

Class 30—Transformers and Reactors

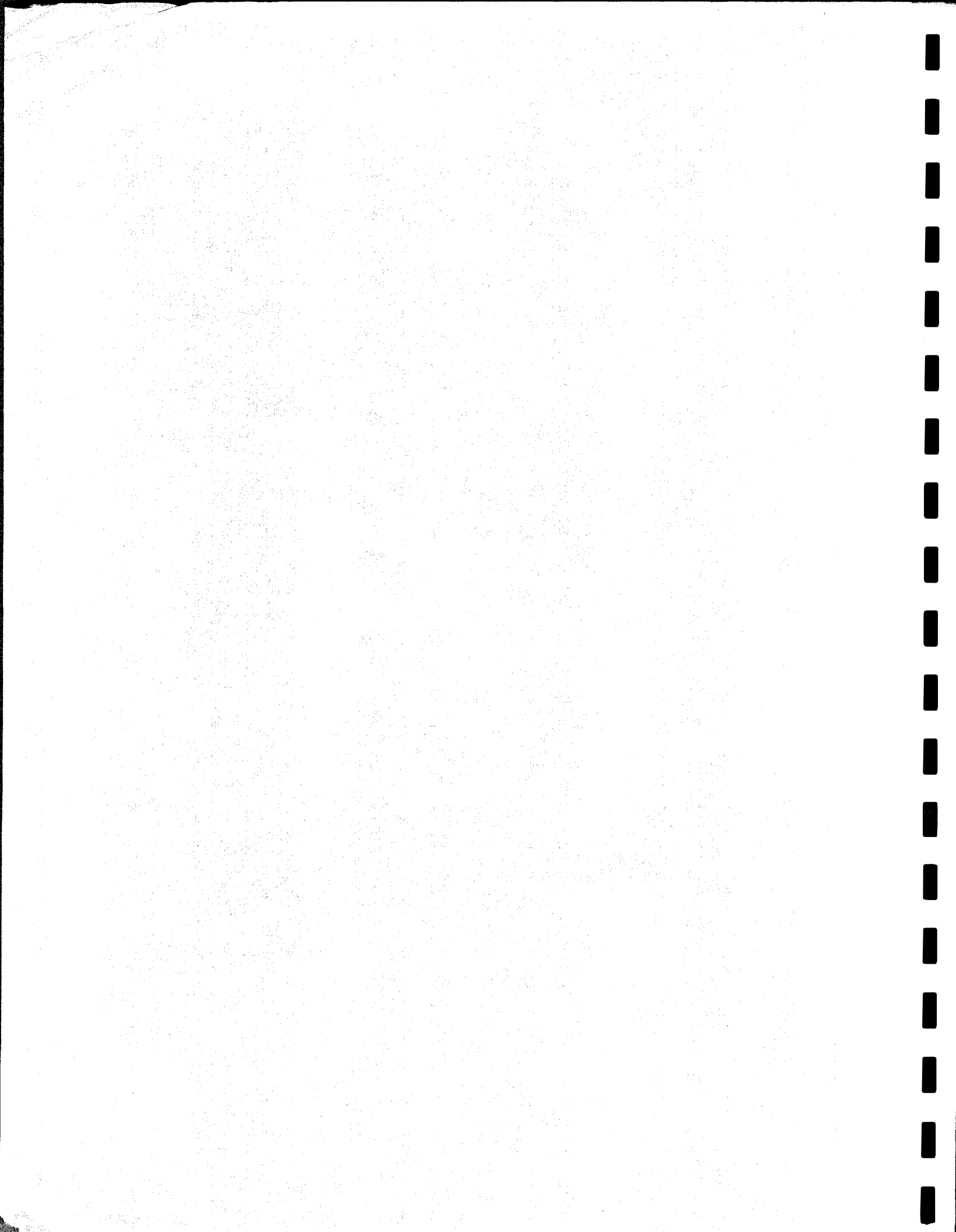
CLASS 30
TRANSFORMERS AND REACTORS
(POWER AND AUDIO)

INCLUDES: FILAMENT TRANSFORMERS, POWER
TRANSFORMERS, AUTO-TRANSFORMERS
IRON CORE CHOKES, AND SOLENOIDS

NOTE: RF TYPES COVERED BY CLASS 47.

RESTRICTED

NAVSHIPS 900,109



Class 30—Transformers and Reactors

3.30-1

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG 30000 TBC TRANSFORMER POWER			CG-30008 TBA-1 TRANSFORMER 0.0003 KW. - 110/220 VOLT PRIMARY, 20 VOLT SECONDARY.			CRY 30016 RAA-RAB REACTOR 9.5 HENRIES AT 270 MA DC. DC RESISTANCE 100 OHMS.		
12/29/31 KT-2409 OCT. 42	CG:M-3940786 REV 3		4/19/32 9TC280A1 SEPT 43	CG:K5000246		8/22/32 RT-145 OCT. 42		CRY:M-31411-G-2 SUB 1 (4592)
CRY 30001 DM TRANSFORMER INTERMEDIATE FREQUENCY			CG-30009 TBA-1 TRANSFORMER FILAMENT 25/80 CYCLES - 0.426 KVA 160/142/70 VOLTS. 11.2/5.6-10/5-10/5- 10/5-10/5-7.5/3.75-7.5/3.75-7.5/3.75- 7.6/3.75 VOLTS.			CRY 30017 RAA-RAB TRANSFORMER - POWER PRIMARY: 110 VOLTS, 60 CYCLES, SINGLE PHASE. SECONDARIES: 1000/500 VOLTS; TWO SECONDARIES - 3 VOLTS; ONE SECONDARY - 5 VOLTS. FOR REPLACEMENT USE -30381 ON DWG RE30F104.		(4593) M-31412-G-1 NOV. 41
1/26/32 OCT. 42	CRY:M-401383-G-1 SUB 0		4/19/32 9TC281A1 SEPT 43	CG:M4291925 REV 0		8/22/32 RT-146 NOV. 41		(4594) M-31413-G-1 NOV. 41
CRY 30002 DM TRANSFORMER: INTERMEDIATE FREQUENCY			30010 CV-4267 TRANSFORMER - INPUT	RE 30RA 101		CRY 30018 RAA-RAB TRANSFORMER - VOLUME CONTROL RATIO: 1 TO 28. PRIMARY IMPEDANCE AT 60 CYCLES: 3,600 OHMS. DC RESISTANCE: PRIMARY 44 OHMS, SECONDARY 800 OHMS.		(4595) M-400361-G-1 NOV. 41
1/26/32 OCT. 42	CRY:M-401383-C- 2 SUB 0		4/27/32 NOV. 41			8/22/32 RT-147 NOV. 41		(4596) M-400360-G-1 NOV. 41
CRY 30003 DM TRANSFORMER OSCILLATOR			CG-30011 TBA REACTOR 0.35 HENRIES - 0.9 AMPS. 7.25 OHMS D.C. RESISTANCE - 2.2 KV INSULATION.			CRY-30019 RAA-RAB TRANSFORMER - INTERSTAGE RATIO: 1 TO 35.7. PRIMARY IMPEDANCE AT 60 CYCLES: 453 OHMS. DC RESISTANCE: PRIMARY 14 OHMS, SECONDARY 4100 OHMS.		(4597) K-5000692 REV 3
1/26/32 OCT. 42	CRY:T-601113: SUB 0		5/2/32 9XD80A1 OCT. 42	CG:K-5000184		8/22/32 RT-152 NOV. 41		(4598) K-5000536 SEPT 43
30004 GENERAL USE RA 30F 209 TRANSFORMER-AUDIO RATIO 4-1/2 TO 1			CG-30012 TBA-1a TRANSFORMER - FILAMENT 0.015 KVA - 30 CYCLE. PRIMARY: 65/137 VOLTS. SECONDARY: 7.5/3.75 VOLTS.			CRY 30020 RAA-RAB TRANSFORMER - OUTPUT RATIO: 5.45 TO 1. PRIMARY IMPEDANCE AT 60 CYCLES: 3,760 OHMS. DC RESISTANCE: PRIMARY 405 OHMS, SECONDARY 20 OHMS.		(4599) K-5000297 REV 3
2/24/32 NOV. 41	(4542-B)		6/16/32 9TD295A1 NOV. 41	DWG:K-5000291		8/22/32 RT-155 NOV. 41		(4600) K-5000297 REV 3
CAY 30005 RO-3 TRANSFORMER TUNED TRAP. TUNED FOR 1000 CYCLES WHILE 4096 IS TUNED FOR 800 CYCLES.		XA-7879	CG-30013 TBA-1a REACTOR - FILTER 5 HENRIES - 0.2 AMPS. D.C. - 27 OHMS D.C. 0.75 KV INSULATION.			CG-30021 TBA-1 REACTOR 13 HENRIES - 0.6 AMP DC - 0.75 KV INSULATION. 60.3 OHMS DC RESISTANCE. SUPPLY: 150 V DC.		(4601) K-5000536 SEPT 43
3/17/32 NOV. 41	(4096) DWG:7703279		6/16/32 9XC68A1 NOV. 41	DWG:K-5000297		9/12/32 9XM80A1 SEPT 43		(4602) K-5000536 SEPT 43
CAY 30006 RO-3 TRANSFORMER-OUTPUT: RATIO 1 TO 1			CG-30014 TAQ-3 TRANSFORMER			CG-30022 TAJ-3 TRANSFORMER-FILAMENT: PRIMARY: 72.5/145 VOLTS, 1Φ, 40- SEC #1:11/5.5 VOLTS, 10 AMPS, 750 VOLTS INSULATION. SEC #2: 10/5 V, 3.25 AMPS, 750 V INSULATION. SEC #3: 10/5 V 3.25 AMPS, 750 V INSULATION. 40°C MAX AMBIENT TEMP. 9/17/32 9TM259A1 SEPT 43		(4603) K-5000536 SEPT 43
3/17/32 OCT. 42	CAY:S#781286 CAY:P-7703278 REV 2		7/22/32 Y-2104 NOV. 41	DWG:4275484		9/17/32 Y-2104 NOV. 41		(4604) M-4275484 NOV. 41
CG-30007 TBA-1 TRANSFORMER 0.77 KVA - 25 CYCLE - 440 VOLT PRIMARY, 220 VOLT SECONDARY.		XA-8268	CRY 30015 RAA - RAB REACTOR - TAPPED 9.5 HENRIES AT 270 MA DC (MEASURED WITH 3 VOLTS, 60 CYCLES A.C.) DC RESISTANCE 100 OHMS; RATIO OF START TO TAP WITH RESPECT TO TAP TO FINISH 58.8 TO 1 ± 2%. HIPOT 1500 VOLTS FROM WINDG. TO CORE FOR 5 SECONDS.			CG-30023 TAJ-3 TRANSFORMER - HOWLER USED IN CRYSTAL FREQUENCY INDICATOR.		(4605) M-4275484 NOV. 41
4/19/32 9TM221A1 NOV. 41	DWG:K-5000180		8/22/32 RT-144 OCT. 42	CRY:M-31411-C-1 SUB 1		9/17/32 Y-2104 NOV. 41		(4606) M-4275484 NOV. 41
		ASSIGNED ISSUED			ASSIGNED ISSUED			
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

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CG-30024	TAJ-3		CRV 30032	RAE		CRV 30040	UA	
REACTOR; 0.35 HENRIES, 0.35 AMPS, 9.35 OHMS DC RESISTANCE. 3KV INSULATION.			TRANSFORMER - OSCILLATOR RATIO: 1 TO 0.149/0.160 (USED IN CRV-46018)			TRANSFORMER - FILAMENT		
9/17/32	9XC9A1	CG:M-4285668	12/13/32	M-405519 PT. 3		5/15/33	XT-1331	KX-280357
SEPT 43		REV 0	NOV. 41			DEC. 41		
CRV 30025	TAJ-3		CRV 30033	RAE		CRV 30041	UA	
TRANSFORMER - IMPEDANCE MATCHING. RATIO: 4 TO 1. MATCH: 32,000 OHMS TO 2,000 OHMS.			TRANSFORMER - INTERSTAGE RATIO: 1 TO 20 (USED IN CRV-50009).			TRANSFORMER OUTPUT LINE COUPLING.		
10/1/32	XT-860	KX-280002	12/13/32	M-405519 PT. 4		5/15/33		KX-280358
NOV. 41			NOV. 41			DEC. 41		
CRV 30026	RAE		CAY 30034	GK-1		CG-30042	TBH	
TRANSFORMER - INPUT RATIO: 1 TO 5 (USED IN CRV-50008)			REACTOR - FILTER 5.75 HENRIES - 160 MA - 20 OHMS.			TRANSFORMER - PLATE RECTIFIER - USED WITH 52018 TRANSMITTER UNIT.		
12/13/32		M-405617 PT. 1	1/31/33			5/22/33	CG:KT-1450	CG:M-4275842
MAR. 43		REV 4	NOV. 41			SEPT 43		REV 3
CRV 30027	RAE		CAY 30035	GK-1		CRV 30043	PC	
TRANSFORMER - INPUT RATIO: 1 TO 1 (USED IN CRV-50009)			REACTOR 300 MILLIHENRIES - 1.70 AMPS DC, 2.90 OHMS.			TRANSFORMER - MAIN POWER 70/230 VOLTS - 25 TO 80 CYCLES.		
12/13/32		M-405617 PT. 2	1/31/33			5/22/33	XT-1340	KX-280366
MAR. 43		REV 4	NOV. 41			NOV. 41		
CRV 30028	RAE		CG-30036	TAQ-3		CRV 30044	PC	
TRANSFORMER - RECTIFIER PRIMARY: 2000 OHMS RESISTANCE - 65 HENRIES INDUCTANCE AT 3 VOLTS, 60 CYCLES - 0 AMPS DC. RATIO: 1 TO 4 (USED IN CRV-50008).			REACTOR 0.08 HENRIES - 1 OHM DC.			TRANSFORMER, SPECIAL, MAIN POWER. 93 VOLTS - 70 CYCLES.		
12/13/32	XT-405C	K-280570	2/24/33	9X042A1	K-4249671	5/22/33	XT-1345	KX-280370
NOV. 41			NOV. 41			NOV. 41		
CRV 30029	RAE		CAY 30037	TBF	XA-8464	CRV 30045	PC	
TRANSFORMER - RECTIFIER RATIO: 1 TO 1 (USED IN CRV-50009).			TRANSFORMER - FILAMENT PRIMARY: 70/140 VOLTS - 0.211 KVA SECONDARY: #1 - 11 VOLTS, 10 AMPS; #2 - 10 VOLTS, 3.25 AMPS; #3 - 10 VOLTS, 3.25 AMPS; #4 - 11 VOLTS, 3.25 AMPS.			TRANSFORMER - AUDIO INTERSTAGE.		
12/13/32		M-405617 PT. 4	3/21/33	SO-90K102	20-0-378	5/22/33	XT-1342	K-280368
MAR. 43		REV 4	MAR. 43		SUB 1	NOV. 41		
CRV 30030	RAE		30038	GENERAL USE	RA30F210	CRV 30046	PC	
TRANSFORMER - INTERSTAGE RATIO: 1 TO 1 (USED IN CRV-46018).			TRANSFORMER - OUTPUT RATIO: 1 TO 1. SEE 30006.			TRANSFORMER - AUDIO INPUT		
12/13/32		M-405519 PT. 1	4/12/33			5/22/33	XT-1343	KX-280369
NOV. 41			NOV. 41		(3806)	NOV. 41		
CRV 30031	RAE		CRV 30039	UA		CRV 30047	PC	
TRANSFORMER - OUTPUT RATIO: 4 TO 1 (USED IN CRV-46018).			TRANSFORMER OSCILLATOR.			REACTOR - FILTER		
12/13/32		M-405519 PT. 2	5/15/33	XT-1321	KX-280356	5/22/33	XT-431-XA	KX-280371
NOV. 41			DEC. 41			NOV. 41		
		ASSIGNED						ISSUED
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CRV 30048 PC REACTOR AND FILTER PACK CONSISTS OF: ONE REACTOR - 10 HENRIES - 0.1 AMP; TWO CAPACITORS - 4 MFD. - 1,400 VOLTS.	5/22/33 NOV. 41	XT-1341 KX-280367	CRV 30056 TBF-1 TRANSFORMER - FILAMENT PRIMARY: 70/140/200 VOLTS - 60 CYCLES. SECONDARY: 10/5 VOLTS - 3.25 AMPS. 10/5 VOLTS, 3.25 AMPS 11/5.5 VOLTS - 10 AMPS. 11/5.5 VOLTS - 3.25 AMPS.	7/13/33 NOV. 41	XT-1375 KX-280437	CRV 30064 TAJ-4/TBF-1 TRANSFORMER - PLATE PRIMARY: 230 VOLTS - 60 CYCLES; SECONDARY: 1218/609 VOLTS - 0.244 KVA.	7/13/33 NOV. 41	XT-1393 KX-280445
CRV 30049 TBC TRANSFORMER-AUDIO: INTERSTAGE. SIZE: 1-7/8" X 2-13/32" X 3-1/8". PRI RES = 960Ω. SEC RES = 9640Ω. RATIO: 1:6.9.	5/24/43 AUG. 43	XT-1333 CRV:KX-280361 6/22/33	CRV 30057 TAJ-4 TRANSFORMER - FILAMENT PRIMARY: 70/140/200 VOLTS - 60 CYCLES. SECONDARY: 10/5 VOLTS - 3.25 AMPS. 10/5 VOLTS - 3.25 AMPS. 11/5.5-VOLTS 10 AMPS.	7/13/33 NOV. 41	XT-1376 DWC:KX-280438	CRV 30065 TAJ-4/TBF-1 TRANSFORMER - PLATE AND FILAMENT. PRIMARY: 230 VOLTS - 60 CYCLES; SECONDARY: 312/156 VOLTS - 0.192 KVA; 5/2.5 VOLTS - 6 AMPS.	7/13/33 NOV. 41	XT-1384 KX-280446
CRV 30050 TBF TRANSFORMER - AUDIO OUTPUT. SIZE: 1-7/8" X 2-13/32" X 3-1/16". PRI RES = 1190; SEC RES = 1790. RATIO: 1 TO 1	6/24/33 AUG 43	XT-1334 CRV:KX-280361 6/22/31	CRV 30058 TAJ-4/TBF-1 REACTOR - KEYING 0.35 HENRIES - 0.45 AMP.	7/13/33 NOV. 41	XT-1377 KX-280439	CRV 30066 TAJ-4/TBF-1 REACTOR - RECTIFIER 6.0 HENRIES - 0.1 AMP.	7/13/33 NOV. 41	XT-1411 KX-280447
CRV 30051 * SEE BELOW TRANSFORMER - AUDIO OSCILLATOR. 1.0 KVA - 800 CYCLES. PRI - 1650 VOLTS, 0.11 AMP; SEC - 640 VOLTS, 0.16 AMP; 1.25 KV INSULATION.	7/13/33 NOV. 41	XT-1427 KX-280448 & W-300214-P79	CRV 30059 TAJ-3/TBF-1 REACTOR - FILTER 2 HENRIES - 1.0 AMP - 115 VOLTS.	7/13/33 NOV. 41	XT-1378 KX-280440 & W-300214-P70	CG-30067 TAJ-4/TBF-1 TRANSFORMER - BELL PRIMARY: 230 VOLTS - 60 CYCLES; SECONDARY: 12 VOLTS - 0.005 KVA.	7/13/33 NOV. 41	#2335 K-802529
* TBC/TAJ-4/TBF-1.			CRV 30060 TAJ-4/TBF-1 REACTOR - BIAS FILTER 12 HENRIES - 0.4 AMP.	7/13/33 NOV. 41	XT-1379 KX-280441	CG-30068 TAJ-4/TBF-1 TRANSFORMER - RECTIFIER PRIMARY: 230 VOLTS - 60 CYCLES; SECONDARY: 2260 VOLTS. TAPS IN PRIMARY FOR 110/100/87.5/75/62.5/50 PER CENT OF SECONDARY VOLTAGE.	7/13/33 NOV. 41	9TD487A1 KX-280453
CRV 30052 TBC TRANSFORMER - FILAMENT PRIMARY: 62.5/125/230 VOLTS - 60 CYCLES; SECONDARY: #1 - 10/5 VOLTS - 6.5 AMPS, #2 - 10/5 VOLTS - 3.25 AMPS.	7/13/33 NOV. 41	XT-1364 KX-280454 & W-300214-P73	CRV 30061 TAJ-4/TBF-1 REACTOR - FILTER 60 HENRIES - 0.12 AMPS - 1250 VOLTS.	7/13/33 NOV. 41	XT-1380 KX-280442	CRV 30069 DO.-1,2,3 TRANSFORMER - PLATE AND FILAMENT. PRIMARY: 112 VOLTS - 50/60 CYCLES - 0.499 AMP - DC RES. 8.7; SECONDARY: 320/160 VOLTS - 0.055 AMP - 0.042 KVA - DC RES. 300; 6.5 VOLTS - 3 AMPS - DC RES. 0.156; 5.0 VOLTS - 2 AMPS - DC RES. 0.203.	7/22/33 NOV. 41	XT-1401 K-280450 RT-424
CRV 30053 TAJ-4/TBF-1 TRANSFORMER - FILAMENT PRIMARY: 200 VOLTS - 60 CYCLES. SECONDARY: 5/2.5 VOLTS - 10 AMPS.	7/13/33 NOV. 41	XT-1372 DWC:KX-280434	CRV 30062 TAJ-4/TBF-1 REACTOR - RECTIFIER 2.0 HENRIES - 1.35 AMPS.	7/13/33 NOV. 41	XT-1381 KX-280443	CRV 30070 DO.-1,2,3 REACTOR - FILTER 25 HENRIES - 0.055 AMP - 385 OHMS.	7/22/33 NOV. 41	XT-1400 KX-280449
CRV 30054 TAJ-4/TBF-1 TRANSFORMER - FILAMENT PRIMARY: 200 VOLTS - 60 CYCLES. SECONDARY: 2.5/1.25 VOLTS - 10 AMPS.	7/13/33 NOV. 41	XT-1373 DWC:KX-280435	CRV 30063 TAJ-4/TBF-1 TRANSFORMER - PLATE PRIMARY: 230 VOLTS - 60 CYCLES; SECONDARY: 2900/1450 VOLTS - 0.174 KVA.	7/13/33 NOV. 41	XT-1382 KX-280444	CAY 30071 TAY-2 TRANSFORMER - OUTPUT RATIO: 1 TO 1. MATCHES ONE 38037 TUBE TO ONE HEADSET (20,000 OHMS).	7/24/33 NOV. 41	
CRV 30055 TBF-1 TRANSFORMER - FILAMENT PRIMARY: 230/115 VOLTS - 60 CYCLES. SECONDARY: 11/5.5 VOLTS - 3.25 AMPS.	7/13/33 NOV. 41	XT-1374 DWC:KX-280436						

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CAV 30072	TAV-2		CRY 30080	PC		CRY 30087	PC	
CHOKE - PLATE			REACTOR			REACTOR		
400 HENRIES.			0.15 HENRY - 2.5 AMPS. - 1.5 OHMS.			12 HENRIES - 0.030 AMP - 215 OHMS.		
7/24/33			8/8/33	XT-44A	KX-280419,	8/8/33	XT-1392	KX-280427
NOV. 41			NOV. 41		REV. 1	NOV. 41		
CG-30073	LD-1		CRY 30080-A	* SEE BELOW		CRY 30088	PC	
TRANSFORMER - INTERSTAGE			REACTOR			REACTOR		
RATIO: 1 TO 4.01.			0.15 HENRY - 2.5 AMPS - 1.5 OHMS. SAME AS 30080 EXCEPT COMPOUND HAS HIGHER MELTING POINT.			0.6 HENRY - 0.50 AMP - 25 OHMS.		
7/24/33	9TC339A1	K-5000888	* PC REPLACEMENT.			8/8/33	XT-1393	KX-280428
NOV. 41			2/13/34	XT-1626	XK-280419	NOV. 41		
CG-30074	LD-1		NOV. 41		REV. 3			
TRANSFORMER - INTERSTAGE			CRY 30081	PC		CRY 30089	PC	
RATIO: 1 TO 10.			TRANSFORMER - INTERSTAGE			TRANSFORMER - OUTPUT		
			RATIO: 1 TO 44.8/22.4. PRIMARY: 0.25 OHM. SECONDARY: 330 OHMS.			PRIMARY: RESISTANCE 875 OHMS - IMPEDANCE 16,570 OHMS AT 1000 CYCLES. SECONDARY: RESISTANCE 50 OHMS - IMPEDANCE 500 OHMS AT 1000 CYCLES.		
7/24/33	9TC399A1	K-5003952	8/8/33	XT-45B	KX-280420	8/8/33	XT-1404	KX-280429
NOV. 41			NOV. 41			NOV. 41		
CG-30075	LD-1		CRY 30082	PC		CRY 30090	PC	
TRANSFORMER - OUTPUT			TRANSFORMER - INTERSTAGE			TRANSFORMER - CONVERTER		
RATIO: 1 TO 1.077.19.			RATIO: 17.5 TO 1.57.75. PRIMARY: 1050 OHMS. SECONDARY: 1150 OHMS.			INVERTER PLATES: 330 VOLT-AMPS. 100 VOLTS. 100 VOLT-AMPS - 60 WATTS. 530 VOLTS. MID-TAP - 0.125 AMPS. 18 VOLTS - 1 AMP. 6 VOLTS. 2 AMPS. 6 VOLTS. MID-TAP - 30 AMPS.		
7/24/33	9TC398A1	K-5003951	8/8/33	XT-82A	KX-280421	8/8/33	XT-1414	KX-280430
NOV. 41			NOV. 41			NOV. 41		
CG-30076	LD-1		CRY 30083	PC		CRY 30091	TAJ-4/TBF-1	
REACTOR			TRANSFORMER - INPUT			REACTOR		
1.25 HENRIES - 0.0005 AMP - 64 OHMS. 0.18 KV INSULATION.			RATIO: 1 TO 15. PRIMARY: 105 OHMS. SECONDARY: 7500 OHMS.			4.5 HENRIES - 0.2 AMP AC - 8 OHMS DC - 0.25 KV INSULATION - CENTER-TAPPED.		
7/24/33	9XC119A1	K-5003950	8/8/33	XT-131A	KX-280422	8/14/33	XT-1458	KX-280492
NOV. 41			NOV. 41			NOV. 41		
CG-30077	LD-1		CRY 30084	PC		CRY 30092	DO-1,2,3	
REACTOR			TRANSFORMER - INTERSTAGE			REACTOR - FILTER		
10.0 HENRIES - 0.06 AMP - 100 OHMS. 6.75 KV INSULATION.			RATIO: 1 TO 10/5. PRIMARY: 185 OHMS. SECONDARY: 4600 OHMS.			5 MILLI-HENRIES - 115 VOLTS - 5 AMPS.		
7/24/33	9XC120A1	K-5003856	8/8/33	XT-210A	KX-280423	8/28/33	RT-215	P-705254-G-1
NOV. 41			NOV. 41			NOV. 41		
CG-30078	LD-1		CRY 30085	PC		CRY 30093	DO-1,2,3	
TRANSFORMER - POWER			TRANSFORMER - INTERSTAGE			TRANSFORMER - OUTPUT		
PRIMARY: 85/110 VOLTS - 0.408 KVA - 58/60 CYCLES. SECONDARY: #1 - 480/240 VOLTS - 0.033 AMP - 0.449 KVA; #2 - 6.3/3.15 VOLTS - 3.0 AMPS; #3 - 5/2.5 VOLTS - 2.0 AMPS.			RATIO: 1 TO 4. PRIMARY: 700 OHMS. SECONDARY: 5800 OHMS.			RATIO: 4.93 TO 1. PRIMARY: 19,450 OHMS IMPEDANCE.		
7/23/33	9TC400A1	K-5003953	8/8/33	XT-231A	KX-280424	8/28/33	RT-217	M-400315-G4
NOV. 41			NOV. 41			NOV. 41		
CRY 30079	PC		CRY 30086	PC		CRY 30094	LE	
TRANSFORMER - OUTPUT			REACTOR			TRANSFORMER - INTERSTAGE		
PRIMARY: 340 OHMS RESISTANCE - 17,225 OHMS IMP. AT 1000 CYCLES. SECONDARY: 17 OHMS RESISTANCE - 500 OHMS IMP. AT 1000 CYCLES.			10 HENRIES - 0.100 AMPS - 100 OHMS.			RATIO: 1 TO 4. PRIMARY: 75,000 OHMS IMPEDANCE AT 30 VOLTS - 60 CYCLES - ZERO DC.		
8/8/33	XT-41A	KX-280418	8/8/33	XT-1341A	KX-280426	9/2/33		M-59982-G-1
NOV. 41			NOV. 41			AUG. 43		K-802733 SUB 0
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CRY 30095 LE TRANSFORMER - OUTPUT RATIO: 1 TO 1. 18,800 OHMS IMPEDANCE AT 3 VOLTS - 60 CYCLES. 2 MILS DC.			CKT 30103 TAZ-1 TRANSFORMER PRIMARY: 230 VOLTS - 145 VOLT-AMPS - 60 CYCLES. 1 PHASE. SECONDARY: 1165 VOLTS - 205 VOLT-AMPS - CENTER-TAPPED - 2000 OPERATING VOLTAGE.			CKT 30111 TAZ-1 TRANSFORMER PRIMARY: 200 VOLTS - 60 CYCLES - 1 PHASE. SECONDARY: 5 VOLTS - 30 AMPS CENTER-TAPPED; 5000 OPERATING VOLTAGE.		
9/2/33 RT-134 AUG. 43		(4829) N-400358 SUB 7	10/23/33 P-3606 NOV. 41		12681	11/13/33 F-10573 NOV. 41		12681
CRY 30096 DO.-1,2,3 TRANSFORMER - INTERSTAGE RATIO: 3 TO 1. PRIMARY: 27 HENRIES INDUCTANCE. SPECIFICATION K-7862249.			CKT 30104 TAZ-1 TRANSFORMER PRIMARY: 77/155/230 VOLTS - 60 CYCLES - 1 PHASE. SECONDARY: #1 - 525 VOLTS TAPPED AT 125 VOLTS - .050 AMP. #2 - 7.5 VOLTS - 1.25 AMPS - CENTER-TAPPED. 600 OPERATING VOLTAGE.			CKT 30112 TAZ-1 TRANSFORMER PRIMARY: 1500 VOLTS - 2 AMPS - .27 HENRY SECONDARY: 375 VOLTS. TERTIARY: 500 VOLTS. 3 KVA - 800 CYCLES.		
9/5/33 RT-149 NOV. 41		(4630) N-400315-G-3 REV 8	10/23/33 P-3002 NOV. 41		12681	12/7/33 B-6541 NOV. 41		12681
CRY 30097 TAZ-4/1BF-1 REACTOR 50 OHMS DC RESISTANCE - 190 VOLTS AC - .060 AMPS AC. HEIGHT: 3-3/4", WIDTH: 4", DEPTH: 2-1/2".			CKT 30105 TAZ-1 TRANSFORMER PRIMARY: 230 VOLTS - 60 CYCLES - 3 PHASE. SECONDARY: 1175 VOLTS PER LEG - 635 VOLT-AMPS; 4400 OPERATING VOLTAGE.			CAY 30113 TAY-1 TRANSFORMER PRIMARY: 75/115 VOLTS - 50-60 CYCLES - SINGLE PHASE. SECONDARY: 12.5 VOLTS. 0.175 KVA - DRY TYPE - WEIGHT 10 LBS.		
10/16/33 XT-1534 NOV. 41		K-280569	10/23/33 P-4000 NOV. 41		12682	3/2/34 S#582056 NOV. 41		(3995)
CKT 30098 TAZ-1 REACTOR 3 HENRIES - 0.22 AMPS, 35 OHMS - 1500 OPERATING VOLTAGE. HEIGHT 4" WIDTH 4-7/8", DEPTH 5-1/4".			CKT 30106 TAZ-1 TRANSFORMER PRIMARY: 230 VOLTS - 60 CYCLES - 1 PHASE. SECONDARY: #1 - 278 VOLTS - 196 VA - CENTER-TAPPED; #2 - 2.5 VOLTS - 10 AMPS - CENTER-TAPPED; 600 OPERATING VOLTAGE.			CAY 30114 TAY-1 TRANSFORMER AUDIO OSCILLATOR.		
10/23/33 R-1002 NOV. 41		12681	10/23/33 P-3003 NOV. 41		12681	3/2/34 S#572321 NOV. 41		(3337) S.O. 32-K-487
CKT 30099 TAZ-1 REACTOR 5 HENRIES - 0.4 AMPS, 50 OHMS - 1500 OPERATING VOLTAGE. HEIGHT 4-1/2", WIDTH 5-1/2", DEPTH 7-1/2".			CKT 30107 TAZ-1 TRANSFORMER PRIMARY: 70/140/200 VOLTS - 60 CYCLES - 1 PHASE. SECONDARY: 10 VOLTS - 3.25 AMPS - CENTER-TAPPED; 600 OPERATING VOLTAGE.			CTR 30115 *SEE BELOW TRANSFORMER - INTERSTAGE		
10/23/33 R-1003 NOV. 41		12681	10/23/33 F-2903 NOV. 41		12681	* ON REPLACEMENTS. 7/2/34 7A-00 NOV. 41		
CKT 30100 TAZ-1 REACTOR 5 HENRIES - 0.25 AMP - 20 OHMS - 1000 OPERATING VOLTAGE. HEIGHT 4-1/2", WIDTH 5-1/2", DEPTH 8".			CKT 30108 TAZ-1 TRANSFORMER PRIMARY: 200 VOLTS - 60 CYCLES - 1 PHASE. SECONDARY: 5/5/5 VOLTS - EACH 10 AMPS WITH CENTER TAP; 5000 OPERATING VOLTAGE.			CTR 30116 *SEE BELOW TRANSFORMER - OUTPUT SHIELDED.		
10/23/33 R-1004 NOV. 41		12681	10/23/33 F-10571 NOV. 41		12681	* ON REPLACEMENTS. 7/2/34 7D-00 NOV. 41		
CKT 30101 TAZ-1 REACTOR 1 HENRY - 1.0 AMP - 5 OHMS - 600 OPERATING VOLTAGE. HEIGHT 4-1/2", WIDTH 5-1/2", DEPTH 8".			CKT 30109 TAZ-1 TRANSFORMER PRIMARY: 200 VOLTS - 60 CYCLES - 1 PHASE. SECONDARY: 2.5 VOLTS - 10 AMPS - CENTER-TAPPED; 3000 OPERATING VOLTAGE.			CAT 30117 TBL-1 TRANSFORMER - FILAMENT PRIMARY: 90/180 VOLTS - 50/140 CYCLES - 25 VA. SECONDARY: 2.5/1.25 VOLTS - 10 AMPS - 7.1 KV INSULATION.		
10/23/33 R-1005 NOV. 41		12681	10/23/33 F-10574 NOV. 41		12681	9/11/34 NOV. 41		S-24277
CKT 30102 TAZ-1 TRANSFORMER PRIMARY: 230 VOLTS - 910 VOLT-AMPS - 60 CYCLES. 1 PHASE. SECONDARY: 4550 VOLTS - 1290 VOLT-AMPS - CENTER-TAPPED - 6600 OPERATING VOLTAGE.			CKT 30110 TAZ-1 TRANSFORMER PRIMARY: 70/140/200 VOLTS - 60 CYCLES - 1 PHASE. SECONDARY: #1 - 10 VOLTS - 3.25 AMPS - CENTER-TAPPED; #2 - 10 VOLTS - 3.25 AMPS - CENTER-TAPPED; #3 - 10 VOLTS - 6.5 AMPS - CENTER- TAPPED; 600 OPERATING VOLTAGE.			CAT 30118 TBL-1 TRANSFORMER - BIAS PRIMARY: 110/220 VOLTS - 50/140 CYCLES - 60/90 VA. SECONDARY: 620/310 VOLTS - 0.09 KVA - 0.75 KV INSULATION.		
10/23/33 P-3904 NOV. 41		12681	10/23/33 F-10576 NOV. 41		12681	9/11/34 NOV. 41		S-24278

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DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CAT 30119	TBL-1	TRANSFORMER, - AUXILIARY PRIMARY: 110/220 VOLTS - 50/140 CYCLES - 155/220 V.A. SECONDARY: 1490/745 VOLTS - 1.0 KV INSULATION.	CAT 30127	TBL & TBL-1	REACTOR 0.35 HENRIES AT 0.45 AMP DC. 0.75 KV INSULATION.	CG-30135	TAQ-4	REACTOR PRIMARY: 110/220 VOLTS - 60 CYCLES - 0.845 KVA. SECONDARY: 3378/1689 VOLTS - 0.25 AMP - 3.75 KV INSULATION.
9/11/34	S-24279		9/11/34	S-24287		9/21/34	9TD837A1	K-5026478
NOV. 41			NOV. 41			NOV. 41		
CAT 30120	TBL-1	TRANSFORMER - MAIN RECTIFIER. PRIMARY: 440 VOLTS - 3-PHASE DELTA - 50/140 CYCLES - 1.85/2.0 KVA. SECONDARY: 1340/1220/1098/975/853/731/610 VOLTS - 3.0 KV INSULATION.	CAT 30128	TBL-1	TRANSFORMER - CONTROL VOLTAGE. PRIMARY: 220/440 VOLTS - 50/140 CYCLES - 850 VA. SECONDARY: 180 VOLTS - 0.85 KVA.	CG-30136	TAQ-4	TRANSFORMER PRIMARY: 110/220 VOLTS - 60 CYCLES - 0.145 KVA. SECONDARY: 310/155 VOLTS - 0.468 AMP. WEIGHT: 12 LBS.
9/11/34	S-24280		9/11/34	S-24288		9/21/34	9TD824A1	K-5026352
NOV. 41			NOV. 41			NOV. 41		
CAT 30121	TBL-1	TRANSFORMER - FILAMENT PRIMARY: 90/180 VOLTS - 50/140 CYCLES - 403 V.A. ONE SECONDARY: 5/2.5 VOLTS - 20.3 AMPS. - 7.1 KV INSULATION. THREE SECONDARIES: 5/2.5 VOLTS - 6.75 AMPS. - 3.6 KV INSULATION.	CG-30129	TAQ-4	TRANSFORMER PRIMARY: 110/220 VOLTS - 60 CYCLES - 0.33 KVA. SECONDARY: 5.5/2.75 VOLTS - 10 AMPS; 5.5/2.75 VOLTS - 10 AMPS; 5.5/2.75 VOLTS - 30 AMPS; 5.5/2.75 VOLTS - 10 AMPS; 10 KV INSULATION. WEIGHT: 20 LBS.	CG-30137	TAQ-4	REACTOR 0.75 HENRY - 2.5 AMPS - 4.5 OHMS DC. 0.75 KV INSULATION.
9/11/34	S-24281		9/21/34	9TD820A1	K-5026348	9/21/34	9XD253A1	K-5022961
NOV. 41			NOV. 41			NOV. 41		
CAT 30122	TBL-1	REACTOR 12.0 HENRIES AT 0.20 AMP. D.C. 3.0 KV INSULATION.	CG-30130	TAQ-4	TRANSFORMER PRIMARY: 110/220 VOLTS - 60 CYCLES - 0.0275 KVA. SECONDARY: 2.75/1.375 VOLTS - 10 AMPS - 10 KV INSULATION. WEIGHT: 6 LBS.	CG-30138	TAQ-4	REACTOR 0.35 HENRY - 2.5 AMPS - 3.5 OHMS DC. 1.8 KV INSULATION.
9/11/34	S-24282		9/21/34	9TD821A1	K-5026349	9/21/34	9XD252A1	K-5022960
NOV. 41			NOV. 41			NOV. 41		
CAT 30123	TBL-1	REACTOR 1.5 HENRIES AT 0.60 AMP. D.C. 7.1 KV INSULATION.	CG-30131	TAQ-4	TRANSFORMER PRIMARY: 110/220 VOLTS - 60 CYCLES - 0.0311 KVA. SECONDARY: 2.75/1.375 VOLTS - 11.3 AMPS - 1.0 KV INSULATION.	CG-30139	TAQ-4	REACTOR 3.0 HENRIES - 0.15 AMP - 40 OHMS DC. 1.8 KV INSULATION.
9/11/34	S-24283		9/21/34	9TD822A1	K-5026350	9/21/34	9XD254A1	K-5022962
NOV. 41			NOV. 41			NOV. 41		
CAT 30124	TBL-1	TRANSFORMER - CONTROL PRIMARY: 110/220 VOLTS - 50/140 CYCLES - 90 V.A. ONE SECONDARY: 5/2.5 VOLTS - 6.0 AMPS. ONE SECONDARY: 312/156 VOLTS - 0.24 AMP. - 0.75 KV INSULATION.	CG-30135	TAQ-4	TRANSFORMER PRIMARY: 115/230 VOLTS - 60 CYCLES - 3.0 KVA. SECONDARY: 230/460 VOLTS.	CG-30140	TAQ-4	REACTOR 14.0 HENRIES - 0.5 AMP - 25 OHMS DC. 0.75 KV INSULATION.
9/11/34	S-24284		9/21/34	9TM834A1	K-4255188	9/21/34	9XD308A1	K-5026479
NOV. 41			NOV. 41			NOV. 41		
CAT 30125	TBL-1	REACTOR 1.5 HENRIES AT 0.45 AMP. D.C. 0.75 KV INSULATION.	CG-30133	TAQ-4	TRANSFORMER PRIMARY: 440 VOLTS DELTA - 60 CYCLES - 6.0 KVA. SECONDARY 933/1720 VOLTS (Y).	CG-30141	TAQ-4	REACTOR 14 HENRIES - 0.35 AMP - 40 OHMS DC. 0.75 KV INSULATION. WEIGHT: 16 LBS.
9/11/34	S-24285		9/21/34	9TD835A1	M-5032829	9/21/34	9XD505A1	K-5026357
NOV. 41			NOV. 41			NOV. 41		
CAT 30126	TBL & TBL-1	TRANSFORMER - FILAMENT PRIMARY: 70/90/140/180 VOLTS - 50/140 CYCLES - 160 VA. ONE SECONDARY: 10/5 VOLTS - 9.75 AMPS - 1.5 KV INSULATION. TWO SECONDARIES: 7.5/3.75 VOLTS - 2.0 AMPS - 0.75 KV INSULATION. ONE SECONDARY: 10/5 VOLTS - 3.25 AMPS.	CG-30134	TAQ-4	TRANSFORMER PRIMARY: 110/220 VOLTS - 60 CYCLES - 0.225 KVA. SECONDARY: 624/312 VOLTS - 0.36 AMP.	CG-30142	TAQ-4	REACTOR 0.35 HENRY - 0.65 AMP - 7.25 OHMS DC. 0.35 KV INSULATION.
9/11/34	S-24286		9/21/34	9TD836A1	K-5026210	9/21/34	9XD306A1	K-5026358
NOV. 41			NOV. 41			NOV. 41		

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG-30143	TAQ-4		CG-30151	TBJ		CG-30159	TBJ	
TRANSFORMER			TRANSFORMER - FILAMENT			TRANSFORMER - FILAMENT		
PRIMARY: 110/220 VOLTS - 60 CYCLES - 0.513 KVA. SECONDARIES: 12.3/6.15 VOLTS - 31 AMPS; 11.2/5.6 VOLTS - 6.5 AMPS; 11/5.5 VOLTS - 3.5 AMPS; 11/5.5 VOLTS - 3.5 AMPS.			PRIMARY: 110/220 VOLTS - 50-60 CYCLES - 0.015 KVA. SECONDARY: 3/1.5 VOLTS - 7.6 KV INSULATION.			PRIMARY: 110/220 VOLTS - 50-60 CYCLES - 0.03 KVA. SECONDARY: 3/1.5 VOLTS - 0.15 KV INSULATION.		
9/21/34	9TM5241A1	K-5026501	9/24/34	Y-2003	M-4275444	9/24/34	9TC516A1	K-5028523
NOV. 41			NOV. 41			NOV. 41		
CG-30144	TBJ		CG-30152	TBJ		CG-30160	TBJ	
TRANSFORMER - PLATE			TRANSFORMER - FILAMENT			REACTOR		
PRIMARY: 220 VOLTS - 60 CYCLES - 0.14 KVA. SECONDARY: 1400/700 VOLTS - 1.5 KV INSULATION.			PRIMARY: 340 VOLTS - 60 CYCLES - 7.56 KVA. SECONDARY: 33.5/16.75 VOLTS - 0.75 KV INSULATION.			30 HENRIES - 0.2 AMP - 170 OHMS - 1 KV INSULATION.		
9/24/34	9TD871A1	K-5028359	9/24/34	9TD748A1	K-5026001	9/24/34	9XM196A1	K-5028528
NOV. 41			NOV. 41			NOV. 41		
CG-30145	TBJ		CG-30153	TBJ		CG-30161	TBJ	
TRANSFORMER - FILAMENT			TRANSFORMER - FILAMENT			TRANSFORMER - PLATE		
PRIMARY: 110/220 VOLTS - 50-60 CYCLES - 0.0375 KVA. SECONDARY: 3/1.5 VOLTS - 11 KV INSULATION.			PRIMARY: 220 VOLTS - 50-60 CYCLES - 0.44 KVA. SECONDARY: 5.5 VOLTS - 15 KV INSULATION.			PRIMARY: 110/220 VOLTS - 60 CYCLES - 0.300 KVA. SECONDARY: 2950/1475 VOLTS - 0.425 KVA - 1.5 KV INSULATION.		
9/24/34	Y-1955	M-4275236	9/24/34	9TD419A1	M-4276849	9/24/34	9TM5101A1	K-5026005
NOV. 41			NOV. 41			NOV. 41		
CG-30146	TBJ		CG-30154	TBJ		CG-30162	TBJ	
REACTOR			REACTOR			REACTOR		
30 HENRIES - 0.125 AMP - 315 OHMS - 1.0 KV INSULATION.			0.25 HENRY - 65 AMPS 0.424 OHMS - 10 KV INSULATION.			20 HENRIES - 0.35 AMP - 110 OHMS - 1.5 KV INSULATION.		
9/24/34	9XC141A1	K-5028524	9/24/34	Y-3030A	M-3973910	9/24/34	9XM197A1	K-5028540
NOV. 41			NOV. 41			NOV. 41		
CG-30147	TBJ		CG-30155	TBJ		CG-30163	TBJ	
TRANSFORMER - FILAMENT			TRANSFORMER - AUDIO			TRANSFORMER - PLATE		
PRIMARY: 220 VOLTS - 60 CYCLES - 0.0176 KVA. SECONDARY: 7.5/3.75 VOLTS - 0.45 KV INSULATION.			RATIO: 3 TO 1.			PRIMARY: 115 VOLTS - 60 CYCLES - 0.7 KVA. SECONDARY: 2900/1450 VOLTS - 2.9 KV INSULATION.		
9/24/34	Y-1179	K-3545579	9/24/34	9TD25A1	K-4255451	9/24/34	9TM5102A1	K-5026006
NOV. 41			NOV. 41			NOV. 41		
CG-30148	TBJ		CG-30156	TBJ		CG-30164	TBJ	
TRANSFORMER - FILAMENT			TRANSFORMER - AUDIO			TRANSFORMER - FILAMENT		
PRIMARY: 220 VOLTS - 60 CYCLES - 0.065 KVA. SECONDARY: 10.5/5.25 VOLTS - 0.45 KV INSULATION.			PRIMARY LOAD - 25,000 OHMS. SECONDARY LOAD - 100,000 OHMS. RATIO: 1 TO 2.			PRIMARY: 340 VOLTS - 60 CYCLES - 1.248 KVA. SECONDARY: 24/12 VOLTS - 0.75 KV INSULATION. 52 AMPS.		
9/24/34	9TM39A1	K-4239400	9/24/34	9TC459A1	K-5026002	9/24/34	9TM5100A1	K-5026000
NOV. 41			NOV. 41			SEPT 43		REV 1
CG-30149	TBJ		CG-30157	TBJ		CG-30165	TBA-2	
REACTOR			TRANSFORMER - AUDIO			TRANSFORMER - FILAMENT		
24.5 HENRIES - 0.4 AMP - 119 OHMS - 5.0 KV INSULATION.			PRIMARY LOAD: 17,500 OHMS. SECONDARY LOAD: 440 OHMS. RATIO: 6.31 TO 1.			PRIMARY: 110/220 VOLTS - 60 CYCLES - 0.472 KVA. SECONDARY: 12.4/6.2 - 11.2/5.6 - 11/5.5 - 11/5.5 - 8.26/4.13 - 8.26/4.13 - 8.6/4.13 VOLTS; .75 KV INSULATION.		
9/24/34	Y-1284	M-3557638	9/24/34	9TC460A1	K-5026003	10/1/34	9TC495A1	M-5032866
NOV. 41			NOV. 41			NOV. 41		
CG-30150	TBJ		CG-30158	TBJ		CG-30166	TBA-2	
TRANSFORMER - PLATE			TRANSFORMER - FILAMENT			TRANSFORMER		
PRIMARY: 220 VOLTS - 60 CYCLES - 1.52 KVA & SECONDARY: 3800 VOLTS - 6.6 KV INSULATION.			PRIMARY: 110/220 VOLTS - 60 CYCLES - 0.08 KVA. SECONDARY: 12/6 VOLTS - 0.15 KV INSULATION.			PRIMARY: 110/220 VOLTS - 50-60 CYCLES - .0003 KVA. SECONDARY: 20 VOLTS.		
9/24/34	9TD873A1	K-5028368	9/24/34	9TD874A1	K-5028369	10/1/34	9TC233A1	K-4255448
NOV. 41			NOV. 41			NOV. 41		
			ASSIGNED			ASSIGNED		
			ISSUED			ISSUED		
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

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Class 30—Transformers and Reactors

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG-30167	TBA-2		CAY 30175	TBK		CAY 30183	TAJ-5	
TRANSFORMER			TRANSFORMER			TRANSFORMER - FILAMENT		
PRIMARY: 220/440 VOLTS - 60/140 CYCLES - 2 KVA. SECONDARY: 110/220 VOLTS.			PRIMARY: 110/220 VOLTS - 60 CYCLES - 300 V.A. SECONDARY: 190/2.2 VOLTS.			PRIMARY: 70/100/140/200 VOLTS. SECONDARY: #1 - 11 VOLTS C.T. - 10 AMPS. #2 - 10 VOLTS C.T. - 6.5 AMPS.		
10/1/34 9TM835A1	K-4255187		10/22/34 L-30364B	M-7405629		10/22/34	34-D-736	
NOV. 41			NOV. 41			NOV. 41		
CG-30168	TBA-2		CAY 30176	TBK		CAY 30184	TAJ-5	
TRANSFORMER			TRANSFORMER - FILAMENT			TRANSFORMER - AUDIO		
PRIMARY: 440 VOLTS DELTA - 60 CYCLES - 4.285 KVA. SECONDARY: 1320/2290 VOLTS (ZZ) - 4.9 KVA.			PRIMARY: 100/220 VOLTS - 60 CYCLES. SECONDARY: 2.5 VOLTS - 100 AMPS. C.T.			OSCILLATOR. 800 CYCLES ± 5%. CONTAINS A 1.0 MFD. CAPACITOR.		
10/1/34 9T0825A1	M-5032805		10/22/34 66K243-3	547D-8063		10/22/34 66K236	720384	
NOV. 41			NOV. 41			NOV. 41		
CG-30169	TBA-2		CAY 30177	TBK		CAY 30185	TAJ-5 & TBK	
TRANSFORMER			TRANSFORMER - PLATE			REACTOR		
PR1: 110/220 V. - 60 CYCLES - 0.3 KVA. SECONDARY: 1190/595 VOLTS - 1.6 KV INSULATION. 25 LBS.			PRIMARY: 110/220 VOLTS - 60 CYCLES - 180 V.A. SECONDARY: 720 VOLTS.			1.0 HENRY - 0.500 AMP D.C.		
10/1/34 9T0823A1	K-5026351		10/22/34 L-303595	M-7405629		10/22/34	K-7808763	
NOV. 41			NOV. 41			NOV. 41	700950, C-1	
CG-30170	TBA-2		CAY 30178	TBK		CAY 30186	TAJ-5 & TBK	
REACTOR			TRANSFORMER - PLATE			REACTOR		
0.75 HENRY - 1.9 AMPS. - 4.5 OHMS DC. 0.65 KV INSULATION. 18 LBS.			PRIMARY: 100/220 VOLTS - 60 CYCLES. SECONDARY: 2360 VOLTS C.T. - 0.169 AMP.			4.0 HENRIES - 0.400 AMP. - 1,500 VOLTS DC.		
10/1/34 9XD302A1	K-5026354		10/22/34 66K70	34-D-790		10/22/34 L-303593	P-7705154	
NOV. 41			NOV. 41			NOV. 41		
CG-30171	TBA-2		CAY 30179	TBK		CAY 30187	TAJ-5 & TBK	
REACTOR			TRANSFORMER - PLATE			REACTOR		
0.35 HENRY - 1.9 AMPS. - 4.5 OHMS DC. 1.7 KV INSULATION. 11 LBS.			PRIMARY: 440 VOLTS - 3-PHASE - 60 CYCLES 2.25 KVA. SECONDARY: 2340 VOLTS - C.T. 0.320 AMP.			12 HENRIES - 0.24 AMP. - 1,000 VOLTS DC.		
10/1/34 9XD303A1	K-5026355		10/22/34 86K143	34-D-650		10/22/34 L-303594	P-7705154	
NOV. 41			NOV. 41			NOV. 41		
CG-30172	TBA-2		CAY 30180	TBK		CAY 30188	TAJ-5 & TBK	
REACTOR			TRANSFORMER - FILAMENT			REACTOR		
3.0 HENRIES - 1.0 AMP. - 15 OHMS DC. 2.45 KV INSULATION. 28 LBS.			PRIMARY: 100/200 VOLTS - 60 CYCLES. SECONDARY: #1 - 6 VOLTS C.T. - 20.25 AMPS., #2 - 5 VOLTS C.T. - 6.75 AMPS., #3 - 5 V.C.T. - 6.75 A., #4 - 5 V.C.T. 6.75 A.			1.0 HENRY - 0.800 AMP. - 3,000 VOLTS DC.		
10/1/34 9XD304A1	K-5026356		10/22/34 66K229	34-D-830		10/22/34 L-303592	P-7705154	
NOV. 41			NOV. 41			NOV. 41		
CAY 30173	TBK		CAY 30181	TBK		CAY 30189	TAJ-5 & TBK	
TRANSFORMER - FILAMENT			TRANSFORMER			REACTOR		
PRIMARY: 70/100/140/200 VOLTS - 60 CYCLES - 0.211 KVA. SECONDARY: #1 - 11 VOLTS, 10 AMPS. #2 - 10 VOLTS - 3.25 AMPS. #3 - 10 V. 3.25 AMPS., #4 - 11 V. 3.25 AMPS.			PRIMARY: 440 VOLTS - 60 CYCLES - 2.6 KVA SECONDARY: 110/220 VOLTS.			3.5 HENRIES - 0.8 AMP. - 1,500 VOLTS DC.		
10/22/34 84K969	20-D-878		10/22/34 66K228	35-D-930		10/22/34 L-303603	P-7705154	
NOV. 41			NOV. 41			NOV. 41		
CAY 30174	TBK		CJE 30182	TBK		CG-30190	TAW-1	
TRANSFORMER - FILAMENT			TRANSFORMER - BELL			TRANSFORMER - FILAMENT		
PRIMARY: 110/220 VOLTS - 60 CYCLES - 32.5 VA. SECONDARY: 11 VOLTS.			PRIMARY: 100-125 VOLTS - 60 CYCLES - 25 WATTS. SECONDARY: 6/8/14 VOLTS.			PRIMARY: 340 VOLTS - 25 CYCLES - 1.355 KVA. SECONDARY: 24/12 VOLTS - 0.15 KV INSULATION.		
10/22/34 L-303597	M-7405630		10/22/34 230-121	M-7405819		11/1/34 9TN5213A1	K-5026300	
NOV. 41 SUB B			NOV. 41			NOV. 41		

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION			
CG-30191 TAW-1 TRANSFORMER - FILAMENT PRIMARY: 110/220 VOLTS - 25 CYCLES - 0.0375 KVA. SECONDARY: 3/1.5 VOLTS - 11 KV INSULATION.	11/1/34	9TD806A1	K-5026302	CG-30199 TAW-1 TRANSFORMER - PLATE PRIMARY: 115 VOLTS - 25 CYCLES - 0.7 KVA. SECONDARY: 2900/1450 VOLTS - 2.9 KV INSULATION.	11/1/34	9TH5219A1	K-5026311	CAY 30207 TBM & TBM TRANSFORMER - AUTO PRIMARY: 440 VOLTS - 2.6 KVA. SECONDARY: 110/220 VOLTS.	1/14/35	S.O.66-K-288	M-7405793
CG-30192 TAW-1 TRANSFORMER - FILAMENT PRIMARY: 220 VOLTS - 25 CYCLES, 0.0176 KVA. SECONDARY: 7.5/2.75 VOLTS - 2.35 AMPS. - 0.15 KV INSULATION.	11/1/34	9TH5215A1	K-5026303	CG-30200 TAW-1 TRANSFORMER - PLATE PRIMARY: 220 VOLTS - 25 CYCLES - 0.140 KVA. SECONDARY: 1400/700 VOLTS - 1.5 KV INSULATION.	11/15/34	9TD872A1	K-5028367	CAY 30208 TBM & TBM TRANSFORMER - MODULATION PRIMARY: 1350/1350 VOLTS - 1000-5000 CYCLES. SECONDARY: 1910 VOLTS - 400 VA.	1/14/35	S.O.75-K-246	M-7405794
CG-30193 TAW-1 TRANSFORMER - PLATE PRIMARY: 220 VOLTS - 25 CYCLES - 1.52 KVA. SECONDARY: 3800/1900 VOLTS - 6.6 KV INSULATION.	11/1/34	9T0831A1	K-5026304	CG-30201 TAW-1 TRANSFORMER - FILAMENT PRIMARY: 220 VOLTS - 25 CYCLES - 0.065 KVA. SECONDARY: 10.5/5.25 VOLTS - 0.15 KV INSULATION.	11/15/34	9TD853A1	K-5028210	CAY 30209 TBM & TBM REACTOR 45 HENRIES - 150 OHMS DC - .27 AMP.	1/14/35	S.O.66-LM-253	M-7405796
CG-30194 TAW-1 TRANSFORMER - FILAMENT PRIMARY: 110/220 VOLTS - 25 CYCLES - 0.015 KVA. SECONDARY: 3/1.5 VOLTS - 5 AMPS. - 7.5 KV INSULATION.	11/1/34	9T0807A1	K-5026305	CG-30202 TAW-1 TRANSFORMER - FILAMENT PRIMARY: 110/220 VOLTS - 25 CYCLES - 0.08 KVA. SECONDARY: 12/6 VOLTS - 0.15 KV INSULATION.	11/15/34	9TD875A1	K-5028370	CAY 30210 TBM & TBM TRANSFORMER - FILAMENT PRIMARY: 200/140/100/70 VOLTS - 50-60 CYCLES - 0.243 KVA. SECONDARY: 11/10/10 VOLTS.	1/14/35	75-K-135	M-7405795
CG-30195 TAW-1 TRANSFORMER - FILAMENT PRIMARY: 110/220 VOLTS - 25 CYCLES - 0.24 KVA. SECONDARY: 6 VOLTS - 60 AMPS. 22 KV INSULATION.	11/1/34	9TD809A1	M-5032848	CG-30203 TAW-1 TRANSFORMER - INTERPHASE 40.7 KVA - OUTPUT 2330/1190 VOLTS.	11/15/34	Y-3091A-150	K-5201112	CAY 30211 TBM & TBM TRANSFORMER - PLATE PRIMARY: 440 VOLTS - 3-PHASE - 60 CYCLES - DELTA. SECONDARY: (SEE DIAGRAM #35-D-944).	1/14/35	S.O.66-K-381	M-7405792
CG-30196 TAW-1 REACTOR 0.25 HENRY - 0.7 OHM - 35 AMPS DC - 18 KV INSULATION.	11/1/34	Y-3085A	M-3973965	CG-30204 TAW-1 TRANSFORMER - FILAMENT PRIMARY: 340 VOLTS - 25 CYCLES - 7.56 KVA. SECONDARY: 33.5/16.75 VOLTS - 0.15 KV INSULATION.	11/28/34	9TD808A1	K-5026306	CAT 30212 TBL & TBL-1 REACTOR 7 HENRIES - 0.3 AMP DC.	1/21/35		S-25077
CG-30197 TAW-1 TRANSFORMER - FILAMENT PRIMARY: 110/220 VOLTS - 25 CYCLES - 0.03 KVA. SECONDARY: 3/1.5 VOLTS - 10 AMPS - 0.15 KV INSULATION.	11/1/34	9TC490A1	K-5026308	CG-30205 TAW-1 TRANSFORMER PRIMARY: 110/220 VOLTS - 25 CYCLES - 0.0375 KVA. SECONDARY: 3/1.5 VOLTS - 11 KV INSULATION.	11/28/34	9TD806A1	K-5026302	CG-30213 TBJ TRANSFORMER - FILAMENT PRIMARY: 220 VOLTS - 60 CYCLES - 0.0939 KVA. SECONDARY: 132/7 VOLTS - 0.15 KV INSULATION.	1/24/35	9TD891A1	K-5028709
CG-30198 TAW-1 TRANSFORMER - PLATE PRIMARY: 110/220 VOLTS - 25 CYCLES - 0.425 KVA. SECONDARY: 2950/1475 VOLTS - 0.144 AMP - 3 KV INSULATION.	11/1/34	9TM5218A1	K-5026310	CG-30206 TAW-1 TRANSFORMER - FILAMENT PRIMARY: 110/220 VOLTS - 50-60 CYCLES - 2.56 KVA. SECONDARY: 36/18 VOLTS.	12/18/34	9TD41A1	M-4276651	CG-30214 TAW-1 TRANSFORMER - FILAMENT PRIMARY: 220 VOLTS - 25 CYCLES - 0.03625 KVA. SECONDARY: 110/7 VOLTS - 0.15 KV INSULATION.	1/24/35	9TD890A1	K-5028708
			ASSIGNED ISSUED				ASSIGNED ISSUED				
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER		DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER		DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CO-30215	TBL		CAY 30223	TBM & TBN		CRV 30231	NM-3 & QC-3	
TRANSFORMER - BELL			TRANSFORMER - AUDIO			TRANSFORMER - POWER		
PRIMARY: 110 VOLTS - 60 CYCLES.			RATIO: 1 TO 3.2; 100-5000 CYCLES.			PRIMARY: 110 VOLTS - 50-60 CYCLES - .016 KVA. SECONDARIES: 2.5 VOLTS; 900 VOLTS 1.0 KV INSULATION.		
SECONDARY: 12 VOLTS.								
1/30/35 #2332	M-402614		3/15/35 L-303642	P-7705359		3/18/35 XT-1844-A	KX-280941	
NOV. 41			NOV. 41			NOV. 41		
CAY 30216	TBM & TBN		CAY 30224	TBM & TBN		CRV 30232	NM-3 & QC-3	
REACTOR			TRANSFORMER - AUDIO			TRANSFORMER - FILAMENT		
6.0 HENRIES - 0.5 AMP.			RATIO: 1 TO 10.16; 100-5000 CYCLES.			PRIMARY: 110 VOLTS - 50-60 CYCLES - 0.013 KVA. SECONDARY: 2.5/1.25 VOLTS .75 KV INSULATION.		
3/15/35 L-303640	M-7405815		3/15/35 L-303643	P-7705359		3/18/35 XT-421-0	KX-280939	
NOV. 41	FIG. 1.		NOV. 41			NOV. 41		
CAY 30217	TBM & TBN		CAY 30225	TBM & TBN		CRV 30233	NM-3 & QC-3	
REACTOR			TRANSFORMER - AUDIO			TRANSFORMER - INTERSTAGE		
30.0 HENRIES - 0.12 AMPS.			RATIO: 1 TO 1.5, 100-5000 CYCLES.			RATIO: 2 TO 1. PRIMARY: 20.4 OHMS - 0.45 HENRIES. SECONDARY: 10.2 OHMS.		
3/15/35 L-303636	M-7405815		3/15/35 L-317104	P-7705359		3/18/35 XT-1804	KX-280888	
NOV. 41	FIG. 1.		NOV. 41			NOV. 41		
CAY 30218	TBM & TBN		CAY 30226	TBM & TBN		CRV 30234	NM-3 & QC-3	
REACTOR			REACTOR			TRANSFORMER - POWER		
1.0 HENRY - 1.2 AMPS.			40 HENRIES - 0.070 AMP.			PRIMARY: 110/220 VOLTS. SECONDARIES: 200/400 VOLTS, 36 VOLTS, 6 VOLTS, 12/6 VOLTS & 9/4.5 VOLTS.		
3/15/35 L-303635	M-7405815		3/15/35 L-303631	K-7808843		3/18/35 XT-1808	KX-280890	
NOV. 41	FIG. 1.		NOV. 41			NOV. 41		
CAY 30219	TBM & TBN		CRV 30227	NM-3 & QC-3		CRV 30235	NM-3 & QC-3	
TRANSFORMER - FILAMENT			TRANSFORMER - POWER			TRANSFORMER - OUTPUT		
PRIMARY: 100/200 VOLTS - 60 CYCLES - 200 V.A. SECONDARY: 21/11/10/7.5/2.5 VOLTS.			PRIMARY: 115 VOLTS - 60 CYCLES - 65 WATTS. SECONDARIES: 520/260 VOLTS - .080 AMP. 5.1 VOLTS - 2 AMPS 6.3/3.15 VOLTS - 2.3 AMPS.			RATIO: 1 TO 1.17. PRIMARY: 4.3 OHMS - 0.3 HENRY. SECONDARY: 5.0 OHMS.		
3/15/35 L-317103	M-7405815		3/18/35 XT-1822	KX-280899		3/18/35 XT-1807	KX-280937	
NOV. 41	FIG. 2		NOV. 41			NOV. 41		
CAY 30220	TBM & TBN		CRV 30228	NM-3 & QC-3		CRV 30236	NM-3 & QC-3	
TRANSFORMER -			REACTOR - DUAL			TRANSFORMER - OUTPUT		
PRIMARY: 110/220 VOLTS - 60 CYCLES - 0.14 AMP. SECONDARY: 2440 VOLTS.			EACH: 6.5 HENRIES - .080 AMP. DC - 300 OHMS.			PRIMARY: 400 OHMS. SECONDARY: 4.6 OHMS.		
3/15/35 L-317106	M-7405815		3/18/35 XT-1823	KX-280900		3/18/35 XT-1819	KX-280943	
NOV. 41	FIG. 2		NOV. 41			NOV. 41		
CAY 30221	TBM & TBN		CRV 30229	NM-3 & QC-3		CRV 30237	NM-3 & QC-3	
TRANSFORMER - AUDIO			TRANSFORMER - OUTPUT			REACTOR		
RATIO: 2.5 TO 1, 100 TO 5000 CYCLES - 25 V.A.			RATIO #1 - 6.9 TO 1, SECONDARY 53 OHMS. #2 - 43 TO 1, SECONDARY 0.26 OHM. PRIMARY: 43 OHMS RESISTANCE, 8 HENRIES INDUCTANCE AT 3 VOLTS, 60 CYCLES, .025 AMP.			0.35 HENRY - 0.75 AMP. DC - 2.2 OHMS.		
3/15/35 L-303645	M-7405815		3/18/35 XT-1824	KX-280901		3/18/35 XT-1879	KX-280944	
NOV. 41	FIG. 2		NOV. 41			NOV. 41		
CAY 30222	TBM & TBN		CRV 30230	NM-3 & QC-3		CG-30238	NM-3 & QC-3	
REACTOR			TRANSFORMER - INPUT			TRANSFORMER - PLATE		
1.75 HENRIES - 0.1 AMP.			RATIO: 1 TO 1 OR 1 TO 8.			PRIMARY: 440 VOLTS - 3-PHASE - 60 CYCLES 1.062 KVA. SECONDARY: 1095 VOLTS - 1.5 KVA.		
3/15/35 L-303641	7808900		3/18/35 XT-1851-A	KX-280940		2/18/35 9TD802A1	M-5032763	
NOV. 41			NOV. 41			NOV. 41		

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG-30239	NM-3 & QC-3		CRV 30246	RAK-1/RAL-1		CG-30254	LJ-1	
TRANSFORMER - FILAMENT PRIMARY: 110/220 VOLTS - 50-60 CYCLES 0.060 KVA. SECONDARY: 6/3 VOLTS - 3.0 KV INSULATION.			REACTOR IMPEDANCE: 5200 OHMS MEASURED AT 3 VOLTS, 60 CYCLES AND .030 AMP DC. RESISTANCE: 210 OHMS. IMPREGNATED AND SEALED. TWO LEADS.			TRANSFORMER - OUTPUT INPUT: MATCH 38037 TUBE. OUTPUT: MATCH 600 OR 20,000 OHM PHONES. 20,000/ 20,000/600 OHMS.		
3/18/35		M-4275603	4/10/35	RT-349	M-406261-503	6/20/35	9TC439A1	K-5022849
NOV. 41			NOV. 41			NOV. 41		
CG-30240	NM-3 & QC-3		CRV 30247	RAK-1/RAL-1		CRV 30255	GP	
TRANSFORMER - LINE PRIMARY: 440 VOLTS, 50-60 CYCLES, 0.500 KVA. SECONDARY: 110 VOLTS.			REACTOR IMPEDANCE: 5200 OHMS MEASURED AT 3 VOLTS, 60 CYCLES AND .080 AMP DC. RESISTANCE: 210 OHMS. TAPPED. IMPREGNATED AND SEALED IN A CAN. SAME AS -30246 EXCEPT 3 LEADS.			TRANSFORMER - FILAMENT PRIMARY: 120 VOLTS, 800 CYCLES, .035 KVA, 9.6 OHMS DC. SECONDARY: 2.5 VOLTS, 2 KV INSULATION. SEC #1: 0.012 OHM DC, SEC #2: 0.155 OHM DC.		
3/18/35	9TH854A1	K-4255207	4/10/35	RT-350	M-406261-504	7/8/35	RT-317	M-415368-1
NOV. 41			NOV. 41			NOV. 41		
CG-30241	NM-3 & QC-3		CRV 30248	RAK-1/RAL-1		CRV 30256	GP	
REACTOR 3 HENRIES, 0.7 AMP. D.C., 31.5 OHMS.			FILTER - DUAL IRON CORE; 5 MILLIHENRIES, .073 OHM DC; 5 MILLIHENRIES, .084 OHM DC; 2 PAPER CAPACITORS: 1.0 MFD. ± 10%, 300 VOLTS DC WORKING.			REACTOR - FILTER 1.0 HENRY - 0.235 AMP - DC RES 33 OHMS, 2 KV INSULATION. IMPREGNATED AND SEALED IN CAN.		
3/18/35		K-5024665	4/10/35	RT-347	P-705254-503	7/8/35	RT-318	M-68964-G1
NOV. 41			NOV. 41			NOV. 41		REV 4
CRV 30242	RAK & RAL		CG-30249	TBJ		CRV 30256-A	GP/GP-2	
TRANSFORMER - OUTPUT RATIO: 3.94 TO 1. DC RESISTANCE: PRIMARY: 427 OHMS; SECONDARY: 41.7 OHMS. IMPREGNATED AND SEALED IN CAN.			TRANSFORMER PRIMARY: 110/220 VOLTS, 50-60 CYCLES, 0.2 KVA. SECONDARY: 27/25 VOLTS, 0.15 KV INSULATION.			REACTOR - FILTER (SAME AS -30256 LESS HV CERAMIC). 1 HENRY; 0.285 AMP; 33 OHMS DC RES; 320 OHMS AT 25 VOLT, 60 CYCLE AND .285 AMP DC; HIPOT TEST 4000 VOLT, 60 CYCLE FOR 5 SECONDS BETWEEN WINDING AND CORE OR CASE.		
4/10/35	RT-354	M-80158-G-501	4/16/35	9TD967A1	K-5041774	6/25/38	RT-318	K-843661 REV 0
NOV. 41			NOV. 41			NOV. 41		
CRV 30242-A	RAK-2/RAL-2		CG-30250	TAW-1		CRV 30257	GP	
TRANSFORMER - OUTPUT INCREASED WIDTH FROM 2-3/8" TO 2-7/8", AND ROTATED COIL 90°.			TRANSFORMER PRIMARY: 110/220 VOLTS, 25 CYCLES, 0.2 KVA. SECONDARY: 27/25 VOLTS, 0.15 KV INSULATION.			TRANSFORMER - MODULATION PRIMARY: 11,000 OHMS - MID-TAPPED. SECONDARY: 5,700 OHMS - 0.175 AMPS DC - 2.5 KV INSULATION. RATIO FULL PRIMARY TO SECONDARY: 1.39 TO 1. DC RESISTANCE: PRIMARY 258 OHMS, SECONDARY 190 OHMS.		
12/22/36	RT-354	M-80158-G-501	4/16/35	9TD968A1	K-5041775	7/8/35	RT-321	P-713699-1
NOV. 41		ALT 5	NOV. 41			NOV. 41		
CRV 30243	RAK & RAK-1		CRV 30251	RAK & RAL		CRV 30258	GP	
REACTOR HENRIES - 220 OHMS ± 7-1/2% DC RESISTANCE, 3800 OHMS IMPEDANCE AT 3 VOLTS, 60 CYCLES, .012 AMP DC. IMPREGNATED AND SEALED IN CAN.			ATTENUATOR - VARIABLE DC RESISTANCE = 86 OHMS (MULTI-TAPPED REACTOR & 2 CAPACITORS). (RAK-2 & RAL- CAPACITORS NOT USED.) (USE 30343 & 48806 & 48807 FOR REPLACEMENT).			TRANSFORMER - MICROPHONE PRIMARY: 60 OHMS. SECONDARY: 24,000 OHMS. RATIO: 1 TO 20. DC RES: PRIMARY 1.83 OHMS, SECONDARY 1455 OHMS. IMPREGNATED AND SEALED IN CAN.		
4/10/35	RT-351	M-80157-501	4/29/35	RT-353	P-72397-G-501	7/8/35	RT-323	K-838191-1
NOV. 41			NOV. 41			NOV. 41		
CRV 30244	RAK & RAL		CAY 30252	TBM & TBN		CRV 30259	GP	
TRANSFORMER RATIO: 1 TO 12.5. DC RESISTANCE: PRIMARY 57 OHMS, SECONDARY 3540 OHMS. IMPREGNATED AND SEALED IN CAN.			REACTOR 10 HENRIES - .020 AMP.			REACTOR - FILTER 1.25 HENRIES - 0.1 AMP DC, 72 OHMS.		
4/10/35	RT-355	M-80159-G-501	5/14/35	L-317105	K-7808955	7/8/35	RT-313	K-77169
NOV. 41			NOV. 41			NOV. 41		
CRV 30245	RAK-1/RAL-1		CAY 30253	TBM & TBN		CRV 30260	GP	
TRANSFORMER - POWER PRIMARY: 115 VOLTS - 60 CYCLES - 2 SECTIONS TAPPED. SECONDARY: 500 VOLTS (MID TAP) - 5.0 VOLTS - 6.3 VOLTS (MID TAP). IMPREGNATED AND SEALED IN CANS. 14 LEADS. PRIMARY RESISTANCE 3.38, SECONDARY 250 Ω DC.			TRANSFORMER - AUDIO RATIO: 1 TO 10/16.			FILTER - AUDIO CUT-OFF FREQUENCY: 5,000 CYCLES. REACTOR: 0.065 HENRY. CAPACITOR: 0.0025 MFD.		
4/10/35	RT-348	P-72364-501	5/14/35	S/781252	K-7808900	7/8/35		K-823599
NOV. 41			NOV. 41			NOV. 41		

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CAT 30261 GP TRANSFORMER - POWER PRIMARY: 120 VOLTS, 800 CYCLES, 630/830 VA. SECONDARY: 3150/1575, 1576/788, 7.5/3.75, 10/5, 10/5, 690/325, 1.25/2.5/3.75-5 VOLTS.	7/8/35 NOV. 41	T-606282-1	CAT 30269 TBN-1 TRANSFORMER - RECTIFIER CONTROL. PRIMARY: 110/220 VOLTS, 25 CYCLES, 247/311 VA. SECONDARY: 190 VOLTS CT AT 1.2 AMPS, 2.25 VOLTS AT 36 AMPS. 3.0 KV TEST.	7/15/35 AT SPEC 21104 NOV. 41	S-27925	CAY 30276 TBN-1 TRANSFORMER - FILAMENT PRIMARY: 110/220 VOLTS, SINGLE PHASE, 25 CYCLES, 35.8 VA. SECONDARY: 11 VOLTS	7/29/35 NOV. 41	L-303632 M-7405815
CAT 30262 TBN-1 TRANSFORMER - FILAMENT PRIMARY: 70/100/140/200 VOLTS, 25 CYCLES 208 VA. SECONDARY: 11/5.5-11/5.5-10/5- 10/5-10/5 VOLTS, 2.5 KV TEST.	7/15/35 AT SPEC 21022 NOV. 41	S-27892	CRY 30270 GP TRANSFORMER - I.C.S. PRIMARY: 60 OHMS (NO. 1 & NO. 2), 4-12 OHMS D.C., SECONDARY 24,000 OHMS (NO. 4 TO GROUND) 4410 OHMS DC, SECONDARY 384,000 OHMS (NO. 3-GROUND), SECONDARY 24,000 OHMS (NO. 3 TO NO. 4).	7/23/35 RT-320 NOV. 41	K-838195-1	CHS 30277 RAG & RAH REACTOR 15/15 HENRIES + 20% -5%, 30 VOLTS A.C. 60 MA, 350 OHMS ± 10%.	8/2/35 NOV. 41	D-RA-ZC-1A
CAT 30263 TBN-1 TRANSFORMER - FILAMENT PRIMARY: 70/100/140/200 VOLTS, 25 CYCLES 274 VA. SECONDARY: 11/5.5-10/5-10/5 VOLTS, 2.5 KV TEST.	7/15/35 AT SPEC 21019 NOV. 41	S-27893	CRY 30271 GP TRANSFORMER INTERSTAGE PRIMARY: 5,000 OHMS, TAPPED. SECONDARY: 45,000 OHMS. RATIO FULL PRI TO SEC #1 (1:1.5), SEC #2 (1:1.5), TAP #1 PRI TO SEC (1:1.955), #2 PRI TO SEC (1:1.955), #3 PRI TO SEC (1:1.977). DC RES PRI 610 OHM; SEC #1:565 OHMS, SEC #2:765 OHMS, 7/23/35 RT-322 M-63976-G1 NOV. 41 REV 4	8/2/35 NOV. 41	C-RA-50XB-1	CHS 30278 RAG & RAH TRANSFORMER - POWER PRIMARY: 115 VOLTS, 60 CYCLES (TAPPED AT 105 VOLTS). SECONDARY: #1 - 7.5 VOLTS C.T. - 3.3 AMP. #2 - 5.0 VOLTS - 2.25 AMP. #3 - 450 VOLTS C.T. - 60 MA.	8/2/35 NOV. 41	C-RA-50XB-1
CAT 30264 TBN-1 TRANSFORMER - FILAMENT PRIMARY: 100/200 VOLTS - 25 CYCLES, 25 VA. SECONDARY: 2.5 & 1.25 VOLTS - 7.5 KV TEST.	7/15/35 AT SPEC 21105 NOV. 41	S-27889	IMPREGNATED & SEALED IN CAN. 30271			CAY 30279 TBN & TBN REACTOR 1.75 HENRY - 1000 VOLT INSULATION. 1 AMP.	8/21/35 NOV. 41	L-303604 M-7405815
CAT 30265 TBN-1 TRANSFORMER - PLATE PRIMARY: 220 VOLTS, 3-PHASE, 25 CYCLES. SECONDARY: 910/3000 VOLTS.	7/15/35 AT SPEC 21148 NOV. 41	S-27890	CAY 30272 TBN-1 TRANSFORMER - AUTO 220/440 VOLTS, 3-PHASE, 60 CYCLES, 10 KVA. WITHOUT COVER.	7/29/35 L-317129 NOV. 41	M-7405933 PT. 1	CHS 30280 RAG & RAH REACTOR 6.0 HENRIES - 175 OHMS O.C., - 0.04 AMP.	9/3/35 NOV. 41	RA-164 D-50W-276
CAT 30266 TBN-1 TRANSFORMER - FILAMENT PRIMARY: 100/200 VOLTS, 25 CYCLE, 205 VA. SECONDARY: 5 & 2.5 VOLTS, 21 KV TEST.	7/15/35 AT SPEC 21106 NOV. 41 (DS) R-865 IT 4	S-27891	CAY 30273 TBN-1 REACTOR 6 HENRIES - 0.5 AMPERE, 2,000 VOLTS INSULATION.	7/29/35 L-317124 NOV. 41	M-7405815	CHS 30281 RAG & RAH TRANSFORMER - AUTO RATIO: 30,000 OHMS TO 600 OHMS. RESISTANCE: 812 OHMS PRIMARY, 69 OHMS SECONDARY, 250 TO 2500 CYCLES.	9/3/35 NOV. 41	RA-35 D-50W-277
CAT 30267 TBN-1 TRANSFORMER - STEP DOWN PRIMARY: 220 VOLTS, 25 CYCLE, 880 VA. SECONDARY: 110 VOLTS, 2.5 KV TEST.	7/15/35 AT SPEC 21106 NOV. 41 (DS) R-865 IT 6	S-27894	CAY 30274 TBN-1 TRANSFORMER - PLATE PRIMARY: 110/220 VOLTS, SINGLE PHASE, 25 CYCLES, 180 VA. SECONDARY: 720 VOLTS.	7/29/35 L-317122 NOV. 41	M-7405815	CHS 30282 RAG & RAH TRANSFORMER - INPUT RATIO: 600 TO 540,000 OHMS. RESISTANCE: 44 OHMS PRIMARY, 8040 OHMS SECONDARY. 250 TO 2500 CYCLES.	9/3/35 NOV. 41	RA-34 D-50W-278
CAT 30268 TBN-1 TRANSFORMER - PLATE PRIMARY: 110/220 VOLTS, 25 CYCLES, 173/245 VA. SECONDARY: 2445/1222.5 VOLTS, 3.5 KV TEST.	7/15/35 AT SPEC 21149 NOV. 41	S-27921	CAY 30275 TBN-1 TRANSFORMER - FILAMENT PRIMARY: 100/200 VOLTS, SINGLE PHASE, 25 CYCLES, 226 VA. SECONDARY: 11/10/ 7.5/2.5/21 VOLTS.	7/29/35 L-317121 NOV. 41	M-7405815	CHS 30283 RAG & RAH TRANSFORMER - OUTPUT RATIO: SEC. #1 - 15,000 TO 600 OHMS. SEC. #2 - 15,000 TO 1,215,000 OHMS. RESISTANCE: PRIMARY 670 OHMS, SEC. #1, 19 OHMS - SEC. #2 - 1360 OHMS, 250 TO 2500 CYCLES.	9/3/35 AUG 43	RA-124 D-50W-279

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DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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3.30-14

Class 30—Transformers and Reactors

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CAY 30306	TBK-6		CAY 30313-A	GP-4		CAY 30317	TBL-2	
TRANSFORMER - STEP DOWN			TRANSFORMER, MODULATION			TRANSFORMER -(HF-MO		
250 VA., 25 CYCLE, SINGLE PHASE.			TURN RATIO: 1 TO 1.4. PRIMARY: 147			STANDBY FILAMENT). 36 VA., PRIMARY 230		
440:220/220:110 VOLTS. (USED IN			VOLTS 20 MA, DC RESISTANCE 700 OHMS.			VOLTS, 60 CYCLES SINGLE PHASE, SECOND-		
CAY-52065).			SECONDARY #1: 105 VOLTS, ZERO MA,			ARIES 115 & 11 VOLTS.		
			DC RESISTANCE TERMINALS 4 TO 5 = 432					
			OHMS, 4 TO 6 = 605 OHMS, 4 TO 7 = 865					
			OHMS (TAPPED FOR 1/4 AND 1/2 POWER);					
8/24/36	L-332706	7405815 FIG. 2	5/14/38	L-340149	P-7705670	*OUTLINE 7405815 FIG 4, A = 3/4.		
NOV. 41		A = 6"; B = 0	NOV. 41		REF #12 ALT 6	10/10/36	L-317197	*SEE ABOVE
						NOV. 41		
CAY 30307	GP-3		SECONDARY #2: 6 VOLTS, 100	30313-A		CAY 30318	TBL-2	
TRANSFORMER			MA, DC RESISTANCE TERMINALS 3 TO GROUND			REACTOR (BIAS FILTER)		
88 VA. 114/2.5-2.5-5-7.5-10 VOLTS.			4.5 OHMS. (SIDE TONE WINDING.)			2 HENRY, 1 AMPERE, 300 VOLT D.C.		
8/24/36	L-317154	7406014,G-1				*OUTLINE 7405815 FIG 7, A = 4, C = 5/16.		
NOV. 41						10/10/36	L-332700	*SEE ABOVE
						NOV. 41		
CAY 30308	GP-3		CAY 30314	GP-3		CAY 30319		
TRANSFORMER			TRANSFORMER			CANCELLED USE 30301.		
83 VA., (600-300 CYCLES). PRIMARY: 120			TURN RATIO 1 TO 85. PRIMARY 0.5 VOLTS,					
VOLTS. SECONDARY: 1030 VOLTS, 8 VOLT AC			100 MA, DC RES 4 OHMS CT. SECONDARY:					
SIDETONE WINDING.			43 VOLTS ZERO MA, DC RES EQUALS 6500					
			OHMS.					
1/23/37	L-332742	P-7706005 PT 5	8/24/36	L-332713 &	7705670 REF #10			
NOV. 41			NOV. 41	L-340148	ALT 6			
CAY 30309	GP-3		CRP 30315	LM		CAY 30320		
REACTOR			TRANSFORMER - OUTPUT &			CANCELLED. USE -30300		
1 HENRY, 140 MA, 500 VOLTS DC.			MODULATOR. 20,000/600 OHMS IMPEDANCE					
			RATIO. EVACUATED SHELL.					
8/24/36	L-317156	7705670 PT #4	9/25/36	SPECIAL	CRR:1717C			
NOV. 41		REV. 5	NOV. 41					
CAY 30310	GP-3		CRP 30315-A	LM-2, 3		CAY 30321	TBL-2	
TRANSFORMER			TRANSFORMER - OUTPUT AND			REACTOR		
400 V.A.: (600-800 CYCLES). PRI: 120			MODULATION. IMPEDANCE RATIO 20,000/600.			2 HENRIES - 1000 VOLTS DC - 0.1 AMP.		
VOLTS, SEC: 3500 VOLTS.			PRIMARY INDUCTANCE 45 HENRIES ± 10% AT					
			5 MA DC AND 9 VOLTS AT 60 CYCLES AC.					
			HERMETICALLY SEALED, EITHER EVACUATED					
			OR GAS FILLED. 1000 VOLT PEAK MINIMUM					
			BREAKDOWN. FREQUENCY CHARACTERISTIC IS					
			1/6/37 (CRR)A1717-M (CRR)A1717-M					
1/23/37	L-332740-B	P-7706006 G-3	NOV. 41			*OUTLINE 7705670 REF #5.		
NOV. 41						10/10/36	L-317190 B	*SEE ABOVE
						NOV. 41		
CAY 30311	GP-3		FLAT ± 2 DB FROM 100 TO 300	30315-A		CG-30322	TAJ-6	
REACTOR			CPS. INCORPORATES MECHANICAL MODIFICA-			REACTOR		
0.65 HENRY, 300 VOLT DC, .15 AMP.			TIONS; IS ELECTRICALLY AND MECHANICALLY			.35 HENRY - .35 AMP DC - 10 OHMS DC		
			INTERCHANGEABLE WITH BASIC UNIT.			RESISTANCE - 3 KV INSULATION.		
8/24/36	L-317163	7705670 REF #6				*K-5080578 REV 1		
NOV. 41						10/14/36	9XC175E1	*SEE ABOVE
						NOV. 41		
CAY 30312	GP-3		GPU 30315-B	LM-14		CG 30323	TAJ-6	
TRANSFORMER, MICROPHONE			TRANSFORMER-OUTPUT &			TRANSFORMER: AUDIO		
TURN RATIO 1 TO 16. RATING: 2 VOLT			MODULATOR: SAME AS -30315-A EXCEPT			OSCILLATOR. 800 CYCLES. RATIO PRIMARY TO		
PRIMARY; 32 VOLT SECONDARY (300-3000			HERMETICALLY SEALED INSTEAD OF EVACUATED.			SECONDARY: 1.8 TO 1. PRIMARY: 1 AMP AC		
CYCLES).						AND .15 AMP DC. 7.5 OHMS DC TAPPED AT		
						2.5 OHMS. SECONDARY: .156 AMP AC AND .06		
						AMP DC, 31 OHMS DC TAPPED AT 15.3 AND		
						24.8 OHMS.		
						10/14/36	9TD1226E1	K-5080649
1/23/37	L-332748	7705670 REF #12	5/28/43	CKB:15A4003-1	CKB:15A4003-1	NOV. 41		REV 4
NOV. 41			NOV. 43	REV 0	REV 0			
CAY 30313	GP-3		CAY 30316	TBL-2		CG 30324	TAJ-6	
TRANSFORMER, MODULATION			TRANSFORMER - FILAMENT			TRANSFORMER LINE: 0.500 KVA		
TURN RATIO 1 TO 1.4. RATING: 147 VOLT			200 V.A. 60 CYCLE TWO PRIMARY WINDINGS			50 TO 60 CYCLES. PRIMARY: TWO SEPARATE		
PRIMARY; 105 VOLT SECONDARY AND 5 VOLT			100 VOLTS EACH TAPPED FOR 70, 100, 140			WINDINGS 220/440 VOLTS, 2.36/1.18 AMPS,		
AC SIDE TONE WINDING (300-3000 CYCLES).			OR 200 VOLT OPERATION; 2 CENTER TAPPED			1.31 OHMS DC (PARALLEL) OR 5.25 OHMS DC		
			SECONDARIES, ONE FOR 10 VOLTS, THE OTHER			(SERIES). SECONDARY: TWO WINDINGS 110/		
			FOR 11 VOLTS WITH TAP FOR 10 VOLTS.			220 VOLTS, 4.5/2.27 AMPS. 0.281 OHMS DC		
			*OUTLINE 7405815 FIG 2; A = 4", B = 0.			(PARALLEL) OR 1.25 OHMS (SERIES).		
			10/10/36	L-317189	*SEE ABOVE	10/14/36	9TD1222E1	K-5080638
1/23/37	L-332749	7705670 REF #12	NOV. 41			MAY 45		REV 5 2/12/37
NOV. 41								

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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Class 30—Transformers and Reactors

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG-30325 TAJ-6 TRANSFORMER-FILAMENT 0.1915 KVA; 50 TO 60 CYCLES; PRIMARY-TWO SEPARATE WINDINGS: 110/220 VOLTS; 1.970.95 AMPS; 0.687 OHMS DC(PARALLEL) DR 2.75 OHMS DC(SERIES); SECONDARY #1: 12 VOLTS, 10 AMP, CT; 0.025 OHMS DC; *K-5080641 REV 5 10/14/36 9TD1223E1 *SEE ABOVE NOV. 41			CRY 30330 *SEE BELOW OUTPUT TRANSFORMER RATIO PRI TO SEC #1 5.24 TO 1 (± 3%); PRI TO SEC #2:2.82 TO 1 ± 3%, SEC #1 MIDTAP ± 2% OF ELECTRICAL NEUTRAL. DC RESISTANCE: PRIMARY 450 OHMS, SEC #1 52 OHMS, SEC #2 122 OHMS CT. *DP-4, 5, 6 & DQ-1. 12/22/36 RT-426 M-81127-G-501 AUG 43			CG-30336-A T80 & T80-1 REACTOR SAME AS CG-30336 EXCEPT WITHOUT FEET AND CLAMPS. 1/27/37 9XD130B1 NOV. 41		
SEC #2: 11 VOLTS, 3.25 AMP; 30325 0.068 OHMS DC; SECONDARY #3: 11 VOLTS, 3.25 AMPS; 0.075 OHMS DC. 0.75 KV RMS TEST.			CRY 30331 *SEE BELOW REACTOR 22 HENRIES, .055 AMP, 375 OHMS DC RESISTANCE. *DP-4, 5, 6 & DQ-1. 12/22/36 RT-518 M-80835-G-502 NOV. 41			CAY 30337 T8L-2 REACTOR - FILTER 13 HENRIES, 1000 CYCLES, 0.16 AMPERES CONTINUOUS. 1/15/37 L-332746 M-7406342 NOV. 41 A = 2"		
CG-30325A TAJ-11 & 13 TRANSFORMER FILAMENT; 0.1915 KVA 50 TO 60 CYCLES. PRIMARY TWO SEPARATE WINDINGS 110/220 VOLTS. PARALLEL/SERIES. SECONDARY #1, 12.3/6.15 V 10 AMP CT AMP .25 AMP SEC. #2, 11.25/5 .67 V 3.25 AMP CT AMP .15 AMP SEC. #3, 11.25/5.67 V 3.25 AMP CT AMP .15 AMP. 2/23/42 CAT #7466332 CG:M-7466332 P1 APR. 42 REV 0			CAY 30332 T8L-2 TRANSFORMER: AUDIO OSCILLATOR. 1200/140 VOLTS AC 800 CYCLES, 40 WATTS. 12/29/36 L-317185 M-7405815 FIG 6 NOV. 41 A = 2			CAY 30338 CP-3 REACTOR-FILTER 140 M.H., 1200 CYCLES, 220 VOLTS AC, 0.18 AMP. 1/22/37 L-332741 K-7809072 NOV. 41		
SEC. TEST VOLTAGE 2500 V CG-30325A RMS. SAME AS TYPE -30325 EXCEPT SECONDARY VOLTAGE IS INCREASED BY RATIO OF 12.3 TO 12			CAY 30332-A T8L-5 TRANSFORMER - AUDIO OSCILLATOR. 40 VA, 800 CYCLES; PRIMARY: 1200 VOLTS, TAPPED AT 430 VOLTS, 0.016 AMP; 57 OHMS DC, TAPPED AT 20.5 OHMS. SECONDARY: 140 VOLTS, 2.3 AMP; 0.57 OHMS DC. SAME AS -30332 EXCEPT MORE RUGGEDLY CONSTRUCTED. 12/19/39 L-365774 P-7707229-1 MAR. 42 SUB 3			CAY 30339 T8L-2 MODULATION TRANSFORMER RATIO 1 : 4; RATING 30/120 VOLTS AC; 300 TO 3000 CYCLES. 2/6/37 L-332753 P-7705670 NOV. 41 REF #12		
CG-30326 TAJ-6 TRANSFORMER-FILAMENT 0.038 KVA; 50 TO 60 CYCLES; PRIMARY - TWO SEPARATE WINDINGS: 110/220 VOLTS, 0.410/0.205 AMPS; 6 OHMS DC(PARALLEL); 24 OHMS DC(SERIES) SECONDARY: 11.7 VOLTS 3.25 AMP, CT; 0.125 OHMS DC. 0.75 KV RMS TEST. 10/14/36 9TD1224E1 K-5080643 NOV. 41 REV 6			CG-30333 T80 AUDIO TRANSFORMER STEP UP - RATIO 14 TO 1, 200 TO 3300 CYCLES. 12/29/36 9TC564A1 K-7870210-1 NOV. 41 REV 1			CAY 30340 GO-3 REACTOR: RATED 1.0 HENRY, 0.20 AMP DC, 2000 VOLTS 45 OHMS ±15% DC RESISTANCE. BEFORE APRIL 4, 1942 THIS REACTOR WAS COVERED BY DRAWING P-7705670-REF.4. HAD A DC RESISTANCE OF 60 OHMS ±15%. AND HAD A UNIVERSAL INSTEAD OF A PAPER WINDING. 3/22/37 CAY:L-332724 CAY:P-7705670 AUG. 42 REF. 11 SUB 11		
CAY 30327 T8L-2 REACTOR - THUMP FILTER 1.0 HENRY, 1000 VOLTS 0.6 AMP - 26 OHMS.			CG-30334 T80 AUDIO TRANSFORMER STEP DOWN - RATIO 6.5 TO 1, 200 TO 3300 CYCLES. 12/29/36 9TC556A1 K-7870211 NOV. 41 REV 2			CAY 30341 GO-3 TRANSFORMER - PLATE 400 VA; 600 TO 800 CYCLES; PRIMARY: 120 VOLTS, 0.72 + 0.35 ± 15% OHMS DC; SECONDARY: 370 VOLTS, 180 OHMS DC RES CENTER TAPPED. 3/22/37 L-332750 P-7706037 NOV. 41		
11/23/36 L-332738 OUTLINE 7406313 NOV. 41 A = 1-3/4			CG-30335 T80 REACTOR 325 HENRIES .0003 AMPS DC, 5500 OHMS DC. 12/29/36 9XC106A1 K-7870209 NOV. 41 REV 1			CAY 30342 GO-3 TRANSFORMER - FILAMENT 155 VA; 600 TO 800 CYCLES; PRIMARY: 114 VOLTS, 1.2 OHMS DC RES., SECONDARIES: 5/10CT/2.5CT/12.6CT VOLTS, .006/.035/ .045/.035 OHMS DC RES. 3/22/37 L-332751 P-7706029 NOV. 41		
30328 GO RE13A529 TRANSFORMER - PLATE SEC: 2250 VOLTS DC, 300 MILLIAMPS. PRI: 125 VOLTS, 800 CYCLES AC, ULT TEMP. 110° C.			CG-30336 T80 REACTOR .5 HENRY - .1 AMP DC - 32 OHMS. 12/14/36 L-332743 M-7405915 FIG 7 NOV. 41 A = 3/4" ASSIGNED ISSUED			CRY 30343 REPLACEMENT VARIABLE ATTENUATOR USED WITH 48306 & 44807 CAPACITORS. 86 OHMS MULTI-TAPPED REACTOR. SAME AS 30251 WITH OMISSION OF CAPACITOR UNITS. 4/20/37 RT-525 P-72397 G-502 NOV. 41 ASSIGNED ISSUED		
(CSW) 12/13/36 NOV. 41								
CAY 30329 T8L-2 REACTOR 1 HENRY, 0.75 AMP, 1000 VOLT INSULATION.								

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NAVSHIPS 900,109

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Class 30—Transformers and Reactors

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CRV 30344	CRV-35000		CRP 30350	QC-7		RES. CENTER-TAPPED.		30355
TRANSFORMER OSCILLATOR			REACTOR					
			14/10 HENRIES; .045/0.145 AMP; 117.5 OHMS MAX.					
10/8/37	XT-2718	KX-254016	10/14/37	CBM-SPEC.	(CBM) 753-17			
NOV. 41		REV 0	NOV. 41	U2665				
CRP 30345	QC-7		CRP 30351	QC-7		CRP 30356	CBM-78065	
TRANSFORMER			REACTOR			FILAMENT TRANSFORMER; PRI:		
PRIMARY: 115 V 60 CY 1 PHASE. TEST			CONSISTS OF 4 IDENTICAL WINDINGS ON A			115 VOLTS, 60 CY, 1 PHASE, 2500 VOLTS		
VOLTAGE 2500 V PEAK. .049 OHMS DC RES			SINGLE CORE. .033 HENRY ± 10% AT 7 AMPS			PEAK TEST; 1.17 OHMS ±15% DC RES. SEC#1:		
MAX; SECONDARY 1470 V., 1.2 AMP. CT.			WITH 2 COILS IN SERIES, 2 IN PARALLEL.			7.5 VOLTS, 2.5 AMPS, 2500 VOLTS PEAK		
TEST VOLTAGE 5000 V PEAK, 10 OHMS DC RES			2500 VOLTS PEAK TEST EACH PAIR OF			TEST; .013 OHM ±30% DC RES. CENTER-TAPPED		
MAX.			WINDINGS. RESISTANCE 1.5 OHMS MAX. TOTAL			10 VOLTS, 13 AMPS; 2500 VOLTS PEAK TEST;		
10/14/37	CBM-SPEC	CBM:753-13	10/14/37	CBM-SPEC.	(CBM) 754-44	.05 OHMS ±30% DC RES. CENTER-TAPPED.		
NOV. 41	U2256		NOV. 41	U2663		10/28/37	CBM-SPEC	CBM:725-90
						NOV. 41	U 1539	
CRP 30346	QC-7		CRP 30352	QC-7		CC-30357	CC	
TRANSFORMER - FILAMENT			REACTOR - DOUBLE			REACTOR		
PRIMARY: 110 V, 60 CY, 1 PHASE; 2500 V			TWO REACTORS EACH; 5 HENRIES (MIN);			8 HENRY - 60 MA (150 MA MAXIMUM)		
PEAK TEST; 1.95 OHMS MAX DC RES. SEC 1:			.25 AMP; 2500 VOLTS PEAK TEST. 60 OHMS					
5V, 13.5 AMP; 5000 V PEAK TEST, .012			MAX.					
OHM MAX. DC RES. CENTER TAPPED; SEC 2:								
5 VOLT, 6.75 AMP; 5000 V PEAK TEST, .024								
OHM MAX. DC RES. CENTER TAPPED; SEC 3								
10/14/37	CBM-SPEC.	CBM:753-14						
NOV. 41	U2257							
5 VOLT, 6.75 AMP; 5000 VOLT	30346		*CBM-SPEC W1308 = U2260 FOR EACH COIL.			10/30/37	21103	CRR:84900
PEAK TEST; .024 OHM MAX DC RES. CENTER-			10/14/37 *SEE ABOVE	(CBM) 754-45		NOV. 41		
TAPPED.			NOV. 41					
CRP 30347	QC-7		CRP 30353	QC-7		CRP 30358	GC	
TRANSFORMER FILAMENT:			TRANSFORMER - FILAMENT			TRANSFORMER - OUTPUT		
PRIMARY: 115 VOLTS, 60 CYCLES, 1 PHASE.			PRIMARY: 115 VOLTS, 60 CYCLES, SINGLE			SPECIAL EVACUATED TRANSFORMER FOR OUTPUT		
2500 VOLTS PEAK TEST. 92 OHMS MAX DC RE-			PHASE; 2500 VOLTS PEAK TEST; 1.95 OHMS			OF 6X65 VACUUM TUBE TO 600 OHM LINE.		
SISTANCE. SEC 1: 10 VOLTS, 13 AMPS, 5000			MAX DC RESISTANCE. SECONDARY #1: 2.5			FREQUENCY CURVE FLAT ± 20% FROM 2000 TO		
VOLT PEAK TEST. .0156 OHMS MAX DC RESIS-			VOLTS, 27.5 AMPS; 2500 VOLTS PEAK TEST;			3000 CYCLES WITH OUTPUT OF 1.5 WATTS;		
TANCE. CENTER TAPPED. SEC 2: 10 VOLTS,			.0031 OHM MAX DC RESISTANCE; CENTER-			1000 VOLT TEST BETWEEN COILS OR COIL &		
3.25 AMPS, 5000 VOLT PEAK TEST. .0685			TAPPED. SECONDARY #2: 2.5 VOLTS.			CASE.		
10/14/37	CBM-SPEC	CBM:753-18	10/14/37	CBM-SPEC.	(CBM) 754-46	10/30/37		CRR:87065
NOV. 41	U2494A		NOV. 41	U2254		NOV. 41		
CRP 30347	QC-7		27.5 AMPS; 2500 VOLTS PEAK	30353		CAT 30359	NM-8/NM-9	
TRANSFORMER FILAMENT:			TEST; .0031 OHM MAX DC RESISTANCE;			TRANSFORMER - OUTPUT		
PRIMARY: 115 VOLTS, 60 CYCLES, 1 PHASE.			CENTER-TAPPED.			TURN RATIO 6 TO 1. D.C. RESISTANCE:		
2500 VOLTS PEAK TEST. 92 OHMS MAX DC RE-						PRI, 185 TO 200 OHMS, SEC, 8 OHMS.		
SISTANCE. SEC 1: 10 VOLTS, 13 AMPS, 5000								
VOLT PEAK TEST. .0156 OHMS MAX DC RESIS-								
TANCE. CENTER TAPPED. SEC 2: 10 VOLTS,								
3.25 AMPS, 5000 VOLT PEAK TEST. .0685								
10/14/37	CBM-SPEC	CBM:753-18						
NOV. 41	U2494A							
CRP 30347	QC-7		CRP 30354	QC-7		CRP 30359-A	NM 9a, 10, 11	
TRANSFORMER - PLATE &			TRANSFORMER - PLATE &			TRANSFORMER - OUTPUT		
FILAMENT. PRIMARY: 115 VOLTS, 60 CYCLE,			FILAMENT. PRIMARY: 115 VOLTS, 60 CYCLE,			TURN RATIO PRIMARY TO SECONDARY 7 TO 2		
1 PHASE; 2500 VOLT PEAK TEST; 1.15 OHMS			1 PHASE; 2500 VOLT PEAK TEST; 1.15 OHMS			(APPROX). PRIMARY AT 28 MA DC.		
MAX DC RES. SECONDARY #1: 825 VOLTS,			MAX DC RES. SECONDARY #1: 825 VOLTS,			IMPEDANCE: 7000 OHMS; INDUCTANCE,		
0.19 AMP; 3500 VOLTS PEAK TEST; 75 OHMS			0.19 AMP; 3500 VOLTS PEAK TEST; 75 OHMS			6 HENRIES; DC RES, 420 OHMS. SECONDARY:		
MAX DC RES. CENTER-TAPPED. SECONDARY			MAX DC RES. CENTER-TAPPED. SECONDARY			IMPEDANCE, 600 OHMS; DC RES, 44 OHMS.		
#2: 5 VOLTS, 3 AMPS; 2500 VOLTS PEAK			#2: 5 VOLTS, 3 AMPS; 2500 VOLTS PEAK					
10/14/37	CBM-SPEC	(CBM) 754-48	10/14/37	CBM-SPEC	(CBM) 754-48	8/9/38	U 3448	(CBM) 574-306A
NOV. 41	U 2662		NOV. 41	U 2662		NOV. 41		
CRP 30348	QC-7		TEST; 0.045 OHM MAX DC RES.	30354		CAT 30360	NM-8, NM-9	
REACTOR			CENTER-TAPPED.			TRANSFORMER - PLATE		
1.65/11.5 HENRIES; 1.0/0.1 AMP DC;						71/86 VA; 60 CY: 105/115/120/125 VOLT		
15.5 OHMS MAX.						PRIMARY; 2.54/0.25/0.13/0.13 OHMS DC RES		
						SEC #1: 640 V, .08 A CENTER TAPPED;		
						77.2/82.2 OHMS DC RES. SEC #2: 5 V, 3 A		
						CENTER TAPPED; 0.024/0.024 OHMS DC RES.		
						SEC #3: 6.3 V, 3.2 A. CENTER TAPPED;		
						11/15/37	CBM SPEC:22342	CBM:724-21
						NOV. 41		
10/14/37	CBM-SPEC	(CBM) 753-15.16						
NOV. 41	U2652							
CRP 30349	QC-7		CRP 30355	QC-7		0.027/0.027 OHMS DC RES.		30360
REACTOR			TRANSFORMER - PLATE					
3 HENRIES; 1 AMP DC; 14.7 OHMS MAX.			PRI: 115 VOLTS, 60 CYCLES, 1 PHASE; 2500					
			VOLTS PEAK TEST; .288 OHM MAX DC RES.					
			SEC #1: 174 VOLTS, 2.62 AMPS; 2500 VOLTS					
			PEAK TEST; .98 OHM MAX DC RES. CENTER-					
			TAPPED. SEC #2: 174 VOLTS, 2.62 AMPS,					
			2500 VOLTS PEAK TEST; 1.04 OHMS MAX DC					
			10/14/37	CBM-SPEC	CBM:754-50			
			NOV. 41	U 2253				

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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Class 30—Transformers and Reactors

3.30-17

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CRP 30360-A	NH-8a, 10&11	POWER TRANSFORMER PRIMARY: 105, 115, 120 & 125 VOLTS, 60 CY. AC; DC RES 3.43 OHMS; PLATE WINDING: 640 VOLTS, .08 AMPS C.T.; 177 OHMS; FIL WDG: 5 V., 3 AMPS CT, .056 OHMS; FIL WDG: 6.3 VOLTS, 3.2 AMP, CT, .077 OHMS.	CRP 30367	CBM-23120/HD	PLATE & FILAMENT TRANSFORMER. PRI: 110V., 60 CY., 1 PHASE 9.1 OHMS DC RES; SEC #1: 5V., 3A., CENTER TAPPED, .06 OHMS DC RES; SEC #2: 540V., .04 A., CENTER TAPPED, 580 OHMS DC RES.	CRP 30375	CBM-20063	REACTOR - ASSEMBLY CONTAINS TWO REACTORS CBM SPEC U-2592, DWG 608-68 EACH; 1.35 HENRIES, 1.1 AMP. D.C., 8 OHMS ± 10%; TEST VOLTAGE 2500 VOLT PEAK.
8/9/38	U3508	CBM 724-21A	12/3/37	CBM SPEC U2585	CBM:756-59	12/22/37	CBM SPEC W-1574	CBM:605-3005
NOV. 41			NOV. 41			NOV. 41		
CAT 30361	NH-8/NH-9	FILTER CHOKE - TRIPLE 2 COILS 17 HENRIES AT 0.125 AMP; 211 OHMS DC RES.; 1 COIL, 3 HENRIES AT 0.275 AMP; 75 OHMS DC RES.	CRP 30368	CBM-23120	FILTER CHOKE 20 HENRIES, .036 AMP, 500 OHMS DC RES, 2500 VOLT PEAK DC TEST.	CRP 30376	CBM-41005	TRANSFORMER - AUDIO COUPLING. 1 TO 1 VOLTAGE RATIO - PRI & SEC: 600 OHMS AC IMPEDANCE, 10 OHMS ± 20% DC RES.; 1275 V RMS TEST VOLTAGE.
11/15/37	CBM SPEC:20920	CBM:724-22	12/3/37	CBM SPEC.	(CBM) 756-58	12/22/37	CBM SPEC U-1940	CBM:743-215
NOV. 41			NOV. 41	U-2385		NOV. 41		
CRP 30361-A	NH9a, 10&11	CHOKE - TRIPLE THO COILS, 17 HENRIES AT .125 AMP, EACH 245 OHMS DC. ONE COIL 3 HENRIES AT .275 AMP, 77 OHMS DC.	CAY 30369	GO-3	TRANSFORMER 83 VA: 600-800 CYCLES. PRIMARY: 120 VOLTS, 1.2 OHMS ± 15% DC RESISTANCE. SECONDARY #2: 900 VOLTS, 37.5 OHMS ± 15% DC RESISTANCE. (NO. 4 TO NO. 6) CENTER TAP; SECONDARY #1: 8 VOLTS, 3 OHMS D.C. RESISTANCE (NO. 3 TO GROUND).	CRP 30377	CBM-50048	TRANSFORMER - AUDIO INPUT. PRI: 600 OHMS AC IMPEDANCE, 10 OHMS DC RES ± 20%; SEC: 100,000 OHMS AC IMPEDANCE, 1650 OHMS DC RES ± 20%; HERMETICALLY SEALED. TEST VOLTAGE 1275 V RMS.
8/9/38	W1855	CBM 724-22A	12/7/37	L-352792	P-7706339-G1	12/23/37	CBM SPEC U-1938	CBM:742-57
NOV. 41			NOV. 41		SUB 0	NOV. 41		
CRP 30362	NH-8/NH-9	CHOKE - TWO COILS - .02 HENRIES ± 20% AT 7A. WITH TWO COILS IN SERIES DC RESISTANCE 0.165 OHMS ± 15%. TEST VOLTAGE EACH WINDING 2500 VOLT PEAK.	CRP 30370	CBM-20063	TRANSFORMER - PLATE AND FILAMENT. PRIMARY: 115 VOLTS, 60 CYCLE, 1 PHASE, 2.9 OHMS ± 15%. SECONDARY #1: 925 VOLTS, .0675 AMP, CT, 300 OHMS ± 15%. SECONDARY #2: 5V, 3A., C.T., .07 OHMS ± 30%; #3: 6.3 V, 2 A, C.T., .115 OHMS ± 30%. TEST VOLTAGE 3600 V PEAK.	CRP 30378	CBM-50048	TRANSFORMER - AUDIO OUTPUT. PRI: 7600 OHMS AC IMPEDANCE AT 32 MA DC; 250 OHMS ± 2% DC RES; SEC: 400 OHMS AC IMPEDANCE; 21 OHMS ± 2% DC RES. HERMETICALLY SEALED - TEST VOLTAGE 1275 VOLT RMS.
11/15/37	CBM SPEC:U529	CBM:724-4	12/22/37	CBM SPEC U-2590	CBM:605-74	12/23/37	CBM SPEC U-1939	CBM:742-58
NOV. 41			NOV. 41			NOV. 41		
CRP 30363	CBM-23119	PLATE TRANSFORMER DOUBLE PRI: 220/440 V, 60 CY, 1 PHASE; EACH COIL 0.2 OHMS DC RES; SEC: DUAL, EACH: 440V - 7.75 A RMS IN ONE SEC AT A TIME, EACH COIL 0.59 OHMS DC RES. TEST VOLTAGE, 2500 V PEAK.	CRP 30371	CBM-20063	TRANSFORMER - PLATE PRI: 110V., 60 CY., 1 PHASE, 1.2A., 1.6 OHMS ± 15%; SEC: 246 V., .83A., C.T. 6.3 OHMS ± 15%; TEST VOLTAGE 2500 V. PEAK.	CRP 30379	MISC. SOUND	FILAMENT TRANSFORMER PRI: 110V., 60 CY, 1 PHASE, 180 OHMS ± 15% DC RES, 2500 VOLT PEAK TEST. SEC: 5 VOLT, C.T., 3A., .07 OHMS ± 15% DC RES 6000 VOLT PEAK TEST.
12/3/37	CBM SPEC U2661	CBM:758-29	12/22/37	CBM SPEC U-2591	CBM:605-72	1/5/38	CBM SPEC U-2026	CBM:758-102
NOV. 41			NOV. 41			NOV. 41		
CRP 30364	CBM-23119	PLATE & FILAMENT TRANSFORMER. PRI: 110 V, 60 CY, 1 PHASE; .86 OHMS DC RES ± 15%. TEST 2500 V DC PEAK. SEC #1: 6.3 V ± 10%, 3 A C.T.; .038 OHMS DC RES ± 30%; SEC #2: 5 V ± 5%, 6A C.T.; .012 OHMS DC RES ± 30%; SEC #3: 610 V ± 5%, .33 A C.T.; 25.4 OHMS DC RES ± 15%.	CRP 30372	CBM-20063	TRANSFORMER - FILAMENT PRI: 115 V., 60 CY., 1 PHASE, 16 OHMS ± 15%; SEC: 2.5 V., 13.5 A., C.T., .02 OHMS ± 30%; TEST VOLTAGE 2500 V PEAK.	CRP 30380	LM-2, 3.	CHOKE - AUDIO FREQUENCY 600 HENRIES AT 1 MA DC. HERMETICALLY SEALED & EVACUATED OR FILLED WITH AN INERT GAS, 1000 VOLT PEAK TEST TO CASE. FREQ. CHARACTERISTICS ± 2 DB 100 TO 3000 CYCLES. ALSO USE FOR REPLACEMENT OF CRP-47111.
12/3/37	CBM SPEC U2584	CBM:758-30	12/22/37	CBM SPEC U-2593	CBM:605-73	1/6/38	CRR TYPE	CRR:A1716-L
NOV. 41			NOV. 41			NOV. 41	A1716-L	
CRP 30365	CBM-23119/HD	FILAMENT TRANSFORMER PRI: 110 V., 60 CY., 1 PHASE; 5 OHMS DC RES; SEC: 2.5 V., 21 A., CENTER TAPPED; .005 OHMS DC RES.	CRP 30373	CBM-20063	REACTOR 11.5 HENRIES, 0.09 AMP., 212 OHMS ± 10%; TEST VOLTAGE 2500 V PEAK.	CRP 30380-A	LM-14	CHOKE-AUDIO AMPLIFIER SAME AS BASIC NUMBER EXCEPT IS HERMETICALLY SEALED INSTEAD OF EVACUATED.
12/3/37	CBM SPEC U2386A	CBM:758-32	12/22/37	CBM SPEC U-2146	CBM:742-10	5/28/43	15A4004-1	CKB:15A4004-1
NOV. 41			NOV. 41			NOV. 43		REV 0
CRP 30366	CBM-23119/HD	FILTER CHOKE 20 HENRIES, .03 AMP, 190 OHMS DC. RES. 2500 V DC TEST.	CRP 30374	CBM-20063	REACTOR - ASSEMBLY CONTAINS ONE REACTOR, CBM SPEC U-2592, DWG 608-68; 1.35 HENRIES, 1.1 AMP. DC. 8 OHMS ± 10%; TEST VOLTAGE 2500 V PEAK.	CRV 30381	*SEE BELOW	RE30F104
12/3/37	CBM SPEC U2595	CBM:758-31	12/22/37	CBM SPEC W-1575	CBM:605-3006	12/5/38	XT-2857	
NOV. 41			NOV. 41			NOV. 41		

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NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CENTER TAPPED; TEST VOLTAGE 1500; SEC #3: 2.74 VOLTS AT 3.5 AMP AC; TEST VOLTAGE 1500; SEC #4: 5.0 VOLTS AT 6.0 AMP AC; TEST VOLTAGE 1500.		30301	OHMS MINIMUM. PRI DC RES = 55/64 OHMS; SEC #1 DC RES = 21 OHMS. TAP #4 TO CASE 9.5 OHMS, TAP #6 TO CASE 11.4 OHMS; SEC #2 TAP 4A TO 5A = 2.6Ω, 5A TO 6A1 = 1.3Ω, 6A1 TO 6A2 = 1.4Ω.		30388	CEO 30394	GO	MODULATION TRANSFORMER 40 WATTS. PRIMARY: CENTER-TAPPED (PUSH-PULL OPERATION), 475 VOLTS RMS (PLATE TO PLATE). MAX DC SUPPLY TO MODULATOR 425 VOLTS. SECONDARY: LOAD 2280 OHMS APPROX SHUNTED BY .002 MFO. HAS .186 AMP AT 425 VOLTS DC, DROP NOT TO EXCEED 4/12/38 DC-8 CRR:QF-9065A NOV. 41
CRP 30382 *SEE BELOW	1RE30J1003A		CRV 30389 *SEE BELOW			15 VOLTS. FREQUENCY RESPONSE: ± 1.5 DB AT 150 TO 3500 CYCLES. DC RES: PRIMARY, 100 OHMS; SEC, 80 OHMS.		30394
POWER TRANSFORMER 750 VA; PRI: 220/440 VOLT, SINGLE PHASE, 60 CYCLES, 1.71 AMPS; 4 OHMS MAX IN SERIES DC. SEC: 115 VOLT; 6.53 AMPS; .4 OHMS DC MAX; 4000 VOLT RMS TEST.			*QCA, QCB, QCB-1, QCE, QCF. 3/22/38 CBM:759A NOV. 41	CRV 30389 *SEE BELOW				
CG-30383 QCF	6RE30J1002A		CRV 30389 *SEE BELOW					
POWER TRANSFORMER 1.5 KVA; PRIMARY: 230 VOLT, 60 CYCLE, 0.28 OHMS DC RES; SEC: 440 V, 60 CY., 1.2 OHMS DC RES.			.0125/.0125 OHMS DC, SEC #4: 6.3 VOLTS, 0.4 AMP (CT), .073/.073 OHMS DC. INCLUDES A 12 VOLT WINDING FOR INDICATOR LAMP.					
3/25/38 CBM:759B NOV. 41	CG:M-5050451 REV 0		CRV 30390 *SEE BELOW					
CAT 30384 TBL-3			REACTOR 19 HENRIES. IMPEDANCE AT 30 VOLTS, 60 CYCLES, 0.105 AMP NOT LESS THAN 7500 OHMS. DC RES = 169 OHMS ± 10%.					
REACTOR 5 HENRIES AT 0.1 AMPERES 1500 VOLTS DC.			*TBL-2, 3 SPEECH INPUT. 4/5/38 XT-2846 NOV. 41					
4/1/38 L-340136 NO. 41	M-7406313 REV 0, A = 2"		CRV 30391 GENERAL USE					
CRV 30385 GENERAL USE			REACTOR 1.4 HENRIES. IMPEDANCE AT 3 VOLTS, 60 CYCLES, 0.175 AMP DC SHALL BE 450 OHMS MINIMUM. DC RES = 7.2 OHMS ± 10%.					
POWER TRANSFORMER PRIMARY: 110 VOLTS, 60 CYCLES, 0.32 AMP, 11.4 OHMS DC RESISTANCE. SECONDARY: 20/18/16 VOLTS ± 3% (FULL LOAD) AT 0.92 AMP; FULL SEC DC RES = .72 OHMS; SEC TAP 0-16 = .57 OHMS; 16-18 = .08 OHMS; 18-20 = .08 OHMS. 1500 VOLTS DC TEST. 4/5/38 XT-2843 NOV. 41			*TBL-2, 3 SPEECH INPUT. 4/5/38 XT-2846 NOV. 41					
	K-900511 SHEET 1 REV 0		CRV 30392 GO					
CRV 30386 GENERAL USE			MICROPHONE TRANSFORMER PRIMARY: CENTER-TAPPED; INPUT IMPEDANCE 200/200 OHMS; TOTAL PRI: 50 OHMS DC; SECONDARY: 3000 OHMS DC. TURN RATIO EACH PRI TO SEC: 1 TO 27. FREQUENCY RESPONSE ± .5 DB AT 150 TO 3500 CYCLES WITH 50 MA DC ON PRIMARY. INPUT TO 4/12/38 U-2528-A NOV. 41					
AUDIO TRANSFORMER (MICROPHONE). RATIO: 1 TO 40. PRIMARY DC RES, TAP #1 TO 3 = 3.1Ω. SECONDARY DC RES, TAP #4 TO 6 = 180Ω. SECONDARY IMPEDANCE AT 3 VOLTS, 60 CYCLES AND .0043 AMP DC = 25,600 OHMS MINIMUM. 4/5/38 XT-2841 NOV. 41			CRR:QB-8419					
	K-900509 SHEET 1 REV 0		CTR 30396 DT					
CRV 30387 GENERAL USE			POWER TRANSFORMER PRIMARY: (CT) 6 VOLTS EACH SIDE AT 3.2 AMPS; TOTAL DC RESISTANCE 28 OHMS. SECONDARY: (CT) 300 VOLTS EACH HALF; TOTAL RESISTANCE 500 OHMS.					
AUDIO TRANSFORMER (INTERSTAGE). RATIO PRIMARY TO FULL SECONDARY: 1 TO 4; PRIMARY DC RESISTANCE = 1040Ω; PRIMARY IMPEDANCE = 9250 OHMS MINIMUM AT 3 VOLTS, 60 CYCLES AND .005 AMP DC; SECONDARY DC RESISTANCE TERMINALS 4 TO 5 = 1700Ω, 5 TO 6 = 2660Ω. 4/5/38 XT-2842 NOV. 41			4/19/38 (CRA) 30F/428 NOV. 41					
	K-900510 SHEET 1 REV 0		CTR 30397 LD-4					
CRV 30388 GENERAL USE			REACTOR 15 HENRIES AT 100 MA DC; 230 OHMS DC RESISTANCE.					
AUDIO TRANSFORMER (OUTPUT) RATIO FULL C.T. PRIMARY TO FULL C.T. SECONDARY #1: 3.16 TO 1; FULL C.T. PRI TO FULL C.T. SEC #2 = 14.7 TO 1; FULL C.T. PRI TO TERMINALS 4A & 6A1 OF SEC #2 = 19.6 TO 1. FULL PRI IMPEDANCE AT 3 VOLTS, 60 CYCLE AND 0 AMP DC = 5100 4/5/38 XT-2827 NOV. 41			4/28/38 RA-98-A (CRR) A11696 NOV. 41					
	K-900516 SHEET 1 REV 0		CTR 30398 LD-4					
CRP 30393 GO			TRANSFORMER - OUTPUT IMPEDANCE RATIO 20,000/600 (76 PLATE TO 600Ω). PRIMARY: 1707 OHMS DC RES; 5 MA DC. SECONDARY: CT, 95.4 OHMS DC RES (TOTAL). ELECTROSTATICALLY SHIELDED WITH TAP. 4/28/38 RA-117 (CRR) A11694 NOV. 41					
DRIVER TRANSFORMER; FOR OPERATION BETWEEN A -38042 AND TWO COMMERCIAL 807 VACUUM TUBES. TURN RATIO 1.12 TO 1. FREQ RESPONSE ±.5 DB FROM 150 TO 3500 CYCLES. NO DC CURRENT. PRIMARY: 420 OHMS DC. INPUT IMPEDANCE 5800 OHMS. SECONDARY: 380 OHMS DC, CENTER-TAPPED. 4/14/38 U-2524-A NOV. 41			CTR 30399 LD-4					
	(CRR) QB-8420-1		TRANSFORMER TUNED INDUCTOR FOR AUDIO OSC. PRIMARY: 1 HENRY, 5 MA DC; 49.3 OHMS DC RES. SECONDARY: 1 HENRY, 63.7 OHMS DC RES. ELECTROSTATICALLY SHIELDED WITH TAP. 4/28/38 RA-118 (CRR) A11695 NOV. 41					
			CTR 30400 LD-4					
			TRANSFORMER (POWER) PRI: 110 V. 60 CY AC WITH TAP FOR 115 V. DC RES 5.282 & 5.552 OHMS. DC RES: SEC #1: 5 V, 3 A; .122 OHMS DC.; SEC #2: 6.3 V, 3 A; CT, .103 OHMS; DC RES. SEC #3: 700 V CT, 228 OHMS 100 MA DC; ELECTROSTATICALLY SHIELDED WITH TAP. 4/28/38 RA-122 CRR C55272-8 NOV. 41					

Class 30—Transformers and Reactors

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CAY 30401 GP-4 TRANSFORMER 88 VA - 600 TO 900 CYCLES; PRIMARY 120 VOLTS, 73 MA, DC RES = 1.75 OHMS. SEC #1 1030 VOLTS, 112 MA., DC RES 42 OHMS. CENTER TAPPED; SEC #2: 8 VOLT, 133 MA. DC RES TERMINAL #3 TO CASE 0.3 OHMS (SIDE TONE WINDING) SIMILAR TO -50308. 5/14/38 L-340151 P7706512 NOV. 41 REV 0			CG-30405 TBR/TBR-1 TRANSFORMER - AUDIO (OSCILLATOR). TURN RATIO: 3 TO 1 PRIMARY TO SECONDARY, DC RESISTANCE: PRIMARY 21 OHMS, SECONDARY 23 OHMS. 6/16/38 66G49 K-5086083 REV 2 NOV. 41			CG-30412 TBR/TBR-1 TRANSFORMER (FILAMENT) 50 TO 62 CYCLES; 75 VA; PRIMARY: 119/111/103/95 VOLTS; 3.9/4.2/4.6/5 OHMS DC. SEC #1: 6.3 V, .7 AMP; .39 OHMS DC; 750 VOLTS INSULATION, SEC #2: 2.65 V, 10 AMP .017 OHMS DC; 1500 VOLTS INSULATION, SEC #3: 2.65 V, 10 AMP, .019 OHMS DC. 6/16/38 9T01256E1 K-5022683 REV 5 NOV. 41		
CAY 30401A GO-7 TRANSFORMER 110 VA; 600 TO 800 CYCLES; PRIMARY 120 VOLTS - AMPS, 1.46 OHMS DC; 117 TURNS #26G; SEC #1: 8 VOLTS, 0.15 AMP, 0.25 OHMS DC; 8 TURNS #29G; SEC #2: 1080 V., 0.14 A., 38 OHMS DC, 1050 TURNS #29G. CENTER TAPPED; 2000 V RMS TEST. 3/14/40 L-365788 P:7706512 G3 NOV. 41 SUB 8			CG-30406 TBR/TBR-1 TRANSFORMER - AUDIO (MODULATION). TURN RATIO PRI TO SEC #1 (SUPPRESSOR) 2.29 TO 1; PRI TO FULL SEC #2 (SCREEN) 3.48 TO 1. DC RESISTANCE: PRI 176 OHMS; SEC #1 95 OHMS; FULL SEC #2 41 OHMS WITH TAPS AT 30 AND 20 OHMS. 6/16/38 66G50 K-5086113 NOV. 41			4080 VOLTS INSULATION: 30412		
CAY 30402 GP-4 PLATE TRANSFORMER 400 VA; 600-800 CYCLES. PRIMARY TAPPED FOR 1/4 OR 1/2 POWER; PRIMARY: 120 VOLTS DC RESISTANCE VALUES: .35/.6/.3 TERMINALS 1 TO 2, 2 TO 3 & 3 TO 4 RESPECT.; SECONDARY: 3500 VOLTS CENTER TAPPED, DC RESISTANCE VALUES 78/78 OHMS TERMINALS 5/16/38 L-340150 P-7706537 G-1 NOV. 41 REV 1			CG-30407 TBR/TBR-1 TRANSFORMER - AUDIO (OSCILLATOR). TURN RATIO: FULL PRI TO FULL SEC 2.78 TO 1; 1000 CYCLES DC RESISTANCE PRI: 18 OHMS TAPPED AT 5 OHMS SEC 22 OHMS TAPPED AT 20 OHMS. 6/16/38 66G25 K-5082688 NOV. 41 REV 2			CG-30413 TBR/TBR-1 REACTOR 2 HENRIES; .125 AMP DC; 40 OHMS DC RES; 100 VOLTS INSULATION. 6/16/38 66G70 K-5086112 REV 0 NOV. 41		
5 TO 6 & 6 TO 7 RESPECTIVELY 30402 (SIMILAR TO 30310).			CG-30408 TBR/TBR-1 TRANSFORMER - (COPPER OXIDE RECTIFIER). 50 TO 65 CYCLES; 53VA PRI: 125/115/105/95 VOLTS; SEC: 98/90/82/74 VOLTS. DC RESISTANCE VALUES: PRI, 7.5 OHMS TAPPED AT 6.8, 6.1 & 5.5 OHMS, SEC, 9.8 OHMS TAPPED AT 8.9, 8 & 7.2 OHMS. 6/16/38 66G139 K-5800372 REV 0 NOV. 41			CG-30414 TBR/TBR-1 REACTOR 20 HENRIES; 0.05 AMP DC; 220 OHMS DC RES; 750 VOLTS INSULATION. 6/16/38 66G138 K-5800368 REV 0 NOV. 41		
CAY 30402-A GO-7 PLATE TRANSFORMER 400 VA; 600 TO 800 CYCLES; PRIMARY TAPPED FOR 1/4, 1/2 AND FULL POWER. PRI: 120 V, 0.85 / 3.4 A, 0.75 / 0.5 / 0.3 OHMS DC; 46 TURNS #22G, 32 TURNS #22G, 78 TURNS #18G; SEC: 3500 V, 0.127 A; CT; 70 OHMS DC; 2400 TURNS #29G. 3/14/40 L-365787 P:7706537G-2 NOV. 41 SUB 7			CG-30409 TBR/TBR-1 TRANSFORMER (FILAMENT) 50 TO 60 CYCLES; 151.4 VA; PRI: 125/115/105/95 VOLTS; 1.5 OHMS TAPPED AT 1.3, 1.2, AND 1 OHMS. SEC #1: 13.24 VOLTS, .7 AMP, .538 OHMS DC, CT. SEC #2: 13.24 VOLTS, 1.4 AMPS, .244 OHMS DC, CT. SEC #3: 13.24 VOLTS, 1.4 AMPS, .260 OHMS 6/16/38 9TD1244E1 K-5086067 REV 5 NOV. 41			CG-30415 TBR/TBR-1 REACTOR 15 HENRIES; 0.42 AMP DC; 91 OHMS DC RES; 1500 VOLTS INSULATION. 6/16/38 9XD407E1 K-5082611 REV 3 NOV. 41		
CAY 30403 GP-4 FILAMENT TRANSFORMER 88 VA., 600-800 CYCLES; PRI: 114 VOLT, 1.3 A C.T., DC RES 2 OHMS ± 15%. SEC #1: 2.5 VOLT, 10 AMP, .008 OHMS DC, SEC #2: 5 V., CT, 3 AMPS, .035 OHMS DC, SEC #3: 2.5 V, 2.5 AMP, .022 OHMS DC, SEC #4: 7.5 V, CT GROUNDED, 1.25 AMP, .07 5/16/38 L-340154 M-7406894 NOV. 41 REV 0			DC, CT, SEC #4: 10.5 VOLTS, 10 AMPS, 0.025 OHMS DC, CT. 500 VOLTS INSULATION. 30409			CG-30416 TBR/TBR-1 REACTOR 15 HENRIES, .45 AMP DC, 68 OHMS DC RES, 750 VOLTS INSULATION. 6/16/38 9XD408E1 K-5082612 REV 3 NOV. 41		
OHMS DC SEC #5: 10 V, CT GROUNDED, 3.25 AMP, .035 OHMS DC RES. (SIMILAR TO -30307). 30403			CG-30410 TBR/TBR-1 TRANSFORMER (PLATE) 50 TO 62 CYCLES; PRIMARY: 670 VA, 127/119/111/103 V. SECONDARY: 950 VA., 3180 VOLTS MID TAP WITH PROVISIONS TO ADJUST PRIMARY TO SECURE 2226 OR 1430 VOLTS. 3500 VOLTS SEC INSULATION. 6/16/38 9TD1252E1 K-5082673 REV 5 NOV. 41			CW-30417 GN/RAM OUTPUT TRANSFORMER 6/24/38 D-156899 ES-613062-3 NOV. 41 ISSUE A (1)		
CG-30404 TBR/TBR-1 TRANSFORMER - AUDIO TWO PRIMARIES; TURN RATIOS 1 TO 4.07 AND 1 TO 50, IMPEDANCE: PRI #1: 500 OHMS; PRI #2: 30 OHMS; SEC: 75,000 OHMS, 200 TO 3000 CYCLES DC RESISTANCE: PRI #1: 243 OHMS; PRI #2: 6 OHMS; SEC: 2650 OHMS. 6/16/38 66G48 K-5086039 REV 4 NOV. 41			CG-30411 TBR/TBR-1 TRANSFORMER (PLATE) 50 TO 62 CYCLES; PRIMARY 243 VA; 127/119/111/103 VOLTS, .84/.91/.93/1.05 OHMS DC. SECONDARY: 1275 VOLTS MID TAP, 80 OHMS DC RESISTANCE; 1500 VOLTS SEC INSULATION. 6/16/38 9TD1254E1 K-5082674 REV 5 NOV. 41			CW-30418 GN/RAM OUTPUT TRANSFORMER & REACTOR. 6/24/38 D-98617 ESO-613094-1 NOV. 41 ISSUE A (1)		

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Class 30—Transformers and Reactors

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CG-30419	TBC-2		CG-30427	TBC-2		CG-30434	TBC-2	
REACTOR			TRANSFORMER - FILAMENT			TRANSFORMER - PLATE		
0.75 HENRY, 1.5 AMPS DC, 5 OHMS DC RES, 2.1 KV INSULATION.			28.8 VA, 60 CYCLES; TWO PRIMARIES FOR EITHER PARALLEL OR SERIES CONNECTION; PRIMARY: 115/230 VOLTS; SECONDARY: 2.88 VOLTS, MID TAP, 10 AMPS; 750-VOLTS SEC. INSULATION.			50 TO 60 CYCLES; 1.5 KVA PRIMARY; 2.12 KVA SECONDARY; PRIMARY: 210 VOLTS; SECONDARY: 2400 VOLTS CT.		
7/18/38 66 G 519		K-5805470 AU	7/18/38 66 G 530		K-5805470 AM	7/19/38 66 G 504		K-5805470 AH
NOV. 41		REV 0	NOV. 41		REV 0	NOV. 41		REV 0
CG-30420	TBC-2		CG-30428	TBC-2		CG-30435	TBC-2	
REACTOR			TRANSFORMER - PLATE			TRANSFORMER - FILAMENT		
0.75 HENRY, 7.5 AMPS DC, 1.5 OHMS DC RESISTANCE, 11 KV INSULATION.			36 VA PRI.; 50 VA SEC.; 60 CYCLES; TWO PRIMARY COILS FOR EITHER PARALLEL OR SERIES CONNECTION PRIMARY: 115 / 230 VOLTS. SECONDARY: 250 VOLTS MID TAP; .2 AMP. 750 VOLTS SEC INSULATION.			50 TO 60 CYCLES; 115 VA; TWO PRIMARY COILS FOR PARALLEL OR SERIES CONNECTION. PRIMARY: 115/230 VOLTS. SECONDARY: 5.75 VOLTS, CT, 20 AMPERES. 750 VOLTS SECONDARY INSULATION.		
7/18/38 66 G 405		K-5805470 BF	7/19/38 66 G 542		K-5805470AS	7/19/38 66 G 502		K-5805459 AD
NOV. 41		REV 0	NOV. 41		REV 0	NOV. 41		REV 0
CG-30421	TBC-2		CG-30429	TBC-2		CG-30436	TBC-2	
REACTOR			TRANSFORMER - FILAMENT			TRANSFORMER - FILAMENT		
4 HENRIES, .5 AMP DC, 25 OHMS DC RES, 3.5 KV INSULATION.			28.8 VA; 60 CYCLES; TWO PRIMARY COILS FOR EITHER PARALLEL OR SERIES CONNECTION PRI.: 115 / 230 VOLTS, SEC.: 2.88 VOLTS MID TAP, 10 AMP. 7500 VOLTS SECONDARY INSULATION.			60 CYCLES; 154 VA; TWO PRIMARY COILS FOR PARALLEL OR SERIES CONNECTION. PRI: 115/230 VOLTS. SEC #1: 11.5 V, CT, 6.5 AMP. SEC #2: 11.5 VOLTS, CT, 3.25 AMP; SEC #3: 14.5 V, CT, 7 AMP; SEC #4: 14.5 VOLT, CT, .7 AMP; SEC #5: 14.5 VOLT, CT, 7/19/38 66G515		K-5805470AX
7/18/38 66 G 518		K-5805470 AV	7/19/38 66 G 531		K-5805459 AE	NOV. 41		REV 0
NOV. 41		REV 0	NOV. 41		REV 0			
CG-30422	TBC-2		CG-30430	TBC-2				
REACTOR			TRANSFORMER - FILAMENT					
10 HENRIES, .47 AMP DC, 35 OHMS DC RES, .75 KV INSULATION.			395 VA; 60 CYCLES; TWO PRIMARY COILS FOR PARALLEL OR SERIES CONNECTION. PRI.: 115 / 230 VOLTS; SEC #1: 5.75 VOLTS CT, 30 AMP; SEC #2: 5.75 V. CT, 10 AMP; SEC #3: 5.75 VOLTS CT, 10 AMP; SEC #4: 5.75 V. CT, 10 AMP; SEC #5: 5.75 VOLTS CT, .03 A			1.4 AMP., 750 VOLTS SEC INSULATION.		30436
7/18/38 66 G 541		K-5805470 AM	7/19/38 66 G 532		K-5805459 AF			
NOV. 41		REV 0	NOV. 41		REV 0			
CG-30423	TBC-2					CG-30437	TBC-2	
REACTOR - TWO COILS			7500 VOLTS SECONDARY INSULATION.			TRANSFORMER - FILAMENT		
100/25 HENRIES, .03/.06 AMP DC, 2500/625 OHMS DC RESISTANCE.			TION.			60 CYCLES; 1.368 KVA; TWO PRIMARY COILS FOR PARALLEL OR SERIES CONNECTION; PRI: 115/230 VOLTS; TWO IDENTICAL SECONDARIES EACH 13.4 VOLT, 51 AMP MID TAPPED; COLD FILAMENT CURRENT LIMITED TO TWICE NORMAL. 750 VOLTS SECONDARY INSULATION.		
7/18/38 66 G 536		K-5805471 AK				7/19/38 66G505		K-5805470AZ
NOV. 41		REV 0				NOV. 41		REV 0
CG-30424	TBC-2		CG-30431	TBC-2		CG-30438	TBC-2	
REACTOR			TRANSFORMER			TRANSFORMER - PLATE		
.01 HENRY, .003 AMP DC, 50 TO 20,000 CYCLES, 200 OHMS DC RESISTANCE.			60 CYCLES; 13.77 VA; TWO PRIMARY COILS FOR PARALLEL OR SERIES CONNECTION. PRIMARY: 115 / 230 VOLTS; SEC #1: 7.25 V, CT, 0.5 AMPS; SEC #2: 14.5 VOLTS CT, .7 AMP. 750 VOLTS SECONDARY INSULATION.			60 CYCLES; 282 VA PRI; 400 VA SEC; TWO PRI COILS FOR PARALLEL OR SERIES CONNECTION; PRI: 115/230 VOLT. SINGLE SECONDARY WINDING & MID TAP FOR FOLLOWING VOLTAGES 1120/1180/1240.		
7/18/38 66 G 520		K-5805471 AG	7/19/38 66 G 534		K-5805470 AP	7/19/38 66G539		K-5805470 AT
NOV. 41		REV 0	NOV. 41		REV 0	NOV. 41		REV 0
CG-30425	TBC-2		CG-30432	TBC-2		CG-30439	TBC-2	
TRANSFORMER - PLATE			TRANSFORMER - FILAMENT			TRANSFORMER - PLATE		
.001 KVA, 50 TO 60 CYCLES, TWO PRIMARY COILS FOR PARALLEL OR SERIES CONNECTION, 115/230 VOLT. SECONDARY 20 VOLTS.			60 CYCLES; 13.05 VA; TWO PRIMARY COILS FOR PARALLEL OR SERIES CONNECTION; PRIMARY: 115 / 230 VOLTS; SECONDARY: 7.25 VOLTS CT, 1.8 AMP.			60 CYCLES; 3 PHASE; PRI: DELTA 5.85 KVA, SEC: Y CONNECTED, 6.3 KVA; 230 VOLT PRIMARY WITH TAPS TO PERMIT THE FOLLOWING SECONDARY VOLTAGES 970/1240/1512/1745/1940/2135.		
7/18/38 66 G 503		K-5805471 AF	7/19/38 66 G 535		K-5805470 AN	7/19/38 66G533		M-5097739 AD
NOV. 41		REV 0	NOV. 41		REV 0	NOV. 41		REV 0
CG-30426	TBC-2		CG-30433	TBC-2		CG-30440	TBC-2	
TRANSFORMER - FILAMENT			TRANSFORMER - FILAMENT			TRANSFORMER - AUDIO		
10.15 VA, 60 CYCLES, TWO PRIMARY COILS FOR EITHER PARALLEL OR SERIES CONNECTION 115/230 VOLTS. SECONDARY: 14.5 VOLTS, CENTER-TAPPED, .7 AMPS; 750 VOLTS SEC. INSULATION.			50 TO 60 CYCLES; 103.5 VA; TWO PRIMARY COILS FOR PARALLEL OR SERIES CONNECTION. PRIMARY: 115 / 230 VOLTS; SECONDARY: 5.75 VOLTS CT, 18 AMP. 18 KV SECONDARY INSULATION.			TWO PRIMARY & TWO SECONDARY COILS; TURN RATIO 1:2. PRIMARY IMPEDANCE TOTAL 7500 OHMS. SECONDARY IMPEDANCE TOTAL 30,000 OHMS.		
7/18/38 66 G 516		K-5805470 AL	7/19/38 66 G 501		K-5805459 AC	7/19/38 66G537		K-5805471AH
NOV. 41		REV 0	NOV. 41		REV 0	NOV. 41		REV 0
		ASSIGNED			ASSIGNED			
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Class 30—Transformers and Reactors

3.30-21

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG-30441 TBC-2 TRANSFORMER - AUDIO INPUT TWO PRIMARY COILS & 2 SECONDARY COILS FOR SERIES OR PARALLEL CONNECTION. PRI IMPEDANCE EACH: 62.5/125Ω, SERIES 500 OHMS; SEC IMPEDANCE EACH 15,000 OHMS SERIES 60,000 OHMS.	7/19/38 660538 NOV. 41	K-5805471AJ REV 0	CTR 30449 LD-4 TRANSFORMER - FILAMENT PRIMARY: 115 VOLTS, 60 CYCLES, SINGLE PHASE, 345 OHMS DC. SECONDARY: 6.3 VOLTS, 0.3 AMP, 2.3 OHMS DC.	9/9/38 RA-142 NOV. 41	(CRR) A-13280	CG-30455 TBC-2 FILAMENT TRANSFORMER SAME AS -30454 EXCEPT SECONDARY STUB WINDING CONNECTED TO GIVE 30° CLOCKWISE PHASE ROTATION.	10/18/38 660229 NOV. 41	K-5804708D REV 2
CUT 30442 CXX TRANSFORMER - PLATE TO LINE. PRI IMPEDANCE FROM 8000 TO 15000 OHMS WITH TAPS. SEC IMPEDANCE FROM 50, 20 & 500 OHMS. 7/8" DIA X 1-3/16" HIGH.	7/26/38 0-8 NOV. 41		CRP 30450 *SEE BELOW TRANSFORMER - GENERAL PURPOSE. PRIMARY: 220 VOLTS, 60 CYCLES, SINGLE PHASE, 46 OHMS DC. SECONDARY: 8 VOLTS, .5 AMPS, 0.067 OHM DC. 1780 VOLTS RMS TEST.			CG-30456 TBC-2 POWER TRANSFORMER 11.5 VA. PRIMARY: 115/250 VOLTS, 0.107 AMP, 60 CYCLES, TOTAL DC RESISTANCE 33.5 OHMS. SECONDARY: 115 VOLTS, 0.1 AMP, DC RESISTANCE 20.2 OHMS.	10/18/38 66 G 233 NOV. 41	K-5805470DBE REV 0
CUT 30443 CXX REACTOR - FILTER 300 HENRYS AT 2 MA DC; DC RESISTANCE 6000 OHMS; 75 HENRYS AT 4 MA DC, 450 HENRYS WITH NO DC CURRENT; 1-7/16" SQ. X 1-15/16" HIGH; OVERALL HEIGHT WITH LUGS 2-1/4". MOUNTING DIMENSIONS 1-1/8" BETWEEN CENTERS.	7/26/38 A-30 NOV. 41		* 55034 (QCC & QCD), 10/10/38 U-899A NOV. 41		(CBM) 764-82 ALT 0	CG-30457 TBC-2 AUTO TRANSFORMER 500 VA; 230/115 VOLTS, 60 CYCLES; TOTAL DC RESISTANCE 0.92 OHMS. CURRENT RATING FULL WINDING 2.175 AMP. CENTER TAP. 4.35 AMPS.	10/18/38 66 G 230 NOV. 41	K-5805470 AY SIZE H-3, REV 0
CRV 30444 RAK-4, RAL-4 TRANSFORMER: PRI: 120, 115 & 110, 63, 65, AND 62 VOLTS, 60 CYCLES, .615 TO 1.08 AMPS. SEC #1: (PLATE) 460 VOLTS, .085 AMP, 250 OHMS DC RES, CENTER-TAPPED. SEC #2: (RECT FIL) 5 VOLTS, 3 AMP SEC 3: (AMP FIL) 6.5 V, 2.12 AMP, CENTER-TAPPED. FULL PRIMARY DC RES. = 3.03 OHMS.	7/28/38 XT-2986 NOV. 41	K-900536-501 REV 0	CRP 30451 *SEE BELOW TRANSFORMER - GENERAL PURPOSE. PRIMARY: 220/440 VOLTS, 60 CYCLES, SINGLE PHASE, 4 OHMS DC. SECONDARY: 115 VOLTS, 5.22 AMPS. TEST VOLTAGE 1780 RMS.			CG-30458 TBC-2 MAIN PLATE TRANSFORMER 124 KVA; 3 PHASE; PRIMARY: 230 VOLTS, 60 CYCLES. DC RESISTANCE - OHMS PER PHASE. SECONDARY: 11670 VOLTS 3 PHASE, Y CONNECTED TAPS FOR 12800, 10530, 9400, 8270, 7140, 6010, & 4880 VOLTS.	10/18/38 WS-3219946 G-1 NOV. 41	M-6805328 REV 0 DL-5250730 G-1 NP-75297
CAT 30445 TBS TRANSFORMER-BULKHEAD MOUNTING: PRIMARY: 440 VOLTS, 0.6 AMP, 60 CYCLES, 15.5 OHMS DC, 265 VA. SECONDARY: 220 VOLTS, 1.14 AMPS, 4.7 OHMS DC, 250 VA, 2500 VOLTS TEST BETWEEN WINDING AND BETWEEN WINDINGS & CORE.	8/5/40318 & CRV:KX-285499 7/30/38 CF SPEC 25354 OCT. 42	θ SEE ABOVE	CRP 30452 *SEE BELOW TRANSFORMER - FILAMENT PRIMARY: 110 VOLTS, 60 CYCLES, SINGLE PHASE, 0.90 OHM DC MAX. SECONDARY #1: 7.5 VOLTS, 2.5 AMPS, CENTER-TAPPED, 0.049 OHM DC MAX. SECONDARY #2: 10 VOLTS, 6.5 AMPS, CENTER-TAPPED, * NM-11, QCJ & QCK. 10/12/38 U-3180 NOV. 41		(CBM) 772-2 CBM TYPE 722-2	CG-30458-A TBC-3 MAIN PLATE TRANSFORMER 124 KVA, 3-PHASE. PRIMARY: 230 VOLTS, 60 CYCLES DELTA. SECONDARY: 12,800 VOLTS STAR CONNECTED WITH TAPS FOR 11,600-10,500-9,400-8,270-7,140-6,010 AND 4,980 VOLTS. SAME AS -30458 EXCEPT FOR IMPROVED COMPONENTS.	9/27/40 WS-3219946 G-1 NOV. 41	P-7762903 DL-5250730 G-3 REV 1
CRP 30446 *SEE BELOW REACTOR 0.03 HENRYS AT 7 AMPS DC; 0.322 OHMS DC RESISTANCE. TEST VOLTAGE 1780 RMS.			0.04 OHM DC MAX. SECONDARY #3: 10 VOLTS, 13.5 AMPS, CENTER-TAPPED 0.02 OHM DC MAX. TEST VOLTAGE 2500 VOLTS PEAK.			CG-30459 TBC-8 TRANSFORMER - FILAMENT 0.039 KVA, 50 TO 80 CYCLES; PRIMARY 200V. AND 400 V., CENTER-TAPPED FOR OUTPUTS OF 100V. & 70V. RESPECTIVELY. .374 AMPS; 2500 VOLTS RMS TEST. 6.5 OHMS TAPPED AT 4.5 & 8 OHMS TAPPED AT 5.6 OHMS DC; SEC: 11.6 VOLTS, 3.25 AMPS, CT, 4000 VOLTS 11/14/38 XT-3000 NOV. 43		K-900562-501 REV 0
* -23136 & 52094. 8/10/38 U3182 NOV. 41		CBM:772-1 REV 0	CG-30453 TBC-2 REACTOR 5 HENRYS, 1 AMP DC, 11 OHMS DC RES, INDUCTANCE MEASURED AT 235 VOLTS, 60 CYCLES, 1 AMP DC. 750 VOLTS INSULATION.	10/18/38 66 G 500 NOV. 41		CRV 30459 TRANSFORMER, FILAMENT RMS TEST. 0.15 OHMS DC.		CRV 30459
CRP 30447 *SEE BELOW TRANSFORMER - FILAMENT PRIMARY: 110 VOLTS, 60 CYCLES. SEC #1: 7.5 VOLTS, 2.5 AMPS, 0.017 OHMS DC; SEC #2: 10 VOLTS, 13 AMPS, 0.065 OHMS DC 2500 VOLTS PEAK TEST.			CG-30454 TBC-2 FILAMENT TRANSFORMER 3.8 KVA; 3φ; PRI: 340 VOLT, 60 CYCLES 6.75 AMP. DELTA CONNECTED; DC RESISTANCE 0.585 OHMS PER PHASE. SECONDARY: 10/17.3 VOLTS, 1266 AMPS, ZIG ZAG CONNECTED, DC RESISTANCE 0.00091 OHMS PER PHASE. SECONDARY STUB WINDING CONNECTED	10/18/38 660228 NOV. 41	K-580470 BC REV 2			
* -52094 & 52095. 8/10/38 U3351 NOV. 41		CBM:769-24 REV 0	TO GIVE 30° COUNTER CLOCK-WISE PHASE ROTATION.			CRV 30460 TBC-8 TRANSFORMER, FILAMENT 0.175 KVA, 60 CYCLES; PRIMARY: 200-140-100-70 VOLTS, 1.59 AMPS, 2500 VOLTS RMS TEST; 0.81 OHMS DC TAPPED AT 0.56 AND 0.93 OHMS DC TAPPED AT 0.66 OHMS; SEC #1 10 VOLTS, 6.5 AMPS, CT, 4000 VOLTS RMS TEST, 0.025 OHMS DC RES. SEC #2: 11 11/14/38 XT-3020 NOV. 41		K-900566-501 REV 0
CRP 30448 -49032(QCH) TRANSFORMER - OUTPUT TURN RATIO: 10 TO 1. PRIMARY: IMPEDANCE 600 OHMS, 0 MA DC, 24 OHMS DC. SECONDARY: IMPEDANCE, 6 OHMS, 0 MA DC, 0.25 OHMS DC. 1800 VOLTS PEAK TEST.	8/10/38 U 1929 NOV. 41	(CBM) 726-6 REV 0						
			ASSIGNED ISSUED			ASSIGNED ISSUED		
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CT, 5 AMPS, 0.05 OHMS DC; SEC #4: 11 VOLTS, CT, 15.5 AMPS, 0.02 OHMS DC; SEC #5: 11 VOLTS, CT, 17 AMPS, 0.02 OHMS DC; 750 VOLTS RMS TEST.		30480	HENRY AT 1000 CYCLES. RESIS- TANCE IS 25 OHMS DC. H.V. REACTOR IS 6 HENRY AT 100 MA DC, 250 OHMS. 1000 VOLTS RMS TEST.		30486	AUDIO IMP, 1000 VOLTS RMS TEST. SEC: 1625 TURNS 0.0035E, 367 OHMS DC, 0 AMP DC, 600 OHMS AUDIO IMP, 1000 VOLTS RMS TEST.		30492
CUT 30481 TAQ-5 AUDIO OSCILLATOR REACTOR 0.395 HENRIES, BETWEEN TERMINALS P AND B+ AT 100 VOLTS, 60 CYCLES WITH 275 MA DC. 4000 VOLTS RMS TEST. 6 OHMS DC TAPPED AT 1.25 OHMS.			CRR 30487 RAP OUTPUT TRANSFORMER AND CHOKE. PRIMARY: IMPEDANCE 40,000 OHMS AT 4 MA DC TUNED TO 48 CYCLES WITH A 0.1 MFD, 200 VOLT PAPER CAPACITOR. SECONDARY TO OPERATE INTO A 2000 OHM RESISTIVE LOAD. PRIMARY IS 2500 OHMS, SECONDARY 720 OHMS. CHOKE IS 340 OHMS. 6/12/39 NOV. 41			CRP 30493 GR TRANSFORMER - MICROPHONE TURN RATIO 1/2 PRI TO SEC: 1 TO 14. PRI: 30 OHMS DC, CT. SEC: 1800 OHMS DC.		
3/28/39 36088A NOV. 41		CG:M-7463631 REV 1	CHOKE RATED 6 HENRY AT 50 MA DC. 1000 VOLT RMS TEST.			8/16/39 U-4074-B NOV. 41		(CRR) A16889 REV 0
CUT 30482 YBA-3 FILAMENT TRANSFORMER PRIMARY: 2 COILS 100/200 VOLTS, 60 CYCLES; 2/2 AMPS; 400 VA; .57/.57 OHMS DC; SEC A: 12.6 VOLTS, CT, 0.7 AMPS, .35 OHMS DC; SEC B: 12.6 VOLTS, CT, 1.4 AMPS .17 OHMS DC; SEC C: 10 VOLTS, CT, 5 AMPS .035 OHMS DC; SEC D: 10 VOLTS, CT. 4/25/39 CAT #39410-A NOV. 41		CG:M-7463741 REV 0	CG-30488 TCD/RAR REACTOR 1 HENRY AT 0.100 AMP DC; DC RESISTANCE 50 OHMS; 0.45 KV INSULATION; 2000 VOLTS RMS TEST.			8/24/39 L-365736 NOV. 41		T-7605372 REV 3 FIG 11, A = 4"
10 AMPS, .02 OHMS DC, SEC E: 10 VOLTS, CT, 10 AMPS, .02 OHMS DC; SEC F: 10 VOLTS, CT, 10 AMPS, .02 OHMS DC; 2500 VOLTS RMS TEST.		30482	CG-30489 TCD/RAR TRANSFORMER - AUDIO OUTPUT. TOTAL TURN RATIO P:S, 2.75 FROM PLATE OF -33807 TO 600 OHM LOAD, 350 TO 3500 CYCLES; PRI: 89 OHMS DC, 0.06 AMPS DC, 1000 VOLT RMS TEST; SECONDARY(TOTAL) 24.8 OHMS, 0 AMP, 1000 VOLT RMS TEST.			8/24/39 CAY:L-365737 AUG. 42		T-7605372 REV 3 FIG 11, A = 4"
CUT 30483 YBA-3 RECTIFIER TRANSFORMER PRIMARY: 2 COILS, 100/200 VOLTS, 60 CYCLES; .007/.007 AMPS; 0.4 VA, 650/650 OHMS DC; SECONDARY: 20 VOLTS, 0.02 AMPS, 35 OHMS DC. 2500 VOLTS RMS TEST.			CG-30490 TCD/RAR TRANSFORMER: INTERSTAGE 9500 OHMS TO GRIDS OF TWO -33807 WITH A .5 MEGOHM LOAD IN EACH HALF. 100 TO 3500 CYCLES. TURN RATIO PRI TO EACH SEC: 2 TO 1. PRIMARY 670 OHMS DC, .005 AMP, 1500 V RMS TEST. SECONDARY (TOTAL): 835 OHMS, 0 AMP DC, 1500 VOLTS RMS TEST. MID-TAPPED. 8/10/39 66G 681 NOV. 41			8/24/39 CAY:L-365738 AUG. 42		T-7605372 REV 3; FIG 11, A = 3/4". SEE ABOVE
4/25/39 CAT #39410-B NOV. 41		CG:M-7463745 REV 0	CG-30491 TCD/RAR TRANSFORMER - CLASS B MODULATION. FROM TWO -33807 TO 3200 OHM LOAD. 100 TO 3500 CYCLES. TURN RATIO SEC TO 1/2 PRI: 1.30E. PRI: 240 OHMS DC, MID-TAPPED, 0.105 AMP DC, 3000 VOLTS RMS TEST. SEC: 157 OHMS DC, 0.125 AMP DC, 3000 VOLTS RMS TEST. 8/10/39 66G 845 NOV. 41			10/11/39 F60CA NOV. 41		C-285 10/31/39
CUT 30484 YBA-3 FILAMENT TRANSFORMER PRIMARY: 2 COILS; 100/200 VOLTS, 60 CYCLES; .11/.11 AMPS; 9 VA; 22/22 OHMS DC; SECONDARY: 12.6 VOLTS, CT, 0.7 AMPS, .37 OHMS DC. 2500 VOLTS RMS TEST.			CG-30492 TCD/RAR TRANSFORMER - MICROPHONE TURN RATIO: SEC TO PRI "1, 3.25; SEC TO PRI #2, 1.14, 100 TO 3500 CYCLES. PRI #1: 500 TURNS 0.0035E, 39 OHMS DC, 0.05 AMP DC, 75 OHMS AUDIO IMP, 1000 VOLTS RMS TEST. PRI #2: 1425 TURNS 0.0035E, 364 OHMS DC, 0 AMP DC, 600 OHMS 12/12/39 66 G 959 NOV. 41			10/11/39 F60CA NOV. 41		C-301 11/3/39
4/25/39 CAT #39410-C NOV. 41		CG:M-7463742 REV 0	CG-30493 RAS TRANSFORMER - POWER PRIMARY: 115 VOLTS, 0.65 AMP, 60 CYCLES, 8 OHMS DC, 600 TURNS #24E; SEC #1: 3400 TURNS #35E, CT; 800 OHMS DC; EACH HALF 280 VOLT, 0.035A; SEC #2: 6.2 VOLT, 3.4 A, 0.13 OHMS DC, 36 TURNS #16E; SEC #3: 5V, 3 A, 0.12 OHMS DC, 28 TURNS #17E 10/11/39 12069C NOV. 41			10/11/39 12560C NOV. 41		C-301 11/3/39
CUT 30485 YBA-3 TRANSFORMER PRIMARY: 2 COILS SERIES, 440 VOLTS, 60 CY, 2.89 AMPS, 1.25 KVA, .715 OHMS DC; SECONDARY: 2 COILS SERIES, 220 VOLTS, 5.68 AMPS, .151 OHMS DC. 2500 VOLTS RMS TEST. K-7874588-1 REV 0, K-7874581 REV 0. 4/25/39 66G841 NOV. 41		CG:M-7463742 REV 0	CG-30494 RAS TRANSFORMER - POWER PRIMARY: 115 VOLTS, 0.65 AMP, 25 CYCLES, 13 OHMS DC, 900 TURNS #24E; SEC #1: 5100 TURNS #34E; 950 OHMS DC; EACH HALF 280 VOLT, 0.035A. SEC #2: 6.2 V, 3.4 A, 0.22 OHMS DC, 59 TURNS #16E; SEC #3: 5V, 3A, 0.15 OHMS DC, 45 TURNS #16E. 10/11/39 12560C NOV. 41			10/11/39 12560C NOV. 41		C-301 11/3/39
CG-30485 TBA-3 TRANSFORMER PRIMARY: 2 COILS SERIES, 440 VOLTS, 60 CY, 2.89 AMPS, 1.25 KVA, .715 OHMS DC; SECONDARY: 2 COILS SERIES, 220 VOLTS, 5.68 AMPS, .151 OHMS DC. 2500 VOLTS RMS TEST. K-7874588-1 REV 0, K-7874581 REV 0. 4/25/39 66G841 NOV. 41		CG:M-7463742 REV 0	CG-30495 TBU TRANSFORMER POWER: 375 VA, SINGLE PHASE, 50 TO 60 CYCLES. PRI: 2 COILS, 220/440 VOLTS. SEC: 2 COILS, 110/220 VOLTS.			10/11/39 F60CA NOV. 41		C-285 10/31/39
CRR 30486 RAP AUDIO OUTPUT TRANSFORMER, FILTER AND CHOKE. PRIMARY: IMPEDANCE IS 10,000 OHMS AT 25 MA DC. SECONDARY; WORKS INTO A 370 OHM RESISTOR LOAD; HAS INTEGRAL 2500 CYCLE LOW PASS FILTER. PRIMARY RESISTANCE 395 OHMS, SECONDARY 32 OHMS. LOW PASS REACTOR IS 0.035 6/12/39 NOV. 41		A15464A	CG-30496 TBU TRANSFORMER FILAMENT: 50 VA, SINGLE PHASE, 50 TO 60 CYCLES PRI: 20/100/140/200 VOLTS. SECONDARY: 10 VOLTS, 5 AMPS, CT.			10/11/39 F60CA NOV. 41		C-285 10/31/39
ASSIGNED ISSUED			CG-30497 RAS & RAW TRANSFORMER - OUTPUT TURN RATIO 1:1. PRIMARY: IMPEDANCE 600 OHMS, 40 OHMS DC; SECONDARY: IMPEDANCE 600 OHMS C.T. 55 OHMS DC.			10/11/39 F60CA NOV. 41		C-285 10/31/39
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CNA 30500	RAS & RAW		CKT 30507	REA & RFA				
REACTOR 17 HENRIES ± 20%, 5000 TURNS #31E WIRE, 300 ± 10% OHMS DC, RATED 0.08 AMPERE.			TRANSFORMER - OUTPUT PRIMARY 10,000 OHMS AT 60 CYCLES; 1000 OHMS DC; SECONDARY 600 OHMS AT 60 CYCLES 80 OHMS DC, CT. ± 2 DB FROM 200 TO 2500 CYCLES.			SINGLE PHASE, 60 CYCLES 350		30514
10/11/39 J4573C	C-327 SUB 1		12/26/39 S1164E			TURNS #23E; 4.8 OHMS DC MAX; SEC: 286		
NOV. 41			NOV. 41			VOLTS AT 0.29 AMPS; 930 TURNS CT. #26E; 32 OHMS DC MAX. 1780 VOLTS RMS TEST FOR ONE MINUTE.		
CNA 30501	RAS & RAW		CRP 30508	-20087(WAA)		CRP 30515	-20087(WAA)	
OUTPUT TRANSFORMER PRIMARY: 2300 TURNS #36E; 275 OHMS DC; 5000 OHMS AT 30 VOLTS; 490 CYCLES, 0.045 AMPS DC. SECONDARY: 52 TURNS #19E, 0.16 OHMS DC, 2.8 OHMS INTO VOICE COIL LOAD OF 2.5 OHMS DC.			REACTOR 0.07 HENRIES AT 7 AMPS. 240 TURNS #11EC 0.41 OHMS DC MAX; 1730 VOLTS RMS TEST FOR A PERIOD OF ONE MINUTE.			PLATE TRANSFORMER 0.350 KVA; PRI: 115 VOLTS, SINGLE PHASE, 60 CYCLES- 344 TURNS #19E; 2.1 OHMS DC MAX. SEC: 123 VOLTS CT; 2.85 AMPS; 386 TURNS, CT. #15E; 1.32 OHMS DC MAX; 1780 VOLTS RMS TEST FOR ONE MINUTE.		
10/12/39 5537C	C-295 11/1/39		1/6/40 U-4429	CBM:571-348		1/6/40 U-4427	CBM:571-350	
NOV. 41			NOV. 41	ALT 0		NOV. 41	ALT 0	
CAG 30502	YB, YC, YD		CRP 30509	-20097(WAA)		CRP 30516	-52121(WAA)	
AUTO TRANSFORMER - VARIABLE. LOAD RATING: 2000 VA; RATED CURRENT 18 AMPS; MAXIMUM CURRENT: 18 AMP; INPUT VOLTAGE 115; OUTPUT VOLTAGE; 0 TO 135; NO LOAD LOSS 20 WATTS.			REACTOR - DOUBLE ONE SECTION 0.7 HENRIES AT 0.38 AMPS; 1000 TURNS #24; 13.5 OHMS DC MAX; OTHER SECTION 1.8 HENRIES AT 0.384 AMP- 1170 TURNS #24; 23 OHMS DC MAX; 1780 VOLTS RMS TEST FOR ONE MINUTE.			PLATE TRANSFORMER -775 KVA; PRIMARY: 115 VOLTS, SINGLE PHASE, 60 CYCLES; 129 TURNS #14E; 0.38 OHMS DC MAX; TWO IDENTICAL SECONDARIES EACH RATED: 730 VOLTS 0.53 AMPS; 855 TURNS #22E; 22.5 OHMS DC MAX; 3000 VOLTS RMS FOR ONE MINUTE.		
10/24/39 100Q	100-1D REV 8		1/6/40 W-1867	CBM:571-396		1/6/40 U-4424	CBM:720-408	
NOV. 41			NOV. 41	ALT 0		NOV. 41	ALT 0	
CG-30503	TCR/RAR		CRP 30510	-46079(WAA)		CRP 30517	-23150(WAA)	
REACTOR 1.5 HENRY AT 0.065 AMP DC. DC RESISTANCE 151 OHMS, 1550 TURNS 0.0056E WIRE. 1000 VOLTS RMS TEST.			REACTOR 4 HENRIES ± 2-1/2 % AT 1000 CYCLES, 0 LEVEL (APPROX 2 VOLTS) 0 AMP DC, MAX CURRENT 1 MA DC; 420 OHMS DC MAX. 1275 VOLTS RMS TEST. 2800 TURNS #35E.			PLATE TRANSFORMER 3.413 KVA; TWO IDENTICAL PRIMARIES CON- NECTED IN PARALLEL EACH RATED 115 VOLTS, SINGLE PHASE, 60 CYCLES; 70 TURNS 0.090 X 0.300 BDC; 0.06 OHMS DC MAX; 2 IDEN- TICAL SECONDARIES EACH RATED: 440 VOLTS ± 5%, 7.75 AMPS (ONE SECONDARY AT A 1/6/40 U-4430		CBM:758-169
12/11/39 66G955	K-5805471AV		1/6/40 U-2987	CBM:574-547		NOV. 41	ALT 0	
NOV. 41	REV 0		NOV. 41	ALT 0		TIME); 292 TURNS 0.060 X .120		30517
CG-30504	TCO		CRP 30511	-52121(WAA)		REACTOR 5.5 HENRIES AT 0.9 AMPS DC; 1700 TURNS #20E; 26 OHMS DC MAX; 3000 VOLTS RMS TEST FOR ONE MINUTE.		
FILAMENT TRANSFORMER .095 KVA; PRIMARY 105/115/120 VOLTS, SINGLE PHASE, 60 CYCLES AT .72, .79 AND 0.865 AMPS; 300 TURNS .0295E WIRE, TAPPED AT 276 AND 252 TURNS; 2.7 OHMS DC TAPPED AT 2.5 AND 2.28 OHMS. SEC#1: 1900 TURNS .008E, TAPPED AT 950 TURNS; 12/26/39 66 G 750	K-5805487AG		1/6/40 U-4426	CBM:720-407		NOV. 41	ALT 0	
NOV. 41	REV 2		NOV. 41	ALT 0		80C; 0.71 OHMS DC MAX; 1780 VOLTS RMS TEST FOR ONE MINUTE.		
700 VOLTS, 0.0778 AMPS; 260		30504	CRP 30512	-20097(WAA)		FILAMENT TRANSFORMER 0.150 KVA; PRIMARY: 115 VOLTS SINGLE PHASE, 60 CYCLES; 174 TURNS #18E. 1.1 OHMS DC MAX. SEC: 2.5 VOLTS, CT: 60 AMPS; 4 TURNS CT. 2-(0.090 X 0.300) 80C. 0.0007 OHMS DC MAX, 1780 VOLTS RMS TEST FOR ONE MINUTE.		
OHMS DC; SEC #2: 16 TURNS 0.0571E TAPPED AT 8 TURNS, 6.3 VOLTS AT 4 AMPS; 0.0465 OHMS DC; SEC #3: 13 TURNS 0.049E WIRE 5 VOLTS AT 3 AMPS; 0.0535 OHMS DC; 2500 VOLTS RMS TEST.			1/6/40 U-4428	CBM:571-349		NOV. 41	ALT 0	
CG-30505	TCO		NOV. 41	ALT 0		CRP 30513	-52121(WAA)	
REACTOR 0.845 HENRIES ± 5% AT 2 VOLT, 1000 CYCLES; 2800 AMP DC, 800 TURNS .008E WIRE; 33 OHMS DC; 0.1 AMP DC, 500 VOLTS DC TEST.			12/26/39 66G952	K-5805471BB		NOV. 41	ALT 0	
NOV. 41	REV 0		NOV. 41	REV 0		FILAMENT TRANSFORMER 0.150 KVA; PRIMARY: 115 VOLTS, SINGLE PHASE, 60 CYCLES; 174 TURNS #18E. 1.1 OHMS DC MAX; SEC: 5 VOLTS, CT: 50 AMPS; 8 TURNS CT, 0.090 X 0.300 80C, 0.006 OHMS DC MAX; 3000 VOLTS RMS TEST FOR ONE MINUTE.		
CG-30506	TCO		12/26/39 66G952	K-5805471BB		NOV. 41	ALT 0	
DOUBLE REACTOR ONE SECTION 5 HENRIES; 0.155 AMP; 2150 TURNS 0.010E WIRE; 135 OHMS DC; OTHER SECTION 1.5 HENRIES; 0.155 AMP, 1260 TURNS 0.0113E WIRE; 50 OHMS DC, 2500 VOLTS RMS TEST. INDUCTANCE MEASURED AT 1A VOLT, 60 CYCLES AT 155 MA DC.			NOV. 41	REV 0		CRP 30514	-20097(WAA)	
12/26/39 67076	K-5805471BA		NOV. 41	REV 0		FILAMENT & PLATE TRANSFORMER. FILAMENT TRANSFORMER: 0.015 KVA, PRIMARY: 115 VOLTS, SINGLE PHASE, 60 CYCLES. 1280 TURNS #28E; 40 OHMS DC MAX; SEC: 5 VOLTS AT 3 AMP. 64 TURNS CT. #16E; 0.18 OHMS DC MAX, PLATE TRANSFORMER - 0.083 KVA; PRI: 115 VOLTS, 1/6/40 W-1866		CBM:571-395
NOV. 41	REV 0		NOV. 41	ALT 0		NOV. 41	ALT 0	
ASSIGNED			ASSIGNED			ASSIGNED		
ISSUED			ISSUED			ISSUED		

Class 30—Transformers and Reactors

3.30-25

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CRR 30521	TAJ-8		CRR 30527	LM-6		CG-30533	QCJ-2 & QCL	
FILAMENT TRANSFORMER 264 VA, 50 TO 60 CYCLES; SINGLE PHASE; PRIMARY: 140/100/70 VOLTS TAPPED 134 & 94, 183 TURNS #14EP, 0.5 OHMS. SECOND- ARY #1: 110 VOLTS AT 0.2 AMP CT, 156 TURNS #25E WIRE, 6 OHMS DC; SEC #2: 10 VOLTS AT 5 AMP CT, 14 TURNS #12EP, 3/2/40 A 16964 A 16964 A NOV. 41			REACTOR 30 HENRIES, 0.025 AMP DC, 870 OHMS DC AT 20° C (1053 OHMS DC AT 75° C) 1500 VOLT RMS 60 CYCLE TEST.	5/8/40 XR-28 A 19756 MAR. 44 REV 0		TRANSFORMER 2.35 KVA; 60 CYCLES; PRIMARY: 440 VOLTS, 193 TURNS OF 0.035" X 0.7" DC, 0.425 OHMS DC; SEC: 700 VOLTS, 308 TURNS OF 0.0408" WIRE TAPPED AT 77 AND 154 TURNS 0.917 OHMS DC. SECONDARY CURRENT RATING 4.72 AMP PER LEG. 7/8/40 602202 K-5805463 AT NOV. 41 REV 3		
0.028 OHMS DC; SEC #3: 10 30521 VOLTS AT 5 AMP CT, 14 TURNS #12EP, 0.03 OHMS DC; SEC #4: 11 VOLTS AT 10 AMP, CT, 16 TURNS #10 SQ PC, 0.019 OHMS DC.			CPU 30527-A LM-15 REACTOR SAME AS BASIC NUMBER EXCEPT HAS ROUNDED EDGES.			CG-30534	QCJ-2 & QCL	
						PLATE TRANSFORMER 60 CYCLES; PRIMARY: 0.220 KVA, 440 VOLTS, 532 TURNS OF 0.0253" E, 9.3 OHMS DC; SEC #1: 290 VA, 610 VOLTS, 760 TURNS OF 0.0253" E, CT, 10.7 OHMS DC; SEC #2: 25 VA, 440 VOLTS, 572 TURNS OF 0.008E, CT, 108 OHMS DC. CURRENT RATINGS: 7/8/40 67 G 240 K-5805499 BC NOV. 41 REV 3		
				5/28/43 CKB:15-A4001-2 CKB:15-A4001-2 NOV. 43 REV A		SEC #1, 0.475 AMP PER LEG; 30534 SEC #2, 0.057 AMP PER LEG.		
CRR 30522	TAJ-8		CRV 30528	CRV-50064		CG-30535	QCJ-2 & QCL	
MODULATION TRANSFORMER 800 CYCLES, SINGLE PHASE. PRIMARY: 900 VOLTS, 1 KVA, 900 TURNS #21EP, 11.4 OHMS DC; SECONDARY: 500 VOLTS AC WITH 0.03 AMP DC 500 TURNS #27EP, 33.5 OHMS DC; TESTING: 300 VOLTS AC WITH 0.04 AMP DC, 300 TURNS #27EP, 21.1 OHMS DC. 3/2/40 A 16966 A 16966 A NOV. 41			OUTPUT TRANSFORMER PRIMARY: 5100 OHMS AT 3 VOLTS, 60 CYCLES AND 0 AMP DC, 2000 TURNS, .0071E, CT 119 OHMS DC; SEC #1: 634 TURNS, .0113E, CT, 20.9 OHMS DC; SEC #2: 136 TURNS, .0113E, TAPPED AT 17 AND 34, 5.3 OHMS DC. 6/7/40 XT-2827A K-900885 NOV. 41 REV 1			TRANSFORMER 0.050 KVA; 60 CYCLES; PRIMARY: 440 VOLTS 1540 TURNS OF 0.0089" E, 111 OHMS DC; SEC #1 & #2 EACH: 4.17 AMP AT 6 VOLTS, 21 TURNS OF 0.049E, 0.116 OHM AND 0.122 OHMS DC RESPECTIVELY. 7/8/40 67 G 242 K-5805499 BF NOV. 41 REV 4		
CAY 30523	60-7		CRV 30529	CRV-50064		CG-30536	QCJ-2 & QCL	
FILAMENT TRANSFORMER 195 VA, 600 TO 800 CYCLES; PRIMARY/ SEC #1/ SEC #2/ SEC #3/ SEC #4/ SEC #5 10/2.5/2.5/15.5/7.5/10.4 VOLTS; 2.14/ 10/3/1.4/2.15/10 AMPS; 0.75/0.0055/ 0.020/0.093/0.027/0.014 OHMS; #20/#13/ #13/#20/#18/#12 WIRE. 3/12/40 L-365778 P-7706935-G2 NOV. 41 SUB 1			INPUT TRANSFORMER SECONDARY: 70,000 OHMS AT 3 VOLTS, 60 CYCLES AC AND 0.0011 AMP DC, 10,000 TURNS, .0031E, CT, 4280 OHMS DC; PRI #1: 490 TURNS, 0.008E, TAPPED AT 104, 245 AND 386; 16.2 OHMS DC; PRI #2: 100 TURNS, .0126E, 3.4 OHMS DC. 6/7/40 XT-3444 K-900886-1 NOV. 41 REV 1			INSULATING TRANSFORMER 0.050 KVA; 60 CYCLES; PRIMARY: 440 VOLTS, 1540 TURNS OF 0.0089" E, 110 OHMS DC; SECONDARY: 440 VOLTS, 50 VA, 1700 TURNS OF 0.008" E, 190 OHMS DC. 7/8/40 67 G 243 K-5805499 BF NOV. 41 REV 3		
CRP 30524	LD-4		CRV 30530	CRV-50064		CG-30537	QCJ-2 & QCL	
VOLTAGE REGULATOR TRANSFORMER. 0.071 KVA AT 92% PF; INPU 95 TO 130 VOLTS, 0.9 AMPS, SINGLE PHASE, 60 CYCLES; OUTPUT 110 VOLTS ± 1%, 0.64 AMP. CONTINUOUS. FOR REPLACEMENT OF NAVY TYPE CRP-23126 UNITS. 3/26/40 DU 74-475 (CRR) L 71743 NOV. 41 REV 0			THREE SECTIONS CONNECTED IN SERIES. EACH SECTION IMPEDANCE OF 30 OHMS AT 0.5 AMP DC, AND 125 TURNS 0.0508E, 0.34 OHMS DC. 6/7/40 XT-3433 K-900887 NOV. 41 REV 0			REACTOR - MULTIPLE 0.010 KVA; 60 CYCLES; FOUR SETS OF WINDINGS; 230 VOLTS AC, 230 VOLTS AC, 54 VOLTS DC AND 6.35 VOLTS DC. 7/8/40 67 G 244 K-5805499 BF NOV. 41 REV 3		
CRV 30525	DZ		CRV 30531	CRV-50064		CG-30538	QCJ-2 & QCL	
AUDIO PACK CONSISTS OF A TRANSFORMER AND A REACTOR. TRANSFORMER PRIMARY: 11,000 OHMS AT 60 CYCLES WITH 0.015 AMP DC; 1610 OHMS DC. SECONDARY: 560 OHMS AT 60 CYCLES AND 73 OHMS DC. REACTOR: 2800 OHMS AT 60 CYCLES WITH 0.05 AMP DC; 300 OHMS DC. 4/3/40 M-420793 REV 3 NOV. 41			SATURABLE REACTOR AC WINDING: 667 OHMS AT 30 VOLTS 60 CYCLES AC, CONSISTS OF TWO IDENTICAL COILS CONNECTED IN REVERSE EACH 175 TURNS OF 0.0253E WIRE, 1.13 OHMS DC; DC WINDING: 80 TURNS OF 0.0403E WIRE, 0.25 OHMS DC; WITH 30 VOLTS 60 CYCLES ON 6/7/40 XT-3443 K-900888 REV 0 NOV. 41			FILAMENT TRANSFORMER 0.190 KVA; 60 CYCLES; PRIMARY: 440 VOLTS 623 TURNS 0.0226E, 10 OHMS DC; SEC #1 & 2: 24 AMP AT 2.5 VOLTS, CT, 4 TURNS 0.0101" X 2.0" STRIP, 0.01 OHMS DC; SEC #3: 9 AMPS AT 5 VOLTS, 8 TURNS 0.095" X 0.080" DC, 0.037 OHMS DC; 7/8/40 67G245 K-5805499 BH NOV. 41 REV 3		
CRR 30526	LM-6		CRV 30532	CRV-50064		CG-30538	QCJ-2 & QCL	
POWER TRANSFORMER PRI: 23.5 VA, SINGLE PHASE, 60 CYCLES; 125 VOLTS TAPPED FOR 115 OR 105 VOLT OPERATION, 12 OHMS DC; SEC #1: 510 V AT 0.025 A., CT, 606 OHMS DC; SEC #2: 12.6 V. AT 0.9 A, 0.54 OHMS DC; SEC #3: 6.3 V AT 0.5 A., 0.47 OHMS DC. 5/8/40 XPF-23 A 19754 NOV. 41 REV 0			AC WINDING, THE VOLTAGE 30531 MEASURED ON THE DC WINDING SHALL NOT EXCEED 0.5 VOLT.			SEC #4: 4 AMP AT 6.3 VOLTS 30538 TAPPED AT 5 VOLTS, 10 TURNS 0.068" E TAPPED AT 8 TURNS, 0.088 OHMS DC.		
CPU 30526-A LM-15 POWER TRANSFORMER SAME AS BASIC NUMBER EXCEPT HAS ROUNDED EDGES. 5/28/43 CPU:5254 CKB:15-A4002-2 DEC. 44 ISSUE E			6/7/40 XT-3445 K-900889 REV 0 NOV. 41					

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG-30539	QCJ-2 & QCL		0.0158 OHMS DC; SEC #3: 2.55 VOLTS, 5 AMPS, 9 TURNS 0.072"E, 0.01686 OHMS DC; SEC #4: 2.54 VOLTS, 5 AMPS, 9 TURNS 0.072"E, 0.0181 OHMS DC.	30545		SEC #2 (0.52 OHMS) WOUND OVER PRI, CONNECTED IN SERIES, EACH: 88 TURNS 0.0453"E TAPPED AT 7, 44 AND 81 TURNS.		
7/8/40	67G246	K-58054998J						
NOV. 41		REV 3						
CG-30540	QCJ-2 & QCL		CRY 30546	QCJ-2 & QCL		CRY 30552	QCJ-2 & QCL	
REACTOR			TRANSFORMER: 60 CYCLES.			REACTOR		
0.03 HENRIES AT 1 AMP DC; 205 TURNS 0.054"E, 0.43 OHMS DC.			PRIMARY: 115 VOLTS TAPPED AT 100 V, .394 AMP, 242 TURNS .0201"E TAPPED AT 210 TURNS, 3.95 OHMS DC. PLATE: 380 VOLTS, .10 AMP, CT, 830 TURNS .0159"E, 27 OHMS DC. SECONDARY: 5 VOLTS, 3 AMPS, CT, 11 TURNS .0571"E, .042 OHMS DC.			IMPEDANCE MEASURED AT OUT TERMINALS WITH IN TERMINALS CONNECTED TOGETHER AT 3 VOLTS 60 CYCLES AC AND 8 AMP DC TO BE 13.5 OHMS MINIMUM. SECTION 1: 0.102 OHMS DC; SECTION 2: 0.148 OHMS DC; EACH COIL 120 TURNS 0.080 X 0.100 OCC.		
7/8/40	67C380	K-58054998M	7/9/40	XT3501	K-900939	7/9/40	XT-3537	K-901012
NOV. 41		REV 2	NOV. 41		REV 2	NOV. 41		REV 2
CRY 30541	QCJ-2 & QCL		CRY 30547	QCJ-2 & QCL		CRY 30553	QCJ-2 & QCL	
REACTOR			FILAMENT TRANSFORMER: 60 CYCLES. PRIMARY: 115 VOLTS, TAPPED AT 100 V, .109 AMPS, 263 TURNS .0359"E TAPPED AT 228 TURNS. SEC#1: 10 VOLTS, 10 AMPS, CT, 24 TURNS .095"X.095" OCC. .02287 OHMS DC. SEC#2: 7.58 VOLTS 1.25 AMPS, CT, 18 TURNS .0359"E, .143 OHMS DC.			REACTOR		
IMPEDANCE AT 3 VOLTS 60 CYCLES AC AND 0.100 AMP DC TO BE 4000 OHMS OR MORE, 3750 TURNS 0.008"E; 320 OHMS DC.			7/9/40	XT3502	K-900940	IMPEDANCE AT 30 VOLTS AC AND 6.5 AMP DC TO BE 15.1 OHMS MINIMUM; 198 TURNS 0.072"E; 0.405 OHMS DC.		
7/9/40	XT3129-A	K-900903	NOV. 41		REV 2	7/9/40	XT1626-B	K-901015
NOV. 41		REV 1				NOV. 41		REV 0
CRY 30542	QCJ-2 & QCL		CRY 30548	QCJ-2 & QCL		CRY 30554	QCJ-2 & QCL	
POWER TRANSFORMER			OUTPUT TRANSFORMER			REACTOR		
60 CYCLES; PRI #1 & #2 IN PARALLEL 125 VOLTS TAPPED AT 115 VOLTS & 105 VOLTS; 1.56 AMP; PRI #1 & #2 IN SERIES: 250 VOLTS TAPPED AT 230 VOLTS & 210 VOLTS, 0.778 AMP; EACH COIL 190 TURNS 0.032"E TAPPED AT 175 & 160 TURNS, 1.645 OHMS DC.			TURN RATIO PRI TO SEC: 6.16 TO 1; PRIMARY: IMPEDANCE AT 3 VOLTS, 60 CYCLES AND 0 AMPS DC TO BE 650 OHMS MIN, 265 TURNS 0.0159"E, 3.15 OHMS DC; SECONDARY: 43 TURNS 0.0159"E, 0.62 OHMS DC.			IMPEDANCE AT 3 VOLTS, 60 CYCLES, AC AND 0.700 AMP DC TO BE 900 OHMS MINIMUM; 980 TURNS 0.0285"E; 14 OHMS DC.		
7/9/40	XT3463	K-900908	7/9/40	XT3569	K-900998	7/9/40	XT 3204	K-901020
NOV. 41		REV 0	NOV. 41		REV 2	NOV. 41		REV 0
PLATE 652 VOLTS, 0.15 AMP.	30542		CRY 30549	QCJ-2 & QCL		CG-30555	QCJ-2 & QCL	
CT, 1030 TURNS 0.0126"E, 70.2 OHMS DC; SEC #1: 6.3 VOLTS, 12 AMPS, CT, 10 TURNS 0.110" X 0.110", 0.01 OHMS DC; SEC #2: 5 VOLTS, 3 AMPS, 8 TURNS 0.0571" & 0.04 OHMS DC.			INPUT TRANSFORMER			TRANSFORMER		
7/9/40			TURN RATIO, FULL PRI TO SEC: 1 TO 1.11; 1/2 PRI TO SEC: 1 TO 2.22; ENDING OF PRI #1 AND #2 CONNECTED TOGETHER AND TO ELECTROSTATIC SHIELD AND START OF SEC. PRI #1 AND #2 EACH: 225 TURNS 0.0063"E TAPPED AT 112-1/2 TURNS, 13 OHMS DC.			0.540 KVA; 50/60 CYCLES; 440 VOLT DELTA PRIMARY AND 110/55 VOLT DELTA SECONDARY.		
			7/9/40	XT3540	K-901000	7/13/40	67 G 212	K-5805470
			NOV. 41		REV 0	NOV. 41		REV 0
CRY 30543	QCJ-2 & QCL		FULL PRIMARY IMPEDANCE AT 1	30549		CG-30556	QCJ-2 & QCL	
FILAMENT TRANSFORMER			VOLT, 60 CYCLES AND 0 AMP DC TO BE 330 OHMS MIN.; SECONDARY: 500 TURNS 0.0063"E 35 OHMS DC.			TRANSFORMER		
60 CYCLES; PRIMARY: 115 VOLTS TAPPED AT 100 VOLT, 1.23 AMPS, 347 TURNS 0.0359"E, TAPPED AT 302, 1.805 OHMS DC; SECONDARY: 2.5 VOLTS, 51 AMPS, CT, 8 TURNS 0.0254" X 1.75", 0.0015 OHMS DC.			7/9/40	XT1744-C	K-901004	0.850 KVA; 50 TO 60 CYCLES; 440 VOLT DELTA PRIMARY AND 870 VOLT STAR SECONDARY.		
7/9/40	XT3493	K-900936	NOV. 41		REV 1	7/13/40	67 G 213	K-5805470
NOV. 41		REV 3				NOV. 41		REV 2
CRY 30544	QCJ-2 & QCL		CRY 30550	QCJ-2 & QCL		CAY 30557	T8M-4,5,6	
REACTOR			OUTPUT TRANSFORMER			TRANSFORMER: MODULATION		
IMPEDANCE AT 3 VOLTS, 60 CYCLES AC & 25 AMP DC TO BE 1040 OHMS OR MORE; 1780 TURNS 0.0159"E; 40.8 OHMS DC.			TURN RATIO PRI TO FULL SEC: 3.94 TO 1; PRIMARY IMPEDANCE AT 3 VOLTS, 60 CYCLES AC AND 0.015 AMP DC TO BE 6030 OHMS MIN. PRIMARY: 3900 TURNS 0.0056"E, 427 OHMS DC; SEC #1: 495 TURNS 0.0113"E, 21 OHMS DC; SEC#2 SAME AS SEC#1 EXCEPT REVERSED.			METER. TURN RATIO PRI TO SEC 210/4.5. PRIMARY: 210 MA, 120 TURNS #24SCDE, 1.2 OHMS. ONE END CONNECTED TO GROUND. SECONDARY: 5600 TURNS #42E, 3450 OHMS DC. CT GROUNDED, HERMETICALLY SEALED. # T-7606307-1 SUB 3, & X-7407435 SUB 2. #SEE ABOVE		
7/9/40	XT3507	K-900937	7/9/40	XT1744-C	K-901004	9/10/40	L-365741	
NOV. 41		REV 2	NOV. 41		REV 1	NOV. 41		
CRY 30545	QCJ-2 & QCL		CRY 30551	QCJ-2 & QCL		CAY 30558	T8M-4,5,6	
FILAMENT TRANSFORMER			OUTPUT TRANSFORMER			MODULATION TRANSFORMER		
60 CYCLES; PRIMARY: 115 VOLTS TAPPED AT 100 VOLTS, 0.755 AMP, 390 TURNS 0.0253"E TAPPED AT 339 TURNS, 3.65 OHMS DC; SEC #1: 2.55 VOLTS, 15 AMPS, 9 TURNS 0.085 X 0.125 OCC, 0.0058 OHMS DC; SEC #2: 2.56 V, 5 AMPS, 9 TURNS 0.072"E.			TURN RATIO PRI TO 240 V SEC 10.5 TO 1; PRI TO 200 V SEC 12.4 TO 1; PRI IMPEDANCE AT 3 VOLTS, 60 CYCLES AC AND 0 AMP DC TO BE 2100 OHMS MIN. PRIMARY: 920 TURNS 0.0179"E, CT, 29.7 OHMS DC. SEC #1: (0.37 OHMS DC) WOUND UNDER PRI AND			0.4 KVA; 100 TO 5000 CYCLES; PRI #1: 1130 VOLTS, 0.25 AMP, 800 TURNS #26SCCE, 35 OHMS DC; PRI #2: 1130 VOLTS, 0.25 AMP, 800 TURNS #26SCCE, 55 OHMS DC; SEC: 1910 VOLTS, 0.2 AMP, TAPPED AT 1660 AND 1630 VOLTS, 79.5 OHMS TAPPED AT 11.5 AND		
7/9/40	XT3490	K-900938	7/9/40	XT3556	K-901011	9/10/40	L-365742	T-7606307-9
NOV. 41		REV 2	NOV. 41		REV 2	NOV. 41		SUB 3

Class 30—Transformers and Reactors

3.30-27

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
10 OHMS, 1420 TURNS TAPPED AT 1239 AND 1218 TURNS #26SCCE.		30558	CAY 30564	TBM-4,5,6	TRANSFORMER 100 TO 5000 CYCLES; PRIMARY: 18 VOLTS, 2700 OHMS DC, 4000 TURNS #42 WIRE, CT; SECONDARY #1: 23 VOLTS, 4330 OHMS DC, 6000 TURNS #42 WIRE, CT; SECONDARY #2: 5.5 VOLTS, 105 OHMS DC, 1160 TURNS #34 WIRE. 9/10/40 L-365749 T-7606307-6 NOV. 41 NOV. 41 SUB 3	CAY 30571	TBM-4,5,6	REACTOR 0.15 HENRY WITH 0.23 AMP DC; 12 VOLTS AC, 210 TURNS #15SCCE, 0.32 OHMS DC. 9/10/40 L-372113 T-7606307-18 NOV. 41 NOV. 41 SUB 3
CAY 30559	TBM-4,5,6	MODULATION REACTOR 35 HENRIES WITH 0.27 AMP DC; 3000 TURNS #24SCCE; 105 OHMS DC. 9/10/40 L-365743 T-7606307-11 NOV. 41 NOV. 41 SUB 3	CAY 30565	TBM-4,5,6	INPUT TRANSFORMER 100 TO 5000 CYCLES; TURN RATIO PRI TO SEC: 1 TO 20. PRIMARY: 0.5 VOLTS TAPPED AT 0.31 VOLTS, 400 TURNS TAPPED AT 250 TURNS #30 ENAMEL WIRE, 17 OHMS TOTAL RESISTANCE. SECONDARY: 10 VOLTS, 8000 TURNS #40 ENAM. WIRE, CENTER-TAPPED. 9/10/40 L-365750 T-7606307-5 NOV. 41 NOV. 41 SUB 3	CAY 30572	TBM-6	TRANSFORMER 0.172 KVA, 25 CYCLES; PRIMARY: 200/140/100/70 VOLTS, 1.3 AMPS; SEC #1: 20.6 VOLTS, 1.2 AMP TAPPED AT 18.91 VOLTS, 16.76 V & 0.86 VOLTS, 0.305 OHMS DC. SEC #2: 10.2 VOLTS, 10 AMP TAPPED, 0.066 OHMS DC; SEC #3: 2.55 VOLTS, 5 AMP 9/10/40 L-372118 T-7606307-17 NOV. 41 NOV. 41 SUB 3
CAY 30560	TBM-4,5,6	TRANSFORMER 0.01 KVA, 100 TO 5000 CYCLES. PRIMARY: 255 VOLTS, 0.045 AMP, 1500 TURNS #23SCCE, CT, 100 OHMS DC. SEC #1: 127 VOLTS, 0.08 AMP, 750 TURNS #29SCCE, CT, 61 OHMS DC. SEC #2: 75 VOLTS, 0 AMP, 440 TURNS #29SCCE, CT, 30 OHMS DC. 9/10/40 L-365744 T-7606307-10 NOV. 41 NOV. 41 SUB 3	2700 OHMS DC TAPPED AT 1300 OHMS.	30565	CT, 0.04 OHMS DC; SEC #4: 6.4 VOLTS, 3.3 AMPS, CT, 0.142 OHMS DC; SEC #5: 25 VOLTS, 0.3 AMP, 1.6 OHMS DC. 9/10/40 L-365751 T-7606307-7 NOV. 41 NOV. 41 SUB 3	CDE 30573	CXX	IMPEDANCE ADAPTER TO MATCH IMPEDANCE BETWEEN RU SERIES RECEIVERS AND RL SERIES INTERPHONES. WASHINGTON INSTITUTE OF TECHNOLOGY DWG., (B SEE BELOW) 10/3/40 2294 REV 2 NOV. 41
SEC #3: 10 VOLTS, 0 AMP, 60 TURNS #29SCCE, 4.5 OHMS DC.		30560	CAY 30566	TBM-4,5,6	REACTOR 10 HENRIES WITH 0.02 AMP DC, 40 VOLTS AC; 4400 TURNS #36E; 625 OHMS DC. 9/10/40 L-365751 T-7606307-7 NOV. 41 NOV. 41 SUB 3			
CAY 30561	TBM-4,5,6	FILAMENT TRANSFORMER 0.172 KVA; 60 CYCLES; PRIMARY: 200/140/100/70 VOLTS, 1 AMP, 4.9 OHMS DC; SEC #1: 20.6 VOLTS, 1.2 AMP TAPPED AT 18.9, 16.75 AND 0.85 VOLTS, 0.200 OHMS DC; SEC #2: 10.2 VOLTS, 10 AMPS TAPPED, 0.024 OHMS DC; SEC #3: 2.55 VOLTS. 9/10/40 L-365745 T-7606307-14 NOV. 41 NOV. 41 SUB 3	CAY 30567	TBM-4,5,6	REACTOR 1.6 HENRIES WITH ZERO AMP DC; 300 VOLTS AC; 1300 TURNS #32E TAPPED AT 1202-1/2 AND 48-1/2 TURNS; 55 OHMS DC TAPPED AT 51 AND 2 OHMS. 9/10/40 L-365752 T-7606307-4 NOV. 41 NOV. 41 SUB 3	CAT 30574	TBT	POWER TRANSFORMER 250 VA; PRIMARY: 220/440 VOLTS, SINGLE PHASE, 60 CYCLES, SECONDARY: 110 VOLTS. 10/8/40 S-44642 REV 0 NOV. 41
5 AMPS TAPPED AT 1.7 VOLTS, 0.018 OHMS DC; SEC #4: 6.4 VOLTS, 3.5 AMPS TAPPED AT 3.4 VOLTS, 0.048 OHMS DC; SEC #5: 25 VOLTS, 0.3 AMP, 0.55 OHMS DC.		30561	CAY 30568	TBM-4,5,6	REACTOR 30 HENRIES WITH 0.07 AMP DC, 220 VOLTS AC; 3600 TURNS #29SCCE; 210 OHMS DC; 100 TO 5000 CYCLES. 9/10/40 L-365753 T-7606307-13 NOV. 41 NOV. 41 SUB 3	CG-30575	TAQ-9	FILAMENT TRANSFORMER PRIMARY: TWO COILS 100/200 VOLTS; 5.96/2.48 AMPS; 0.128/0.513 OHMS DC; 0.550 KVA, 60 CYCLES; SEC #1: 10 VOLTS CT, 5 AMPS 0.0205 OHMS DC; SEC #2: 10 VOLTS CT, 5 AMPS, 0.0203 OHMS DC, SEC #3: 11 VOLTS CT, 15.5 AMPS 0.007 OHMS DC; 10/14/40 675640 M-7464337-1 NOV. 41 NOV. 41 REV 2
CAY 30562	TBM-4,5,6	REACTOR 0.067 HENRY WITH 0.7 AMP DC; 12 VOLTS AC, 210 TURNS #15SCCE, 0.32 OHMS DC. 9/10/40 L-365747 T-7606307-12 NOV. 41 NOV. 41 SUB 3	CAY 30569	TBM-4,5,6	REACTOR 60 MILLIHENRIES, 0.18 AMP DC, 220 VOLTS AC; 500 TURNS #29SCCE CENTER TAPPED, 10 OHMS TAPPED AT 5 OHMS DC. 9/10/40 L-365754 T-7606307-8 NOV. 41 NOV. 41 SUB 3			SEC #4: 11 VOLTS CT, 17 AMPS, 0.0067 OHMS DC, 750 VOLTS RMS TEST. ELECTRICALLY EQUIVALENT TO 30477.
CAY 30563	TBM-4,5,6	MICROPHONE LINE TRANSFORMER. 100 TO 5000 CYCLES; PRIMARY: 0.1 VOLTS, 5.8 OHMS DC, 400 TURNS; SECONDARY: 0.32 VOLTS, 62 OHMS DC, 1280 TURNS; TURN RATIO PRIMARY TO SECONDARY 1 TO 3.2. 9/10/40 L-365748 T-7606307-2 NOV. 41 NOV. 41 SUB 3	CAY 30570	TBM-4,5,6	TRANSFORMER - FOR VOICE RELAY. 100 TO 5000 CYCLES; PRIMARY: 50 VOLTS, 900 TURNS #30 WIRE, 35 OHMS DC; SECONDARY: 500 VOLTS, 9150 TURNS #40 WIRE, 5000 OHMS DC. 9/10/40 L-365779 T-7606307-15 NOV. 41 NOV. 41 SUB 3	CG-30576	TAQ-9	FILAMENT TRANSFORMER PRIMARY: TWO COILS 100/200 VOLTS; 0.636/0.318 AMPS, 3.7/14.9 OHMS DC. 0.060 KVA, 60 CYCLES. SEC: 10 VOLTS CT; 5 AMPS, 0.0634 OHMS DC, 0.05 KVA, 750 VOLTS RMS TEST. ELECTRICALLY EQUAL TO 30478. 10/14/40 676641 M-7464838-1 NOV. 41 NOV. 41 REV 2

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NAVSHIPS 900.109

Class 30—Transformers and Reactors

3.30-29

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
RANGE: 100 TO 4000 CYCLES PER SEC.		CKT30594	CG-30600	TBC-3	AUTO TRANSFORMER TAPPED PRI., 115/230 V; 25 CY. 4.58/2.29 AMP. 3.5 OHMS DC. 2500 VOLTS AC TEST. 500 VOLT AMPS, SIMILAR TO 30457 EXCEPT FOR 25 CYCLE OPERATION.	CG-30608	TBC-3	FILAMENT TRANSFORMER PRIMARY: 3 COILS. 340 VOLTS (DELTA), 25 CYCLES, 3.72 AMPS, 0.927 OHMS DC, 2500 VOLTS AC TEST. SECONDARY: 3 COILS, 17.5 VOLTS (YZ), 126.5 AMP, 0.0009 OHMS DC, 5000 VOLTS AC TEST. RATED: 3.8 KVA. SECONDARIES 30° CCM PHASE ROTATION.
			12/18/40	64 G 567	K-7878307	12/18/40	67C534	K-5805463 CE
			NOV. 41		REV 1	NOV. 41		REV 0
CG-30595	TBC-3	STEP DOWN TRANSFORMER 10 KVA, SINGLE PHASE, 25 CYCLES; TAPPED PRIMARY 440/460 VOLTS, 24.4/23.45 AMP., 0.088 OHMS DC; SECONDARY 2 COILS 115/230 VOLTS; 87/43.5 AMPS, 0.0209 OHMS; EACH WINDING 4000 VOLTS RMS TEST.	CG 30601	TBC-3	FILAMENT TRANSFORMER: PRIMARY 2 COILS, 115/230 VOLTS, 25 CYCLES .30067/1503 AMP, 73.53 OHMS DC FOR TWO COILS IN SERIES, 2500 V AC TEST. SEC. 2.89/1.44 V CT, 10 A, .02396 OHMS DC, 2500 V AC TEST. RATINGS SAME AS 30427 EXCEPT 25 CY. OPERATION. RATED .0288 KVA			RATINGS SAME AS 30454 EXCEPT FOR 25 CYCLE OPERATION.
11/28/40	60C373	K-5853534AV	12/18/40	67 G 450	K-5805470LM			
NOV. 41		REV 0	NOV. 41		REV 0			
CG-30596	TBC-3	EXCITER PA PLATE TRANSFORMER. PRIMARY: 6.3 KVA, 3 COILS, 440 VOLTS, 3 PHASE (DELTA), 25 CYCLES; 4.73 AMP; 0.646, 0.390 & 0.379 OHMS DC; 4000 VOLTS RMS TEST; SECONDARY: 5.85 KVA 3 SIMILAR COILS 1.082 AMP (YZ), 18.1 OHMS DC, 10,000 VOLTS RMS TEST.	CG-30602	TBC-3	REACTOR 1 HENRY MEASURED AT 605 VOLTS, 150 CYCLES, 7.5 AMP DC, 2.50 OHMS DC. RESISTANCE FOR COILS IN SERIES. 24000 VOLTS AC TEST.	CG-30609	TBC-3	FILAMENT TRANSFORMER SAME AS CG-30608 EXCEPT SECONDARIES CONNECTED TO GIVE 30° CLOCKWISE PHASE ROTATION. RATINGS SAME AS 30455 EXCEPT FOR 25 CYCLE OPERATION.
11/28/40	67C545	K-5805855AY	12/18/40	67 G 518	K-5805470 LS	12/18/40	67C555	K-5805463 CF
NOV. 41		REV 1	NOV. 41		REV 0	NOV. 41		REV 0
CG-30597	TBC-3	MAIN PLATE TRANSFORMER 124 KVA, 3 PHASE, 25 CYCLES, PRIMARY 440 VOLTS, 162.5 AMP, DELTA CONNECTED. SECONDARY 11670 VOLTS, 6.12 AMP, WYE CONNECTED. HAS TAPS FOR 11670, 10550 9400, 8270, 7140, AND 4980 VOLTS. W UL-6313789-G1 AND WS-52370C6-G1. 11/23/40 TYPE HT FORM R P-7262971 REV 1 APR. 42 SEE ABOVE	CG-30603	TBC-3	REACTOR 0.5 HENRIES MEASURED AT 78 VOLTS, 150 CYCLES, 7.5 AMP DC, 1.50 OHMS DC RESISTANCE FOR COILS IN SERIES. 24000 VOLTS AC TEST.	CG-30610	TBC-3	REACTOR 3.0 HENRIES MEASURED AT 57 VOLTS, 50 CYCLES, 0.10 AMP DC. 60 OHMS DC RES. 1700 VOLTS AC TEST.
			12/18/40	67 G 519	K-5805470 LK	12/18/40	67C536	K-5805470 LM
			NOV. 41		REV 0	NOV. 41		REV 0
CG-30598	ZA	IMPEDANCE ADAPTER WITH MOUNTING BASE. USE TO MATCH IMPEDANCE BETWEEN AN RU SERIES RECEIVER AND AN RL SERIES INTERPHONE. ELECTRICALLY AND MECHANICALLY INTERCHANGEABLE AS A UNIT WITH TYPE -30573. G WASH. INST. OF TECH. DWG 2294 REV 2 11/30/40 U SEE ABOVE	CG-30604	TBC-3	FILAMENT TRANSFORMER PRIMARY: 2 COIL, 115/230 VOLTS, 25 CYCLES, 0.90/0.45 AMPS, 12.54 OHMS DC WITH 2 COILS IN SERIES. SEC: 5.75/2.875 V AC CT, 18 AMP, 0.0155 OHMS DC. 37000 V AC TEST. RATED 103.5 VA. RATINGS SAME AS 30433 EXCEPT 25 CYCLE OPERATION.	CG-30611	TBC-3	REACTOR 1.25 HENRIES MEASURED AT 135 VOLTS, 150 CYCLES, 1.5 AMP DC. 8 OHMS DC RES. 4500 VOLTS AC TEST.
			12/18/40	67 G 530	K-5805459 AZ	12/18/40	67C537	K-5805470 LV
			NOV. 41		REV 2	NOV. 41		REV 1
CG-30598A	ZA & ZA-1	IMPEDANCE ADAPTER: SAME AS CG-30598 EXCEPT FOR ADDITION OF 2 SINGLE TERMINAL CABLE RECEPTACLES TO MAKE POSSIBLE THE REMOVAL OF THE CABLES CONNECTING THE IMPEDANCE ADAPTER TO THE RU RECEIVER AND THE CGE-62025-A JUNCTION BOX.	CG-30605	TBC-3	PLATE TRANSFORMER PRI: 210 V, 25 CY, 7.25 A, 0.1909 OHMS DC, 2800 V AC TEST. SEC: 2400/1200 V, 0.885 AMP, 25.85 OHMS DC RESISTANCE FOR TOTAL WINDING, 6000 VOLTS AC TEST. PRI. 1.5 KVA. SEC. 2.12 KVA. RATINGS SAME AS 30434 EXCEPT FOR 25 CYCLE OPERATION.	CG-30612	TBC-3	REACTOR 8 HENRIES MEASURED AT 400 VOLTS, 75 CYCLES, 0.4 AMPS DC. 60 OHMS DC RES. 8000 VOLTS AC TEST.
			12/18/40	67 G 531	K-5805470 LT	12/18/40	67C538	K-5805470 LN
			AUG. 43		REV 1	NOV. 41		REV 0
CG-30599	TBA-4	FILAMENT TRANSFORMER PRI: 2 COILS 100/200 VOLTS, 1.577/785 AMP, 60 CYCLES; 3.80 OHMS DC; SEC #1: 590/295 VOLTS, 0.17 AMP, 53.4 OHMS DC; SEC #2: 5/2.5 VOLT, 3 AMP, 0.0307 OHMS DC; SEC #3: 6.3/3.15 VOLTS, 1.8 AMP; 0.0609 OHMS DC; ALL WINDINGS 2500 VOLTS	CG-30606	TBC-3	FILAMENT TRANSFORMER PRI: 2 COILS, 115/230 V, 25 CY, 0.50 A, 10.12 OHMS DC FOR 2 COILS IN SERIES. 2500 V AC TEST. SEC: 5.75/2.875 V, 20 AMPS, 0.01504 OHMS DC. 16000 V AC TEST. RATED 115 V AMP. RATINGS SAME AS 30435 EXCEPT FOR 25 CYCLE OPERATION.	CG-30613	TBC-3	REACTOR 0.4 HENRIES MEASURED AT 2 VOLTS, 75 CYCLES, 1.5 AMPS DC. 3 OHMS DC RES. 4200 VOLTS AC TEST.
			12/18/41	67 G 584	K-5805470 KS	12/18/40	67C539	K-5805470 LL
			NOV. 41		REV 0	NOV. 41		REV 0
RMS TEST. RATED 0.1263 KVA.		CG-30599	CG-30607	TBC-3	REACTOR 10 HENRIES MEASURED AT 475 VOLTS, 50 CYCLES, 1 AMP DC, 25 OHMS DC RESISTANCE. 2500 VOLTS AC TEST.			
			12/18/40	67 G 533	K-5805470 LR			
			NOV. 41		REV 1			

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED
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NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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RATINGS SAME AS 30428 EXCEPT FOR 25 CYCLE OPERATION. **CC-30614**

CC-30619 TBC-3
FILAMENT TRANSFORMER
PRIMARY: 2 COILS 115/230 VOLTS, 25 CYCLES, 1.56/0.78 AMP, 84.7 OHMS DC FOR TWO COILS IN SERIES. 1500 VOLT AC TEST. SEC #1: 14.5/7.25 VOLTS, 0.70 AMP, 1.334 OHMS DC; SEC #2: 7.25/3.625 VOLTS, 0.50 AMP, 0.88 OHMS DC, 2500 VOLT
12/18/40 670546 K-5805470LM
NOV. 41 REV 1

CG 30625 TBC-3
INSULATING TRANSFORMER:
PRIMARY 2 COILS, 115/230 VOLTS, 25 CYC., .20/.10 AMP, 71.9 OHMS DC FOR 2 COILS IN SERIES. 2500 VOLTS AC TEST. SECONDARY 115 VOLTS CT., 10 AMP, 48.6 OHMS DC, 2500 VOLTS AC TEST. RATED 11.5 VA. RATINGS SAME AS 30456 EXCEPT FOR 25 CYCLES.
12/18/40 670552 K-5805470 LF
NOV. 41 REV 1

CC-30615 TBC-3
FILAMENT TRANSFORMER
PRIMARY: 2 COILS, 115/230 VOLTS, 25 CYCLES, 0.272/0.136 AMPS, 69.7 OHMS DC RESISTANCE FOR 2 COILS IN SERIES, 2500 VOLTS AC TEST. SECONDARY: 2.88/1.44 VOLTS, 10 AMPS, 0.0183 OHMS DC, 16,000 VOLTS AC TEST. RATED 28.8 VA. RATINGS
12/18/40 670542 K-5805459 AY
NOV. 41 REV 2

AC TEST. RATED 137.7 VA. **30619**
RATINGS SAME AS 30431 EXCEPT FOR 25 CYCLE OPERATION.

CAY 30626 GP-6
MICROPHONE TRANSFORMER
FREQ: 300 TO 3000 CYCLES. PRIMARY/SEC., 25/5700 OHMS DC, 3/31.5 VOLTS, 100/0 MILLIAMPS, 950/10000 TOTAL TURNS, #30/#42 ENAMELED WIRE. PRIMARY INDUCTANCE 450 MILLIHENRIES. TURNS RATIO: 1/10.5 IMPEDANCE RATIO: 100 OHMS TO OPEN GRID.
12/19/40 L-372185 P-7705670-11
NOV. 41 REV 8

SAME AS 30429 EXCEPT FOR 25 CYCLE OPERATION. **CC-30615**

CC-30620 TBC-3
FILAMENT TRANSFORMER
PRIMARY: 2 COILS, 115/230 VOLTS, 25 CYCLES, 0.0752 AMP, 82.8 OHMS DC WITH 2 COILS IN SERIES, 1500 V AC TEST. SECONDARY: 7.25/3.625 VOLTS, 1.8 AMPS, 0.2605 OHMS DC, 2500 VOLTS AC TEST. RATINGS SAME AS 30432 EXCEPT FOR 25 CY.
12/18/40 670547 K-5805470LU
NOV. 41 REV 1

CAY 30627 GP-6
MODULATION TRANSFORMER
FREQ: 300 TO 3000 CYCLES. PRIMARY: 25 MA, 4750 TURNS #38 ENAMEL WIRE, INPUT 147 VOLTS. SECONDARY #1: 130 MA, 260 TURNS #26 ENAMEL WIRE, 8 VOLTS. SEC #2: 5 MA, 3400 TURNS TAPPED AT 1000 AND 1700 TURNS, #40 ENAMEL WIRE, 150 VOLTS.
12/19/40 L-372186 P-7705670-11
NOV. 41 REV 8

CC-30616 TBC-3
PLATE TRANSFORMER
PRIMARY: 2 COILS, 115/230 VOLTS, 25 CYCLES, 0.2716/0.1358 AMP, 3.15 OHMS DC FOR 2 COILS IN SERIES. 2500 V AC TEST. SECONDARY: 1240/620-1180/590-1120/560 VOLTS, TAPPED WINDING, 0.339 AMP, 88.2 OHMS DC RESISTANCE. 4000 VOLTS AC TEST.
12/18/40 670543 K-5805470 LG
NOV. 41 REV 1

CC-30621 TBC-3
FILAMENT TRANSFORMER
154 VA, 25 CYCLES. PRIMARY: 2 COILS 115/230 VOLTS, 1.492/0.746 AMPS, 6.44 OHMS DC FOR 2 COILS IN SERIES 2500 VOLTS AC TEST. SECONDARIES: 11.5/5.75 - 11.5/5.75 - 14.5/7.25 - 14.5/7.25 - 14.5/7.25 VOLTS, 6.5/3.25/1.4/0.7/0.7 AMP,
12/18/40 670548 K-5805470LJ
NOV. 41 REV 0

PRIMARY INDUCTANCE 5 HENRY. **30627**
TURNS RATIO 18.3/1/13.1. IMPEDANCE RATIO 4800/125/20000 OHMS.

RATED: 282 VA ON PRIMARY, **CC-30616**
400 VA ON SECONDARY. RATINGS SAME AS 30438 EXCEPT FOR 25 CYCLES.

0.04/0.0834/0.243/0.531/0.531 **30621**
OHMS DC, ALL 2500 VOLT AC TEST. RATINGS SAME AS 30436 EXCEPT FOR 25 CYCLES.

CAY 30628 TBW
PLATE TRANSFORMER
PRIMARY: 120 VOLTS, 1.23 AMP. RATED 133 VA. SECONDARIES: 8/50/525/525 VOLTS, 0/0.005/0.2/0.2 AMP. 50/2/0.15/0.15 OHMS. FREQ. LIMIT 800 CYCLES.

1/30/41 L-365720 P-7706512-2
NOV. 41 REV 8

CC-30617 TBC-3
FILAMENT TRANSFORMER
395 VA, 25 CYCLES. PRIMARY: 2 COILS 115/230 VOLTS, 3.53/1.765 AMP, 2.29 OHMS DC FOR 2 COILS IN SERIES. SECONDARY #1: 5.75/2.875 VOLTS, 30 AMP, 0.00526 OHMS DC. SECS # 2, 3, 4, 5.75/2.875 VOLTS, 10 AMP, 0.0179 OHMS DC, SEC #5,
12/18/40 670544 K-5805459BB
NOV. 41 REV 1

CC 30622 TBC-3
FILAMENT TRANSFORMER:
PRIMARY 2 COILS, 115/230 VOLTS, 25 CYCLES 13.25/6.87 AMPS, .1721 OHMS DC, 2500 V AC TEST. TWO SECONDARIES EACH, 13.4/6.9 VOLTS, 51 AMPS, .00333 OHMS DC, 2500 V AC TEST. RATED 1.364 KVA. RATINGS SAME AS 30437 EXCEPT FOR 25 CYCLE OPERATION.
12/18/40 670549 K-5805470LF
NOV. 41 REV 1

CAY 30629 TBW, TBW-1
FILAMENT TRANSFORMER
PRIMARY: 103 VOLTS AT 2.0 AMP. RATED 201 VA. SECONDARIES: 2.5/5/7.5/8/7.5/2.5/10.4 VOLTS, 10.0/3.0/2.15/1.4/1.4/2.5/ 10 A, 0.008/0.02/0.03/0.052/0.052/0.012/0.016 OHMS. FREQ LIMIT 800 CYCLES

1/30/41 L-36572 P-7706935-1
NOV. 41 REV 3

5.75/2.875 VOLTS, 0.03 AMP, **CC-30617**
1.273 OHMS DC. PRIMARY & SEC #5, 2500 V AC TEST, SECS 1, 2, 3, 4, 16000 VOLT AC TEST. RATINGS SAME AS 30430 EXCEPT FOR 25 CYCLE OPERATION.

CC 30623 TBC-3
RECTIFIER TRANSFORMER:
PRIMARY 2 COILS, 115/230 VOLTS, 25 CYCLES .0358/.0179 A., 1669 OHMS DC RESISTANCE FOR 2 COILS IN SERIES, 1500 V AC TEST. SECONDARY 20 VOLTS, .05 AMP, 67.1 OHMS DC 1500 V AC TEST. RATED 1 VA. RATINGS SAME AS 30425 EXCEPT FOR 25 CYCLE OPERATION.
12/18/40 670550 K-5805471 CA
NOV. 41 REV 0

CAY 30630 TBW, TBW-1
AUDIO INPUT TRANSFORMER
FREQ. RANGE 200 TO 3500 CYCLES. PRIMARY/SECONDARY: 0.5/16 VOLTS, 400/12400 TURNS #30/#42 WIRE; 11/6900 OHMS. TURN RATIO 32 TO 1. INDUCTANCE IS 0.14 HENRY AT 60 CYCLES AND 80 MA.

1/30/41 L-365722 P-7705670-4
NOV. 41 REV 8

CC-30618 TBA-4
REACTOR
8 HENRIES WITH 0.230 AMP DC; 53 OHMS DC; 2500 VOLTS RMS TEST. INDUCTANCE MEASURED AT 125 VOLTS RMS, 120 CYCLES, AND 0.23 AMP DC.

CC-30624 TBC-3
FILAMENT TRANSFORMER
PRIMARY: 2 COILS 115/230 VOLTS, 25 CYCLES, 0.1626/0.0813 AMPS, 75.9 OHMS DC, 2500 V AC TEST. SECONDARY 14.5/7.25 VOLTS, 0.7 AMP, 1.234 OHMS DC, 2500 VOLTS AC TEST. RATED 10.15 VA. RATINGS SAME AS 30426 EXCEPT FOR 25 CY OPERATION
12/18/40 670551 K-5805470 LX
NOV. 41 REV 0

CAY 30631 TBW, TBW-1
PLATE TRANSFORMER
PRIMARY AND SECONDARY TAPPED TO FORM 2 PRIMARIES AND 2 SECONDARIES. RATED 400 VA. (PRIMARY TAPS ARE NOT FOR DIFFERENT PRIMARY VOLTAGES, BUT 120 VOLTS FIXED INPUT WITH VARIABLE OUTPUT) 120/120/1750/1750 VOLTS; 1.7/3.4/0.123/0.123 AMP;
1/30/41 L-365723 P-7706537-3
NOV. 41 REV 10

1/8/41 670585 K-5805470 KM
NOV. 41 REV 0

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DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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Class 30—Transformers and Reactors

3.30-31

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
72/81/1200/1200 TURNS OF #22/#18/#29/#29 WIRE; 0.6/0.3/78/78 OHMS DC. OPERATING FREQ. 600 TO 800 CYCLES.		30631	CRR 30637 LD-4			CNA 30644	* SEE BELOW	
			AUDIO OSCILLATOR TRANSFORMER. FREQUENCY RANGE: 500 TO 1000 CYCLES. PRIMARY 625 OHMS, SECONDARY: 250 OHMS. TURN RATIO 3 TO 1. 100 VOLTS MAXIMUM INDUCTANCE: PIES IN SERIES, 4.83 HENRIES. 3450/1150 TURNS #39E WIRE.			POWER TRANSFORMER		
			2/27/41 A27074		A-27074 REV 0	46 VA; PRI.: 115 VOLTS, 0.4 AMP, 60 CYCLES; SEC.: 400 CT / 5/6.3 VOLTS, 0.5 / 13/1.2 AMPS, 600 AND 2350/28/35 TURNS, 25 AND 35/13/16 WIRE, 9.5 AND 260-270/0.16/0.13 OHMS DC; ELECTROSTATIC SHIELD		
			NOV. 41			* CNA-49140 (RBE)		
						3/6/41 T7432C		C-695
						NOV. 41		11/14/40
20632 RAC-1 RW28AA117A			CG-30638 T8C-3			BEFORE PRI. AND SEC. BROUGHT TO TERMINAL "C". HAS LINE BYPASS BETWEEN TERMINALS 1 AND C, AND B+ & BYPASS BETWEEN 6 AND C. BYPASS CAPACITORS ARE 0.01 MFD. (481046-10) IN CASE.		
AF CHOKE			FILAMENT TRANSFORMER					
48.1 MILLIHENRIES AT 1000 CYCLES.			PRIMARY: 2 COILS; 220/440 VOLTS, 25 CYCLES. .0717/.0358 AMPS; 159 OHMS. SECONDARY: 115 VOLTS CT, 0.100 AMP, 43.5 OHMS. 2500 V AC TEST. RATED 0.0115 KVA.					
			2/28/41 67G831		K-5805470 NE			
			NOV. 41		REV 0			
CG-30633 TAJ-10			CNA 30639 CNA-50079(RBE)			CNA 30645 *SEE BELOW		
TAPPED REACTOR			POWER TRANSFORMER: PRIMARY			AUDIO TRANSFORMER		
0.116 HENRIES, 0.15 AMP DC, 1.0 AMP AC, 800 CYCLES. 5.5 OHMS DC RESISTANCE. INDUCTANCE MEASURED AT 67 VOLTS 60 CYCLES 0.15 AMP DC. TEST VOLTAGE 7000 RMS.			115 VOLTS, .45 AMP, 60 CYCLES, 52 VA, 600 TURNS #24 WIRE, 8 OHMS DC, SECONDARY 600 CT 5/6.3/6.3/6.3 VOLTS, .035/3/.7/9/1.2 AMPS, 3400/28/36/36/36 TURNS #35/#17/#21/#21/#21 WIRE, 775(400+375)/.12/.36/.4/.4 OHMS DC.			URNS RATIO: PRI. TO SEC. 1 TO 27.9. PRI. / SEC. 5000 CT / 13980 CT TURNS.		
			2/14/41 67G583		M-7465097-	35/740 WIRE, 53/6100 OHMS DC RESISTANCE EACH HALF OF PRI. 0.14 HENRIES UNLOADED, EACH SIDE OF SEC. 85 HENRIES UNLOADED.		
			NOV. 41		SUB 0	*CNA-49140 (RBE)		
						3/6/41 T602N		C-685
						NOV. 41		11/14/40
CG-30634 TAJ-10			CNA 30640 *SEE BELOW			CNA 30646 *SEE BELOW		
FILAMENT TRANSFORMER			PUSH - PULL AUDIO			AUDIO TRANSFORMER		
PRIMARY: 230/163/81 VOLTS, 1.03/1.39/2.79 AMP, 50/60 CYCLES, 0.1915 KVA OUTPUT. SECONDARIES 1 AND 2, 11 VOLTS CT, AT 3.25 AMP. SECONDARY #3, 12/6 VOLTS 10 AMP. TEST VOLTAGE 2500 V RMS.			TRANSFORMER. WORKS FROM 28000 OHMS TO 600 OHM LOAD. PRIMARY / SECONDARY: 5000 C.T. / 730 TURNS #33/#28 WIRE. 430/25 OHMS DC RESISTANCE. EACH HALF OF PRIMARY 10 HENRIES ± 20% UNLOADED;			URNS RATIO: PRI. TO SEC. 39 TO 1. PRI. / SEC. 3700 CT/95 TURNS, #37/#22 WIRE. 590/6 OHMS DC RESISTANCE. EACH SIDE OF PRI. 4 HENRIES UNLOADED, SEC. 0.016 HENRIES UNLOADED.		
			*CNA-50079 (RBE)			*CNA-49140 (RBE)		
			3/6/41 N600D		C-689	3/6/41 N-2905		C-689
			NOV. 41		11/14/40	NOV. 41		11/14/40
CG-30634A TAJ-11 & 13			SECONDARY 1 HENRY ± 20% UN- LOADED. TURNS RATIO: 6.85 TO 1.			CAY 30647 GO-9		
TRANSFORMER FILAMENT;						PLATE TRANSFORMER		
PRIMARY 230/163/81 VOLTS 50 TO 60 CYCLES 0.1915 KVA. SECONDARY #1: 12/6 VOLTS 3.25 AMP CT CURRENT .15 AMP. SECONDARY #2 SAME AS #1. SECONDARY #3: 13.1/6.55 VOLTS 10 AMP CT CURRENT 0.35 AMP.						PRI. 120 V, 3.5 A, 400 VA, 600 TO 800 CY., TWO TAPS. PRI: 170 TURNS TAPPED AT 43 AND 85 TURNS; 1.5 OHMS TAPPED AT 0.3 AND 0.7 OHMS; #22 WIRE. SEC. 3500 V CT, 2600 TURNS CT, 0.18 AMP, 180 OHMS CT, #29 WIRE. PRI. VOLTAGE ALWAYS 120 V, 3/27/41 L-392535		
						P-7706037-G2		
						NOV. 41		SUB 3
2/28/42 CAT 7466333								
APR. 42								
SECONDARY TEST VOLTAGE 2500 V RMS. SAME AS TYPE -30634 EXCEPT SECONDARY VOLTAGE IS INCREASED BY RATIO OF 12 TO 11.			CNA 30641 *SEE BELOW			TAPS ARE USED TO VARY SECONDARY VOLTAGE.		30647
			AUDIO TRANSFORMER					
			URNS RATIO: PRI. TO SEC. 1 TO 2. PRI. / SEC.: 5090/10190 CT TURNS #40/#40 WIRE 1600/4100 OHMS DC RESISTANCE. PRI. 70 HENRIES ± 20% UNLOADED. EACH HALF OF SEC. 70 HENRIES ± 20% UNLOADED.					
			* CNA-50079 (RBE)					
			3/6/41 N1283-AB		C-689			
			NOV. 41		11/14/40			
CG-30635 TAJ-10			CNA 30642 *SEE BELOW			CG-30648 TBA-6		
FILAMENT TRANSFORMER			AUDIO TRANSFORMER			TRANSFORMER - FILAMENT		
PRIMARY: 230/163/81 VOLTS, 0.254/0.360/0.723 AMP, 50/60 CYCLES, 0.038 KVA OUTPUT. SECONDARY: 11.7 VOLTS CT AT 3.25 AMP. TEST VOLTAGE 2500 V RMS.			URNS RATIO: PRI. TO SEC.: 1 TO 10.5. PRI. / SEC. 806/8114 CT TURNS #32/#40 WIRE. 40/3400 OHMS DC RESISTANCE. PRI. 1.5 HENRIES ± 20% UNLOADED. EACH HALF OF SEC. 27 HENRIES ± 20% UNLOADED.			PRIMARY: 70/140/200 VOLTS, 6.08/3.05/2.13 AMP, 60 CYCLES. 376 VA OUTPUT. SEC #1, 2, 3: 10/5 VOLTS, 5 AMP. SEC #4 10/5 VOLTS, 5 AMP. SEC #5: 12.6/6.3 VOLTS, 1.4 AMP. SEC #6: 12.6/6.3 VOLTS, 0.7 AMP. 2500 VOLT TEST RMS.		
			*CNA-50079 (RBE)			3/31/41 67G876		M-7465431 REV 0
			3/6/41 N6548		C-689	NOV. 41		
			NOV. 41		11/14/40			
2/14/41 67G622			CNA 30643 *SEE BELOW			CG-30649 TBA-6		
NOV. 41			FILTER CHOKE			TRANSFORMER		
			RATED 17 ± 20% HENRY AT 0.08 AMP DC. 5000 TURNS #31 WIRE, 300 OHMS DC RESISTANCE.			PRIMARY: 70/140/200 VOLTS, 0.324/0.162/0.114 AMPS, 60 CYCLES. 8.82 VA OUTPUT. SECONDARY: 12.6/6.3 VOLTS, 0.7 AMPS. 2500 VOLT TEST RMS.		
			* CNA-49140 (RBE)					
			3/6/41 J4375CD		C-684 DATED	3/31/41 67G877		M-7465430
			MAR. 42		11/11/40	NOV. 41		REV 0
2/27/41			ASSIGNED					
NOV. 41			ISSUED					
			DATE					
			MANUFACTURER'S DESIGNATION					
			MANUFACTURER'S DRAWING NUMBER					
			DATE					
			MANUFACTURER'S DESIGNATION					
			MANUFACTURER'S DRAWING NUMBER					

RESTRICTED

NAVSHIPS 900,109

3.30-32

Class 30—Transformers and Reactors

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION			
CG-30650 TCG REACTOR RATED AT 3.0 HENRIES AT 1.0 AMP DC AND 71 VOLTS RMS., 120 CYCLES AC. 13.5 OHMS DC RESISTANCE. 2500 VOLTS TEST.	3/31/41 NOV. 41	67G624	M-7465086-1 REV 1	CG-30657 TBX-2 REACTOR - FILTER RATED: 30/15 HENRIES AT 0.036 AMPS DC AND 57 VOLTS, 60 CYCLES AC. 1000 OHMS DC RESISTANCE. 1500 VOLTS RMS TEST.	3/31/41 NOV. 41	67G834	M-7465426-1 REV 3	CAT 30665 FA & FB REACTOR 15 HENRIES AT 0.25 MAX AMP DC; 112 OHMS DC.	4/23/41 AUG. 44	S-47738	CW:ESA-677127 ISSUE 8
CG-30651 TCG REACTOR RATED AT 10 HENRIES AT 0.285 AMPS DC & 500 VOLTS RMS., 120 CYCLES AC. 70 OHMS DC RESISTANCE. 2500 VOLTS TEST.	3/31/41 NOV. 41	67G625	M-7465087-1 REV 1	CG-30658 TBX-2 REACTOR - FILTER RATED: 0.009 HENRIES. AT 0.360 AMP DC & 1.62 VOLTS, 60 CYCLES AC. 1.028 OHMS DC RESISTANCE. 500 VOLTS RMS TEST.	3/31/41 NOV. 41	67G835	M-7465425-1 REV 1	CHM 30666 FA & FB LINE CHOKE 0.55 MILLIHENRIES ± 10%. 220 VOLTS, 60 CYCLES MAX., 2 AMPS MAX. DC RESISTANCE 0.6 OHMS ± 10%.	4/23/41 NOV. 41	7825-S	7825-2; 7860
CG-30652 TCG REACTOR RATED AT 5 HENRIES AT 0.10 AMPS DC AND 250 VOLTS RMS., 120 CYCLES AC. 65 OHMS DC RESISTANCE. 2500 VOLTS TEST.	3/31/41 NOV. 41	67G626	M-7465092-1 REV 1	CG-30659 TCG TRANSFORMER PRIMARY: 2 COILS 110/220 VOLTS, 60 CYCLES. SECONDARY #1: 110 VOLTS, 0.2 AMP. SEC #2: 6.3 VOLTS, 1.0 AMP. SEC #3: 50 VOLTS, 0.25 AMP. 1500 VOLTS TEST.	3/31/41 SEPT 43	67G872	M-7465467 REV 1	CAG 30667 FA & FB AUTOTRANSFORMER - VARIABLE. LOAD RATING 170 VA; RATED CURRENT 1 AMP; MAXIMUM CURRENT 1.5 AMP, INPUT 115 VOLTS, 60 CYCLES; OUTPUT 0 TO 135 VOLTS. NO LOAD LOSS 3 WATTS.	4/25/41 MAR. 44	200B	200-3D REV 6
CG-30653 TCG PLATE TRANSFORMER PRIMARY: 2 COILS 115/230 VOLTS, 1.56/0.780 AMPS, 60 CYCLES. SEC: 311/155.5 VOLTS, 0.707 AMPS. 1500 VOLTS TEST.	3/31/41 NOV. 41	67G627	M-7465090-1 REV 2	CG 30660 TCG SLEET MELTING TRANSFORMER: PRIMARY: 13,000 VOLTS, 3 PHASE 60 CYCLES SECONDARY: 2 COILS 2 PHASE. SEC #1: 1 PHASE, TO HAVE 1000 AMPS, FULL CURRENT TAPS FOR 132,154,176,194 AND 211 V. SEC #2: 1 PHASE TO HAVE 500 AMP FULL CURRENT TAPS FOR 350,410,468,516 AND 562 AMPS.	3/31/41 SEPT 43	KTQ2418	CG:M-8305559 REV 1	CAT 30668 FA & FB AUTOTRANSFORMER - VARIABLE LOAD RATING 1.30 KVA; RATED 10 AMPS; INPUT 115 TO 130 VOLTS, 50 TO 60 CYCLES. OUTPUT 0 TO 130 VOLTS.	4/25/41 NOV. 41	TH-10A	CW:ESL-677143 ISSUE 2
CG-30654 TCG FILAMENT TRANSFORMER PRIMARY: 2 COILS 100/200 VOLTS, 0.646/0.323 AMPS, 60 CYCLES. SEC #1: 2.5 VOLTS CT. AT 10 AMPS. SECS #2, 3; 2.5 VOLTS CT AT 5 AMPS. PRIMARY TEST 2500 VOLTS, SECONDARY TEST 4000 VOLTS.	3/31/41 NOV. 41	67G628	M-7465091-1 REV 2	CW 30661 FA & FB NONLINEAR INDUCTANCE: .08 (±.05) HENRIES WITH .5 MA AT 4000 CYCLES, EFFECTIVE RESISTANCE 1000 OHMS AT 4000 CYCLES. DC RESISTANCE IS 6 OHMS.	4/23/41 JUNE 42	D155016	CW:ESO-630393 ISSUE 2	CAT 30669 FA & FB AUTO-TRANSFORMER VARIABLE: LOAD RATING 2 KVA, RATED 17.4 AMP INPUT 90 TO 130 V 50 TO 60 CYCLES, OUTPUT FIXED AT 115 V 17.4 AMP MAX.	4/25/41 AUG. 43	ESL-677142 28323	ISSUE 5; CAT:S-47254 SEE ABOVE
CG-30655 TCG PLATE TRANSFORMER PRIMARY: 3 COILS, 230 VOLTS, 3 PHASE, 60 CYCLE DELTA, 7.24 AMP PER PHASE. PRI. TAPPED TO GIVE 50-64-78-90-100-110 & SECONDARY VOLTS. SECONDARY 1540 VOLTS LINE TO LINE, 890 VOLTS LEG, WYE CONNECTED, 1.86 AMPS PER PHASE. PRIMARY 3/31/41 67G629 SEPT 43	3/31/41 SEPT 43	67G629	M-7465479-1 REV 8	CW-30662 FA & FB INDUCTANCE 0.1 HENRY (±0.001 H) WITH 2 MA AT 1800 CYCLES; 6.2 OHMS DC; 7.5 OHMS EFFECTIVE.	4/23/41 NOV. 41	D159995	ESO-631209 ISSUE 1	CJE 30670 FA & FB PLATE TRANSFORMER PRIMARY: 825 VA, 115 VOLTS, 60 CYCLES; SECONDARY: 15,000 VOLTS CT; 60 MILLIAMPS	4/25/41 NOV. 41	721-411-003	10847 SUB 0
2500 VOLTS TEST SECONDARY 4400 VOLTS TEST.			30655	CAT 30663 FA & FB REACTOR 2.5 HENRIES AT 0.2 AMP DC, 30 OHMS DC RESISTANCE.	4/23/41 NOV. 41	S-48164	CW:ESL-677144	CAT 30671 FA & FB POWER TRANSFORMER 246/313 VA, .55 TO 65 CYCLES; PRIMARY: 115 VOLTS; SECONDARY #1: 1320 VOLTS, CT. AT 0.175 AMP; SEC #2: 6.4 VOLTS, CT. AT 2.7 AMPS; SEC #3: 2.55 VOLTS AT 1.75 AMP; SEC #4: 5.1 VOLTS, CT. AT 4 AMPS.	4/25/41 NOV. 41	S-47736	CW:ESL-677125 ISSUE 2
CG-30656 TBX-2 POWER TRANSFORMER PRIMARY: 115 VOLTS, 60 CYCLES, 0.231 AMPS. SEC #1: 402 VOLTS CT, 0.028 AMP. SEC #2: 5 VOLTS CT AT 3 AMP. SEC #3: 5 VOLTS TAPPED AT 3.6 VOLTS, 0.59 AMPS. 2000 VOLTS TEST FOR ALL WINDINGS EXCEPT SEC #1 WHICH IS 3000.	3/31/41 NOV. 41	67G833	K-7879707 REV 1	CAT 30664 FA & FB REACTOR 12 HENRIES AT 0.15 AMPS DC; 150 OHMS DC.	4/23/41 NOV. 41	S-47742	CW:ESL-677130 ISSUE 2	CAT 30672 FA & FB RE 30AA106 BIAS TRANSFORMER 9 VA; PRIMARY: 115 VOLTS, 55 TO 65 CYCLES; SECONDARY: 1200 VOLTS AT 7.5 MA.	4/25/41 DEC. 44	S-47737	CW:ESL-677126 ISSUE 2

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED
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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CAT 30673 FA & FB
FILAMENT TRANSFORMER
153 VA; PRIMARY: 115 VOLTS, 55 TO 65 CYCLES; SECONDARY: 5.1 VOLTS, CT AT 30 A

4/25/41 S-47740 CW:ESL-677128
NOV. 41 ISSUE 2

CAT 30674 FA & FB RE 30AA107
POWER TRANSFORMER
130/162 VA; PRIMARY: 115 VOLTS, 55 TO 65 CYCLES; SECONDARY #1: 1020 VOLTS, CT, AT 0.106 AMPS; SEC #2: 2.6 VOLTS, CT, AT 5 AMP; SEC #3: 6.35 VOLTS AT 4 AMPS; SEC #4: 5.1 VOLTS AT 3 AMPS.

4/25/41 S-47741 CW:ESL-677129
DEC. 44 ISSUE 2

CAT 30675 FA & FB
FILAMENT TRANSFORMER
17.9 VA; PRIMARY: 107-1/2 OR 115 VOLTS, 55 TO 65 CYCLES; SEC #1 & 2: 1.2 VOLTS, CT, AT 4.2 AMP; SEC #3: 2.10 VOLTS, CT, AT 3.65 AMP.

4/25/41 S-47743 CW:ESL-677131
NOV. 41 ISSUE 2

CAT 30676 FA & FB
FILAMENT TRANSFORMER
5 VA; PRIMARY: 115 VOLTS, 55 TO 65 CYCLES; SECONDARY: 5 VOLTS TAPPED AT 3.5, 4 AND 4.5 VOLTS. SECONDARY CURRENT 1.0 AMP.

4/25/41 S-48509 CW:ESL-677139
NOV. 41 ISSUE 2

CAT 30677 FA & FB
FILAMENT TRANSFORMER
50 VA; PRIMARY: 115 VOLTS, 50 TO 60 CYCLES, 2500 VOLT, 60 CYCLES RMS TEST; SECONDARY: 5 VOLTS, CT, AT 10 AMP, 25,000 VOLTS RMS 60 CYCLE TEST.

4/25/41 S-46960 CW:ESL-677140
NOV. 41 ISSUE 2

CW-30678 FA & FB
FILAMENT TRANSFORMER
75/55 VA. PRIMARY: 120 VOLTS, 60 CYCLES. SECONDARY: 5 VOLTS AT 11 AMP. SECONDARY: 5.6 VOLTS ± 0.2 VOLTS AT NO LOAD.

4/25/41 ESR-676330
NOV. 41 ISSUE 5

CRV 30679 NMB-1
POWER TRANSFORMER
PRIMARY: 117 VOLTS, 1.2 AMP, 60 CYCLES, 318 TURNS 0.032"E WIRE, 2.0 OHMS DC RESISTANCE. HIGH VOLTAGE SECONDARY 650 VOLTS CT AT 140 MA, 1860 TURNS 0.0126"E WIRE CT AT 930 TURNS, 97 OHMS DC TOTAL RESISTANCE. SEC #2: 6.4 VOLTS AT 5 AMP.
4/29/41 K-901149-501 W-303335-32
NOV. 41 REV 1

18 TURNS 0.0808"E WIRE. 30679
SECONDARY #3: 5 VOLTS AT 3 AMP, 15 TURNS 0.0359"E WIRE. ELECTROSTATIC SHIELD BETWEEN PRIMARY AND SECONDARIES.

CRV 30680 NMB-1
OUTPUT TRANSFORMER
TURNS RATIO: PRIMARY TO 240 VOLT, SEC IS 10.5 TO 1, PRIMARY TO 200 VOLT, SEC IS 12.4 TO 1. PRIMARY IMPEDANCE AT 3 VOLTS 60 CYCLES AND 0 AMP DC IS 2100 OHMS. PRIMARY 920 TURNS 0.0179E WIRE, 29.7 OHMS DC. SEC #1 / SEC #2 IS 88/88 TURNS
4/29/41 XT-3536-A K-901146-501
NOV. 41 REV 2

0.0453E WIRE, 0.52/0.37 OHMS 30680
DC. THE TWO SECONDARIES ARE IN MULTIPLE

CRV 30681 NMB-1
OUTPUT TRANSFORMER
TURN RATIO PRIMARY TO SEC: 6.16 TO 1. PRIMARY IMPEDANCE AT 3 VOLTS 60 CYCLES & 0 AMP DC IS 650 OHMS; 265 TURNS 0.0159E, 3.15 OHMS DC. SECONDARY IMPEDANCE IS 6.5 OHMS TAPPED AT 3 OHMS, 43 TURNS 0.0159E, 0.62 OHMS DC.
4/29/41 XT-3569 X-900998-502
NOV. 41 REV 8

CRV 30682 NMB-1
OUTPUT TRANSFORMER: TURNS RATIO: SEC TO PRI: 2.61 TO 1. PRI IMPEDANCE AT 3 VOLTS, 60 CYCLES & 0 AMP DC IS 2300 OHMS. PRIMARY WINDINGS ARE CONNECTED IN SERIES. EACH PRIMARY 540 TURNS .0056 E WIRE, 47.3 OHMS DC. SEC. 2820 TURNS .0056 E WIRE, 362 OHMS DC.
4/29/41 XT-3792 K-901150-501
NOV. 41 REV 2

CRV 30683 NMB-1
DRIVER TRANSFORMER
TURNS RATIO PRI TO SEC: 3 TO 1. PRI IMPEDANCE AT 1 VOLT, 60 CYCLES AND 0.010 AMP DC IS 350 OHMS. PRIMARY WINDINGS ARE CONNECTED IN MULTIPLE. EACH PRI WINDING IS 450 TURNS 0.0045-E WIRE. INNER PRIMARY 60.5 OHMS DC, OUTER PRI
4/29/41 XT-3795 K-901151-501
NOV. 41 REV 2

85.5 OHMS DC. SEC: 152 TURNS 30683
CT, 0.0159E WIRE, 1.92 OHMS DC.

CG-30684 * SEE BELOW
INSULATING TRANSFORMER
PRIMARY: 2 COILS, 110/220 VOLTS, 60 CYCLES. SECONDARY: 110 VOLTS, 0.227 AMPS, 0.025 KVA.

* TCM, TCN, TCU.
5/1/41 67C838 M-7465424
NOV. 41 REV 1

CG-30685 -22335(TCG)
CURRENT TRANSFORMER
RATIO 1200 TO 5 AMPS; 25 TO 125 CYCLES
NEMA CLASSIFICATION 5000 VOLTS 1/4X, 1/4Y, 1/2Z.

5/1/41 6X461(WC-15) DWG IN FILE
SEPT 43

CA-30686 TBM-6
FILAMENT TRANSFORMER:
STAND-BY. 2 PRIMARIES. USED IN SERIES OR PARALLEL FOR 200 OR 100 VOLTS, 25 CYCLES 35 VA. PRI #1/PRI #2= 100/100 VOLTS. #2=2 AMP, 17.5/20 OHMS DC, 605/605 TURNS #26 ENAMEL WIRE. SEC: 10.7 VOLTS CT, 3.25 AMPS. #1 OHMS DC, 70 TURNS #14 EN. WIRE.
5/5/41 L-382548 M-7405815
NOV. 41 SUB 3

CAT 30687 YB, YC-1
PLATE TRANSFORMER
PRIMARY: 115 VOLTS, 50/60 CYCLES, 1.08 AMP, 124 VA, 198 TURNS #20E WIRE, 1.53 OHMS DC. SECONDARY: 1000 VOLTS CT, 0.175 AMPERES, 175 VA, 1800 TURNS #28E WIRE, 106 OHMS DC. TURNS RATIO: 1 TO 9.1.
5/10/41 27606 S-45136
NOV. 41 11-3-39

CAT 30688 YB, YC-1
FILAMENT TRANSFORMER
PRIMARY: 115 VOLTS, 60 CYCLES, 1.84 AMP, 212 VA, 170 TURNS #18E WIRE. SECONDARIES: #1/#2/#3; 5.25 VOLTS CT AT 21 AMP/7.75 VOLTS CT AT 6.5 AMP/7.75 VOLTS CT AT 6.5 AMP, #11 SO. OCC #15E/#15E WIRE, 8/12/12 TURNS TOTAL.
5/10/41 29924 S-52050
NOV. 41

CW-30689 FB
REACTOR
15 HENRIES AT 100 MA WITH 20 VOLT AT 60 CYCLES ACROSS COIL. 265 OHMS DC RESISTANCE AVERAGE, 297 OHMS MAX.
5/15/41 SC-1005 ES-779510-L1
NOV. 41 MODIFIED

CW-30690 FB
REACTOR
12.8 HENRIES AT 250 MA WITH 75 VOLT AT 60 CYCLES ACROSS COIL. 101 OHMS DC RESISTANCE AVERAGE, 117 OHMS MAX.
5/15/41 SC1006 ES-779510-L2
NOV. 41 MODIFIED

CW-30691 FB
INPUT TRANSFORMER:
IMPEDANCE RATIO: 200 TO 30,000 OHMS. FREQ RANGE: 29.5 ± 1KC. PRIMARY CONSISTS OF 112 TURNS CT OF 2#34 GAUGE ENAMEL WIRE, 11 OHMS DC RESISTANCE. SECONDARY CONSISTS OF 2700 TURNS #39 GAUGE ENAMEL WIRE, 650 OHMS DC RESISTANCE. DISTORTION
5/15/41 CW:SI-1003 CW:ESA-654172
SEPT 43 CW:SO-1016 ISSUE 1

-40DB. CW-30691

CW-30692 FB
OUTPUT TRANSFORMER
50 TO 7000 CYCLES, 500:70,000 OHMS IMPEDANCE RATIO, SEC. CT ± 1% IMPEDANCE BAL. PRIMARY 27 OHMS DC RESISTANCE, SEC. 2760 OHMS DC RESISTANCE.

5/15/41 SO-1007
NOV. 41

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CW-30693 FB POWER TRANSFORMER PRIMARY: 115 VOLT, 60 CYCLES. #1 SEC. 1220 VOLT CT AT 100 MA. #2 SEC. 7.55 VOLT AT 2.5 AMP. #3 SEC. 2.6 VOLT CT AT 2.5 AMP. INSULATED FOR 1000 VOLT DC. PRIMARY: 152 VA, 130 WATTS, 1.32 AMP. SECONDARY LOAD 169 VA. 5/15/41 SP 1005 NOV. 41			CG-30701 FB POWER TRANSFORMER: FOR REPLACEMENT USE TYPE -30780 3 KVA PRIMARY 450 V SINGLE PHASE 60 CYCLES 126 TURNS .105" X .065 DCC WIRE IN 5 LAYERS OF 26 TURNS PER LAYER. FULL LOAD CURRENT RATING 6.67 AMP RESISTANCE AT 25° C 0.45 OHMS. SECONDARY 117 V FULL 5/15/41 6DC111 CG:K-535342 APR. 42 REV 0			CAT 30708 YC-1 FILAMENT TRANSFORMER 39 VA, 50 TO 60 CYCLES; PRIMARY RATED 115 VOLTS; SECONDARY #1: 6.3 VOLTS, CT. AT 3 AMPS; SEC. #2: 5 VOLTS, CT. AT 4 AMPS. 5/20/41 27607 S-45137 REV 0 NOV. 41		
CW-30694 FB POWER TRANSFORMER 222 VA PRIMARY: 115 VOLT, 60 CYCLES. #1 SEC. 1020 VOLT CT AT .25 AMP. #2 SEC. 5.1 VOLT AT 4 AMP. #3 SEC. 6.64 VOLT AT 1 AMP INSULATED FOR 300 VOLT DC. #4 SEC. 2.63 VOLT CT AT 7.5 AMP. INSULATED FOR 600 VOLT DC. PRI: 190 WATTS, 1.92 AMP. 5/15/41 CW:SP 1006 CW:ESL-574033 AUG. 43 CW:KS-8606 ISS 1 ISSUE 1			LOAD CURRENT RATING 25.6 CG-30701 AMP WOUND 33 TURNS OF .250 X .105" DCC WIRE IN 3 LAYERS OF 11 TURNS PER LAYER, RESISTANCE AT 25° C 0.03 OHMS. 5/15/41 APR. 42			CAT 30709 YB-1 FILAMENT TRANSFORMER 20 VA, 50 TO 60 CYCLES; PRIMARY RATED 115 VOLTS; SECONDARY RATED 6.3 VOLTS, CT. AT 3 AMPS. 5/20/41 27608 S-45138 REV 0 NOV. 41		
CW-30695 FB POWER TRANSFORMER 43 VA, PRIMARY: 115 VOLT, 60 CYCLES. SECONDARY: 1700 VOLT RMS AT 6 MA & TAPPED AT 2.5 VOLT RMS AT 2 AMP. PRIMARY 0.37 AMP, 25 WATTS. 5/15/41 CW:SP 1007 CW:ESL-574034 AUG. 43 CW:KS-8916 ISS 1 ISSUE 1			CJE 30702 FC PLATE TRANSFORMER 1000 VA, PRIMARY 115 V, 60 CYCLES. SECONDARY 18,000 V AT 45 MA CENTER TAP. (NOTE: CENTER TAP TO BE OPERATED NEAR GROUND POTENTIAL.) DUE TO FAILURES TYPE 30702 IS NOW REPLACED BY -30978 AND -301050. 5/17/41 721-411-004 CJE: AUG. 43 10847 ISSUE 4			CAT 30710 YC-1 CHOKER 10 HENRIES AT 0.16 AMP; 135 OHMS DC. 5/20/41 27609 S-45139 REV 0 NOV. 41		
CW-30696 FB FILAMENT TRANSFORMER 77 VA PRIMARY: 115 VOLT, 60 CYCLES. SEC: 6.73 VOLT AT 10 AMP. 5/15/41 CW:SP 1008 CW:ESL-574035 AUG. 43 CW:KS-8604 ISS 1 ISSUE 1			CAT 30703 YC-1 PLATE TRANSFORMER TWO PRIMARY AND TWO SECONDARY COILS FOR PARALLEL OR SERIES CONNECTIONS; PRIMARY RATED 620 VA, 115 OR 230 VOLTS, 50 TO 60 CYCLES; SECONDARY RATED: 880 VA; 1500 OR 3000 VOLTS. 5/20/41 27601 S-45131 REV. NOV. 41			CAT 30711 YC-1 FILAMENT TRANSFORMER 138.8 VA, 50 TO 60 CYCLES; PRIMARY RATED 115 VOLTS; SEC. #1: 11 VOLTS, CT. AT 10 AMPS; SEC. #2: 7.5 VOLTS, CT. AT 3 AMPS; SEC. #3: 6.3 VOLTS, CT. AT 1 AMP. 5/20/41 27610 S-45140 REV 2 NOV. 41		
CW-30697 FB FILAMENT TRANSFORMER 13.8 VA PRIMARY: 115 V, 60 CYCLES. SEC: 6.47 VOLT AT 1 AMP. SEC. INSULATED FOR 2100 VOLT DC. PRIMARY 0.12 AMP, 8.1 WATTS. 5/15/41 CW: SP 1009 CW:ESL-574036 AUG. 43 CW:KS-8604 ISS 1 ISSUE 1			CAT 30704 YC-1 PLATE TRANSFORMER TWO PRIMARY AND TWO TAPPED SECONDARY COILS FOR PARALLEL OR SERIES CONNECTIONS PRIMARY RATED 1.47 KVA, 50 TO 60 CYCLES, 115 OR 230 VOLTS; SECONDARY RATED 2.12 KVA, 3000/1500, 2700/1350, 2500/1250 VOLTS. 5/20/41 27602 S-45132 REV 0 NOV. 41			CAT 30712 YB-1 FILAMENT TRANSFORMER 30 VA, 50 TO 60 CYCLES; PRIMARY RATED 115 VOLTS; TWO SECONDARIES EACH RATED 5 VOLTS, CT AT 3 AMPS. 5/20/41 27611 S-45141 REV 0 NOV. 41		
CW-30698 FB FILAMENT TRANSFORMER 43.8 VA, PRIMARY: 115 V, 60 CYCLES. SEC: 6.74 VOLT AT 5 AMP. PRIMARY 0.38 AMP, 37.5 WATTS. 5/15/41 CW:SP 1010 CW:ESL-574036 AUG. 43 CW:KS-8605 ISS 1 ISSUE 1			CAT 30705 YC-1 FILAMENT TRANSFORMER 25 VA, 50 TO 60 CYCLES; PRIMARY RATED: 105/110/115/120 VOLTS; SECONDARY RATED: 2.5 VOLTS, CT. AT 10 AMPS. 5/20/41 27603 S-45133 REV 0 NOV. 41			CAT 30713 YC-1 & YD-1 PLATE TRANSFORMER PRIMARY RATED 74 VA, 50 TO 60 CYCLES, 115 VOLTS; SECONDARY RATED 105 VA, 700 VOLTS, CT. 5/20/41 27612 S-45142 REV 0 NOV. 41		
CW-30699 FB FILAMENT TRANSFORMER 13.2 VA, PRIMARY 115 V, 60 CYCLES. SEC. 2.63 V AT 2.5 AMP. SEC. INSULATED FOR 2000 V DC. PRIMARY 0.115 AMP, 8.1 WATTS. 5/15/41 CW:SP 1011 CW:ESL-574036 AUG. 43 CW: S-8609 ISS 1 ISSUE 1			CAT 30706 YC-1 CHOKER 14 HENRIES AT .25 AMP DC; 145 OHMS DC. 5/20/41 27604 S-45134 REV 0 NOV. 41			CAT 30714 YC-1 SWINGING CHOKER VARIES FROM 36 HENRIES AT 0.75 AMP DC TO 9 HENRIES AT 0.075 AMP DC. 70 OHMS DC RESISTANCE. 5/20/41 27613 S-45143 REV NOV. 41		
CW-30700 FB TRANSFORMER PRIMARY RESONATES AT 1640 CYCLES WITH 0.11 MF. 1:1 RATIO RESONANT IMPEDANCE - 5000 OHMS. COIL Q AT 1640 CYCLES = 5, SEC. CT ± 1% IMPEDANCE BAL., ELECTRO-STATIC SHIELD. 5/15/41 SR 1007 NOV. 41			CG-30707 YCG CURRENT TRANSFORMER RATIO 600 TO 5 AMPS, 25 TO 125 CYCLES; NEMA CLASSIFICATION 5000 VOLTS 1/4 X, 1/2 Y. 6/6/41 70X205 (JLF-3) DWG IN FILE SEPT 43			CAT 30715 YC-1 PLATE TRANSFORMER PRIMARY RATED 1.66 KVA, 50 TO 60 CYCLES, 115/230 VOLTS. SECONDARY RATED 2.34 KVA, 4730 VOLTS CT. 5/20/41 27814 S-45144 REV 0 NOV. 41		

Class 30—Transformers and Reactors

3.30-35

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CAT 30716	YB-1	FILAMENT TRANSFORMER PRIMARY RATED 25 VA, 105/110/115/120 VOLTS, 60 CYCLES. SECONDARY 2.5 VOLTS CT.	CAT 30724	YC-1 & YD-1	AUDIO TRANSFORMER PRIMARY: IMPEDANCE 5000 OHMS, 6 MA DC. SECONDARY: IMPEDANCE 10000 OHMS, 80 MA DC. FREQUENCY 1300 CYCLES. OPERATING LEVEL +45 VU.	CAY 30730	* SEE BELOW	REACTOR RATED 0.18 HENRY, 60 CYCLES. REACTANCE 43.3 OHMS TAPPED AT 30 OHMS, 3.3/2.0 OHMS DC RESISTANCE, 500/300 TURNS #21 ENAMEL.
5/20/41	27615	S-45145 REV 0	5/20/41	27623	S-45153 REV 4	5/27/41	L-382514	T-7607328-1
NOV. 41			NOV. 41			NOV. 41		SUB 1
CAT 30717	YC-1 & YD-1	FILAMENT TRANSFORMER PRIMARY RATED 50 VA, 105/110/115/120 VOLTS, 50 TO 60 CYCLES. SECONDARY 2.5 VOLTS CT.	CAT 30725	YB-1	FILAMENT TRANSFORMER PRIMARY 7 VA, 60 CYCLES, 115 VOLTS. SECONDARY 10 VOLTS.	CAY 30731	* SEE BELOW	REACTOR RATED 0.40 HENRY, 25 CYCLES. REACTANCE 29.4 OHMS TAPPED AT 22.7 OHMS, 3.5/2.1 OHMS DC RESISTANCE, 500/325 TURNS #20 ENAMEL.
5/20/41	27616	S-45146 REV 0	5/20/41	28332	S-47276 REV 0	5/27/41	L-382515	T-7607328-2
NOV. 41			NOV. 41			NOV. 41		SUB 1
CAT 30718	YC-1 & YD-1	OUTPUT TRANSFORMER PRIMARY: IMPEDANCE 25000 OHMS, 4 MA. SECONDARY: IMPEDANCE 500 OHMS. FREQUENCY RANGE: 90 TO 150 CYCLES. TURN RATIO 22.6 TO 1. OPERATING LEVEL +20 VU	CC-30726	TCO	CURRENT TRANSFORMER RATIO 250 TO 5 AMPS., 25 TO 125 CYCLES. NEMA CLASSIFICATION 5000 VOLTS, 1/4X, 1/4Y, 1/4Z.	CAY 30732	TBU-1,2,3	POWER TRANSFORMER: 540 VA, 25 CYCLES. PRIMARY 2 COILS. EACH COIL RATED 220 VOLTS, 1.37 AMPS, 450 TURNS #20 SVE WIRE, 6.82 OHMS DC. SECONDARY 2 COILS. EACH COIL RATED 110 VOLTS 2.54 AMPS, 244 TURNS #18 SVE WIRE, 1.83 OHMS DC.
5/20/41	27617	S-45147 REV 2	6/6/41	77X130	M-7464760-2	5/27/41	L-382516	T-7607328-10
NOV. 41			NOV. 41	9JHTHAX4	REV 1	NOV. 41		SUB 1
CAT 30719	YB-1	CHOKES RATED 14 HENRIES AT 0.150 AMP DC. DC RESISTANCE IS 180 OHMS.	CAT 30727	YC-1	SWINGING CHOKES RATED: 12.5 HENRIES AT 0.425 AMP DC TO 50 HENRIES AT 0.042 AMP DC. DC RESIST- ANCE 130 OHMS.	CAY 30733	* SEE BELOW	FILAMENT TRANSFORMER 50 VA, 25 CYCLES. PRIMARY 2 COILS WHICH CAN BE CONNECTED IN SERIES OR MULTIPLE FOR OPERATION FROM 70/100/140/200 VOLTS. EACH WINDING RATED 70/30 VOLTS, 0.32 AMP, 392/183 TURNS #26 ENAM, 11/5 OHMS * TBU, TBU-1, 2, 3.
5/20/41	27618	S-45148 REV 0	5/20/41	27600	S-45130 REV 1	5/27/41	L-382517	T-7607328-7
NOV. 41			NOV. 41			NOV. 41		SUB 1
CAT 30720	YC-1 & YD-1	POWER TRANSFORMER PRIMARY RATED 125 VA, 60 CYCLES, 115 VOLTS. SECONDARY RATED 160 VA, 750 VOLTS CT, 5 VOLTS CT, 6.3 VOLTS CT.	CAT 30728	* SEE BELOW	FILAMENT TRANSFORMER 6 VA, 60 CYCLES. PRIMARY 2 COILS WHICH CAN BE CONNECTED IN SERIES OR MULTIPLE FOR OPERATION FROM 70/100/140/200 VOLTS. EACH WINDING RATED 70/30 VOLTS, 0.045 AMPS, 535/230 TURNS #29 ENAM, 19.7/8.4 * TBU, TBU-1, 2, 3.	DC. SECONDARY 10 VOLTS CT	30733	AT 5 AMPS, 33 TURNS #14 ENAMEL, 0.134 OHMS DC.
5/20/41	27619	S-45149 REV 1	5/27/41	L-382510	CAY: T-7607328-3	NOV. 41		SUB 1
NOV. 41			AUG. 43	CAY:				
CAT 30721	YB-1	POWER TRANSFORMER PRIMARY RATED 180 VA, 60 CYCLES, 115 VOLTS. SECONDARY RATED 200 VA, 800 VOLTS CT, 5 VOLTS CT, 6.3 VOLTS CT.	OHMS DC. SECONDARY: 6.3	30728	VOLTS AT 0.9 AMPS, 52 TURNS #23 ENAM., 0.59 OHMS DC.	CAY 30734	* SEE BELOW	FILAMENT TRANSFORMER 275 VA, 25 CYCLES. PRIMARY 2 COILS WHICH CAN BE CONNECTED IN SERIES OR MULTIPLE FOR OPERATION FROM 70/100/140/ 200 VOLTS. EACH COIL 70/30 VOLTS, 1.55 AMP, 135/59 TURNS #18 ENAM, 0.82/0.35 * TBU, TBU-1, 2, 3.
6/20/41	27620	S-45150 REV 2	5/27/41	L-382518	T-7607328-9	NOV. 41		SUB 1
NOV. 41			NOV. 41					
CAT 30722	YC-1 & YD-1	OUTPUT TRANSFORMER PRIMARY: IMPEDANCE 20,000 OHMS, 7 MA DC. TWO SECONDARIES EACH 550 OHMS. FRE- QUENCY 1300 CYCLES. OPERATING LEVEL +25 VU.	CAY 30729	* SEE BELOW	FILAMENT TRANSFORMER 6 VA, 25 CYCLES. PRIMARY 2 COILS WHICH CAN BE CONNECTED IN SERIES OR MULTIPLE FOR OPERATION FROM 70/100/140/200 VOLTS. EACH WINDING RATED 70/30 VOLTS, 0.045 AMP, 560/240 TURNS #29 ENAM, 30/15 OHMS * TBU, TBU-1, 2, 3.	OHMS DC. SEC #1/SEC #2 &	30734	SEC #3: 11.2 CT/10.1CT/10.1 CT, VOLTS, 15.5/5/5 AMP. 23/20.5/20.5 TURNS #10 SCCE/#12 SCCE/#12 SCCE, 0.03/0.044/0.048 OHMS DC.
5/20/41	27621	S-45151 REV 0.	5/27/41	L-382511	CAY: T-7607328-4	NOV. 41		SUB 1
NOV. 41			AUG. 43	CAY:				
CAT 30723	YC-1 & YD-1	OUTPUT TRANSFORMER PRIMARY: IMPEDANCE 10000/15000 OHMS, 8 MA DC. SECONDARY 500 OHMS. FREQUENCY 1300 CYCLES. OPERATING LEVEL +26 VU.	DC. SECONDARY: 6.3 VOLTS AT	30729	0.9 AMP, 58 TURNS #23 ENAM., 0.93 OHMS DC.	CAY 30735	TBU-1,2,3	POWER TRANSFORMER: 540 VA, 60 CYCLES. PRIMARY 2 COILS. EACH COIL RATED 220 VOLTS, 1.37 AMPS, 230 TURNS #22 SVE, 4.8 OHMS DC. SECONDARY 2 COILS. EACH COIL RATED 110 VOLTS, 2.54 AMPS, 125 TURNS #20 SVE, 1.32 OHMS DC.
5/20/41	27622	S-45152 REV 0	5/27/41	L-365772	T-7607328-5	NOV. 41		SUB 1
NOV. 41			NOV. 41					

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CRV 30736 SD			OMMISSION OF KNOB AND POINTER. CANCELLED. REASSIGNED CAG-30740.			CG-30743 TCK		
POWER TRANSFORMER: PRIMARY 117 VOLTS, .2 AMP, 60 CYCLES. SECONDARY 2095 VOLTS AT .003 AMP, 2.5 VOLTS AT 2.1 AMPS, 2.5 VOLTS AT 1.75 AMPS. PRI./SEC./SEC./SEC. 430/7700/10/10 TURNS. .0126/.0031/.0359/.032 E WIRE. 12.7/5650/.066/.049 OHMS DC RESISTANCE. 6/2/41 XT-3812 CRV:K-901331 AUG. 42: REV 3						60 CYCLES. PRIMARY 70/140/100/120 VOLTS SECONDARY 10 VOLTS CT AT 10 AMPS, RATED 100 VA. SEC TEST VOLT. = 3 KV, RMS.	6/5/41 67C417 NOV. 41	M-7465624-1 REV 0
CRV 30737 SD			CAG 30740-B SL			CG-30744 TCK		
POWER TRANSFORMER: PRIMARY 117 VOLTS, .775 AMP, 60 CYCLES, 248 TURNS .0403 E WIRE, 1.12 OHMS DC RESISTANCE. SEC.#1/SEC.#2/SEC.#3. 718 CT/6.32/5 VOLTS, 1550 CT/14/11 TURNS .0142/2-0.0285/2-0.0285 E WIRE, 69.4/.039/.035 OHMS DC RESISTANCE. 6/2/41 XT-3817 CRV:K-901330 AUG. 42: REV 3			AUTOTRANSFORMER-VARIABLE INPUT 115/1/60. RATED 5 AMP (MAX. 7.5 AMP) 860 VA, 0 TO 135 VOLTS OUTPUT. SHAFT 3/8" DIAMETER, 6" LONG. DOES NOT INCLUDE KNOB AND POINTER. SAME AS CAG-30740, EXCEPT FOR LENGTH OF SHAFT.			OUTPUT TRANSFORMER PRIMARY FOR OPERATION FROM 9500 OHMS, 5 MA DC. SECONDARY LOAD 3000 OHMS TAPPED AT 220 OHMS, ZERO AMP DC. TURN RATIO PRIMARY TO SECONDARY 1.77 TO 6.60. FREQ. RANGE 50 TO 5000 CYCLES.	6/5/41 67C490 NOV. 41	M-7465623-1 REV 1
CRV 30738 SD			CAG 30740-C MK-13			CG-30745 TCK		
FILAMENT TRANSFORMER: PRIMARY 117 VOLTS, 3.25 AMPS, 50/60 CYCLES. SECONDARY 15 VOLTS CT AT 25 AMPS, PRIMARY 121 TURNS .0641 E WIRE, .313 OHM DC RESISTANCE. SECONDARY 16 TURNS .012 X 1-3/4 WIRE TAPPED AT 8 TURNS. .012 OHM DC RESISTANCE. 6/2/41 CRV:XT-3878 CRV:K-901349 AUG. 42: REV 4			AUTOTRANSFORMER-VARIABLE INPUT 115/1/60. RATED 5 AMP (MAX. 7.5 AMP) 860 VA, 0 TO 135 VOLTS OUTPUT. SHAFT 3/8" DIAMETER, 9 7/8" LONG. DOES NOT INCLUDE KNOB AND POINTER. SAME AS CAG-30740, EXCEPT FOR LENGTH OF SHAFT.			POWER TRANSFORMER 50/60 CYCLES. PRIMARY 81/162/110/220 VOLTS. SECONDARY: 20 VOLTS, 1.0 VA.	6/5/41 67C513 NOV. 41	M-7465622-1 REV 0
CRV 30739 SD			CAY 30741 SD			CG-30746 TCK		
POWER TRANSFORMER FIXED SECONDARY. 6250 TURNS 0.0071 E WIRE, 1755 OHMS DC OUTPUT VOLTAGES OF 5000/1000/900/800/700/600 V OBTAINED USING TAPPED PRIMARY WITH 117 V APPLIED TO TERMINALS 117-0/117-1/117-2/117-3/117-4/117-5. WINDING 117-0 IS 117 TURNS 6/2/41 XT-3893 CRV:K-901305 AUG. 42: REV 3			COMBINED PLATE AND FILAMENT TRANSFORMER: CONSISTS OF ONE PRIMARY WITH 5 TAPS. TERMINALS 2-3/3-4/4-5/5-6. 115/105/10/10 VOLTS, 254/698/67/67 TURNS #13 ENAM/#28 ENAM/#28 ENAM/#28 ENAM WIRE. .35/16/1.55/1.55 OHMS DC RESISTANCE. 6.5/2.0/2.0/2.0 AMPS. CON- 6/2/41 CAY:S980434 CRV:M-421643-1 AUG. 42: SUB 0			AUTO TRANSFORMER INPUT 81/110/162/220 VOLTS. 50/60 CYCLES OUTPUT 110 VOLTS, 2.28 AMP. 250 VA. TEST VOLTAGE 1500 VOLTS RMS.	6/5/41 67C586 NOV. 41	M-7465626-1 REV 0
CRV 30739			SISTS OF TWO SECONDARIES CAY 30741			CG-30747 TCK		
.0508 E WIRE. AVERAGE PRIMARY CURRENT IS 24 MA. WINDING 0 TO 5 IS 1050 TURNS .0159 E TAPPED AT 570/660/750/880 TURNS. AVERAGE SECONDARY CURRENT IS 10 MA.			(S1/S2). 17.0 KV/2.5 V .017/2 AMP, 36,400/19 TURNS OF #35/.051 X .102 DCC WIRE, 13,000/.03 OHMS DC RESISTANCE.			AUDIO INPUT TRANSFORMER PRIMARY LOAD 14,000 OHMS, PRIMARY CURRENT 40 MA. SECONDARY LOAD 2000 OHMS, SECONDARY CURRENT 4 MA. PRI/SEC TURN RATIO 2.5/1. FREQUENCY RANGE 200 TO 3000 CYCLES.	6/5/41 67C660 NOV. 41	M-7465620-1 REV 0
CAG 30740 CXAM&CXAM-1			CAY 30741A SD-3			CG-30748 TCK		
AUTO TRANSFORMER-VARIABLE: INPUT: 115 VOLTS. RATED 5 AMPS, 2.5 AMPS MAXIMUM. OUTPUT: VOLTAGE 0 TO 135 VOLTS. SHAFT 3/8" DIAMETER. DOES NOT INCLUDE DIAL SCALE OR KNOB; *CAG:200-4D REV 6 * CR:K-7880643-1 REVI 6/2/41 CAG:200-CU * SEE ABOVE MAY 45			COMBINED PLATE AND FILAMENT TRANSFORMER: PRIMARY TERMINALS 2.3.4.5. 6. TERMINALS 2 AND 3 ARE USED ON 115/1/60 AS PRIMARY FOR HIGH VOLTAGE SECTION; 254 TURNS #13 ENAMEL WIRE .35 OHMS DC RESISTANCE; 6.8 TO 6.2 AMPS. TERMINALS 3-4/3-5/3-6 ARE USED ON 105/115/125 V 9/4/42 CRV:M-421643-1 AUG. 43: SUB 3			MODULATION SIDE TONE TRANSFORMER - AUDIO TRANSFORMER. THREE WINDINGS. PRIMARY, SEC AND TERTIARY. PRIMARY FOR OPERATION FROM 70 OHM MICROPHONE, 100 MA. TERTIARY: FOR OPERATION FROM 500/200 OHM LINE, ZERO DC. SECONDARY LOAD 300,000 OHMS FOR GRID OF TUBE. 6/5/41 67C661 NOV. 41	M-7465621-1 REV 0	
CAG-30740			SINGLE PHASE, 60 CY AS CAY 30741A			ZERO DC. TURNS RATIOS: 30748		
294 TURNS OF #20E WIRE, 2.1Ω DC RES.			PRIMARY FOR FILAMENT SECTION; 698/765/832 TURNS #28 ENAM WIRE; 16/17.55/19.1 OHMS DC RESISTANCE; .2 AMP, HIGH VOLTAGE SECONDARY 15-18 KV, .02-.015 AMP; 36400 TURNS #35 ENAM WIRE, 13000 OHMS DC. FILAMENT SECONDARY 2.5 VOLTS AT 6 AMPS, 19 TURNS .051 X .102 DCC WIRE; .03 OHMS DC. SAME AS CAY-30741 EXCEPT TUBE SOCKET IS NOT SHOCK-MOUNTED.			PRI/SEC = 1/15; PRI/TERT = 1/3.33 OR 2.11.		
CAG 30740A SC-2			CG-30742 TCK			CG-30749 TCX		
AUTOTRANSFORMER-VARIABLE: INPUT 115/1/60. RATED 5 AMPS (MAX 7.5 AMPS), 860 VA, 0 TO 135 VOLTS OUTPUT. SHAFT 3/8" DIAMETER, EXTENDS 5-3/4" FROM REAR MOUNTING SURFACE OF UNIT. DOES NOT INCLUDE KNOB AND POINTER. SAME AS -30740 EXCEPT FOR SHAFT LENGTH AND 6/17/42 CAG:200-CU CG:K-7880643-1 OCT. 42 FORM 549-A REV 1			FILAMENT TRANSFORMER PRIMARY: 70/140/100/120 VOLTS, 60 CYCLES SEC #1/2/3/3/4 12.6 CT/6.3 CT/6.3CT/6.3 CT VOLTS; 0.7/0.9/1.5/1.5 AMP, RATED 33.4 VA. SEC. TEST VOLTAGE = 2.5 KV RMS			OUTPUT TRANSFORMER PRIMARY 20,000 OHMS, .008 AMP DC. SECONDARY 650,000 OHMS, .001 AMP DC. TERTIARY 300 OHMS, TURNS RATIO PRI/SEC:1/3.25, PRI/TERT:9.1/1. FREQUENCY 350 TO 3500 CY.	6/5/41 67C870 MAR. 43	K5905471 CW REV 0
			6/5/41 67C416 NOV. 41					

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CG-30750 TCC CURRENT TRANSFORMER RATIO 500 TO 5 AMPS., 25 TO 125 CYCLES. NERA CLASSIFICATION 5000 VOLTS, 1/4X, 1/4Y, 1/4Z.	6/16/41 NOV. 41	77X133 9JWH3A4	M-7464760-3 REV 1	CRV 30756 WEA REACTOR RATED 5 HENRIES AT 0.5 A DC. 1440 TURNS #.0226E WIRE, 33 OHMS DC RESISTANCE. IMPEDANCE 1500 OHMS AT 3 VOLTS, 60 CYCLES AND 0.5 AMP DC.	6/27/41 NOV. 41	XT-2228-B K-900140-502 SUB 4	RW-30762 OR-1 HYDROPHONE MATCHING TRANSFORMER. FOR MATCHING NAVY TYPE -51028 OR -51029 WITH TYPE -60021 SOUND LEVEL METER.	6/23/41 NOV. 41
CH-30751 FC POWER TRANSFORMER PRIMARY 55 VA, 115 VOLTS 60 CYCLES. SECONDARY 42 VA, 1080 VOLTS, 15 MA.	6/16/41 NOV. 43	SP-1012 KS-8917	ESL-574032 ISSUE 1	CRV 30757 WEA FILAMENT TRANSFORMER: PRIMARY 125/115/105 VOLTS, 60 CYCLES, 544 TURNS TAPPED AT 500 AND 456 TURNS #.0179E WIRE, 8 OHMS DC TOTAL RESISTANCE. SECONDARY RATED 2.5 VOLTS CT AT 10 AMPS, 12 TURNS .095" X .095" DC WIRE, .0068 Ω DC RESISTANCE, PRIMARY RATED .025 KVA. 6/27/41 NOV. 41	XT-2620 K-900340-502 SUB 3	CRV 30763 -2321(TBT) MICROPHONE TRANSFORMER FOR OPERATION FROM 25 OHMS PRIMARY TO 600 OR 200 OHMS SECONDARY. TURNS RATIO: PRIMARY TO 600 OHMS SECONDARY IS 1 TO 5.6; PRIMARY TO 200 OHMS SECONDARY IS 1 TO 3.4. PRIMARY #1.150 TURNS.0179E WIRE 1.41 OHMS DC RESISTANCE. PRIMARY #2 7/3/41 NOV. 41	XT-3370 K-900816-501 SUB 2	
CW-30752 FC POWER TRANSFORMER USED FOR MAGNET FIELD SUPPLY AND FOR FILAMENT SUPPLY. PRIMARY: 317 VA, 115 VOLTS, 60 CYCLES. SECONDARIES 285 VA, SEC #1, 10 VOLTS TAPPED AT 8, 15 AMP, SEC #2: 5 VOLTS, 5 AMP. SEC #3: 2.5 VOLTS, 3.5 AMP, 1100 VOLTS DC INSULATION 6/16/41 NOV. 43	SP-1013 KS-8918	ESL-574039 ISSUE 1	CRV 30758 WEA FILAMENT TRANSFORMER: PRIMARY 115/96 V 60 CYCLES 0.76 AMP 248 TURNS TAPPED AT 206 TURNS # .0359 E WIRE 1.38 OHMS DC TOTAL RESISTANCE. SECONDARY RATED 6.3 V CT AT 12 AMP 14 TURNS 0.085" X 0.125" OCC WIRE 0.010 OHMS DC RESIS- TANCE. 6/27/41 APR. 42	XT-3510 CRV:K-900932- 501 SUB 6	(IN MULTIPLE WITH #1). 150 30763 TURNS .0179E WIRE 2.42 OHMS DC RESIST- ANCE. SEC. #1 840 TURNS TAPPED AT 330, .0039 E WIRE, 43 OHMS DC RESISTANCE. SEC. #2 SAME AS #1 EXCEPT REVERSED. PRIMARY IMPEDANCE 150 OHMS MIN. AT 3 VOLTS 60 C.P.S. AND 0.05 AMP DC.			
SEC #4: 5 VOLTS, 3 AMP, 500 30752 VOLTS DC INSULATION. SEC #5: 900 V CT AT 125 MA.			CRV 30759 WEA OUTPUT TRANSFORMER TURNS RATIO, PRI. TO SEC., 2.8/2.4/2.2 TO 1. PRI. 1130 TURNS .0142 E WIRE TAPPED AT 970 AND 890 TURNS, 38.1 OHMS DC TOTAL RESISTANCE. SEC. #1: 404 TURNS .0159E WIRE, 8.86 OHMS DC RESISTANCE; SEC. #2: 404 TURNS.0159E WIRE, 12.8 OHMS 6/27/41 NOV. 41	XT-3706 K-901302-501 SUB 0	CRV 30764 49131 (TBT) REACTOR RATED 5.9 HENRIES AT 0.07 AMP DC, 1840 TURNS 0071 E WIRE, 141 OHMS DC RESIS- TANCE. IMPEDANCE AT 3 VOLTS, 60 CYCLES, AND 0.07 AMP DC IS 2000 OHMS MINIMUM.	7/3/41 DEC. 41	XT-3632 K-901021-501 SUB 3	
CW-30753 FC FILAMENT TRANSFORMER PRIMARY RATED 75 VA, 110 VOLTS, 60 CYCLES. SECONDARY RATED 55 VA, 15 VOLTS AT 3 AMP. PRIMARY CURRENT 0.16 AMP WITH NO LOAD ON SECONDARY, SEC VOLTAGE 28 ± 2 VOLTS.	6/16/41 MAR. 42	SP-1014 HAR. 42	ESL-574039 ISSUE 2	DC RESISTANCE. PRI. IMPED- 30759 ANCE AT 3 VOLTS 60 CYCLES AND 0 AMP DC IS 2900 OHMS MINIMUM.		CRV 30765 49131(TBT) INPUT TRANSFORMER OPERATION FROM 600 OHM LINE TO 50,000 OHMS. TURNS RATIO FULL PRI. TO FULL SEC. 1 TO 9.38. PRI. #1, 240 TURNS 0071 E WIRE, 13 OHMS DC RESISTANCE. PRI. #2, SAME AS #1 EXCEPT REVERSED. SEC #1, 2250 TURNS 0028 E WIRE, 1000 7/3/41 DEC. 41	XT-3633 K-901022-501 SUB 4	
30754 FC FIELD MAGNET COIL; USED IN MAGNETRON ASSEMBLY, OPERATED AT 400 V, 125 MA DC.	6/16/41 MAR. 42		CW:ESR-679505 ISSUE 3	CRV 30760 WEA OUTPUT TRANSFORMER TURNS RATIO PRI. TO SEC. 1 TO 6. PRI. 3000 TURNS 0.004 E WIRE, 705 OHMS DC RESISTANCE. SEC. 18000 TURNS OF 0.0028 WIRE, 12,500 OHMS DC. PRI. IMPEDANCE AT 3 VOLTS, 60 CYCLES & .032 A DC IS 4500 OHMS MINIMUM. 6/27/41 NOV. 41	XT-3718 K-901157-501 SUB 2	OHMS DC RESISTANCE. SEC. #2, 30765 SAME AS #1 EXCEPT REVERSED. SEC. IMPEDANCE AT 3 V, 60 CYCLES & 0 AMP DC TO BE 32,500 OHMS MINIMUM. ELECTRO- STATIC SHIELD CONNECTED TO CASE.		
CRV 30755 WEA AUDIO INPUT TRANSFORMER TURN RATIO, FULL PRI TO SEC: 1 TO 1.11; 1/2 PRI TO SEC: 1 TO 2.22. PRIMARY HAS MIDTAP. SHIELD AND SECONDARY START GROUNDED TO CASE. OPERATES BETWEEN 400/100 OHM PRIMARY AND 500 OHM SECOND- ARY LOAD. EACH HALF OF PRIMARY 225 6/27/41 NOV. 41	XT-3540A K-901000-502 SUB 4		CRV 30761 WEA PLATE TRANSFORMER PRIMARY 120/110/100 VOLTS, 1.08 KVA, 93 TURNS .095X.095 DC TAPPED AT 85 AND 77 TURNS, 0.103 OHMS DC RESISTANCE TOTAL. SECONDARY 3600/3000/2420 VOLTS CT AT 600 MA, 2870 TOTAL TURNS TAPPED AT 2635, 2410, 1435 (CT), 460 AND 235 TURNS, 6/27/41 NOV. 41	XT-3894 K-901301-501 SUB 0	CRV 30766 49131(TBT) OUTPUT TRANSFORMER OPERATION FROM 5000 OHMS TO 15 OHMS. TURNS RATIO FULL PRI. TO SEC. 17.8 TO 1. PRI. 1440 TURNS CT AT 720 TURNS 0063 E WIRE, 104 OHMS DC RESISTANCE TOTAL. SEC. 81 TURNS 0226 E WIRE, 057 OHMS DC RESISTANCE. PRI. IMPEDANCE AT 3 V, 60 7/3/41 DEC. 41	XT-3634 K-901023-501 SUB 3		
TURNS #0063E TAPPED AT 112 30755 TURNS, 13 OHMS DC TOTAL RESISTANCE. SECONDARY 500 TURNS #.0063E, 35 OHMS DC. PRIMARY IMPEDANCE AT 1 VOLT, 60 CYCLES & 0 AMP DC TO BE 330 OHMS MINIMUM.				.0226 E WIRE; 97 OHMS DC 30761 TOTAL RESISTANCE.		CYCLES, AND 0 AMP DC TO BE 30766 1130 OHMS ± 10%.		

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NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CW-30767	FD		CG-30775	TCG-1				
<p>CHOKO COIL 3.5 HENRIES AT 0.5 AMP DC. MIN. INDUCTANCE 3.0 HENRIES WITH 100 V. 60 CYCLES ACROSS COIL AND 0.5 AMP DC THROUGH COIL. AVERAGE DC RESISTANCE 27 OHMS, MAX. RESISTANCE 33 OHMS.</p>			<p>OHMS DC RESISTANCE. SEC. #3. 30781 5 V AT 3 AMP, 43 TURNS 0.0508 E WIRE, 0.192 OHMS DC RESISTANCE. HAS ELECTROSTATIC SHIELD CONNECTED TO CASE.</p>					
7/14/41	SC-1007	ESL-574034	8/11/41	68C107	M-7465912-1			
NOV. 43	KS-8572	ISSUE 1	NOV. 41		REV 0			
CG-30768	TCR		CG-30776	TCG-1		CNA 30782	RBJ	
<p>REACTOR 0.075 HENRIES AT 1 AMP DC, 2500 V AC TEST.</p>			<p>REACTOR 1.25 HENRIES, 2.5 AMP DC, 4.5 OHMS DC RESISTANCE. 2.5 KV RMS TEST.</p>			<p>POWER TRANSFORMER; PRIMARY 75 VA, 250 V, .32 AMP, 50/60 CYCLES, 1200 TURNS #27 WIRE, 16 OHMS DC. SEC. #1, 560 V, 0.035 AMP CT, 3400 TURNS #35 WIRE, 800 OHMS DC. SEC. #2, 5 V AC, 3 AMP, 28 TURNS #17 WIRE, 12 OHMS DC. SEC. #3, 6.2 V AC, 3.4 AMP, 36 TURNS 11/10/41 12359 C-301 SUB 1 MAR. 42</p>		
8/11/41	67G911	K-5805470NZ	8/11/41	68C108	M-7465913-1			
NOV. 41		REV 1	NOV. 41		REV 0			
CG-30759	RBD		CAT 30777	FH, SH, SJ		CNA 30782		
<p>OUTPUT TRANSFORMER TURNS RATIO 3.08 TO 1. PRIMARY LOAD 4820 OHMS, 0.038 AMP. SECONDARY LOAD 500 OHMS. FREQUENCY RANGE 200 TO 3000 CYCLES.</p>			<p>AUTO TRANSFORMER, VARIABLE; LOAD RATING 2 KVA, RATED 17.4 AMP. INPUT 90 TO 130 VOLTS, 50 TO 60 CYCLES. OUTPUT FIXED AT 115 VOLTS, 17.4 AMP. SAME AS CAT-30669 EXCEPT FOR CHANGE IN SHAFT.</p>			<p>#16 WIRE, .13 OHMS DC, HAS ELECTROSTATIC SHIELD CONNECTED TO GROUND (G). NAVY TYPE CAW-481046 RF BYPASS CAPACITORS CONNECTED BETWEEN TERMINALS 2 & G AND 7 & G.</p>		
8/11/41	67C990	K-7881372 REV 0	10/9/41	28323	CW:ESL-681188			
NOV. 41			DEC. 41		ISSUE 2			
CG-30770	TCG-1		CAC 30778	FH, SH, SJ		CRV 30783	YE-1	
<p>FILAMENT TRANSFORMER .4575 KVA, 100/200 V, SINGLE PHASE, 25 CYCLES. SEC. #1: 11/5.5 V, 17 AMP, SEC. #2: 11/5.5 V, 15.5 AMP, SEC. #3 & #4: 10/5 V, 5 AMP.</p>			<p>AUTO TRANSFORMER, VARIABLE; LOAD RATING 860 VA, RATED 5 AMP, MAX CORRENT 7.5 AMP. INPUT 115 V, 50 TO 60 CYCLES, OUTPUT 0 TO 135 V, NO LOAD LOSS 10 WATTS. CANCELLED: REASSIGNED CAG-30740.</p>			<p>FILAMENT POWER TRANSFORMER PRIMARY RATED 115 V, 0.067 AMP, 60 CYCLES, 658 TURNS OF 0.0142 E WIRE, 17.6 OHMS DC. SEC. 6.6 V, 0.9 AMP, 40 TURNS OF 0.0359 E WIRE CT 1 KV INSULATION.</p>		
8/11/41	66C 102	M-7465933-1	10/9/41	200-CU	FORM 549A	11/19/41	900930	K-900930-501
MAR. 42		REV 0	OCT. 42			MAR. 42		SUB 5
CG-30771	TCG-1		CSY 30779	YE-1		CRV 30784	YE-1	
<p>FILAMENT TRANSFORMER 0.050 KVA, PRIMARY 100/200 V, 25 CYCLES, SECONDARY 10/5 V 5 AMP.</p>			<p>TRANSFORMER, VOLTAGE REGULATING; INPUT 75 TO 135 V, 60 CYCLES INPUT CURRENT 3.53 AMP AT 75 V, 2.91 AMP AT 115 V, 2.48 AMP AT 135 V. OUTPUT 115 V ± 1 V AT 335 VA. PRIMARY RESISTANCE 0.345 OHMS DC, SECONDARY RESISTANCE 0.428 OHMS DC. 10/20/41 30425 30425 REV. 0 MAR. 42</p>			<p>FILAMENT TRANSFORMER; PRIMARY RATED 115/96 V 0.6 AMP 60 CYCLES 352 TURNS OF .032" E WIRE TAPPED FOR 96 VOLTS (295 TURNS). TOTAL PRIMARY DC RESISTANCE 2.16 OHMS, SECONDARY HAS TWO WINDINGS, EACH RATED 7.8 V 4 AMP, 24 TURNS OF 0.0571" E WIRE CT 1 KV 11/19/41 900931 CRV:K-900931-501 SUB 4 APR. 42</p>		
8/11/41	68C103	M-7465934-1	10/20/41	30425	30425 REV. 0			
NOV. 41		REV 0	MAR. 42					
CG-30772	TCG-1		CG-30780	FB				
<p>TRANSFORMER PRIMARY 110/220 V, SINGLE PHASE, 25 CYCLES. SEC. #1, 110 V 0.2 AMP. SEC. #2, 6.3 V 1 AMP. SEC. #3, 50 V 0.25 AMP. 1500 V RMS TEST.</p>			<p>POWER TRANSFORMER 3 KVA, PRIMARY 450 V, SINGLE PHASE, 60 CYCLES, 126 TURNS .105" X .065" DCC WIRE IN 5 LAYERS OF 26 TURNS PER LAYER, FULL LOAD CURRENT RATING 6.67 AMP, RESISTANCE AT 25° C 0.45 OHMS. SECONDARY 117 V, FULL LOAD CURRENT RATING 25.6 AMP. 10/21/41 60G811 K-5805462CK MAR. 42 REV 1</p>			<p>INSULATION. CRV30784</p>		
8/11/41	68C104	K-5853983AR	10/21/41	60G811	K-5805462CK			
MAR. 42		CASE 3 REV 0	MAR. 42		REV 1			
CG-30773	TCG-1					CG-30785	RBD	
<p>PLATE TRANSFORMER PRIMARY 0.156 KVA, 115/230 V, SINGLE PHASE, 25 CYCLES, SECONDARY 0.220 KVA, 311/155.5 V. 1750 V RMS TEST.</p>			<p>WOUND 33 TURNS OF .250" X .105" DCC WIRE IN 3 LAYERS OF 11 TURNS PER LAYER, RESISTANCE 25° C 0.03 OHM. (HAS AN ADAPTER PLATE SO THIS UNIT WILL REPLACE CG-30701).</p>			<p>REACTOR 2 HENRIES AT 100 MA DC, 75 OHMS DC, 0.275 KV INSULATION.</p>		
8/11/41	68C105	M-7465910-1				12/12/41	68C14	K-7882730-1
NOV. 41		REV 0				MAR. 42		REV 1
CG-30774	TCG-1		CRV 30781	DP-16		CRV 30786	YE-1	
<p>FILAMENT TRANSFORMER 0.050 KVA, PRIMARY 100/200 V, SINGLE PHASE, 25 CYCLES. SEC. #1, 2.5/1.25 V 10 AMP. SEC. #2 AND #3, 2.5/1.25 V 5 AMP. 4000 V RMS TEST.</p>			<p>POWER TRANSFORMER PRI. RATED 112.5 V, 0.61 AMP, 25 CYCLES, 820 TURNS 0.0226 E WIRE, 9.63 OHMS DC RESISTANCE. SEC. #1, 330 V CT, 65 MA DC, 2650 TURNS CT, 0.008 E WIRE, 341 OHMS DC RESISTANCE. SEC. #2, 6.9 V AT 3 AMP, 58 TURNS 0.0508 E WIRE, 0.229 10/27/41 M-421971 SUB 2 MAR. 42</p>			<p>TRANSFORMER: PRIMARY 440 V 3.1 AMP, 220 V 6.2 AMP 60 CYCLES SECONDARY 115/230 V 1.15 KVA, PRI & SEC EACH CONSISTS OF 2 WINDINGS, EACH PRI. WINDING 109 TURNS OF PS-453 DCC .05 X .110 WIRE, .5 OHMS DC RESISTANCE. EACH SECONDARY WINDING 58 TURNS OF 11/19/41 900933 CRV:K-900933-501 SUB 2 APR. 42</p>		
8/11/41	68C106	M-7465911-1	10/27/41		M-421971 SUB 2			
NOV. 41		REV 0	MAR. 42					

Class 30—Transformers and Reactors

3.30-39

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION		
PS-453 DCC .085 X .125		CRV30786	(1610 TURNS OF #22 E WIRE, CJE 30791			IS .0082, THE OTHER .0085		CTH 30796		
WIRE, .18 OHMS DC CONNECT			24.4 OHMS DC) 860 V, 0.51 A RMS CT			OHMS. BOTH WINDINGS CT.				
WINDINGS IN PARALLEL FOR 220/115 V			ELECTROSTATIC SHIELD. TAP TERMINAL TO							
OPERATION AND SERIES FOR 440/230 V			BE AT GROUND POTENTIAL.							
OPERATION.										
CUT 30787 RBA, RBA-1			CTH 30792 SJ			CTH 30797 SJ				
OUTPUT TRANSFORMER			POWER TRANSFORMER			POWER TRANSFORMER:				
PRIMARY OPERATES FROM 9000 OHM SOURCE,			PRIMARY (CONSISTS OF 716-1/2 TURNS OF			PRIMARY 338 TURNS OF #25 E WIRE, 5.81				
SEC. #1 CT WITH TAP CONNECTED TO "G"			#24 E WIRE, 8.07 OHMS DC RESISTANCE),			OHMS DC RESISTANCE 115 VOLTS, 60 CYCLES,				
(GROUND), OPERATES INTO 30 OHM LOAD.			115 V, 60 CYCLES, 0.37 A 41 W, SEC. HAS			.35 AMP, 21 WATTS. TWO SECONDARY WIND-				
SEC. #2 ONE SIDE CONNECTED TO "G"			TWO WINDINGS. SEC. #1 CONSISTS OF 44			INGS. SEC. #1 TAPPED FOR 2.55 VOLTS,				
(GROUND), OPERATES INTO 5000 OHM LOAD.			THRU WINDINGS OF #24 E WIRE 0.76 OHMS DC, 6.3 V,			1.75 AMPS AND 1710 VOLTS. .007 AMP RMS.				
FLAT WITHIN 1.5 DB FROM 200 TO 1300			0.6 A, 300 V DC TO GROUND. CT. SEC.			THE 2.55 VOLT SECTION: 8 TURNS OF #19 E				
11/28/41		(CFT) F-25427-	12/3/41 KS-8566		CW:ESL-634672	12/3/41 KS-8571		CW:ESL-634677		
MAR. 42		1C	OCT. 42		ISSUE 3	OCT. 42		ISSUE 3		
C.P.S. MAX. OPERATING		CUT 30787	#2 CONSISTS OF 44 TURNS OF			CTH 30797				
LEVEL OF SEC. #1 IS 1.5 WATTS.			2 - #16 E WIRE, 0.054 OHMS DC, 6.5 V,							
			5 A, 600 V PEAK TO GROUND. ELECTRO-							
			STATIC SHIELD.							
CRV 30788 * SEE BELOW			CJE 30793 SJ			CTH 30798 SJ				
REACTOR, TAPPED			POWER TRANSFORMER:			REACTOR:				
IMPEDANCE AT 30 V, 60 CYCLES AND 0.170			PRIMARY CONSISTS OF 150 TURNS OF #15 E			3.5 HENRIES AT 65 V, 120 CYCLES WITH				
AMP DC IS 3770 OHMS, AT 30 V, 60 CYCLES			WIRE, 0.39 OHM DC, 115 V, 60 CYCLES,			0.45 AMP DC, PEAK VOLTAGE TO GROUND 600				
AND ZERO DC SHALL NOT EXCEED 4200 OHMS.			3.87 A, 355 W. SECONDARY CONSISTS OF			V, 1694 TURNS OF #24 E WIRE 27.2 OHMS DC				
3150 TURNS 0.0142 E WIRE TAPPED AT 3081			4850 TURNS OF #26 E WIRE, 217 OHMS DC.							
URNS, 106 OHMS DC RESISTANCE TOTAL.			3640 V, 0.141 AMP RMS.							
* RBB, RBB-1, RBC, RBC-1.		#502	12/3/41 CJE:KS-8567		CW:ESL-634673	12/3/41 KS-8572		CW:ESL-634678		
12/1/41 XT-3496A		CRV:X-900934-	OCT. 42		ISSUE 3	OCT. 42		ISSUE 4		
AUG. 43 CRV:		SUB 8								
RATIO FROM START TO FINISH/		CRV 30788	CTH 30794 SJ			CTH 30799 SJ				
TAP TO FINISH IS 45.6/1.			POWER TRANSFORMER			REACTOR:				
			PRIMARY CONSISTS OF 712 TURNS OF #26 E			12.8 HENRIES AT 850 V, 120 CYCLES WITH				
			WIRE, 11.5 OHMS DC, 115 V, 60 CYCLES,			0.20 AMP DC PEAK VOLTAGE TO GROUND 2600				
			.30 AMP, 31 WATTS. SECONDARY CONSISTS			V, 2725 TURNS OF #29 E WIRE, 142 OHMS DC.				
			OF 18 TURNS OF 2 - #15 E WIRE, .016 OHMS							
			DC, 2.6 V, 10 AMP, 2600 V PEAK TO							
			GROUND.							
			12/3/41 KS-8568		CW:ESL-634674	12/3/41 CTH:KS-8573		CW:ESL-634679		
			OCT. 42		ISSUE 3	OCT. 42		ISSUE 3		
CRV 30789 RBB,-1,RBC,-1			CTH 30795 SJ			CAY 30800 TBL-7				
OUTPUT TRANSFORMER: PRIMARY			FILAMENT TRANSFORMER:			TRANSFORMER AUDIO				
IMPEDANCE AT 3 V, 60 CY AND .018 AMP DC			PRI/SEC #1/SEC #2/SEC #3/SEC #4/SEC #5;			OSCILLATOR: 40 VA, 800 CYCLES. PRI.				
IS 5000 OHMS MINIMUM. TURNS RATIO PRI./			115 V-60-76.4CT/5.1/3.2/1.7 VOLTS; 1.5/			1200 V, TAPPED AT 430 V, 0.016 AMP, 57				
SEC. #1 IS 8/1, PRI./SEC.#3 + SEC.#2 IS			6/5/5/8/2 AMPS; 195/11.5CT/18.5CT/9/6/3			OHMS DC, TAPPED AT 20.5 OHMS. SECONDARY				
25.3/1, SEC.#1/SEC.#2 + SEC.#3 IS 3.16/1			TURNS; 1.39/.02/.035/.017/.013/.0063 Ω			140 V, 2.3 AMP, 0.57 OHMS DC. ELECTRI-				
SEC. 2 AND 3 IN SERIES IS FOR 30 TO 600			DC: -/GND/300/GND/1000/GND VOLTS DC TO			CALLY EQUAL TO CAY-30332A, BUT IS OF				
OHMS. SEC. #1 IS 5000 OHM IMPEDANCE.			GND: #20E/2 #16E/2 #16E/2 #16E/2 #16E/			LARGER OVERALL SIZE, TERMINAL BOARDS				
12/1/41 XT-3495		K-901010 SUB 5	12/3/41 CTH:KS-8569		CW:ESL-634675	1/14/42 CAY:L-382672		P-7708407		
MAR. 42			OCT. 42		ISSUE 4	JUNE 42		SUB 0		
CRV 30790 RBB,1,RBC,1			CTH 30795			MOUNTED ON TOP INSTEAD OF		CAY 30800		
POWER TRANSFORMER: PRIMARY			2 #16E; RATED 160 WATTS.			ON BOTTOM.				
110/115/120 V,60 CYCLES,272 TURNS .0403										
E WIRE TAPPED AT 260 AND 248 TURNS, 1.06										
OHMS DC TOTAL. SEC.#1/#2/#3/#4, 550 CT/										
6.3 CT/17/5 V, 1550 CT/16 CT/41/12 TURNS										
.0113 E/.095 X .095 OCC/.032 E/.0571 E										
WIRE, 100/.018/.387/.045 OHMS DC.										
12/1/41 XT-3497		K-901013 SUB 4								
MAR. 42										
CJE 30791 SJ			CTH 30796 SJ			CW-30801 SH				
POWER TRANSFORMER			POWER TRANSFORMER			FILAMENT TRANSFORMER				
PRIMARY (213 TURNS #14 E WIRE .40 OHMS			PRI. 199-1/2 TURNS OF #18 E WIRE, 0.92			PRI. 115 V, 60 CYCLES, 0.25 AMP, 22				
DC RESISTANCE) 115 V, 60 CYCLES, 3.1 A			OHMS DC RESISTANCE, 115 V, 60 CYCLES,			WATTS, 710 TURNS #25 E WIRE, DC RESIS-				
300 W. SECONDARY HAS TWO WINDINGS.			1.55 AMP, 175 WATTS. TWO SECONDARY			TANCE 8.95 OHMS, SECONDARY 6.3 V, 3 AMP,				
SEC. #1 (CONSISTS OF 10 TURNS OF 2 - #14			WINDINGS, 12 TURNS OF SHEET COPPER			41 TURNS 15 E WIRE, DC RESISTANCE 0.066				
E WIRE, .016 OHMS DC RESISTANCE) 5.2 V,			0.0063 X 13-1/4, 6.7 V, 12 AMP AT GROUND			OHMS.				
6 A, 600 V PEAK TO GROUND. SEC. #2			POTENTIAL. ONE WINDING DC RESISTANCE							
12/3/41 CW:0161275		CW:ESL-634671	12/3/41 KS-8570		CW:ESL-634676	1/21/42		CW:ESL-634965		
OCT. 42 KS-8565		ISSUE 3	OCT. 42		ISSUE 3	AUG. 42:		ISSUE 1		
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

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NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CW-30802 SJ
INPUT TRANSFORMER
PRI. 38 TURNS #28 ES WIRE, DC RESISTANCE 0.3 OHMS, SEC. 163 TURNS #36 ES WIRE, DC RESISTANCE 10.6 OHMS. ELECTROSTATIC SHIELD CONNECTED TO CASE. DESIGNED TO OPERATE BETWEEN IMPEDANCES OF 100 AND 2000 OHMS APPROXIMATELY.
1/21/42 CW:ESL-635007
AUG. 42 ISSUE 1

CSY 30803 FD 17 T 20(INT)
POWER TRANSFORMER: 9/15/41
PRIMARY 450/1/60, 6.85 AMP 204 TURNS #10 SQUARE OCC, DC RESISTANCE 0.360 OHMS. SECONDARY 117 V 3 KVA, 26 AMP 53 TURNS OF 2 - #9 SQUARE OCC, DC RESISTANCE 0.0325 OHMS.
CSY DATED 2/10/42 FOR CAT. #35992
2/9/42 35992 SEE ABOVE
APR. 42

CW 30804 FA, FC & FD
NONLINEAR INDUCTANCE: .08
(± .05) HENRIES, WITH .5 MA AT 4000 CYCLES. EFFECTIVE RESISTANCE 1000 OHMS AT 4000 CYCLES. DC RESISTANCE IS 5 OHMS. SAME AS TYPE 30661 EXCEPT FOR TYPE AND LOCATION OF TERMINALS AND IS OIL-FILLED.
2/16/42 D-162306 CW:ES0-636890
JUNE 42 ISSUE 1

CRV 30805 WEA-1
DRIVER AUDIO TRANSFORMER:
TURNS RATIO 3.5 TO 1. IMPEDANCE RATIO 14,000 TO 1150 OHMS. FREQUENCY RANGE: 17 TO 27 KC. PRIMARY IMPEDANCE AT 3 VOLTS, 60 CYCLES AND 0 AMP DC IS 1200 OHMS MIN. PRI: 740 TURNS CT, 0.0063 E WIRE, 58 OHMS DC TOTAL RESISTANCE.
3/2/42 CRV:XT-3875 CRV:K-901446
AUG. 42 SUB 2

SECONDARY 224 TURNS CT, CRV 30805
0.0089 E WIRE, 9.8 OHMS
DC TOTAL. PRIMARY RATED 500 VOLTS PLATE TO PLATE, 0.06 AMP. SECONDARY RATED 150 VOLTS 0.1 AMP.

CRV 30806 WEA-1
POWER TRANSFORMER:
60 CYCLES RATED
PRI./SEC.#1/SEC.#2/SEC.#3, 117/800/6.4/5. VOLTS AT 1.75 AC/0.175 DC/8 AC/3 AC AMP. 173/1220 CT/10/8 TURNS 0.0453E/0.0159E/0.085 X 0.085 OCC/0.0359E WIRE, 0.75/53 TOTAL 0/0 OHMS DC RESISTANCE.
3/2/42 XT-3787 CRV:K-901447
APR. 42 SUB 1

CRV 30807 WEA-1
OUTPUT TRANSFORMER:
TURNS RATIO: 13.4 TO 1. IMPEDANCE RATIO: 25,000 TO 140 OHMS. FREQUENCY RANGE: 17 TO 27 KC. PRIMARY IMPEDANCE AT 30 VOLTS 60 CYCLES AND 0 AMP DC IS 6500 OHMS MINIMUM. PRI #1 AND PRI #2 ARE SERIES CONNECTED TO FORM A CENTER-TAPPED PRIMARY.
3/2/42 CRV:XT-3884 CRV:K-901536
AUG. 42 SUB 1

EACH PRIMARY 415 TURNS CRV 30807
.0142 E, 13.7 OHMS DC.
SEC #1 AND SEC #2 ARE BOTH CENTER-TAPPED AND MULTIPLE CONNECTED TO FORM A CENTER-TAPPED SECONDARY. SEC #1/ SEC #2: 62CT/ 62 CT TURNS 2 X .0201 E WOUND PARALLEL. 0.43/0.59 OHMS DC. PRIMARY RATED 2000 V PLATE TO PLATE, 0.3 AMP. SECONDARY RATED 200 VOLTS 3 AMPS.

CRV-30807-A NMC
OUTPUT TRANSFORMER
SAME AS CRV-30807 EXCEPT HAS SOLDERING LUGS INSTEAD OF SCREW AND NUT TERMINALS. AND IS OIL FILLED HERMETICALLY SEALED INSTEAD OF COMPOUND POTTED.
2/12/44 CRV:901743-501 CRV:K-901743
AUG. 44 SUB 4

CRV 30808 WEA-1
OUTPUT TRANSFORMER:
TURNS RATIO: 1 TO 3.02. IMPEDANCE RATIO: 14000 TO 130000 OHMS. FREQ. RANGE: 17 TO 27 KC. PRIMARY INDUCTANCE AT 5 V, 1000 C IS 0.20 HENRY MINIMUM. PRI #1 AND PRI #2 ARE SERIES CONNECTED TO FORM CENTER-TAPPED PRIMARY. PRI #1/PRI #2: 255/255
3/2/42 CRV:XT-3926 CRV:K-901586
AUG. 42 SUB 1

TURNS 0.0089 E WIRE, 8.5/ CRV 30808
15 OHMS DC, SEC#1 AND SEC #2 ARE SERIES CONNECTED TO FORM CENTER-TAPPED SECONDARY. EACH SECONDARY 770 TURNS 0.0063 E WIRE, 71.5 OHMS DC. PRI RATED 300 VOLTS 0.06 AMP AC PLATE TO PLATE. SEC. 900 VOLTS, 0.02 AMP AC.

CRV 30809 WEA-1
REACTOR:
IMPEDANCE AT 3 V, 60 CYCLES AND 0.300 AMP DC IS 1885 OHMS MINIMUM, 2100 TURNS 0.0159 E WIRE, 58 OHMS DC.
3/2/42 XT-4046 CRV:K-901401
APR. 42 SUB 2

CRV 30810 WEA-1
PLATE TRANSFORMER:
PRIMARY 105/115/125 V, 60 CYCLES.
PRIMARY TERMINALS 125, 115, 105, HIGH. LOW 208 TURNS TOTAL TAPPED AT 14, 29 AND 178 0.0571 E WIRE DC RESISTANCE 0.495 OHMS TOTAL. SECONDARY 3200 V CT 0.163 AMP WHEN USING HIGH PRIMARY, 2740 V
3/2/42 XT-4049 CRV:K-901414
APR. 42 SUB 2

0.153 AMP DC WHEN USING CRV30810
LOW PRIMARY, 4750 TURNS
CT, 0.0159 E WIRE, 233 OHMS DC.

CRV 30811 WEA-1
FILAMENT TRANSFORMER:
PRIMARY 109/115/125 V 60 CYCLES.
PRIMARY TERMINALS 1, 2, 3, 4: 347 TURNS TOTAL TAPPED AT 292 & 319, 0.0253 E WIRE DC RESISTANCE 3.33 OHMS TOTAL. SECONDARY 6.3 V CT, 9 AMP 18 TURNS CENTER-TAPPED, 0.095 X 0.095 OCC WIRE, 0.117 OHMS DC.
3/2/42 XT-4058 CRV:K-901412
APR. 42 SUB 3

CRV 30812 WEA-1
POWER TRANSFORMER:
FOR 60 CYCLE OPERATION. PRI./SEC.#1/SEC #2/SEC#3: 117/120/210/6.3 VOLTS, 0.33/0.050/0.015 DC/2.7 AMP. 762/912/1560/48 TURNS #0.0126 E/0.0056 E/0.0045 E/0.0359 E WIRE, 22.6/167/395/0.254 OHMS DC.
3/2/42 XT-4060 CRV:K-901455
APR. 42 SUB 1

CRV 30813 WEA-1
GRID TRANSFORMER:
PRIMARY RATED 105/115/125 VOLTS, 60 C, 0.2 AMP. SECONDARY 180 VOLTS CT AT 0.1 AMP. PRIMARY: TERMINALS 1,2,3,4: 710 TURNS TAPPED AT 595 AND 650 TURNS .0113 E WIRE, 23.6 OHMS DC TOTAL. SECONDARY: TERMINALS 5,6,7: 1080 TURNS CENTER-TAPP-
3/2/42 CRV:XT-4061 CRV:K-901413
AUG. 42 SUB 1

ED, 74.8 OHMS DC TOTAL. CRV 30813

CRV 30814 WEA-1
INTERSTAGE TRANSFORMER:
TURNS RATIO: PRIMARY TO 1/2 SEC IS 1 TO 2. OPERATES BETWEEN 37,500 AND 60,000 OHMS. RATED FREQUENCY 60 CPS. PRIMARY: 1500 TURNS #0.0035 E WIRE, 319 OHMS DC. RATED 250 VOLTS, 0.01 AMP AC. SECONDARY: 6000 TURNS CT 0035 E WIRE, 1460 OHMS DC.
3/2/42 CRV:XT-4077 CRV:K-901454
OCT. 42 SUB 1

RATED 500 VOLTS .005 AMP CRV 30814
AC. PRIMARY IMPEDANCE AT 3 VOLTS, 60 CYCLES AND 0.009 AMP DC IS 3770 OHMS MINIMUM.

CRV 30814A QCP
INTERSTAGE TRANSFORMER:
TURNS RATIO PRIMARY TO 1/2 SEC IS 1 TO 2. OPERATES BETWEEN 37,500 OHMS AND 60,000 OHMS. RATED FREQ 60 CPS. PRIMARY 1500 TURNS CT, .0035E WIRE: 319 OHMS DC RESISTANCE; RATED 250 VOLTS AT .01 AMP AC. SECONDARY 6000 TURNS CT, .0035E WIRE;
9/29/42 XT-4077A K-901554-501
MAR. 43 SUB 1

CRV 30814A
1460 OHMS DC RESISTANCE; RATED 500 VOLTS AT .005 AMP AC. PRIMARY IMPEDANCE AT 3 VOLTS, 60 CY AND .009 AMP DC IS 3770 OHM MINIMUM. SAME AS -30814 EXCEPT THE PRIMARY HAS BEEN CENTER-TAPPED AND LEAD IS BROUGHT OUT TO A NEW TERMINAL, #6.

CSY 30815 RBP
TRANSFORMER VOLTAGE
REGULATING: PRIMARY: 115 VOLTS ±1%, SINGLE PHASE, 60 CYCLES. SECONDARY: 120 V ±1%, 1 PHASE, 60 CYCLES, 500 VA. PRIMARY/CONDENSER & SECONDARY/BUCKING COIL: 157/349-1/2 & 105-1/2/30 TURNS #13/#15
CRV: P-720996 SUB 0
3/16/42 CSY:CAT.#3004 SEE ABOVE
AUG. 42 CSY:5003

AND #14/#14 SCE WIRE. CSY 30815
0.36 OHMS DC RESISTANCE PRIMARY, 0.44 OHMS TOTAL DC RESISTANCE SECONDARY.

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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Class 30—Transformers and Reactors

3.30-41

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CAY 30816 RBM, 1 & 2 REACTOR FILTER: RATED 4 HENRIES AT 0.090 AMP DC. DC RESISTANCE 280 OHMS. WIRE, #34 ENAMEL. 3500 TURNS.	3/22/42 L-382519 JUNE 42	CAY:P-7705670- 11 SUB 9	CAY 30822 RBM, 1 & 2 FILAMENT TRANSFORMER: PRIMARY/SECONDARY, VOLTAGE RATING 115/12 AC RMS, CURRENT RATING 0.12/0.75 AMP. DC RESISTANCE 74/1.15 OHMS. WIRE SIZE #30/ #22 ENAMEL, TURNS RATIO 1470/178. RATED 25 CYCLES, 9 VA.	3/22/42 L-382591 APR. 42	CAY:P-7705670- 15 SUB 9	CRV 30827 SA, SA-1 POWER TRANSFORMER: PRI/SEC#1/SEC#2: 117 VOLTS SINGLE PHASE 60 CYCLES/6.5/6.5 VOLTS; .643/10.3 AMP; 430/25/25 TURNS, .0226 E/.095 X .095 DCC/.0197E WIRE, 4.67/.0147.63 OHMS DC.	4/15/42 K-901406 JUNE 42	CRV:K-901406- 501, SUB 2
CAY-30817 TCE FILAMENT TRANSFORMER: PRI 113 CT/1/600-800 0.8A, 0.088 KVA, 203 TURNS CT OF #22 ENAM. WIRE, 2 OHMS DC RES; SEC. 1/2/3/4/5 RATED 2.5/5CT/2.5 10CT/7.5 CT VOLTS AT 10A/3A/2.5A/3.25A/ 1.25A, 5 1/2/10CT/5/20CT/15CT TURNS OF #13/11/11/19/13/120 WIRE 0.005/0.025/ 1/11/45 MAY 45		CAY:-74606994 G1 SUB 10	CG 30823 SA AUTOTRANSFORMER: PRI/SEC=115/70 VOLTS, 60 CYCLES, .0232/ .068 AMP, 908/630 TURNS .0126E/.0113E WIRE, 8.09/19, 58 OHMS DC. RATED .0234 KVA.	5/6/42 67C997 JUNE 42	CRV:K-874116-1 SUB 0	CRV 30828 SA, SA-1 AUDIO REACTOR: IMPEDANCE AT 15 VOLTS 60 CYCLES AC AND .005 AMP DC IS 264000 OHMS (-0+10%), WINDING IS 20400 TURNS OF .0040E WIRE, 5580 OHMS DC RESISTANCE.	4/15/42 K-901306 JUNE 42	CRV:K-901306- 501, SUB 1
CAY-30817 0.014/0.070/0.085 OHMS DC RES.			CRV 30824 SA, SA-1 POWER TRANSFORMER: GRID TRIGGERING; TAPPED PRIMARY, PRIMARY TERMINALS ARE 1,3,5,6,8,10. SECONDARY TERMINALS ARE 11 AND 15. WITH 117 VOLTS 60 CYCLES APPLIED TO TERMINALS 1-3/1-5 /1-6/1-8/1-10 THE SECONDARY VOLTAGE IS 1050/935/820/725/620 VOLTS ± 5%. RATED 4/15/42 K-901393 JUNE 42		CRV:K-901393- 501, SUB 1	CRV 30829 SA, SA-1 FILTER REACTOR: IMPEDANCE AT 3 VOLTS 60 CYCLES AC AND .162 AMP DC IS 1700 OHMS MINIMUM. WIND- ING IS 3200 TURNS OF .010 E WIRE, 160 ±10% OHMS DC RESISTANCE.	4/15/42 K-901340 JUNE 42	CRV:K-901340- 501, SUB 1
CAY 30818 RBM, 1 & 2 REACTOR FILTER: RATED 5 HENRIES AT 0.1 AMP DC. DC RESIS- TANCE 108 OHMS. WIRE, #30 ENAMEL. 2500 TURNS.	3/22/42 L-382522 JUNE 42	CAY:P-7705670-8 SUB 9	CRV 30825 SA, SA-1 AUTOTRANSFORMER: TERMINALS ARE 0,1,7,8,6,10,3,12 WITH 100/1/60, APPLIED TO TERMINALS 0-1, 264/ 294/320/346 VOLTS ARE OBTAINED FROM TERMINALS 0-7/0-8,6/0-10,3/0-12. PRI- MARY: 129 TURNS 0.0808 E, 0.21 OHMS DC. SECONDARY: 317 TURNS TAPPED AT 212, 251 4/15/42 CRV:K-901508 AUG. 42		CRV:K-901508- 501 SUB 2	CRV 30830 SA, SA-1 POWER TRANSFORMER: PRI/SEC#1/SEC#2: 117 VOLTS SINGLE PHASE 60 CYCLES/800 VOLTS DC CT/5 VOLTS AC; 1.267/.021/3 AMP; 177/1240 CT/8 TURNS, .0403/.0179/.0403 E WIRE, .91/40.2/.066 OHMS DC RESISTANCE.	4/15/42 K-901450 JUNE 42	CRV:901450- 501, SUB 1
CAY 30819 RBM, 1 & 2 REACTOR FILTER: RATED 10 HENRIES AT 0.1 AMP DC. DC RESISTANCE 133 OHMS. WIRE, #30 ENAMEL. 2500 TURNS.	3/22/42 L-382523 JUNE 42	CAY:P-7705670- 15 SUB 9	AND 285 TURNS, 0.0503 E WIRE, 1.82 OHMS DC. PRI- MARY RATED 3 AMPS, SECONDARY RATED 1.25 AMPS.		CRV 30825 501 SUB 2	CRV 30831 SA, SA-1 POWER TRANSFORMER: PRI/SEC#1/SEC#2/SEC#3/SEC#4: 117 VOLTS SINGLE PHASE 60 CYCLES/650 VOLTS DC CT/ 7.5 AC, CT/25 AC, CT/6.3 AC, CT VOLTS, 2.97/.05/16/4/8 AMP, 145/826 CT/10 CT/32 CT/8 CT TURNS, .0641E/.0159E/.150 X .150 DCC/.0808E/.0808E WIRE, .36/38.6/.024/ 4/15/42 K-901467 JUNE 42	CRV:901467- 501, SUB 1	
CAY 30820 RBM, 1 & 2 OUTPUT TRANSFORMER: PRIMARY/SECONDARY, TURNS RATIO 3700/965, CURRENT RATING 18.5/20 MA. DC RESISTANCE 570/55 OHMS. WIRE SIZE #33/#32 ENAMEL, VOLTAGE RATING 74/10 AC RMS. FREQUENCY LIMITS 200 TO 3000 CPS. PRIMARY INDUCT- TANCE 7 HENRIES. INCLUDES STATIC SHIELD 3/22/42 L-382521 APR. 42		CAY:P-7705670- 11, SUB 9	CRV 30826 SA, SA-1 POWER TRANSFORMER: PRI/SEC/FIL#1/FIL#2/FIL#3: 117 VOLTS SINGLE PHASE 60 CYCLES /2015/2.5/6.33/ 2.5 VOLTS, .225/.003/1.75/.6/1.75 AMPS. 430/7700/10/25/10 TURNS, .0126E/.0031/ .032/.0201/.032 E WIRE, 14.2/5050/.021/ .47/.079 OHMS, DC. TERMINALS 1-2/5-CASE 4/15/42 K-901337 JUNE 42		CRV:K-901337- 501, SUB 1	CRV 30832 SA, SA-1 POWER TRANSFORMER: PRI#1/PRI#2/SEC: 115 VOLTS SINGLE PHASE 60 CYCLES AC/115 VOLTS, SINGLE PHASE 60 CYCLES AC/6000 VOLTS; 4/4/.08 AMP, 180/ 180/9600 TURNS, .847/.97/.010 E WIRE, .70/.81/1325 OHMS DC RESISTANCE. TERMI- NALS 1-2/4-5/3- STANDOFF INSULATOR. 4/15/42 K-901451 JUNE 42	CRV:K-901451- 501, SUB 3	
BETWEEN PRIMARY AND SECONDARY, GROUNDED TO CASE.		CAY 30820	CRV 30826 15-6/3-4/7-8.			CRV 30833 SA, SA-1 INPUT TRANSFORMER: TURNS RATIO: PRI/SEC IS 1:2. PRI/SEC: 720CT/1440CT TURNS 0.0113 E WIRE, 29.7/ 75.2 OHMS DC; RATED 115/230/1/60, 0.025/ 0.013 AMP. INPUT/OUTPUT IMPEDANCE 5000/ 20000 OHMS. PRIMARY INDUCTANCE AT 30 V 60 CYCLES AND 0 DC IS 15 HENRY MINIMUM. 4/15/42 CRV:K-901466 AUG. 42	CRV:K-901466- 501 SUB 1	
CAY 30821 RBM, 1 & 2 FILAMENT TRANSFORMER: PRIMARY/SECONDARY, VOLTAGE RATING 115/12 AC RMS, CURRENT RATING, 0.11/0.75 AMP. DC RESISTANCE 60/0.85 OHMS, WIRE SIZE #30/#22 ENAMEL, TURNS RATIO 1470/172. RATED 60 CYCLES, 9 VA.	3/22/42 L-382580 APR. 42	CAY:P-7705670-8 SUB 9						

RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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PRIMARY TERMINALS 1-2-3, CRV 30833
SECONDARY TERMINALS 5-6-7; CASE TERMINAL 4.

30838 TBY
AUDIO INTERSTAGE TRANS-
FORMER: TWO PRIMARY WINDINGS (P1, P2)
ONE SECONDARY (S1) TURNS RATIO P1/P2/S1
/2300/216/7100 ± 2%. PRIMARY (P1) 2900
TURNS 1300 OHMS ± 15% DC RESISTANCE,
PRIMARY (P2) 216 TURNS #38 AWG WIRE
CLOSEST TO CORE 18 OHMS (+25%-15%) DC
5/7/42
JUNE 42

CRV 30842 QCP
OUTPUT TRANSFORMER:
TURNS RATIO PRIMARY TO SECONDARY 2.96 TO
1. PRIMARY IMPEDANCE AT 3 VOLTS 60
CYCLES AND 0 AMPS DC IS 2300 OHMS MINI-
MUM. PRIMARY #1 AND #2 ARE SERIES CON-
NECTED TO FORM A CENTER-TAPPED PRIMARY.
EACH PRIMARY 460 TURNS .0056E, 46.8 OHMS
5/24/42 XT-3791 CRV:K-901468
JUNE 42 SUB 1

CRV 30834 SA, SA-1
AUDIO REACTOR:
IMPEDANCE AT 30 VOLTS 60 CYCLES AC AND
.073 AMP DC SHALL BE 5000 OHMS MINIMUM.
WINDING IS 3440 TURNS .0063 E WIRE, 400
OHMS ± 10% DC RESISTANCE.

30838

CRV 30842

4/15/42 K-901055 CRV:K-901055-
JUNE 42 501, SUB 2

RESISTANCE. SEC. (S1) 7100 TURNS TAPPED
AT MIDPOINT TOTAL DC RESISTANCE 4000
OHMS ± 15%. ALL WINDINGS INSULATED FROM
EACH OTHER AND CORE FOR TEST OF 1250
VOLTS 60 CYCLES FOR 1 MINUTE. MIN. PRIM.
(P1) INDUCTANCE AT 3 VOLTS 60 CYCLES AND
4 MA DC IS 17 HENRIES.

DC. SECONDARY #1 AND #2 ARE SERIES CON-
NECTED TO FORM A CENTER-TAPPED SECONDARY
SEC#1/SEC#2. 155/155 TURNS .013E,
3.3/4.48 OHMS DC. RATED FREQUENCY 800
CYCLES (750 TO 1300 CYCLE RANGE).

CAY 30835 TBU-1.-2
FILAMENT TRANSFORMER:
6VA, 50 TO 60 CPS. PRI. 2 COILS WHICH
CAN BE CONNECTED IN SERIES OR MULTIPLE
FOR OPERATION FROM 70/100/140/200 VOLTS.
EACH WINDING RATED 70/30 VOLTS .045 AMP
535/230 TURNS #29 ENAMEL 19.7/8.4 OHMS DC
SECONDARY 6.3 VOLTS AT .9 AMP, 53 TURNS
4/20/42 L-382678 CAY:T-7607328-
AUG. 43 14, SUB 4

30839 TBY
OUTPUT MODULATION TRANS-
FORMER: ONE PRIMARY (P1), TWO SECONDARY
(S1,S2). TURNS RATIO P1/S1/S2 - 6.67/1.0
/4.0 ± 2%. PRIMARY 5000 TURNS CENTER
TAPPED, TOTAL DC RESISTANCE 2000 OHMS ±
15%, TO OPERATE AT 100 VOLTS FROM 200
TO 2500 CYCLES. SECONDARY (S1) 750 TURNS
5/7/42
JUNE 42

CRV 30843 QCP
FILAMENT TRANSFORMER:
PRIMARY 105/115/125/1/60, 1.2 AMPS, 306
TURNS .0359E TAPPED AT 282 AND 257,
TOTAL RESISTANCE 1.60 OHMS DC. SECOND-
ARY 6.3 VOLTS CT AT 18 AMPS, 16 TURNS
.125 X .150 DCC TAPPED AT 8. TOTAL RE-
SISTANCE .0084 OHMS DC.
5/24/42 XT-4118 CRV:K-901469
JUNE 42 SUB 2

CAY 30835

30839

#23 ENAMEL, 0.59 OHMS DC. ELECTRICALLY
IDENTICAL TO CAY-30728 BUT MOUNTING FEET
TURN OUTWARD INSTEAD OF INWARD.

DC RESISTANCE 350 OHMS ± 15%. SECONDARY
(S2) 3000 TURNS DC RESISTANCE 495 OHMS
MIN. 700 OHMS MAX. ALL WINDINGS TO BE
INSULATED FROM EACH OTHER AND CORE FOR
TEST OF 1250 VOLTS AC, 60 CYCLES FOR 1
MINUTE. MINIMUM SECONDARY (S2) INDUCT-
ANCE AT 3 VOLTS 60 CYCLES AND .016 AMP
DC IS 8 HENRIES.

CRV 30844 QCP
OUTPUT TRANSFORMER:
TURNS RATIO PRIMARY TO SECONDARY 12.1 TO
1. PRIMARY IMPEDANCE AT 30 V 60 CPS & 0
AMPS, DC. IS 3800 OHMS MINIMUM. PRI. #1
AND #2 ARE SERIES CONNECTED TO FORM A
CENTER-TAPPED PRIMARY. EACH PRI. 290
TURNS 0.0159E, 7.65 OHMS DC. SEC #1 AND
5/24/42 CAY:XT-4125 CRV:K-901471
AUG. 42 SUB 1

CAY 30836 TBU-1.-2
FILAMENT TRANSFORMER: 6VA, 25 CYCLES,
PRIMARY 2 COILS WHICH CAN BE CONNECTED
IN SERIES OR MULTIPLE FOR OPERATION FROM
70/100/140/200 VOLTS. EACH WINDING RATED
70/30 VOLTS .045 AMP, 560/240 TURNS #29
ENAMEL, 30/15 OHMS DC. SECONDARY 6.3
VOLTS AT .9 AMP, 58 TURNS #23 ENAMEL,
4/20/42 L-382679 CAY:T-7607328-
AUG. 43 15, SUB 4

CRP 30840 RBM.-1.-2
POWER TRANSFORMER:
RATED .092 KVA (SEC) PRIMARY RATED: 115/
1/60 AT .73 AMPS, 260 TURNS #20 E
WIRE, SEC#1/SEC#2/SEC#3 RATED 572 CT/
5CT/12.1 VOLTS, .08/2.9/3.0 AMPS 1350/
29/12 TURNS #29E/17E/19E WIRE, 40°C TEMP.
RISE. SIMILAR TO CRP-30841. EXCEPT
5/24/42 U-5803-B @ SEE PLATE 2
OCT. 42

2 ARE BOTH CENTER TAPPED CRV 30844
AND CONNECTED IN MULTIPLE
TO FORM A CENTER TAPPED SECONDARY; SEC.
#1/SEC#2; 48 CT/48 CT TURNS OF 3-0.020E
WOUND PARALLEL, 0.222/0.312 OHMS DC.
RATED FREQUENCY RANGE 17 TO 27 KC; OPER-
ATES BETWEEN 9000 OHMS SOURCE AND 60
OHMS LOAD.

CAY 30836

CRP 30840

.93 OHMS DC. ELECTRICALLY IDENTICAL TO
CAY-30729 BUT MOUNTING FEET TURN OUTWARD
INSTEAD OF INWARD.

FOR FREQUENCY.
@ CAY:P-7708333-1, SUB 3
CAY:P-778341 SUB 1

CG-30845 TCJ & TCJ-1
AUDIO OSCILLATOR TRANS-
FORMER: FULL PRIMARY TO FULL SECONDARY,
2.78 TO 1. 1,000 CYCLES DC. PRIMARY RE-
SISTANCE; 18 OHMS TAPPED AT 5 OHMS. DC
SECONDARY RESISTANCE; 22 OHMS TAPPED AT
20 OHMS. SAME AS CG-30407 ELECTRICALLY.
BUT WINDINGS ARE CONTAINED IN A CAN.
5/27/42 CG:7467104 CG:M-7467140-1
AUG. 42

30837 TBY
AUDIO INPUT TRANSFORMER:
ONE PRIMARY (P1), TWO SECONDARIES (S1,
S2) TURNS RATIO P1/S1/S2 - 3/6/2. P1
3000 TURNS, 1750 OHMS ± 15% DC RESIST-
ANCE. SECONDARY S1 6000 TURNS 2900 OHMS
(+15%, -25%) DC RESISTANCE, SECONDARY
S2 2000 TURNS 1300 OHMS ± 15% DC RESIST-
5/7/42
JUNE 42

CRP 30841 RBM.-1.-2
POWER TRANSFORMER: RATED
.092 KVA (SEC). PRIMARY RATED 115/1/26
AT .73 AMPS, 260 TURNS #20 E WIRE, SEC#
1/SEC#2/SEC#3 RATED 572/5/12.1 VOLTS
.08/2.9/3 AMPS 1350/29/12 TURNS #28E/
#17E/19E WIRE, 40°C TEMP RISE. SIMILAR
TO CRP-30840 EXCEPT FOR FREQUENCY.
5/24/42 V-5084-B @ SEE PLATE 2
OCT. 42

CG-30846 TBC-4
MAIN PLATE TRANSFORMER:
RATED 124 KVA, INPUT 230/3/50-60, 311
AMPS, DELTA CONNECTED. SECONDARY; 12800
VQLTs STAR CONNECTED WITH TAPS FOR
11600,10530,9400,8270,7140,6010 AND 4880
VOLTS, SIMILAR TO CG-30458A EXCEPT OPER-
ATES FROM 50 TO 60 CYCLES.
5/28/42 KT2428 CG:P-7761327
NOV. 43 REV 7

30837

CRP 30841

ANCE. ALL WINDINGS INSULATED FROM EACH
OTHER AND CORE FOR TEST VOLTAGE OF 1250
VOLTS 60 CYCLES FOR ONE MINUTE. MINIMUM
INDUCTANCE OF PRIMARY AT 3 VOLTS 60
CYCLES AND 2 MA. DC TO BE 24 HENRIES.

@ CAY:P-7708333-2, SUB 3; P-7708341 SUB1

CW-30847 * SEE BELOW
OUTPUT TRANSFORMER:
TURNS RATIO; 1 TO 2. APPROXIMATE IMPED-
ANCE RATIO 75 TO 300 OHMS. PRIMARY: 30
TURNS OF #24 AWG, EC WIRE, 0.1 OHMS DC.
RESISTANCE. SECONDARY: 60 TURNS OF #30.
AWG EC WIRE, 0.85 OHMS DC RESISTANCE.
* RADAR MARK 9
6/2/42 CW:D-162730 CW:ESL-653568
AUG. 42 ISSUE 1

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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CAT 30848 SA
 TRANSFORMER VARIABLE:
 PRIMARY RATED 105-125/1/60, 11 AMPS;
 TERMINALS 1-2; TWO SECTION TYPE, TWO
 COILS PER SECTION, THE TWO SECTIONS IN
 SERIES PARALLEL, EACH SECTION 141 TURNS
 #20 ENAMEL WIRE, 0.0625 OHMS DC (FOR TWO
 SECTIONS). SECONDARY: 115/1/60, 10 AMPS;
 6/3/42 RH: CRV:M-421632-1
 AUG. 42 SUB 3

TERMINALS 1-3; 31 TURNS **CAT 30848**
 #12 SQUARE DCC WIRE, 0.93
 OHMS DC. PRIMARY IS TAPPED 15 TURNS UP
 FOR 6.0 VOLTS AT 0.135 AMP; SAME AS CAT-
 30849 EXCEPT SHAFT EXTENSION IS ON OP-
 POSITE END AND COMMUTATOR WINDING IS RE-
 VERSED SO CLOCKWISE ROTATION GIVES SAME
 RESULTS.

CAT 30849 SA-1
 TRANSFORMER VARIABLE:
 PRIMARY RATED 105-125/1/60, 11 AMPS;
 TERMINALS 1-2; TWO SECTION TYPE, TWO
 COILS PER SECTION, THE TWO SECTIONS ARE
 IN SERIES PARALLEL, EACH SECTION 141
 TURNS #20 ENAMEL WIRE, 0.0625 OHMS DC
 (FOR TWO SECTIONS). SECONDARY: 115/1/60,
 6/3/42 KH: CRV:M-421632-2
 AUG. 42 SUB 3

10 AMPS; TERMINALS 1-3 31 **CAT 30849**
 TURNS #12 SQUARE DCC WIRE,
 0.93 OHMS DC. PRIMARY IS TAPPED 15 TURNS
 UP FOR 6 VOLTS AT 0.135 AMPS. SAME AS
 CAT-30848 EXCEPT SHAFT EXTENSION IS ON
 OPPOSITE END AND COMMUTATOR WINDING IS
 REVERSED SO CLOCKWISE ROTATION GIVES
 SAME RESULTS.

CW-30850 * SEE BELOW
 FILAMENT TRANSFORMER:
 PRIMARY: 1270 TURNS OF #33 E WIRE, 69.5
 OHMS DC RESISTANCE 115 VOLTS, 60 CYCLES
 0.15 AMP, 14 WATTS. SECONDARY: 90 TURNS
 OF #20 EC WIRE, 0.60 OHM DC RESISTANCE,
 6.35 VOLTS, 1.5 AMPS.
 * RADAR MARK 10
 6/8/42 CW:KS-8773 CW:ESL-638766
 AUG. 42 ISSUE 1

CW-30851 * SEE BELOW
 FILAMENT TRANSFORMER:
 PRIMARY: APPROX. 1290 TURNS OF #33 E
 WIRE, 80 OHMS DC RESISTANCE, 115 V, 60 C
 0.1 AMP, 6 WATTS. SECONDARY: CENTERTAPP-
 ED, 77 TURNS OF #21 E WIRE, 0.4 OHM DC
 RESISTANCE, 6.3 V, 0.6 AMP, 700 VOLTS
 * RADAR MARK 9
 6/8/42 CW:KS-8774 CW:ESL-638632
 AUG. 42 ISSUE 1

PEAK TO GROUND. **CW-30851**

CW-30852 * SEE BELOW
 PLATE TRANSFORMER:
 PRIMARY APPROX. 1290 TURNS OF #33 E
 WIRE, 80 OHMS DC RESISTANCE, 115 VOLTS,
 60 CYCLES 0.1 AMP, 4 WATTS. SECONDARY:
 APPROX. 3000 TURNS OF #40 E WIRE, 1600
 OHMS DC RESISTANCE, 335 VOLTS, 0.002 AMP
 * RADAR MARK 9
 6/8/42 CW:KS-8775 CW:ESL-638633
 AUG. 42 ISSUE 1

475 VOLTS PEAK TO GROUND. **CW-30852**

CAY 30853 TDE
 REACTOR:
 RATED 2.25 HENRYS AT 0.09 AMP DC. FRE-
 QUENCY RANGE: 114 TO 126 CPS. 1600 TURNS
 #28 ENAMEL WIRE, 39.0 OHMS DC ±15%.

6/16/42 CAY:L-382618 CAY:P-7705670-8
 AUG. 42 SUB 11

CAY 30854 TDC
 INPUT TRANSFORMER:
 USED AS MICROPHONE TRANSFORMER. FREQ.
 RANGE: 300 TO 3000 CPS. PRI #1/PRI#2/
 SEC. 345/200/6000 TURNS #50/#30/#38
 ENAMELED WIRE, 13.5/7.8/1535 OHMS DC RE-
 SISTANCE. 7.5/7.5/225 VOLTS. TERMINALS,
 1-2-7/5-6/3-4, IMPEDANCE 600/200/45000
 6/16/42 CAY:L-382619 CAY:P-7705670-8
 MAR. 43 SUB 11

OHMS. PRI #1 TAPPED AT **CAY 30854**
 200 TURNS FOR 200 OHMS IMPEDANCE INPUT.
 ALL WINDINGS RATED 0.09 AMP DC.

CAY 30855 TOE
 MODULATION TRANSFORMER:
 FREQUENCY RANGE: 300 TO 3000 CPS. WIND-
 ING #1/WDG #2/WDG #3: 3500/1050/7000
 TURNS #40/#36/#40 WIRE, ENAMEL; 1015 ±
 15%/92 ± 15%/2740 ±15% OHM DC. RESIST-
 ANCE: 700/200/350 VOLTS TERMINALS 1-2/
 5-6/3-4. IMPEDANCE INPUT; 10,000 OHMS,
 6/16/42 CAY:L-332620 CAY:P-7705670-
 AUG. 42 SUB 11

OUTPUT; 40,000 OHMS. ALL **CAY 30855**
 WINDINGS RATED 0.025 AMP
 DC.

CW-30856 * SEE BELOW
 PLATE TRANSFORMER:
 PRIMARY: RATED 115/1/60, 0.1 AMP, 8
 WATTS; 1190 TURNS #34 E; 90 OHMS DC RE-
 SISTANCE; SECONDARY: RATED 580 VOLTS CT,
 0.015 AMP; 6400 TURNS CT, #40 E WIRE;
 2600 OHMS DC RESISTANCE. PRIMARY TERMI-
 * MARK 9, MARK 10
 6/16/42 CW:KS-8776 CW:ESL-638634
 AUG. 42 ISSUE 1

NALS 1-2; SECONDARY **CW-30856**
 TERMINALS 3-4-5. SECOND-
 ARY INSULATION: 750 VOLTS PEAK TO
 GROUND. SHIELD CONNECTED TO CASE.

CW-30857 * SEE BELOW
 PLATE TRANSFORMER:
 PRIMARY: RATED 115/1/60, 0.2 AMPS, 10
 WATTS; 721 TURNS #28 E, 20 OHMS DC. RE-
 SISTANCE. SECONDARY: RATED 1900 VOLTS,
 0.007 AMP; 12440 TURNS #40 E, 6700 OHMS
 DC. RESISTANCE. PRIMARY TERMINALS 1-2;
 * MARK 9, MARK 10
 6/16/42 CW:KS-8777 CW:ESL-638628
 AUG. 42 ISSUE 1

SECONDARY TERMINALS 3-4; **CW-30857**
 TERMINAL 3 CONNECTED TO
 CASE.

CW-30858 * SEE BELOW
 FILAMENT TRANSFORMER:
 PRIMARY: RATED 115/1/60, 0.1 AMPS, 11
 WATTS; 723 TURNS #25 E, 10 OHMS DC. RE-
 SISTANCE. SEC. #1: RATED 2.6 VOLTS, 1.75
 AMPS; 44 TURNS #22 E, 0.4 OHMS DC. RE-
 SISTANCE. SEC. #2: RATED 6.6 VOLTS, 0.6
 * MARK 9, MARK 10
 6/16/42 CW:KS-8778 CW:ESL-638630
 AUG. 42 ISSUE 1

AMP; 18 TURNS #19, 0.1 **CW-30858**
 OHMS DC. RESISTANCE. SEC
 #1 INSULATED 2700 V PEAK TO GROUND. SEC.
 #2 INSULATED 2000 V. PEAK TO GROUND.
 PRIMARY TERMINALS 1-2; SEC. #1 TERMINALS
 3-4; SEC. #2 TERMINALS 5-6. EACH WINDING
 SHIELDED, SHIELD CONNECTED TO CASE.

CW-30859 * SEE BELOW
 FILAMENT TRANSFORMER:
 PRIMARY: RATED 105/110/115/1/60, 1 AMP,
 110 WATTS; 197 TURNS #20 E TAPPED AT
 181 AND 189 TURNS; 1.5 OHMS DC. RESIST-
 ANCE. SEC. #1/SEC. #2/SEC. #3/SEC. #4: 1.7/
 10/5/6.3 VOLTS; 2/5/5/3.5 AMPS; 3/18/9/
 * MARK 9, MARK 10
 6/16/42 CW:KS-8780 CW:ESL-638629
 AUG. 42 ISSUE 1

11 TURNS OF 2-#16 E WIRE; **CW-30859**
 0.01/0.04/0.02/0.02 OHM
 DC. RESISTANCE. ALL WINDINGS INSULATED
 ONLY FOR GROUND POTENTIAL. SHIELD BE-
 TWEEN PRIMARY AND SECONDARY CONNECTED TO
 CASE. TERMINALS 1-2-3-4/5-6/7-8/9-10/
 11-12 FOR PRI/SEC.#1/SEC.#2/SEC.#3/SEC.#4

CW-30860 * SEE BELOW
 FILAMENT TRANSFORMER:
 PRIMARY: RATED 115/1/60, 2.5 AMPS, 260
 WATTS; 138 TURNS #17 E, 0.7 OHM DC. SEC
 #1/SEC#2/SEC#3/SEC#4/SEC#5: 6.3 VOLTS
 EACH, 12/18/10.6/10 AMPS, 8 TURNS EACH,
 0.01 X 0.75 COPPER SHEET/DITTO/DITTO/2-
 * MARK 9, MARK 10
 6/16/42 CW:KS-8781 CW:ESL-638631
 MAR. 43 ISSUE 1

#26 E/0.1X0.75 COPPER **CW-30860**
 SHEET; 0.01/0.01/0.01/
 0.2/0.01 OHMS DC. RESISTANCE, TERMINALS
 3-4/5-6/7-8/9-10/11-12. PRIMARY: TERMI-
 NALS 1-2. ALL SECONDARIES INSULATED
 FOR GROUND POTENTIAL EXCEPT #4 WHICH IS
 400 V PEAK. SHIELD BETWEEN PRIMARY AND
 SECONDARIES CONNECTED TO CASE.

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CW-30861	* SEE BELOW		CG-30866	SC-2		CG-30874	SC-2	
<p>FILTER REACTOR: RATED 8 HENRIES AT 650 VOLTS 120 CYC. AND 0.25 AMP DC. 1700 TURNS #25 E, 70 OHMS DC. RESISTANCE. INSULATION: 2500 V. PEAK TO GROUND.</p> <p>* MARK 9, MARK 10 6/16/42 CW:KS-8782 CW:ESL-638635 MAR. 43 ISSUE 1</p>			<p>POWER TRANSFORMER: PRIMARY 110 VOLTS, 60 CYCLES, .0461 KVA. THREE SECONDARY WINDINGS. #1-6.3V, 1.8 AMPS; #2-6.3 VOLTS, 0.8 AMP; #3-330 VOLTS, 0.090 AMP TAPPED FOR 30 AND 300 VOLTS.</p> <p>6/17/42 CG:67G779 CG:M-7465797-1 MAR. 44 REV 3</p>			<p>AUTOTRANSFORMER (VARIABLE): VARIABLE AUTOTRANSFORMER. INPUT 90 TO 130 VOLTS, 50 TO 60 CYCLES. OUTPUT 115 VOLTS, 7.5 AMPS, .860 KVA.</p> <p>6/17/42 CG:68G245 CG:ML-7467211-1 AUG. 42 REV 3</p>		
CW-30862	* SEE BELOW		CG-30867	SC-2		CG-30875	SC-2	RE 13A 553A
<p>PLATE TRANSFORMER: PRIMARY: RATED 115/1/60, 6 AMPS, 500 WATTS; 96 TURNS 0.075 X 0.10 WIRE, 0.1 OHMS DC. RESISTANCE; TERMINALS 1-2. SECONDARY: 855 VOLTS CT, 1.0 AMP, 726 TURNS CT, #18 E, 7 OHMS DC. RESISTANCE.</p> <p>* MARK 9, MARK 10 6/16/42 CW:KS-3785 CW:ESL-638611 AUG. 42 ISSUE 1</p>			<p>AUTO-TRANSFORMER: INPUT 115 VOLTS, 60 CYCLES. OUTPUT 78 VOLTS, .3 AMP. TEST VOLTS 1500 VOLTS RMS, 60 CYCLES. PRIMARY RATED .027 KVA.</p> <p>6/7/42 CG:67G999 CG:M-465908-1 OCT. 42 REV 2</p>			<p>HIGH VOLTAGE TRANSFORMER: TOTAL KVA 0.0727. PRIMARY 115 V, 60 CYCLES. SECONDARIES: #1-6.3 V, 0.6 AMP; #2-2.5 V, 1.75 AMPS; #3-1600 V, 0.002 AMP DC. ELECTROSTATICALLY SHIELDED.</p> <p>6/17/42 CG:K-27J300 CG:K27J300 OCT. 42 REV 5</p>		
TERMINALS 3-4-5. SECOND- CW-30862			CG-30868	SC-2		CG-30876	SC-2	
<p>ARY INSULATED FOR 600 V PEAK TO GROUND. SHIELD CONNECTED TO CASE.</p>			<p>TRANSFORMER: PRIMARY: 115 VOLTS, 60 CYCLES, .033 KVA SECONDARY 750 VOLTS AND TAPPED FOR 3/5/ 500/625 VOLTS.</p> <p>6/17/42 CG:68G13 CG:M-746572-1 AUG. 42 REV 4</p>			<p>POWER TRANSFORMER: PRIMARY: 115 VOLTS, 60 CYCLES, .0284 KVA FOUR SECONDARY WINDINGS: #1-700 V, .01 AMP AC AND .005 AMP DC. TAPPED AT 350 VOLTS, .002 AMP; #2-6.3 VOLTS, .6 AMP; #3-6.3 VOLTS, .3 AMP; #4-5 VOLTS, 3 AMPS 2500 TEST VOLTS FOR SECONDARY WINDINGS.</p> <p>6/17/42 CG:7466320 CG:M-7466320-1 AUG. 42 REV 4</p>		
CW-30863	* SEE BELOW		CG-30869	SC-2		CG-30877	SC-2	RE 13A 553A
<p>PLATE TRANSFORMER: PRIMARY: RATED 115/1/60, 5 AMPS, 400 WATTS; 96 TURNS 0.075 X 0.10 WIRE, 0.1 OHMS DC. RESISTANCE; TERMINALS 1-2. SECONDARY: 3100 VOLTS CT, 0.2 AMP; 2620 TURNS CT, #25 E; 120 OHMS DC. RESISTANCE</p> <p>* MARK 9, MARK 10 6/16/42 CW:KS-8786 CW:ESL-638610 AUG. 42 ISSUE 1</p>			<p>FILAMENT TRANSFORMER: PRIMARY: 115 VOLTS, 60 CYCLES. TWO SECONDARY WINDINGS EACH 5 VOLTS, 6.5 AMPS. SECONDARY TEST VOLTS 26 KV. PRIMARY RATED .085 KVA.</p> <p>6/17/42 CG:68G63 CG:M-7465654-1 OCT. 42 REV 4</p>			<p>PLATE TRANSFORMER: PRIMARY 115 V, 58 TO 62 CYCLES, .114 KVA SECONDARY 800 VOLTS TAPPED AT 400 VOLTS, 200 MA. DC. HAS ELECTROSTATIC SHIELD. PRIMARY TEST VOLTAGE 1.5 KV RMS; SECOND- ARY, 3.0KV RMS.</p> <p>6/18/42 CG:K27J298 CG:K-27J298 OCT. 42 UNIT #3 REV 5</p>		
TERMINALS 3-4-5; TERMINAL CW-30863			CG-30870	SC-2		CG-30878	SC-2	RE 13A 553A
<p>4 WHICH IS THE CENTER TAP IS CONNECTED TO THE SHIELD WHICH IS CON- NECTED TO THE CASE.</p>			<p>FILAMENT TRANSFORMER: DIAL LIGHT TRANSFORMER. TWO PRIMARY WINDINGS TO ALLOW OPERATION FROM 115/230 VOLTS, 60 CYCLES. SECONDARY: 6.3 VOLTS, 1.5 AMPS. TEST VOLTAGE 1500 VOLTS RMS, 60 CYCLES. PRIMARY RATED .016 KVA.</p> <p>6/17/42 CG:68G64 M-7465909-1 OCT. 42 REV 5</p>			<p>FILAMENT TRANSFORMER: PRIMARY 115 VOLTS, 58 TO 62 CYCLES, .0753 KVA .4 SECONDARY WINDINGS: SEC. #1/#2/#3/#4, 6.5/6.5/5.0/2.5 VOLTS, 8.0/ 0.6/3.0/1.75 AMPS. HI-POT TEST 1.5 KV FOR SECONDARIES 1,2,3; 5KV FOR SECONDARY #4.</p> <p>6/18/42 CG:K34J541 CG:K34J541 OCT. 42 UNIT #3 REV 1</p>		
CW-30864	* SEE BELOW		CG-30871	SC-2		CG-30879	SC-2	17 T 20A
<p>TRANSFORMER STEP-DOWN: PRIMARY: RATED 440/1/60, 6 AMPS, 2.6 KW; 235 TURNS #10 SQUARE DC WIRE, 0.3 OHMS DC. RESISTANCE, TERMINALS 1-2. SECOND- ARY: 115 VOLTS, 22 AMPS, 70 TURNS 0.135 X 0.270 RECTANGULAR DC. WIRE, 0.04 OHMS</p> <p>* MARK 9, MARK 10 6/16/42 CW:KS-8787 CW:ESL-638589 AUG. 42 ISSUE 1</p>			<p>FILAMENT TRANSFORMER: INDICATOR LIGHT TRANSFORMER. PRIMARY 115 VOLTS, 50-60 CYCLES. SECONDARY: 6 VOLTS; 0.25 AMP. TEST VOLTAGE 1500 VOLTS RMS, 60 CYCLES WEIGHT: 1 POUND. PRIMARY RATED .003 KVA</p> <p>6/17/42 CG:68G101 CG:M-7465807-1 OCT. 42 REV 4</p>			<p>PRIMARY 115 VOLTS, 60 CYCLES. TWO SECONDARIES: #1-400 VOLTS RMS CENTER- TAPPED FOR 200 VOLT OPERATION, 30 MA DC. #2. 6.3 VOLTS 3 AMPS.</p> <p>6/18/42 CG:K34J999 CG:K-34J999 MAR. 43 CG:M-1075-3 REV 4</p>		
DC. RESISTANCE, TERMINALS CW-30864			CG-30872	SC-2		CG-30880	SC-2	RE 13A 553A
<p>3-8. SECONDARY ALSO HAS TERMINALS 4,5,6 AND 7 WHICH CORRESPOND TO TAPS AT 8.64,66 AND 68 TURNS FROM TERMINAL 3.</p>			<p>PLATE TRANSFORMER: PRIMARY HAS FOUR TERMINALS. INPUT IS .350 KVA, 115 VOLTS, 60 CY ON ONE OF THE FOLLOWING TERMINALS: 1 AND 2/1 AND 3/1 AND 4 WITH SECONDARY VOLTAGES 6250/3850/ 2600 VOLTS RESPECTIVELY, 0.056 AMP. SECONDARY TEST VOLTAGE 26 KV.</p> <p>6/17/42 CG:68G110 CG:M-7466143-1 MAR. 43 REV 2</p>			<p>FILTER REACTOR: 10 HENRIES AT 0.250 AMP DC, 10 VOLTS, 60 CYCLES. CORE AND COIL TYPE CONSTRUCTION.</p> <p>CG:K-27J290 REV 5; CG:M-1076,1080,1085 CG:K27J290 G SEE ABOVE AUG. 43</p>		
CG-30865	SC-2		CG-30873	SC-2		CTR 30881	* SEE BELOW	
<p>GRID TRANSFORMER: PRIMARY: 55 VOLTS, 60/400 CYCLES, .0016 VA. TWO SECONDARIES: #1/#2, 20V/20V. SECONDARY LOAD 0.5 MEGOHM EACH WINDING. NET WEIGHT 35 POUNDS.</p> <p>6/17/42 CG:67G777 CG:M-7465790-1 AUG. 42 REV 4</p>			<p>FILAMENT TRANSFORMER: PRIMARY 115 VOLTS, 60 CYCLES, .150 KVA. SECONDARY 11.5 VOLTS, 11.3 AMPS; TEST VOLTS 2.5 KV.</p> <p>6/17/42 CG:68G117 CG:M-7465928-1 AUG. 42 REV 6</p>			<p>TRANSFORMER: PRIMARY RATED 450/1/60, 150 VA, .29 AMP, 1337 TURNS #27 WIRE, 40 ±2% OHMS DC RESIST- ANCE. SECONDARY RATED 115/1/60, 1.04 AMPS, 120 VA, 366 TURNS #21 WIRE, 3.4 ±6% OHMS DC RESISTANCE. * ACCESSORY FOR MN 6/2/42 7911 1410-16 OCT. 42</p>		
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CRP 30896 SG
POWER TRANSFORMER:
PRI/SEC #1/SEC #2/SEC #3: 115 V. 60 CPS
1 PHASE/436 V. CT/6.3 V. CT/6.3 V; 0.21/
.025/1.5/0.6 AMPS; 516/2090 CT/30 CT/ 30
TURNS; 27E/37E/19EN/24E WIRE; 15.8/830/
.193/.64 OHMS MAX. DC.; PRI VA=24.2;
OUTPUT VOLTAGE TOLERANCE ± 5%. EXCITING
7/9/42 CRP:UX-6919 CRP:DL74-682
AUG. 43 REV 3

VOLTAGE AND FREQUENCY NOT TO EXCEED 0.09 AMP. CRP 30900

CRP 30905 SG
POWER TRANSFORMER:
PRI/SEC #1/SEC #2; 115 VOLTS. 60 CYCLES.
1 PHASE/2.5 VOLTS/1030 VOLTS. .13/1.75/
.0075 AMPS; PRI VA=15; 850/20/7650 TURNS
#24E/118E/40E WIRE; 28/.89/7150 OHMS
MAX. DC. RES.. OUTPUT VOLTAGE TOLERANCE
± 5%; EXCITING CURRENT AT RATED VOLTAGE
7/9/42 CRP:UX-6913 CRP:DL74-682
MAR. 43 REV 3

CURRENT AT RATED VOLTAGE AND FREQUENCY NOT TO EXCEED 0.08 AMP. CRP 30896

CRP 30901 SG
PLATE TRANSFORMER:
PRI/SEC; 115 V. 60 CYCLES, 1 PHASE/870 V
CT: 311/2470 CT TURNS; 22E/31E WIRE;
3.9/320 OHMS MAX. DC. RES.; 0.62/0.09
AMP.; PRI VA=71; OUTPUT VOLTAGE TOLER-
ANCE ± 5%; EXCITING CURRENT AND FRE-
QUENCY NOT TO EXCEED 0.15 AMP.
7/9/42 CRP:UX-6392 CRP:DL74-659
AUG. 43 REV 3

AND FREQUENCY NOT TO EXCEED 0.056 AMP. CRP 30905

CRP 30897 SG
FILAMENT TRANSFORMER:
PRI/SEC. #1/SEC.#2/SEC.#3/SEC.#4/SEC.#5;
115 V. 60 CYCLES. 1 PHASE/3 V/5 V/6.3/
6.3/6.3; .48/5.2/2.0/4.7/0.45/0.3 AMPS;
346/9-1/2/6-1/2/20/20/20 TURNS; 23E/16E/
17E WIRE/26E/25E SIZE WIRE; 4.95/.022/
.037/.043/.44/.68 OHMS MAX. DC. RES: PRI
7/9/42 CRP:UX-7009 CRP:DL74-663
AUG. 43 REV 3

CRP 30902 SG
FILAMENT TRANSFORMER:
PRI/SEC #1/SEC #2/SEC #3/SEC #4/SEC #5;
115 VOLTS 60 CYCLES, 1 PHASE/5 VOLTS/6.3
VOLTS/6.3 VOLTS/6.3 VOLTS/6.3 VOLTS;
0.292/3.0/.45/.45/.9/.6 AMPS; PRI VA=33.
6; 338/15-1/2/19-1/2/19-1/2/20/19-1/2
TURNS; #25EN/#15EN/#25EN/#23EN/#20EN/
7/9/42 CRP:UX-7004 CRP:DL74-661
AUG. 43 REV 3

CG-30906 SG
INPUT TRANSFORMER:
PRI #1/PRI #2/PRI #3/PRI #4/PRI #5/PRI
#6/SEC #1/SEC #2; 60 CY. 1 VOLT/1.5
VOLT/3 VOLTS/6 VOLTS/8 VOLTS/10 VOLTS/50
VOLTS/50 VOLTS; PRIMARY CONSISTS OF ONE
WINDING WITH TAPS; PRI. 1850 OHMS/SEC #1
7000 OHMS/SEC #2 - 8300 OHMS; PRI 3160 T
7/3/42 CG:686312 CG:K-5805499-EJ
MAR. 43 REV 1

VA=55; S1 AND S2 ARE NEVER USED SIMULTANEOUSLY; OUTPUT VOLTAGE TOLERANCE ± 5%; EXCITING CURRENT AT RATED VOLTAGE AND FREQUENCY NOT TO EXCEED .092 AMP; TERMINALS FOR S1 AND S2 ARE CONNECTED TO A C.T. WINDING. CRP 30897

#22EN WIRE; 8.2/.05/.36/.36/.20/.32 OHMS MAX. DC. RES.; OUTPUT VOLTAGE TOLERANCE ± 5%; EXCITING CURRENT AT RATED VOLTAGE AND FREQUENCY NOT TO EXCEED 0.1 AMP. CRP 30902

OF .0035 E WIRE/SEC #1. 15800 T OF .0035" E WIRE/SEC #2 15800 T OF .0035" E WIRE. CG-30906

CRP 30898 SG
AUDIO TRANSFORMER:
PRI/SEC; 350/350 TURNS; 10/12.6 OHMS
MAX. DC. #23EN/#29EN WIRE; 600/600 OHMS
IMPEDANCE; PRI. 1ND AT 6 V. AC. 60 CY-
CLES = 1.5H ± 10%; RESPONSE = ± 0.5 DB.,
500-6000 CYCLES; TURNS RATIO TOLERANCE
± 1%.
7/9/42 CRP:UX-7008 CRP:DL74-645
AUG. 43 REV 4

CRP 30903 SG
POWER TRANSFORMER:
PRI/SEC #1/SEC #2; 115 VOLTS, 60 CYCLES,
1 PHASE/980 VOLTS CT AND LOW TAP AT 230
VOLTS FROM CT/6.3 VOLTS; PRI VA=60; PRI
1=0.52 AMP/CT-LOAD=0.80 AMP; HV-CT-HV=
.031 AMP/0.6AMP; 384/LOA-CT=600/ HV-HV=
1726 TURNS; 23E/32EN/35E/23EN WIRE;
7/9/42 CRP:UX-7003-A CRP:DL74-652
AUG. 43 REV 4

CG-30907 SG
POWER TRANSFORMER:
PRIMARY RATED 115V, 60 CYCLES, 0.0378
KVA, 535 TURNS OF #25E WIRE, 9.73 OHMS
DC RES: SEC: #1/2/3/4 RATED 300V/300V
/300V/6V AT 3VA/3VA/3VA/1.8A, 1540/1540/
1540/32 CT TURNS OF #34E/#38E/#38E/#20E
WIRE; 457/490/527/0.243 OHMS DC RES.
7/9/45 CG:673861 CG:A-5305499 DD
MAY 45 REV 5

CRP 30899 SG
FILAMENT TRANSFORMER:
PRI/SEC #1/SEC #2/SEC #3; 115 VOLTS. 60
CYCLES, 1 PHASE/2.5 VOLTS/6.3 VOLTS CT/
6.3 VOLTS; 0.49/2.1/6.4/0.6 AMPS; PRI.
VA=54; 346/8/20 CT/20 TURNS; #23EN/2X20
EN/13EN/22EN WIRE; 4.9/0.04/0.04/0.33
OHMS MAX. DC; OUTPUT VOLTAGE TOLERANCE
7/9/42 CRP:UX-6912-A CRP:DL74-653
AUG. 43 REV 4

5.3/250/645/.44 OHMS MAX. DC. RES; OUTPUT VOLTAGE TOLERANCE ± 10%; EXCITING CURRENT AT RATED VOLTAGE AND FREQUENCY NOT TO EXCEED 0.09 AMP. CRP 30903

CRP 30908 SG
POWER TRANSFORMER:
PRI/SEC; 115 VOLTS, 60 CY. 1 PHASE/143 V
0.49/.33 AMP; PRI VA=56.2; 625/831 TURNS
#24E/#26E WIRE; 9.2/25.4 OHMS MAX. DC.
RES.. OUTPUT VOLTAGE TOLERANCE ± 10%;
EXCITING CURRENT AT RATED VOLTAGE & FRE-
QUENCY NOT TO EXCEED 0.065 AMP.
7/9/42 CRP:UX-6921 CRP:DL74-675
MAR. 43 REV 4

± 5%; EXCITING CURRENT AT RATED VOLTAGE AND FREQUENCY NOT TO EXCEED .175 AMP. CRP 30899

CRP 30904 SG
POWER TRANSFORMER:
PRI/SEC #1/SEC #2; 115 VOLTS, 60 CYCLES,
1 PHASE/876 VOLTS CT/5 VOLTS; 1.15/.161/
3 AMPS; PRI VA=130; 174/1382 CT/8 TURNS;
20E/26E/16E WIRE; 1.75/687.044 OHMS MAX.
DC. RES; OUTPUT VOLTAGE TOLERANCE ± 5%;
EXCITING CURRENT AT RATED VOLTAGE AND
7/9/42 CRP:UX-6909-B CRP:DL74-669
AUG. 43 REV 4

CAG 30909 SG
AUTO TRANSFORMER
VARIABLE; PRIMARY VOLTAGE 115 VOLTS AC.
60 CYCLES, 1 PHASE; SECONDARY 0-135
VOLTS; RATED CURRENT 5 AMPS, MAXIMUM
CURRENT 7.5 AMPS; LOAD RATING 860 VOLT
AMPS; NO LOAD LOSS 10 WATTS.
CANCELLED FOR REPLACEMENT USE -30740
7/9/42 CAG:200 CU CA:1111JUE
MAR. 44 FORM 549-A

CRP 30900 SG
FILAMENT TRANSFORMER:
PRI/SEC #1/SEC #2; 115 VOLTS, 60 CYCLES,
1 PHASE/5 VOLTS/6.3 VOLTS; 0.2/3.0/0.9
AMPS; PRI VA=23; 450/20-1/2/26 TURNS;
#26EN/2X18EN/#21EN WIRE; 11.7/0.052
0.28 MAX DC. RES.; OUTPUT VOLTAGE TOLER-
ANCE ± 5%; EXCITING CURRENT AT RATED
7/9/42 CRP:UX-6399 CRP:DL-74-656
AUG. 43 REV 4

FREQUENCY NOT TO EXCEED 0.32 AMP. CRP 30904

CRP 30910 SG
AUTO TRANSFORMER:
PRI/SEC; 115 VOLTS, 60 CYCLES, 1 PHASE/
78 V; 0.22/0.3 AMP; 764-1/2/532 TURNS
26EN WIRE; 17.2 OHMS MAX. DC. RES.; OUT-
PUT VOLTAGE TOLERANCE ± 5%; EXCITING
CURRENT AT RATED VOLTAGE AND FREQUENCY
NOT TO EXCEED 0.041 AMP.; PRI VA=25.
7/9/42 CRP:UX-6917 CRP:DL74-678
MAR. 43 REV 3

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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Class 30—Transformers and Reactors

3.30-47

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CRP 30911 SG
POWER TRANSFORMER:
PRI/SEC #1/SEC #2; 115 VOLTS, 60 CYCLES,
1 PHASE/4650 VOLTS/2.5 VOLTS; 1.2/0.175/
5.0 AMPS; PRI VA=138; 287/11600/7 TURNS;
#19/#37/#14 WIRE; 1.85/8900/.031 OHMS;
OUTPUT VOLTAGE TOLERANCE $\pm 5\%$; EXCITING
CURRENT AT RATED VOLTAGE AND FREQUENCY
7/9/42 CRP:UX-6918-B CRP:DU74-680
AUG. 43 REV 5

NOT TO EXCEED 0.15 AMP. CRP 30911

CRP 30912 SG
POWER TRANSFORMER:
PRI/SEC #1/SEC #2; PRI, 115/75 VOLTS, 60
CYCLES, 1 PHASE TAP WINDING; SEC #1-780
VOLTS CT.; SEC #2-5 VOLTS; 1.2/.19/6
AMPS; 174/1260 CT/8 TURNS; PRI VA=140;
26E/26E/2X14E WIRE; 6.5/54/.025 MAX. DC.
RES.; OUTPUT VOLTAGE TOLERANCE $\pm 5\%$; EX-
7/9/42 CRP:UX-6915 CRP:DL74-667
AUG. 43 REV 3

CITING CURRENT AT RATED VOLTAGE AND FREQUENCY NOT TO EXCEED 0.33 AMP. CRP 30912

CRP 30913 SG
FILAMENT TRANSFER:
PRI/SEC #1/SEC #2/SEC #3/SEC #4/SEC #5;
115 VOLTS, 60 CYCLES, 1 PHASE/6.3 VOLTS
CT/6 VOLTS/6.3 VOLTS CT/6.3 VOLTS/6.3 V;
0.44/3.7/2.2/0.3/0.6/0.6 AMPS; PRI VA=51
545/32CT/30/32CT/32 TURNS; 23E/2X17E/
16E/25E/22E/21E WIRE; 6.9/.069/.104/.93/
7/9/42 CRP:UX-6757 CRP:JL74-665
AUG. 43 REV 5

.49/.43 MAX. DC. RES.; CRP 30913
OUTPUT VOLTAGE TOLERANCE
 $\pm 5\%$; EXCITING CURRENT AT RATED VOLTAGE
AND FREQUENCY NOT TO EXCEED 0.085 AMP.

CRP 30914 SG
POWER TRANSFORMER:
PRI/SEC #1/SEC #2; 115 VOLTS, 60 CYCLES,
1 PHASE/2.5 VOLTS/1400 VOLTS; 0.109/
1.75/.0052 AMPS; PRI VA=12.5; 850/20/
10350 TURNS; #28E/#18E/#40E WIRE; 28/
.084/9450 MAX. DC. RES.; OUTPUT VOLTAGE
TOLERANCE $\pm 5\%$; EXCITING CURRENT AT
7/9/42 CRP:UX-6914 CRP:DL74-664
AUG. 43 REV 3

RATED VOLTAGE & FREQUENCY CRP 30914
NOT TO EXCEED 0.056 AMP.

CRP 30915 SG
REACTOR:
5.35 HENRIES MIN. AT .12 A. AC AND 6 V.
RMS. AND 60 CYCLES 1975 TURNS #29EN
MAXIMUM DC RESISTANCE 136 OHMS. DIMEN-
SIONS 3-3/16" X 3-5/8" X 4-1/2"
7/9/42 CRP:UX-6391 CRP:DL74-660
AUG. 43 SUB 1

CRP 30916 SG
REACTOR:
22.5 HENRIES MIN. PER COIL AT .04 A. DC.
AND 6 V. RMS AND 60 CYCLES CONSIST OF 2
COILS, EACH HAVING 6290 TURNS OF #34EN
WIRE AND 840 OHMS MAXIMUM DC. RESISTANCE
CASE DIMENSIONS; 3-3/16" X 3-5/8" X 5-
3/4".
7/9/42 CRP:UX-6394 CRP:DL74-655
AUG. 43 SUB 1

CRP 30917 SG
REACTOR:
3.8 HENRIES MIN. AT .215 A. DC. AND 6 V.
RMS. AND 60 CYCLES. 19 HENRIES MIN. AT
.015 A. DC. AND 6 V. RMS AND 60 CY. CON-
SISTS OF ONE COIL OF 1050 TURNS OF #26E
WIRE. MAX. DC. RES. 77 OHMS. CASE DIMEN-
SIONS 4-13/16" X 3-3/8" X 6-1/8".
7/9/42 CRP:UX-6910 CRP:DL74-670
AUG. 43 SUB 3

CRP 30918 SG
REACTOR:
6.5 HENRIES MIN. AT .215 A. DC. 6 V. RMS
AND 60 CYCLES. CONSISTS OF ONE COIL OF
1850 TURNS OF #26E WIRE. MAX. DC. RESI-
STANCE 77 OHMS. DIMENSIONS OF CASE
4-13/16" X 3-3/8" X 6-1/8".
7/9/42 CRP:UX-6911 CRP:DL74-671
AUG. 43 SUB 2

CRP 30919 SG
REACTOR:
1.3 HENRIES MIN. AT 0.3A DC. 6 V. RMS.
AND 60 CYCLES. CONSISTS OF ONE COIL OF
1180 TURNS OF #26EN WIRE. MAX. DC. RESI-
STANCE 31 OHMS. DIMENSIONS OF CASE;
2-3/8" X 2-7/8" X 3-9/16".
7/9/42 CRP:UX-6922 CRP:DL74-683
AUG. 43 REV 2

CRP 30920 SG
REACTOR:
7 HENRIES MIN. AT 6 V. AC, 60 CYCLES AND
.175 A. DC. CONSISTS OF ONE COIL OF 1850
TURNS OF #26 WIRE. MAX. DC. RESISTANCE
75 OHMS. CASE DIMENSIONS; 3-3/8" X 4-3/
16" X 6-3/16".
7/9/42 CRP:UX-6916 CRP:DL74-668
AUG. 43 SUB 2

CRP 30921 SG
REACTOR:
CONSISTS OF TWO COILS (LA, LB) WITH ONE
COMMON TERMINAL COIL LA: 59 HENRIES AT
.012 A. DC., 6 VOLTS RMS AND 60 CYCLES,
950 TURNS OF #26E WIRE, 15 OHMS MAX. DC.
RESISTANCE. COIL LB: 1.64 HENRIES AT .045
A DC. AND 6 VOLTS RMS AND 60 CYCLES. 950
7/9/42 CRP:UX-35178 CRP:DL74-658
MAR. 43 SUB 2

700 TURNS #26 ENAMEL CRP 30921
WIRE, 14 OHMS DC.
TURNS OF #26E WIRE, 15 CRP 30921
OHMS MAXIMUM DC. RESIST-
ANCE. CASE DIMENSIONS; 3-3/16" X 3-5/8"
X 5-3/4".

30922 * SEE BELOW
POWER TRANSFORMER:
PRIMARY 334 TURNS #20E WIRE, 2.9 OHMS DC
RES. 115 VOLTS, 60 CYCLES 0.5 AMP 60
WATTS, 5 SEC. WITH SEC #1 CENTER TAPPED.
SEC #1: 550 VOLTS, 21 MA 400 VOLTS PEAK
TO GROUND, 1680 TURNS #34E WIRE, 290
RAJAK MARK 3 & 4
7/15/42 CW:KS-8846 CW:ESL-639059
AUG. 42 ISSUE 1

OHMS DC. RES. SEC #2: 6.3 30922
V. 0.9 AMP, 150 VOLTS DC.
TO GROUND. 19 TURNS #19E WIRE, 0.11 OHMS
DC. RES. SEC #3; 6.3 V 0.9 AMP, 150 V DC
TO GROUND, 19 TURNS #19 E WIRE, 0.11
OHMS DC. RES. SEC #4: 6.3 V, 5.4 AMPS
GROUND POTENTIAL 19 TURNS #13E WIRE, .03
OHMS DC. RES. SEC #5: 6.3 V, .3 AMP, 150
V DC. TO GROUND. 19 TURNS #24E WIRE, .38
OHMS DC. RES.

CRP 30923 SG
REACTOR:
19 HENRIES MIN. AT 6 VOLTS, 60 CYCLES,
0.028 A. DC. 5000 TURNS OF #37E WIRE.
MAXIMUM DC. RESISTANCE 1050 OHMS. MAXI-
MUM DIAMETER 2-1/16". OVERALL LENGTH
3-1/8".
7/9/42 CRP:UX-6902 CRP:DL74-666
MAR. 43 SUB. 2

30924 * SEE BELOW
FILTER CHOKE COIL:
RATED 30 HENRIES, 0.03 AMP DC, 400 VOLTS
PEAK TO GROUND. WINDING OF 6000 TURNS OF
#36E WIRE, 950 OHMS DC. RESISTANCE.

* RADAR MARK 3 & 4
7/15/42 CW:KS-8620 CW:ESL-639060
AUG. 42 ISSUE 2

CAY 30925 TAB-6
TRANSFORMER:
INPUT = 440/220/1/25. OUTPUT, 220/110/1/
25. RATED 970 VA. PRIMARY CONSISTS OF
TWO SEPARATE WINDINGS, EACH RATED 220/1/
25, 2.34 AMPS, 240 TURNS #14 SCCE, 1.16/
1.29 OHMS DC. TERMINALS 1-2/3-4. SECOND-
ARY CONSISTS OF TWO WINDINGS, EACH RATED
7/13/42 CAY:L-386927 CAY:T-7609164-
AUG. 42 G1 SUB 1

110/1/60, 4.4 AMPS, 125 CAY 30925
TURNS #12 SCCE, 0.302/
0.334 OHMS DC. TERMINALS 5-6/7-8.

CAY 30926 TDE
TRANSFORMER:
INPUT: 440/220/1/60. OUTPUT: 220/110/1/
60 RATED 0.05 KVA. PRIMARY CONSISTS OF
TWO SEPARATE WINDINGS, EACH RATED 220/1/
60, .13 AMP, 1300 TURNS #29 ENAMEL WIRE,
70 OHMS DC. SECONDARY CONSISTS OF TWO
WINDINGS EACH RATED 110/1/60, .21 AMP,
7/23/42 CAY:L-386919 CAY:P-7708971
AUG. 43 SUB 0

700 TURNS #26 ENAMEL CAY 30926
WIRE, 14 OHMS DC.

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION																																			
CAY 30927	TDE	TRANSFORMER: INPUT: 440/220/1/60; OUTPUT: 220/110/1/60, RATED 190 VA. PRIMARY CONSISTS OF TWO SEPARATE WINDINGS, EACH RATED 220/1/60, .44 AMP, 475 TURNS #24 ENAMEL WIRE, 10.5 OHMS DC. SECONDARY CONSISTS OF TWO WINDINGS EACH RATED 110/1/60, .8 AMP. 7/23/42 CAY:L-386915 CAY:P-7708970 AUG. 42 SUB 0	CNA 30931	RBL.-1,-2 FILTER REACTOR: RATED 17 HENRIES ± 20% AT 0.08 AMP. DC. 5000 TURNS #31E WIRE; 300 OHMS ± 10% DC. RESISTANCE. SAME AS -30939 EXCEPT PROVIDED WITH LUGS INSTEAD OF LEADS. 7/30/42 CNA:SA-31-E CNA:D-782 OF AUG. 42 7/20/42	CG-30938	DAH-DAH-1 SOLENOID: COIL VOLTAGE: 110/1/60. COIL CURRENT: CLOSED 0.52 AMP; AT 1" DISPLACEMENT, 4.56 AMPS. PULL RATING: 4.5 LBS AT 1" DISPLACEMENT. ⊗ CG:CAT.NO: 2233923-A3202; PULL TYPE: CR-9533-204-C. COIL NO: F-3021571 8/1/42 ⊗ SEE ABOVE CFT:F-37094-2A AUG. 42	250 TURNS #22 ENAMEL WIRE CAY 30927 2.775 OHMS DC.	CNA 30932	RBL.-1,-2 OUTPUT TRANSFORMER: PRIMARY/SECONDARY: 36000/600 OHMS IMPEDANCE RATIO; 5000/650 TURNS #34E/#28E WIRE, 430/22 OHMS DC. RESISTANCE ± 10%; TERMINALS 749/1,2,3. 500/75 VOLTS, 30/110 MILS. FREQ RANGE 200 TO 3000 CYCLES. 7/30/42 CNA:SA-31-H CNA:D-783 OF MAR. 43 7/20/42	CNA 30939	RAO-2 FILTER REACTOR: RATED 17 HENRIES ± 20% AT 0.08 AMP. DC. 5000 TURNS #31E WIRE; 300 OHMS ± 10% DC. RESISTANCE. SAME AS CNA-30931 EXCEPT PROVIDED WITH LEADS INSTEAD OF LUGS. 8/2/42 CNA:SA-31-B CNA:D-839 OF AUG. 42 6/29/42	CAY 30928	TDE TRANSFORMER FILAMENT: CONSISTS OF TWO PRIMARIES (P1, P2) EACH RATED 100 VOLTS 1.2 AMPS, 180 TURNS #22 SCCE WIRE; RESISTANCE OF P1 IS 2.8; OF P2 IS 3.0 OHMS DC. BOTH P1 AND P2 TAPPED AT 70 VOLTS. SEC #1/SEC #2/SEC #3/SEC #4/SEC #5; 10.5/7.5/7.5/15.5/13.5 VOLTS. 7/23/42 CAY:L-382629 CAY:P-7708972 OCT. 42 SUB 0	CUT 30933	DAH, DAH-1 FILTER REACTOR: RATED 10 HENRIES + 30% -0% AT 150 MA DC AND 10 VOLTS, RMS 60 CYCLES. 150 ± 10% OHMS DC. RESISTANCE. 8/1/42 CUT:55390 CFT:F-37229-1E AUG. 43	CG-30940	TAQ-10 FILAMENT TRANSFORMER: PRIMARY: 100/200 VOLTS, 50 TO 60 CY. 4.78/2.39 AMPS, 2 COILS EACH 93 TURNS, 0.4986 DC OHMS. SEC #1/#2/#3/#4: 11.5CT/11.5CT/10.44/10.44CT V AT 12.0/15.5/5.0/5.0 AMPS, 11/11/10/10 TURNS. 0.00786/0.00818/.0233/.0233 DC OHMS. AMBIENT 8/6/42 CG:7467810 W-7467810 REV 1 AUG. 43	5/2.15/1.25/1.6/.2 AMPS CAY 30928 20/14/14/29/25 TURNS #14 ENAM/#18ENAM/ #18 ENAM/#13/#22 SCCE WIRE AND .045/ .081/.081/.21/.470 OHMS DC RESISTANCE. EACH SECONDARY CENTER TAPPED EXCEPT SEC #5 WHICH IS TAPPED AT 21.5 TURNS UP FOR RECTOX WINDING. RESISTANCE ON THIS PORTION .235 OHMS.	CUT 30934	DAH, DAH-1 TRANSFORMER OUTPUT: PRIMARY/SECONDARY #1/SEC #2; 8000/600/4 OHMS IMPEDANCE; RESPONSE: WITHIN 1 DB, 200 TO 4000 CPS AND WITHIN 6 DB, 100 TO 8000 CPS. RATED OPERATING LEVEL IS + 25 DB (-0.06MW). PRIMARY RATED CURRENT 25 MADC. 8/1/42 CUT:66328 CFT:F-33093-1E AUG. 43	CG-30940	TEMPERATURE LIMITS: 0 TO 55°C.	CAY 30929	TDE POWER TRANSFORMER: CONSISTS OF TWO SEPARATE PRIMARIES AND FOUR SECONDARIES. PRI #1 RATED 110/78 VOLTS, 1 PHASE 50/60 CYCLES, 290 TURNS #26 SCCE TAPPED AT 206 TURNS. .455/.64 AMP 10/7.1 Ω DC RESIST. PRIMARY #2 RATED 110/78 V, 250 TURNS #25SCCE TAPPED 7/24/42 L-382624 P-7708973 MAR. 43 SUB 2	CUT 30935	DAH, DAH-1 TRANSFORMER INTERSTAGE: PRI/SEC; 10,000/40,000 CT OHMS IMPEDANCE; SECONDARY IS CENTERTAPPED; RESPONSE: FLAT WITHIN 0.5 DB, 40 TO 2000 CYCLES. RATED OPERATING LEVEL IS + 25 DB (-0.06 MW). PRIMARY RATED CURRENT 8 MA DC 8/1/42 CUT:66389 CFT:F-33097-1F AUG. 43	CG-30941	TAQ-10 FILAMENT TRANSFORMER: PRIMARY: 100/200 V, 50 TO 60 CY. 0.522/0.261 AMPS, 2 COILS; EACH 359 TURNS, 11.65 DC OHMS. SEC 10.44 V, 5.0 AMPS, 40 TURNS, 0.0708 DC OHMS. AMBIENT TEMPERATURE LIMITS: 0 TO 55°C. 8/6/42 CG:7467811 CG:M-7467811 AUG 45 REV 1	AT 206 TURNS, .455/.64 CAY 30929 AMP, 10.5/7.45 OHMS DC RESISTANCE. PRIMARIES CAN BE COMBINED FOR 78/110/156/220 VOLT OPERATION. SEC #1/SEC #2/SEC #3/SEC #4 RATED 5 CT/140/140/20.5 VOLTS, 3/.075/.075/1.2 AMP, 14CT/383/388/58 TURNS #16 ENAM/29 SCCE/29 SCCE/20 ENAM. .045/24/25/1.57 OHMS DC RESISTANCE. SEC #4 TAPPED 52 TURNS UP FOR 12 V AT 1.2 AMPS, .51 Ω DC RESISTANCE.	CUT 30936	DAH-DAH-1 POWER TRANSFORMER: PRIMARY HAS 110, 115, 120 VOLT TAPS. SECONDARY #1 CONSISTS OF TWO SECTIONS EACH RATED 315 VOLTS; ONE SECTION HAS 100 VOLT TAP, OTHER HAS 400 VOLT TAP. RATED CURRENT IS 150 MA. SEC #2 RATED 5.0 VOLTS, 3.0 AMPS. SEC #3 RATED 2.5 8/1/42 CUT:66391 CFT:F-33099-1E AUG. 43	CG-30942	TBA-8 TBA-9 FILAMENT TRANSFORMER: PRI: 100/200 V, 50 TO 60 CY, 3.99/1.995 AMPS, 2 COILS, EACH 110 TURNS, 0.701 DC OHMS. SEC #1/#2/#3/#4/#5/#6: 10.6CT/10.6CT/10.6CT/10.6CT/13.2CT V AT 10/10/10/5/1.4/0.7 AMPS. 12/12/12/12/15/15 TURNS, 0.0115/0.0122/0.0130/0.0248/0.11/0.11 8/6/42 CG:7467804 CG:M-7467804 AUG 43 REV 0	CNA 30930	RBL.-1,-2 POWER TRANSFORMER: PRIMARY RATED 115/1/60, 0.5 AMP; TERMINALS 1 & 4; 600 TURNS #25E, 10 OHMS DC. RESISTANCE. SEC #1/SEC #2/SEC #3: 400 CT/5/6.3 VOLTS, 0.041/3 AMPS; 2350/28/35 TURNS #35E/-16E/#16E WIRE, 500/0.09/0.12 OHMS DC. RESISTANCE: TERMINALS 7,8. 7/30/42 CNA:SA-31-G CNA:D-778 OF AUG. 42 7/20/42	VOLTS, 1.75 AMPS. SEC. #4 CUT 30936 RATED 6.3 VOLTS, .6 AMP. SEC #5 RATED 6.6 VOLTS, 8 AMPS AND IS CENTER TAPPED, FOR 60 CYCLE OPERATION.	CG-30942	0.202 DC OHMS. AMBIENT TEMPERATURE IS 60°C.	9/2 & 5/336. ALL DC. RESISTANCES ± 10%. CNA 30930	CUT 30937	DAH, DAH-1 POWER TRANSFORMER: PRIMARY RATED 110/115/120 VOLTS, 60 CYCLES. SEC #1/#2/#3: 315 CT/5/6.3 CT VOLTS, AT 150 MA/3 AMPS/5 AMPS. 8/1/42 CUT:66571 CFT:F-37307-1E AUG. 43	CG-30943	TBA-8 TBA-9 FILAMENT TRANSFORMER: PRI 100/200 V, 50 TO 60 CY, 0.0924/0.0462 AMPS, 2 COILS, EACH 633 TURNS, 482 DC OHMS, SEC 13.2CTV, 0.7 AMPS, 90 TURNS, 0.648 OHMS. AMBIENT TEMPERATURE IS 60°C. 8/6/42 CG:7467803 CG:M-7467803 AUG. 43 REV 0

Class 30—Transformers and Reactors

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CAY 30944	TBU-4		CG 30951	* SEE BELOW		CG 30957		
TRANSFORMER: PRIMARY RATED 440/220/150-60; SECONDARY RATED 220/110. PRIMARY CONSISTS OF TWO WINDINGS RATED: 220/220 VOLTS: 1.93/1.93 AMP; 230/230 TURNS #18SCCE, 2.02/2.22 OHMS DC RESISTANCE; TERMINALS 1-2/3-4. SECONDARY CONSISTS OF TWO WINDINGS 8/10/42 CAY:L-386928 CAY:P-7709150 AUG 43			POWER TRANSFORMER: RATED 0.0599 KVA. PRIMARY, 115 V, 60 CPS. SEC#1/SEC#2, 400CT/6.3 VOLTS AT 0.07/4.5 AMPS. TERMINALS 3-4-5/6-7. PRIMARY TERMINALS 1-2.			.07 OHMS DC RESISTANCE. TERMINALS 3-4-5/6-7/8-9-10/11-12-13. PRIMARY TERMINALS 1-2. INSULATED FOR .75 KV.		
			* MARK 11, MOD 1 8/25/42 CG:K-35J519 CG:K-35J519 MAR. 43 CTG: REV 0					
CAY 30944			CTC 30952	MARK 11 MOD 1 RE 13A 553		CG 30958	SC-2 & SC-3	
RATED: 110/110 V; 3.64/3.64 AMPS; 121/121 TURNS #16SCCE; 0.53/0.59 OHMS DC RESISTANCE; TERMINALS 5-6/7-8.			FILTER REACTOR: RATED 15 HENRIES MINIMUM AT 10 VOLTS 60 CPS AND 70 MA DC. 137 OHMS ±10% DC RESISTANCE.			TRANSFORMER: PRIMARY RATED: 200 V, 60 CPS AND 10 MA DC. 1824 TURNS .0045"E WIRE. 422 OHMS DC RESISTANCE. SECONDARY RATED 260 VOLTS CT, 60 CPS, 10,000 OHMS IMPEDANCE, 26.5 HENRIES 2320 TURNS CT. .0045E WIRE SECONDARY INSULATED FOR .75 KV. 8/25/42 68C449 K-5805499FL OCT. 42 REV 3		
			8/25/42 CG:K-35J521 CG:K-35J521 MAR. 43 CTG: REV 0					
CG 30945	SC-2,-3	RE 13A 553	CG 30953	SN RE 13A 553		CG-30958-A	SK-1M	
FILAMENT TRANSFORMER: PRI RATED 115 V, 60 CPS AND .98 OHMS. SEC#1/ #2/13/4/35/36/7. 6.4/6.4/6.4/6.4/5.1/ 5.1/5.1 VOLTS AND 7/3/3/3/3/3 AMPS. TERMINALS 3-4/5-6/7-8/9-10/11-12/13-14/ 15-16. PRI TERMINALS 1-2. ELECTROSTATIC SHIELD BETWEEN PRI & ALL OTHER WINDINGS. 8/25/42 K-35J35 CG:K-35J35 OCT. 42 REV 1			FILTER REACTOR: RATED 4 HENRIES MINIMUM AT 10 VOLTS, 60 CPS AND 70 MA DC. 67 OHMS DC RESISTANCE.			TRANSFORMER: PRIMARY RATED: 200V, 60 CPS. AND 22 MA DC. 1824 TURNS 0.0045"E WIRE. 422 OHMS DC RESISTANCE. SECONDARY RATED 260 VOLTS CT, 60 CPS. 10000 OHMS IMPEDANCE. 26.5 HENRIES: 2320 TURNS CT. 0.0045" E WIRE. SECONDARY INSULATED FOR 0.75 KV. SAME AS 2/17/45 68G449G1 K-5805499FL MAR. 45		
			θ CG:K-35J453 SHT. 1 REV 1, SHT. 2 REV 0 8/25/42 CG:K-35J453 θ SEE ABOVE OCT. 42					
CG-30946	SC-2 & SC-3	RE 13A 553	CG 30954	SN RE 13A 553		-30958 EXCEPT AIR GAP IS ADJUSTED TO GIVE HIGHER PRIMARY CURRENT.		
POWER TRANSFORMER: PRI RATED 115 V, 60 CPS AND .121 AMP. SEC#1/SEC#2, 2700/2.5 VOLTS, 0/0 VOLTS OFF GROUND AND .002/1.75 AMPS. TERMINALS 3-4/5-6. PRI TERMINALS 1-2. HERMETICALLY SEALED. ELECTROSTATIC SHIELD BETWEEN PRI AND ALL OTHER WINDINGS. 8/25/42 CG:K-35J41 CG:K-35J41 OCT. 42 REV 0			TRANSFORMER: PRIMARY 5000 V PEAK PULSE, 1000 CPS, NEGATIVE POLARITY. PULSE OF ONE MICROSECOND DURATION. SECONDARY 4000 V PEAK PULSE, POSITIVE POLARITY. TWO TERMINAL. ONE INPUT, ONE OUTPUT. COMMON POINT OF PRIMARY AND SEC. GROUNDED TO CASE INTERNALLY. HERMLII- 8/25/42 CG:K-35J454 CG:K-35J454 OCT. 42 REV 0					
CG 30947	SC-2 SC-3	RE 13A 553			CG 30954			
HV FILAMENT TRANSFORMER: PRIMARY RATED 115 VOLTS, 60 CPS AND .053 AMPS. SEC#1/SEC#2, 2.5/6.3 VOLTS RMS, 6000/6000 V DC OFF GROUND AND 1.75/1 AMPS. ELECTROSTATIC SHIELD BETWEEN PRIMARY AND ALL OTHER WINDINGS. 8/25/42 K-35J51 CG:K-35J51 OCT. 42 REV 0					CALLY SEALED, STEEL CAN, ZINC PLATED. AMBIENT TEMPERATURE RANGE -30°C TO +55°C			
CG-30948	SN	RE 13A 553	CG 30955	SC-2 SC-3		CG 30959	SC-2 & SC-3	
POWER TRANSFORMER: .271 KVA. PRIMARY: 130 V, 60 CYCLES, TAPS AT 90, 95, 100, 105, 110, 115, 120 AND 125. SEC#1/SEC#2/SEC#3, 540CT/5.0/6.3 V AT .175/3/1.5 AMPS. TERMINALS 13-14-15/16-17/11-12. PRIMARY TERMINALS 1,2,3,4,5,6, 7,8,9,10 WITH TERMINALS 1-2 FOR 90 VOLTS 8/25/42 CG:K35J450 CG:K-35J450 OCT. 42 REV 0			FILTER REACTOR: RATED 10 HENRIES AT 0.25 AMP DC, 10 VOLTS. 60 CYCLES, .75 KV INSULATION. COIL CONSISTS OF 2750 TURNS OF .0142 E WIRE. 100 OHMS DC RESISTANCE.			OUTPUT TRANSFORMER: PRIMARY RATED 500 V CT, 60 CPS, 1694 CT TURNS 0.0089 E WIRE, 118 OHMS DC RESISTANCE. SECONDARY RATED 72.5 VOLTS, 0.725 AMP, 272 TURNS 0.0201 E WIRE, 4.38 OHMS DC RESISTANCE. UNIT RATED .0525 KVA, 1 KV INSULATION. 8/25/42 68C450 K-5805499FM OCT. 42 REV 2		
			8/25/42 68C393 K-5805499EW AUG. 43 REV 2					
CG 30949	SN	RE 13A 553	CG 30956	SC-2 & SC-3		CUT 30961	DAQ	
FILAMENT TRANSFORMER: RATED 0.0814 KVA. PRIMARY 115 V, 60 CPS. SEC#1/SEC#2, 6.9/2.5 V AND 2.0/1.75 AMPS SEC-2 TAPPED AT 6.3 V, 12 AMPS CORE AND COIL TYPE CONSTRUCTION. θ CG:K-35J451 SHEET 1, SHEET 2 REV 8/25/42 K35J451 3 OCT. 42 θ SEE ABOVE			REACTOR: RATED 1000 HENRIES AT 1 VOLT, 60 CYCLES AND 0 DC. 0.75 KV INSULATION. COIL CONSISTS OF 8480 TURNS OF .0035" E WIRE. 1600 OHMS RESISTANCE.			OUTPUT TRANSFORMER: PRIMARY/SEC#1/SEC#2 8000/600/4 OHMS IMPEDANCE, 25 MA/0/0 DC. FREQ RESPONSE FLAT WITHIN 1 DB FROM 200 TO 4000 CY AND WITHIN 6 DB FROM 100 TO 8000 CY. MAX. OPERATING LEVEL 1.9 WATTS (+25 DB ABOVE .006MW). INSERTION LOSS LESS THAN .7 DB 8/29/42 CFT:F-35334-1 AUG. 44 ISSUE K		
			8/25/42 68C434 K-5805499FJ OCT. 42 REV 1					
CG 30950	SN	RE 13A 553	CG 30957	SC-2,-3		AT 1000 CYCLES.		
PLATE TRANSFORMER: RATED 0.032 KVA. PRIMARY, 115V 60 CPS. SEC. 4000 V AND .004 AMPS. PRIMARY TERMINALS 1-2, SECONDARY TERMINALS 3-4. 8/25/42 K35J452 CG:K-35J452 OCT. 42 REV 0			POWER TRANSFORMER: RATED .148 KVA. PRIMARY 115 V, 60 CYCLES, 235 TURNS OF .0305" E WIRE WITH 2 OHMS DC RESISTANCE. SEC#1/SEC#2/SEC#4. 900CT/30/ 6.3CT/5CT VOLTS AT .177/.05/3/3 AMPS, 2000/67/14/11 TURNS .0113" E/.0056"E/.0453"E/.0453 E WIRE WITH 142/22/.085/ 8/25/42 68C448 K-5805499FK OCT. 42 REV 1					

ASSIGNED ISSUED

ASSIGNED ISSUED

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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RESTRICTED

NAVSHIPS 900,109

3.30-50

Class 30—Transformers and Reactors

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG 30962	SC-2, SC-3		CG-30967	SC-2		CTH 30973	SL	
FOCUS COIL: 4500 TURNS OF #29E WIRE. NOMINAL DC RESISTANCE IS 264 OHMS. DC INPUT PROVIDES MAGNETIC FIELD FOR FOCUS OF CATHODE RAY.			FOCUS COIL: 5700 TURNS #30 F WIRE. NORMAL DC RESISTANCE IS 430 OHMS. DC INPUT PROVIDES MAGNETIC FIELD FOR FOCUSING CATHODE RAY TUBE. RATED: 35.2 TO 45.2 V DC.			FILTER REACTOR: RATED 13.0 HENRIES AT 200 V 60 CYC AND 0.10 AMP DC. INSULATION: 6250 V PEAK TO GROUND. 1900 TURNS #33E WIRE. 330 OHMS DC RESISTANCE. #CW:ESL-640192 ISSUE 1 CW:KS-8889 ISSUE 1 *CW:KS-8889 ISSUE 1, CTH:1-47773 11/15/42 *SEE ABOVE #SEE ABOVE MAY 43		
9/2/42	CAT #K-35J997	K-35J997	10/28/42	CG:K-35J897-G2	CG:K-35J897-G2	CTH 30974	SL	
MAR. 43	GR 1	REV 1	MAY 43		REV 0	FILAMENT TRANSFORMER: PRIMARY: RATED 115/1/50 TO 60; 0.6 AMP. 58 WATTS; TERMINALS 1 AND 2; 217 TURNS #25E WIRE. 4.8 OHMS DC RESISTANCE. SEC #1/2: RATED 5/5 V, 5/5 AMP, TERMINALS *CW:KS-8888 ISSUE 1, CTH:1-47740 #CW:ESL-640191 ISSUE 1, CW:KS-8888 ISSUE 1 11/15/42 *SEE ABOVE #SEE ABOVE MAY 43		
CRV 30963	SD-3		CG-30968	SD-2		CTH 30974	SL	
FILAMENT TRANSFORMER: PRIMARY: 125 VOLTS, SINGLE PHASE, 60 CYCLES TAPPED AT 115 AND 105 VOLTS, 1980 TURNS, 0.0080E WIRE TAPPED AT 1820 AND 1652 TURNS, 105 OHMS DC RESISTANCE TOTAL SECONDARY: 6.4 VOLTS AT 0.6 AMPS, 124 TURNS 0.0201E WIRE, 1.7 OHMS DC 9/4/42 CRV:901547G501 K-901547-501 AUG. 43 SUB 0			SWEEP COIL: CONSISTS OF 760 TURNS #30 FORMEX WIRE. DC RESISTANCE APPROXIMATELY 36 OHMS.			FILAMENT TRANSFORMER: PRIMARY: RATED 115/1/50 TO 60; 0.6 AMP. 58 WATTS; TERMINALS 1 AND 2; 217 TURNS #25E WIRE. 4.8 OHMS DC RESISTANCE. SEC #1/2: RATED 5/5 V, 5/5 AMP, TERMINALS *CW:KS-8888 ISSUE 1, CTH:1-47740 #CW:ESL-640191 ISSUE 1, CW:KS-8888 ISSUE 1 11/15/42 *SEE ABOVE #SEE ABOVE MAY 43		
RESISTANCE. RATED PRIMARY CURRENT 0.045 AMP.	CRV 30963		CG-30969	SD-2	RE13A553	CTH 30974		
			POWER TRANSFORMER: PRIMARY RATED 115/1/60, 105 VA; TERMINAL: 1 & 2. SEC #1/#2/#3: 6.3/5.0/700 CT V, 4.5AC/3AC/0.125 DC AMP; TERMINALS 3&4/5&6/7,8,9.. CORE AND COIL TYPE CONSTRUCTION.			3&4/5&6; 10/10 TURNS #14E WIRE; 0.020/0.024 OHMS DC RESISTANCE. SEC #1 INSULATED FOR GROUND POTENTIAL; SEC #2 INSULATED FOR 6250 V PEAK TO GROUND.		
			10/28/42	CG:K-35J746	CG:K-35J746			
			MAY 43		REV 0			
CUD-30964	MU,MV,MW,MX		CG-30970	SL		CJE 4975	SL	
AUDIO TRANSFORMER & CHOKE ASSEMBLY: INCLUDES OUTPUT AND MICROPHONE TRANSFORMER MODULATOR CHOKE. OUTPUT TRANS. PRI: 2500 TURNS #40 SOLID EN. WIRE, 500 V, 60 CY TEST, IRON CORE. INDUCTANCE 6H AT 660 CY. SEC. 860 TURNS #36 SOLID EN. WIRE, 500 V, 60 CY TEST, 9/15/42 CUD:A-3274 CCI:145-3.17C OCT. 42			FILAMENT TRANSFORMER: PRIMARY RATED: 115/1/50 TO 60. 38 WATTS, 0.32 AMP; TERMINALS 1-2; 800 TURNS #26E WIRE 12.8 OHMS DC RESISTANCE. SECONDARY RATED: 21 V AT 1.55 AMP. TAPPED AT 17 AND 19 V; TERMINALS 3,4,5,6; 159 TURNS *CW:KS-8884 ISSUE 1, PART T-47769 11/7/42 *SEE ABOVE CW:ESL-640189 ISSUE 1 MAY 43			PLATE TRANSFORMER: PRIMARY: RATED 115/1/50 TO 60; 7.4 AMP. 710 WATTS. TERMINALS 1 & 2; 123 TURNS 0.065 X 0.130 RECTANGULAR WIRE DCC, 0.130 OHMS DC RESISTANCE. SECONDARY RATED 2350 V AT 0.340 AMP RMS; TERMINALS 3 & 4 11/15/42 CW:KS-8891,ISS1 CW:KS-8891,ISS1 MAY 43 CJE:465-001-125 CW:ESL-640193 "1		
.5 H AT 2200 CPS. RESPONSE ±2 DB FROM 200 TO 500 CPS. MICROPHONE TRANSFORMER: PRI 400 TURNS #37 SOLID EN, 500 V, 60 CY TEST, IRON CORE. .5 H AT 2500 CPS. SEC 10,000 TURNS OF #43 SOLID EN, 500 V, 60 CY TEST, 150 H AT 130 CY. RESPONSE ±2 DB TO 10,000 CPS. MOD. CHOKE 3150 TURNS #37 SOLID EN WIRE, 500 V, 60 CY TEST, 7.6 H AT 575 CPS. IRON CORE.	CUD30964		CTH 30970	SL		CJE 4975	SL	
			#19E WIRE TAPPED AT 129 AND 144 TURNS; 0.66 OHMS DC RESISTANCE.			2600 TURNS #25E WIRE, 110 CJE30975 OHMS DC RESISTANCE. SECONDARY AT TERMINAL 3 INSULATED FOR 3125 V PEAK TO GROUND. WINDING TERMINATED ON TERMINAL 4 INSULATED FOR 6250 V PEAK TO GROUND. PRIMARY PROTECTION (KLIXON C-2851-1 SNAP SWITCH RATED 8 AMPS 125 V 50 TO 60 CYC. NORMALLY CLOSED. OPENS AT 200±3°F WITH A DIFFERENTIAL OF 20°F BETWEEN OPENING AND CLOSING) INSIDE CASE.		
CRV 30965	QCP		CTH 30971	SL		CTH 30976	SL	
TRANSFORMER: PRIMARY RATED 117 V. SINGLE PHASE. 60 CYC. 1.5 AMP; 195 TURNS 0.0455E WIRE. SECONDARY RATED 235 V TAPPED AT 205, 165 AND 130 V; 400 TURNS 0.032E WIRE TAPPED AT 348.280 AND 220 TURNS; 0.4 OHMS DC RESISTANCE TOTAL. 9/29/43 CRV:XI-4231 CRV:K-901555-G MAY 43 501 SUB 1			FILAMENT TRANSFORMER: PRIMARY: RATED 115/1/50 TO 60. 41 WATTS, 0.35 AMP; TERMINALS 1-2; 740-1/2 TURNS #25E WIRE. 10.2 OHMS DC RESISTANCE. SECONDARY #1/#2/#3 RATED: 5/6.3/1.75 V, 5/1/2 AMP; TERMINALS 3-4/5-6/7-8: 36/44/ *CW:KS-8885 ISSUE 1, PART T-47770 11/7/42 *SEE ABOVE CW:ESL-640190 ISSUE 1 MAY 43			FILTER REACTOR: RATED 12 HENRIES AT 220 V 60 CYC AND 0.10 AMP DC. 5000 TURNS #31 EC WIRE. 470 OHMS DC RESISTANCE. TERMINAL #1 INSULATED FOR 4600 V PEAK TO GROUND. TERMINAL #2 INSULATED FOR 8000 V PEAK TO GROUND. *CW:KS-8887 IS 1, #CW:ESA-641369 IS 1 11/11/42 CTH:1-47772 CW:KS-8887 IS 1 MAY 43 *SEE ABOVE #SEE ABOVE		
CFT 30966	DAQ		CTH 30971	SL		CTH 30976	SL	
FILTER COIL: CONSISTS OF 75 TURNS OF #20 SCCE WIRE. USED IN TYPE -53119 FILTER ASSEMBLY.			12-1/2 TURNS 2-#16/#18/#18E WIRE, 0.044/0.147/0.046 OHMS DC RESISTANCE.			3400 V PEAK INSULATION BETWEEN TERMINALS 1 AND 2. OPEN CORE AND COIL CONSTRUCTION.		
10/8/42		CFT:F-36920-1C						
MAY 43								
			30972	OS-4		CW-30977	SL	
			TRANSFORMER: INPUT 250/1/50. OUTPUT 115/1/50.			INTERSTAGE TRANSFORMER: IMPEDANCE RATIO: PRI/SEC IS 50/1000 OHMS FREQ RANGE: 10 KC TO 2 MC. PRIMARY: TERMINALS 1 AND 2, 22 TURNS # 24 EN (OR ES) WIRE, 0.15 OHMS DC RESISTANCE; SECONDARY #1/SECONDARY #2: TERMINALS 3 AND 4/TERMINALS 5 AND 6. 99/99 TURNS #29 EN (OR ES 11/17/42 CW:0-163247 CW:ESL-642510 ISSUE 1 MAY 43		
			11/13/42					
			MAY 43					

Class 30—Transformers and Reactors

3.30-51

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CV-30977

WIRE. 4.00/4.12 OHMS DC RESISTANCE. TERMINALS 2,3 AND 5 INSULATED FOR GROUND POTENTIAL; TERMINAL 1 INSULATED FOR 4000 V PEAK TO GROUND; TERMINALS 4 AND 6 INSULATED FOR 17,500 V PEAK TO GROUND. TERMINALS 5 AND 3 ARE CONNECTED TOGETHER ALSO 4 AND 6.

CJE 30978 FC

PLATE TRANSFORMER:
RATED: 750 VA. PRIMARY: 120/1/60, 6.5 AMP, 147 TURNS OF #11SCE WIRE, 2.3±5% DC RESISTANCE. SECONDARY: 18,500 CT V, 0.045 AMP, 12,000 (BOTH COILS) TURNS OF #32EC WIRE, 4150±5% DC RESISTANCE. SIMILAR TO TYPE -30702 8-301050
11/18/42 CJE:465-001-119 CJE:465-001-119
AUG 43 ISSUE 6

CJE 30978-A MARK 4

PLATE TRANSFORMER
PRIMARY RATED 750VA, 120/1/60, 6.5 AMPS. SECONDARY RATED 18,500 VOLTS, 45 MA. SAME AS BASIC NUMBERS EXCEPT IS OIL FILLED INSTEAD OF COMPOUND FILLED.

8/6/43 465-001-154 465-001-154
NOV. 43 ISSUE 3

CG-30979 SD-3

POWER TRANSFORMER:
PRIMARY: 115/1/60, 0.110 AMP; 740 TURNS 0.0100E WIRE, 28 OHMS DC RESISTANCE; TERMINALS 1 AND 2. SEC #1: 330 V AT 0.01 AMP DC (CT); 2160 TURNS 0.0035E WIRE, 870 OHMS, DC RESISTANCE; TERMINALS 3,4,5 SEC #2: 6.4 V AT 6.4 AMP, 43 TURNS 0.032
11/27/42 CRV:K901520 CG:K-901520-C501
MAY 43 SUB 1

CG-30979

E WIRE. 0.23 OHMS DC RESISTANCE; TERMINALS 6 AND 7.

CPU 30980 OAA-2

POWER TRANSFORMER:
PRIMARY: 115/1/60 V, 19.8 WATTS, 39.5 OHMS DC RESISTANCE. SECONDARY #1: 480 V CENTER TAPPED, 14.25 WATTS, 755 OHMS TOTAL DC RESISTANCE. SECONDARY #2: 6.3 V, 1.5 AMP, 9.45 WATTS, 0.335 OHMS DC RESISTANCE.
12/22/42 CPU:5192-W CGI:S15-2435
MAY 43 CPU:10011 REV0

CPU30980

PR.M. 806 TURNS #30E WIRE. SEC #1:3700 TURNS #37E WIRE. SEC #2:48 TURNS #2DE WIRE. SAME ELECTRICAL CHARACTERISTICS AS CPU-301176.

HENRY MINIMUM. FREQ. RANGE: 250 TO 3500 CPS.

CAY 30982 CAY-23304

INPUT TRANSFORMER:
TURNS RATIO 1 TO 32. PRIMARY TO SECONDARY. PRIMARY 10.6 OHMS DC RESISTANCE, #30 ENAM. WIRE, 400 TURNS. SECONDARY; 12800 TURNS CT, 7350 OHMS DC RESISTANCE, #42 ENAM. WIRE. PRIMARY INDUCTANCE AT 0.5 V 60 CYC AND 0.080 AMP DC IS 0.144
1/6/42 CAY:L-386918 CAY:T-7604719-
MAY 43 G16 SUB 38

CAY30982

HENRY MINIMUM. FREQ. RANGE: 250 TO 3500 CPS.

CH-30983 QBF

TRANSFORMER ASSEMBLY:
PRIMARY: 115,220 OR 440/1/60. SECONDARY: 115 V AT 8.7 AMPS MAXIMUM.

1/11/42 CW:D-163461 CW:ESX-643294
MAY 43 ISSUE 2

CRV 30984 QCO-2

LINE TRANSFORMER:
TWO PRIMARIES CONNECTED 440/220/1/60. SECONDARY TAPPED AT 105/115/125 V 0.8 K VA. PRIMARIES #1:154 TURNS OF 0.0453E COPPER WIRE 1.01 OHMS DC RES. PRIM .0453 #2 154 TURNS OF 0.0453E COPPER WIRE, 1.41 OHMS DC RES. SECONDARY:89 TURNS OF 0.085
1/14/43 CRV:XT-4270 CRV:K-901571-
MAY 43 501 REV 0

CRV30984

X 0.085 COPPER WIRE, 0.075 OHMS DC RES, 7 AMPS. SIMILAR TO CRV-30468 EXCEPT FOR SECONDARY.

CG-30985 SM 17 T 20

POWER TRANSFORMER:
RATED: 2 K VA. INPUT: 450/1/60, 4.6 AMP. OUTPUT: 117/1/60, 17 AMP. EXPOSED CORE TYPE.

1/28/43 CAT #606569 CG:Y-5097875
MAY 43 REV 0

CTH 30986 SL

CHOKE COIL:
RATED: 3.5 HENRIES, 15 V/120 CPS, 0.125 AMP DC. 2300 TURNS #28E WIRE WITH 70 OHMS DC RESISTANCE. SHELL TYPE WITH SILICON STEEL CORE.

*CTH:T-47750, CW:KS-8883 ISSUE 1
1/28/43 *SEE ABOVE CTH:ESL-640171
MAY 43 ISSUE 1

CJE 30987 SL

POWER TRANSFORMER:
RATED 30 WATTS. PRIMARY: 115/60 AT 0.5 AMP. SEC #1/#2: 2.5V AT 5.0 AMP/5600V AT 0.004 AMP. INCLUDES SPENCER THERMOSTAT COMPANY TYPE SA615 PROTECTION UNIT.

*CJE:463-001-139, CW:KS-8886 ISSUE 1
1/28/43 *SEE ABOVE CJE:ESL-642173
NOV. 43 ISSUE 1

CJE 30988 SL

POWER TRANSFORMER:
RATED 330 WATTS. PRIMARY: 115V/60 CYC, 3.0 AMP. SECONDARIES: TERMINALS 3-4/5-6/7-8/9-10/11-12/13-17/14-16/: 5.1V, 3.0A/ 5.1V, 3.0A/6.3V, 2.5A/6.3V, 1.25A/6.5V, 11.0/850V, 0.225A/500V, 0.125A. TERMINAL
*CJE:463-001-139, CW:KS-8890 ISSUE 1
1/28/43 *SEE ABOVE CJE:ESL-640170
MAY 43 ISSUE 1

CJE30988

#15 IS CENTER TAP TO BOTH 13-17 AND 14-16, SHELL TYPE.

CRV 30989 MKII, MKII, MOD I

FILAMENT TRANSFORMER:
PRIMARY RATED 110/115/120 V SINGLE PHASE 60 CYC, 0.25 AMP; 438 TURNS 0.0142E WIRE TAPPED AT 402 AND 420 TURNS 10.7 OHMS DC RESISTANCE. SEC#1/SEC#2: 6.3/6.3 V AT 1.2/2.25 AMP 24/24 TURNS 0.0359E/0.0508E WIRE; 0.112/0.058 OHMS DC RESISTANCE.
1/30/43 CRV:K-901524 CRV:K-901524-
AUG 43 501 SUB 5

CRV30989

PRIMARY TERMINALS 1-2, 1-3, 1-4. SECONDARY TERMINALS 5-6, 7-8.

CRV 30989-A MK 26 MOD 3

FILAMENT TRANSFORMER
PRI: 110/115/120V, SINGLE PHASE, 60 CYCLES, 0.25 AMP, 427/409/391 TURNS #0.0126E WIRE, 13.5Ω D.C. RES. SEC #1/SEC #2: 6.3/6.3 VOLTS AT 2.25/1.20 AMP, 24/24 TURNS 0.0582E/0.0284E WIRE, 0.244/0.123Ω D.C. RES. PRI: TERM. 7/5/44 CRV:K-901742 CRV:K-901742-
SEPT. 44 501

CRV30989-A

1-2, 1-3, 1-4. SECONDARY TERMINALS 5-6, 7-8.

CAY 30981 CAY-23304

OUTPUT TRANSFORMER:
TURNS RATIO 1.82 TO 1. PRIMARY TO SECONDARY. PRIMARY 90 OHMS DC RESISTANCE. #32 ENAM. WIRE, 1600 TURNS CT. SECONDARY 880 TURNS TAPPED AT 620; 42 OHMS DC RESISTANCE. #30 ENAM. WIRE. PRIMARY INDUCTANCE AT 20 V 60 CYC AND 0.003 AMP DC IS 8.5
1/6/42 CAY:L-386917 CAY:T-7604719-
MAY 43 G14 SUB 38

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED
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RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CRV30990
ANCE. PRIMARY TERMINALS 1-2, 1-3, 1-4.
SECONDARY TERMINALS 5-6, 7-8.

CRV30994
TERMINALS 0-11C, 0-115, 0-120; SECONDARY
TERMINALS 5-6

CG: 301000 MARK 11
PLATE & FILAMENT TRANS-
FORMER: PRIMARY RATED: 115/1/60 AT 1.24
AMPS, 1.005 OHMS DC RESISTANCE WITH
0.0403"E WIRE. SEC #1/SEC #2/SEC #3/SEC
#4/SEC #5 RATED: 830CT/6.3/5.0/6.3/20 V;
0.125/1.0/3.0/6.0/0.6 AMP; 70.5/0.1014/
0.0275/0.01915/0.5515 OHM DC RESISTANCE;
2/2/43 CG:7467112 CG:M-7467112
MAY 43 REV 6

CRV30991 MKII, MKII MOD1
PLATE TRANSFORMER:
PRIMARY RATED 110/115/120 V, SINGLE PHASE
60 CYC; 0.25 AMP; 4#2 TURNS 0.0179E
WIRE TAPPED AT 378 AND 394 TURNS; 6.72
OHMS DC RESISTANCE. SECONDARY RATED 1150
V AT 0.015 AMP DC, TAPPED AT 475 V; 3950
TURNS 0.0045E WIRE TAPPED AT 1550 TURNS.
1/30/43 CRV:K-901495 CRV:K-901495-501
AUG 43 SUB 2

CRV30995 MKII, MKII MOD1
FILAMENT TRANSFORMER:
PRIMARY RATED 110/115/120 V, SINGLE
PHASE, 60 CY; 0.290 AMP; 435 TURNS
0.0179E WIRE TAPPED 399 AND 417 TURNS;
7.4 OHMS DC RESISTANCE. SECONDARY RATED
2.56 V AT 10 AMP; 10 TURNS 0.095X0-095
WIRE: 0.018 OHMS DC RESISTANCE. PRIMARY
1/30/43 CRV:K-901489 CRV:K-901489-
AUG 43 SUB 4

CG: 301000
WITH .0142"E/0.0359E/0.0641E/0.110"X0.06
DC/0.0285E WIRE.

CRV30991
1225 OHMS DC RESISTANCE. PRIMARY TERM-
INALS 1-2, 1-3, 1-4, SECONDARY TERMINALS
5-6-7.

CRV30995
TERMINALS 0-1, 0-2, 0-3. SECONDARY
TERMINALS ARE TWO INSULATED BUSHINGS.

CG: 301001 MARK 11
TRANSFORMER:
PRIMARY RATED: 115/1/60 AT 0.180 AMP.
10.9 OHMS RESISTANCE. WITH 0.0159 E WIRE.
SEC #1/SEC #2/SEC #3 RATED: 1700/2.5/6.3
V. 0.002/1.75/0.6 AMP; 5280/0.0557/0.362
OHMS RESISTANCE WITH 0.0035"E/0.0453"E/
0.0285E WIRE.
2/2/43 CG:7467114 CG:M-7467114
MAY 43 REV 5

CRV30992 MKII, MKII MOD1
FILAMENT TRANSFORMER:
PRIMARY RATED 110/115/120 V SINGLE PHASE
60 CY. 0.270 AMP; 540 TURNS 0.0142E WIRE
TAPPED AT 495 AND 515 TURNS; 13.8 OHMS
DC RESISTANCE. SEC #1/SEC#2: 6.3/2.5 V
AT 0.60/5.0 AMPS, 30/12 TURNS 0.0226E/
0.0641E WIRE. 0.336/0.018 OHMS DC RESIST-
1/30/43 CRV:K-901497 CRV:K-901497-
AUG 43 SUB 4

CRV30996 MKII, MKII MOD1
FILAMENT TRANSFORMER:
PRIMARY RATED 115 V SINGLE PHASE, 60 CY;
0.20 AMP; 535 TURNS 0.0100 E WIRE; 26.2
OHMS DC RESISTANCE. SECONDARY RATED 6.3
V AT 1.7 AMP; 33 TURNS 0.0253E WIRE;
0.44 OHMS DC RESISTANCE. PRIMARY
TERMINALS 1-2, SECONDARY TERMINALS 4-5.
1/30/43 CRV:K-901551 CRV:K-901551-
AUG 43 SUB 5

CFX301002 PD-1
POWER TRANSFORMER:
PRIMARY 110/115/120 V. (115V, 2.6 AMPS)
1 PHASE, 60 CY. SECONDARIES 800 V, 300
MA. CT /5.3 V, 6 AMPS, CT/6.3 V, 4 AMPS.
CT/5 V, 6 AMPS, CT. 16 TERMINALS. FOR
WINDING DATA SEE TYPE NO. FILES. WEIGHT
20 1/4#.
2/5/43 CCH 6-186 CCS:B-654 REV 0
AUG. 43 CFX:11376

CRV30992
ANCE. PRIMARY TERMINALS 1-2, 1-3, 1-4.
SECONDARY TERMINALS 5-6, 7-8.

CRV30996
ELECTROSTATIC SHIELD TERMINAL 3.

CFX301003 PD-1
AUDIO CHOKE:
8 HENRIES. RATED 165 MA. DC RESISTANCE
275 ± 10% OHMS. CORE AND STACK 1 1/8"X
1 1/8". WEIGHT 4 POUNDS 6 OUNCES.
4000 TURNS #31E WIRE, 1500 VOLTS TEST.

2/5/43 CCS:6-187 CCS:B-654
AUG 43 CFX:11377 REV 0.

CRV30993 MKII, MKII MOD1
FILAMENT TRANSFORMER:
PRIMARY RATED 110/115/120 VOLTS SINGLE
PHASE 60 CY; 0.90 AMP. 1460 TURNS
0.0063E WIRE; 110 OHMS DC RESISTANCE.
SECONDARY 6.4V AT 0.90 AMP; 91 TURNS
0.0253E WIRE: 0.50 OHMS DC RESISTANCE.
*501 SUB 4, CG:M-7467112-1
1/30/43 CRV:K-901553 CRV:K-901553-
DEC. 44 *SEE ABOVE.

CW: 30997 MARK 9
REACTOR:
2500 HENRIES MINIMUM AT 100 V, 30CY & 0.1
MA DC 66000 TURNS OF #40E WIRE WITH
26,000 OHMS MAXIMUM DC RESISTANCE.

CFX301004 PD-1
AUDIO CHOKE:
4 HENRIES. RATED 300 MA. DC RESISTANCE
24±10% OHMS. CORE AND STACK 1 1/2"X1 1/2"
WEIGHT 9 POUNDS 1 OUNCE. 1420 TURNS
#24E WIRE, 2500 VOLTS TEST.

2/5/43 CCS:6-189 CCS:B-654
AUG 43 CFX:11379 REV 0

CRV30993
PRIMARY TERMINALS 1-2, 1-3, 1-4 SECON-
DARY TERMINALS 5-6. SIMILAR TO -301516
EXCEPT FOR TERMINALS.

CG: 30998 MARK 11
TRIGGER TRANSFORMER:
PRIMARY RATED: 50 V., 0.05 AMP, 180 OHMS
DC AND 0.0029" WIRE. SECONDARY RATED: 11
V. 0.23 AMP, 4.45 OHMS DC AND 0.0031"
WIRE. TEST VOLTAGE: 500 V.

CFX301005 PD-1
TRANSFORMER:
PRIMARY 115/1/6C, 0.055 AMP.
SECONDARY 10 V, 0.5 AMPS. 1500 VOLTS
TEST.

2/5/43 CCS:6-188 CCS:B-654
AUG 43 CFX:11378 REV 0

CRV30994 MKII, MKII MOD1
PLATE TRANSFORMER:
PRIMARY RATED 110/115/120 V SINGLE PHASE
60 CY; 1.0 AMP; 300 TURNS 0.0403E WIRE
TAPPED AT 275 AND 288 TURNS; 1.29 OHMS
DC RESISTANCE. SECONDARY RATED 8650 V AT
0.008 AMP DC, 22000 TURNS 0.0063E WIRE,
6090 OHMS DC RESISTANCE. PRIMARY
1/30/43 CRV:K-901550 CRV:K-901550-
AUG 43 SUB 3

CG: 30999 MARK 11
FILTER REACTOR:
RATED 5.0 HENRIES, 10 V 60 CY, 0.125 AMP
DC, 87.6 OHMS RESISTANCE, 0.0115 WIRE.

CFX301006 PD-1
AUDIO TRANSFORMER:
TERMINALS 1/2/3/4/5/6, 0/50/200/4000/
GRO/GRID OHMS IMPEDANCE, 600 V WINDING
TEST VOLTAGE.

2/5/43 CCS:6-191 CCS:B-654
AUG 43 CFX:11381 REV 0

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED
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Class 30—Transformers and Reactors

3.30-53

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CFX 301007 PD-1 AUDIO TRANSFORMER: PRIMARY IMPEDANCE 1500 OHMS. SECONDARY 1000 OHMS WITH CT. TWO COIL CONSTRUCTION WINDING TEST VOLTAGE 500 V.	2/5/43 AUG 43	CCS:G-193 CFX:11388	CCS:B-654 REV 0.	CFX 301014 PD-1 OUTPUT TRANSFORMER: PRIMARY 10,000 OHMS PLATE TO PLATE. SECONDARY #1:50 OHMS. SECONDARY #2:4 OHMS CT. WEIGHT 1 POUND 8 OUNCES. 8 TERMINALS. 1500 V TEST BETWEEN PRIMARY AND SECONDARY. 500 VOLTS TEST BETWEEN SECONDARIES.	2/5/43 AUG 43	CCS:G-196 CFX:11386	CCS:B-654 REV 0	301019-A WIRE. 0.025/3.0/2.5 AMPS. SAME AS -301019 EXCEPT TERMINALS ARE 3/8" HIGH INSTEAD OF 1".
CFX 301008 PD-1 OUTPUT TRANSFORMER: PRIMARY 5000 OHMS PLATE TO PLATE. CENTER TAPPED. SECONDARIES 4/3/200 (CENTER TAPPED) /500 OHMS. 12 TERMINALS. (WEIGHT 14 POUNDS 14 OUNCES)) WINDING TEST VOLTAGE 500 VOLTS.	2/5/43 AUG 43	CCS:G-190 CFX:11380	CCS:B-654 REV 0.	CFX 301015 PD-1 INPUT TRANSFORMER: 50 OHMS (200/600 OHMS BALANCED) TO 50,000 OHMS GRID. TWO COIL CONSTRUCTION. WEIGHT 1 POUND 8 OUNCES. 8 TERMINALS. 500 VOLTS TEST.	2/5/43 AUG 43	CCS:G-194 CFX:11384	CCS:B-654 REV 0	CRV 301020 -55ACX TRANSFORMER: PRIMARY RATED 300 V. 60 CY. 0.05 AMP AC (0.035 AMPS DC). 4000 TURNS OF 0.0056E WIRE WITH 870 OHMS DC RESISTANCE. SEC #1/SEC #2: 50/50 V. 0.2/0.2 AMP. 500/500 TURNS OF 0.0159E WIRE WITH 11.0/11.0 OHMS DC RESISTANCE.
CFX 301009 PD-1 INPUT TRANSFORMER: 50 OHMS CT TO 50,000 OHMS. BALANCED TWO COIL CONSTRUCTION. PRIMARY 150 TURNS #30 EACH COIL. 3.45 OHMS±10% DC RESISTANCE. SECONDARY 4750 TURNS #42 EACH COIL 1900 OHMS±10% DC RESISTANCE. WEIGHT 1 POUND 6 OUNCES. 5 TERMINALS. 500 V TEST	2/5/43 AUG 43	CCS:G-192 CFX:11503	CCS:B-654 REV 0	CKA 301016 PD-1,PH,PJ COIL: STEPPACK MECHANISM COIL. COIL LAYER WOUND AND VACUUM IMPREGNATED. SUPPLIED WITH SOLDER LUGS. 16,000 TURNS OF #40E WIRE DC RESISTANCE 4000 OHMS±10%. INSIDE DIMENSIONS 0.625"X0.187" MIN. MAX LENGTH 1 1/4" WEIGHT 2 OUNCES. COIL RATED 150 V 37.5 MA DC.	2/5/43 AUG 43	CCS:G-194 CFX:11384	CCS:A-724 CFX:11544	301020-A -55ACX* TRANSFORMER: PRIMARY RATED 300 V. 60 CY. 0.05 AMP AC (0.035 AMPS DC). 4000 TURNS OF 0.0056E WIRE WITH 870 OHMS DC RESISTANCE. SEC #1/ #2: 50/50 V. 0.2/0.2 AMPS. 500/500 TURNS OF 0.0159E WIRE WITH 11.0/11.0 Ω *XNS-10809 7/23/43 SEPT 43
CFX 301010 PD-1 AUDIO TRANSFORMER: BALANCED TWO COIL CONSTRUCTION. PRIMARY 1000 TURNS#35 EACH COIL 73.8 ±10% OHMS DC RESISTANCE. SECONDARY 5000 TURNS #42 EACH COIL. 2177 OHMS±10% DC RESISTANCE. WEIGHT 1 POUND 4 1/2 OUNCES. 5 TERMINALS. PRIMARY 2000 OHMS CENTER TAPPED. SECOND-	2/5/43 AUG 43	CCS:G-195 CFX:11504	CCS:B-654 REV 0	CFX 301010 ARY 50,000 OHMS. 500 V TEST.	2/5/43 AUG 43	CCS:G-195 CFX:11504	CCS:A-723 CFX:11543	301020-A DC RESISTANCE. SAME AS -301020 EXCEPT TERMINALS ARE 3/8" HIGH INSTEAD OF 1".
CFX 301011 PD-1 POWER TRANSFORMER: PRIMARY 115/1/60 35VA. SEC #1:275 V EACH SIDE OF CT. SEC. #2: 6.3 V. 2.1 AMPS CT WEIGHT 5 POUNDS 15 1/2 OUNCES. 8 TERMINALS. HIGH VOLTAGE CT CURRENT 0.050 AMPS.	2/5/43 AUG 43	CCS:G-199 CFX:11389	CCS:B-654 REV 0	CG: 301021 SM FILAMENT TRANSFORMER: RATED 0.0174 KVA PRIMARY: 115 V. 60 CY. SECONDARY: 6.3 V ± 3%, 2.75 AMP RMS. AMBIENT TEMPERATURE RANGES: 0° + 65°C	2/9/43 MAY 43	CRV:901425-501 CRV:K-901425-501 SUB 1	CG:K43J312 REV 0.	CG: 301022 SM FILAMENT TRANSFORMER: RATED 0.0866 KVA PRIMARY:115V. 60 CY. SEC #1/#2/#3/#4/#5/#6/#7:6.3/6.3/6.3/6.3/6.3/6.3/6.3 V. 9.5/11.5/0.9/0.9/0.45/0.65/0.3 AMP RMS. AMBIENT TEMP RANGE: 0° TO 60° C.
CFX 301012 PD-1 AUDIO CHOKE: 50 HENRIES. RATED 5MA DC. 8000 TURNS #40 -2190 OHMS±10% DC RESISTANCE. WEIGHT 11 OUNCES. 1000 VOLTS TEST.	2/5/43 AUG 43	CCS:G-198 CFX:11388	CCS:B-654 REV 0	CFX 301018 -55ACX REACTOR: RATED 3.0 V.. 60 CY. 0.045 AMP. 5000 OHMS IMPEDANCE. 5100 TURNS OF 0.004E WIRE WITH 1000±15% OHMS DC RESISTANCE.	2/9/43 MAY 43	CRV:901580-501 CRV:K-901580-501 SUB C	CG:K-43J14 REV 0	CG: 301023 SM FILAMENT TRANSFORMER: PRIMARY 115 V. 60 CY. SECONDARY 6.3 V ± 3%. 1.5 AMP RMS. AMBIENT TEMPERATURE RANGE 0°C TO 60°C. CORE AND COIL TYPE.
CFX 301013 PD-1 AUDIO CHOKE: 12 HENRIES. RATED 50 MA DC 4000 TURNS #56-500 OHMS±10% DC RESISTANCE. WEIGHT 1 POUND 2 OUNCES. 1000 VOLTS TEST.	2/5/43 AUG 43	CCS:G-197 CFX:11387	CCS:B-654 REV 0	CFX 301019 -55ACX POWER TRANSFORMER: PRIMARY RATED 115CV. 60 CY. 6.45 OHMS DC RESISTANCE. 348 TURNS OF 0.0179E WIRE. SEC#1/SEC#2/SEC#3: 400CT/6.3/6.3 V. 505/0.06/0.06 OHMS DC RESISTANCE. 1230/20/20 TURNS OF 0.0040E/0.0508E/0.0453E WIRE 0.025/5.0/2.5 AMP.	2/9/43 MAY 43	CG:K43J991 CG:K-43J991	K-43J991 REV 0	CG- 301024 SM TRANSFORMER-MODULATION: CONSISTS OF 3 LAYER WINDINGS AND 1 TRIGGER WINDING. FIRST LAYER: SECOND WINDING WITH 33 TURNS. 15KV OUTPUT. SECOND LAYER PRIMARY WINDING WITH 22 TURNS. THIRD LAYER: SECONDARY WINDING WITH 33 TURNS. 15KV OUTPUT. TRIGGER WINDING CONSISTS OF

RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
		CG-301024			CG-301032 SM			CG:301040 SM
		2 TURNS, LAYER 1 AND 3 CONNECTED EXTERNALLY IN SERIES HAVE OUTPUT OF 30KY.			PLATE TRANSFORMER: RATED 0.0135 KVA. PRIMARY: 117 V. 60 CYC SECONDARY: 4500 V. 0.001 AMP DC. AMBIENT TEMPERATURE RANGE IS -30°C TO +60°C WITH 35°C ALLOWABLE TEMPERATURE RISE.			POWER TRANSFORMER: RATED: 0.014KVA. PRIMARY: 115 V. 60 CY. SEC #1/SEC#2: 300 V CT/300 V CT.
		CG-301025 SM			CG-301033 SM			CG:301041 SM
		TRANSFORMER-FILAMENT: PRIMARY RATED: 115/1/60, 0.25 AMP. 494 TURNS OF #0.0179"E WIRE WITH 9.07 OHMS DC RESISTANCE. SECONDARY: 5.0 V, 4 AMP, 23 TURNS OF #0.075" X 0.050" DC WIRE WITH 0.0421 OHMS DC RESISTANCE.			PLATE TRANSFORMER: RATED 0.0326 KVA. PRIMARY 117 V. 60 CYC. SECONDARY 2300 V. 0.014 AMP DC. AMBIENT TEMPERATURE RANGE IS -30°C TO +60°C WITH 35°C ALLOWABLE TEMPERATURE RISE.			POWER TRANSFORMER: RATED 0.0933KVA. PRIMARY: 115 V 60 CY. SEC #1/SEC#2/SEC#3/SEC#4: 1000CT/5.0CT/ 6.3CT/6.3CT V; 0.1 AMP DC/3.0/4.2/.3 AMP AC
		2/12/43 CG:7467834			CG-M-32J700			CG:K-5805499-
		MAY 43			REV 2			HK REV 2.
		CG-301026 SM			CG-301034 SM			CG:301042 SM
		TRANSFORMER-FILAMENT: PRIMARY RATED: 115/1/60, 0.31 AMP. 728 TURNS OF #0.0179"E WIRE WITH 10.8 OHMS DC RESISTANCE. SECONDARY: 10 V, 3.0 AMP, 69 TURNS OF #0.0610"E WIRE WITH 0.1320 OHMS DC RESISTANCE.			FILAMENT TRANSFORMER: RATED 0.0402 KVA. PRIMARY 117 V. 60 CYC. SEC #1/SEC#2/SEC#3/SEC#4/SEC#5: 6.3/6.3/ 2.5/2.5/2.5 V, 2.0/2.0/2.0/2.0/2.0 AMP. RATED 60°C AMBIENT.			REACTOR: RATED 10.0 HENRIES, 0.1 AMP. 200 OHMS DC RESISTANCE.
		2/12/43 CG:7467834			CG-M-32J703			CG:K-5805499-
		MAY 43			REV 2			HJ REV 1.
		CG-301027 SM			CG-301035 SE			CAY301043 TAB-6
		TRANSFORMER-FILAMENT: PRIMARY RATED: 115/1/60, 1.05 AMP. 260 TURNS OF #0.0359"E WIRE WITH 1.690 OHMS DC RESISTANCE. SECONDARY: 5.0 V, 20.0 AMP. 12.0 TURNS OF 0.160" X 0.120" DC WIRE WITH 0.00614 OHMS DC RESISTANCE.			AUTO-TRANSFORMER: RATED 1.0 KVA. INPUT: 90 TO 130 V. 50/60 CYC. OUTPUT 115 V MAXIMUM CURRENT IS 8.7 AMP.			REACTOR: RATED 1.5 HENRIES AT 250 VOLTS DC. 0.5 AMPS. 1000 TURNS OF #20 WIRE WITH 2.75 OHMS DC RESISTANCE.
		2/12/43 CG:7467842			CG-M-32J705			CG:K-5805499-
		MAY 43			REV 0			HS REV 3.
		CG-301028 SM			CAT 301036 SE			CAY301044 TAB-6
		AUTOTRANSFORMER: INPUT: 115 V. RATED 5.0 AMP. 7.5 AMP MAX. IMUN OUTPUT VOLTAGE: 0 TO 135 V. SAME AS -30740 EXCEPT: MODIFIED BRUSH, STOP RE- MOVED FOR 360 ROTATIONS AND GAP BRIDGED ON CONTACT SURFACE.			AUTO-TRANSFORMER: RATED 0.5KVA. INPUT: 90 TO 130 V. 50/60 CYC. OUTPUT: 115 V, MAXIMUM CURRENT IS 4.35 AMP.			REACTOR RATED 1 HENRY AT 2200 VOLTS DC. 2.2 AMPS DC RESISTANCE IS 5.45 OHMS. BREAKDOWN VOLTAGE IS 3800 VOLTS. 60 CYCLES. 1200 TURNS 0.045 DIAMETER ENAMELLED WIRE.
		2/12/43 CG:7467832			CW:KS-5936			CAY:L-406796
		MAY 43			LIST 01			NOV. 43
		CG-301029 SM			CW:KS-5936L01			CAY:M-7409616
		FILAMENT TRANSFORMER: RATED 0.0866 KVA. PRIMARY: 115 V. 60 CYC. SEC#1/SEC#2/SEC#3/SEC#4/SEC#5/SEC#6#:6.3/ 6.3/6.3/6.3/6.3 V; 8.5/0.9/0.9/0.9/ 0.65/0.3 AMP. CORE AND COIL TYPE.			ISSUE 1			REV 0
		2/15/43 CAT:#K44J37			CW:KS-5936L02			S#1309356
		MAY 43			ISSUE 1			7-D-5771
		CG-301030 SM			CW:KS-5936L02			NOV. 43
		COUPLING TRANSFORMER: FREQ. RANGE: 20 TO 100 CYC INPUT IMPED- ANCE: 7000 OHMS, TAPPED AT 5000, 2500, 1000, 500 OHMS. OUTPUT: IMPEDANCE 40,000 OHMS CENTER TAPPED.			ISSUE 1			SUB 2
		2/15/43 CG:68G792			CG:K-5805499HP			CAY301045 TAB-6
		MAY 43			REV 2			REACTOR: RATED 10.0 HENRIES AT 100 TO 120 CY. 1000V PEAK 0.3 AMP. 2400 TURNS OF #26 WIRE WITH 74.0 OHMS DC RESISTANCE.
		CG-301031 SM			CG:K-5805499HN			CAY:L-386936
		FILAMENT TRANSFORMER: PRIMARY: 125 V. 60 CYC. TAPPED AT 115 V. SECONDARY: 6.3 V CT, 6.0 AMP.			REV 1			NOV. 43
		2/15/43 CG:68G792			CG:K-5805499HN			CAY:M-7409617
		MAY 43			REV 2			REV 0
		CG-301032 SM			CFT 301046 TDW			CFT:F-21055
		PLATE TRANSFORMER: RATED 0.0078 KVA. INPUT 115 V CT, 60 CYC OUTPUT 78 V. 0.1 AMP.			PLATE TRANSFORMER: INPUT: 220/3/50-60, 50.5 AMP (LINE), 29.2 AMP (LEG). OUTPUT: 3150 V (LINE), 1820 (LEG); 3.28 AMP (LINE & LEG)			CFT:F-21055-1B
		2/15/43 CG:68G774			CG:K-5805499HN			3/1/43
		MAY 43			REV 1			MAY 43
		CG-301033 SM			CFT-301046-A TDW-2.3.4			
		FILAMENT TRANSFORMER: PRIMARY 55V, 60 CYC. TAPPED AT 40, 20, 4, 2 V. SEC#1/SEC#2: 22.5 V CT/22.5 V CT.			PLATE TRANSFORMER: INPUT: 220/3/50-60, 50.5 AMPS (LINE), 29.2 AMPS (LEG). OUTPUT: 3150 VOLTS (LINE), 1820 (LEG), 3.28 AMPS (LINE & LEG). SAME AS BASIC NUMBER EXCEPT CASE SIZE IS SMALLER. MOUNTING PROVISIONS ARE THE SAME.			9/13/44 F-21054-1
		2/15/43 CG:9NB64			CG:K-5805499HT			NOV. 44
		MAY 43			REV 0			RC-5431-1A
		CG-301034 SM			CG:K-5805499HT			
		TRANSFORMER-FILAMENT: PRIMARY RATED: 115/1/60, 0.31 AMP. 728 TURNS OF #0.0179"E WIRE WITH 10.8 OHMS DC RESISTANCE. SECONDARY: 10 V, 3.0 AMP, 69 TURNS OF #0.0610"E WIRE WITH 0.1320 OHMS DC RESISTANCE.			REV 0			
		2/12/43 CG:7467842			CG:K-5805499HT			
		MAY 43			REV 0			
		CG-301035 SE			CG:K-5805499HT			
		AUTO-TRANSFORMER: RATED 1.0 KVA. INPUT: 90 TO 130 V. 50/60 CYC. OUTPUT 115 V MAXIMUM CURRENT IS 8.7 AMP.			REV 0			
		2/12/43 CG:7467832			CG:K-5805499HT			
		MAY 43			REV 0			
		CG-301036 SE			CG:K-5805499HT			
		AUTO-TRANSFORMER: RATED 0.5KVA. INPUT: 90 TO 130 V. 50/60 CYC. OUTPUT: 115 V, MAXIMUM CURRENT IS 4.35 AMP.			REV 0			
		2/12/43 CG:7468816			CG:K-5805499HT			
		MAY 43			REV 2			
		CG-301037 SM			CG:K-5805499HT			
		FILAMENT TRANSFORMER: RATED 0.05 KVA. PRIMARY 115 V. 60 CYC. OUTPUT: 5 V, 10 AMP.			REV 0			
		2/15/43 CAT:#K44J37			CG:K-5805499HT			
		MAY 43			REV 0			
		CG-301038 SM			CG:K-5805499HT			
		COUPLING TRANSFORMER: FREQ. RANGE: 20 TO 100 CYC INPUT IMPED- ANCE: 7000 OHMS, TAPPED AT 5000, 2500, 1000, 500 OHMS. OUTPUT: IMPEDANCE 40,000 OHMS CENTER TAPPED.			REV 0			
		2/15/43 CG:68G792			CG:K-5805499HT			
		MAY 43			REV 2			
		CG-301039 SM			CG:K-5805499HT			
		FILAMENT TRANSFORMER: PRIMARY: 125 V. 60 CYC. TAPPED AT 115 V. SECONDARY: 6.3 V CT, 6.0 AMP.			REV 0			
		2/15/43 CG:68G774			CG:K-5805499HT			
		MAY 43			REV 0			
		CG-301040 SM			CG:K-5805499HT			
		POWER TRANSFORMER: RATED: 0.014KVA. PRIMARY: 115 V. 60 CY. SEC #1/SEC#2: 300 V CT/300 V CT.			REV 0			
		2/21/43 CG:68G699			CG:K-5805499HT			
		MAY 43			REV 2			
		CG-301041 SM			CG:K-5805499HT			
		POWER TRANSFORMER: RATED 0.0933KVA. PRIMARY: 115 V 60 CY. SEC #1/SEC#2/SEC#3/SEC#4: 1000CT/5.0CT/ 6.3CT/6.3CT V; 0.1 AMP DC/3.0/4.2/.3 AMP AC			REV 0			
		2/21/43 CG:68G698			CG:K-5805499HT			
		MAY 43			REV 1			
		CG-301042 SM			CG:K-5805499HT			
		REACTOR: RATED 10.0 HENRIES, 0.1 AMP. 200 OHMS DC RESISTANCE.			REV 3.			
		2/12/43 CG:7467842			CG:K-5805499HT			
		MAY 43			REV 1			
		CG-301043 TAB-6			CG:K-5805499HT			
		REACTOR: RATED 1.5 HENRIES AT 250 VOLTS DC. 0.5 AMPS. 1000 TURNS OF #20 WIRE WITH 2.75 OHMS DC RESISTANCE.			REV 0			
		2/12/43 CG:7467832			CG:K-5805499HT			
		MAY 43			REV 1			
		CG-301044 TAB-6			CG:K-5805499HT			
		REACTOR RATED 1 HENRY AT 2200 VOLTS DC. 2.2 AMPS DC RESISTANCE IS 5.45 OHMS. BREAKDOWN VOLTAGE IS 3800 VOLTS. 60 CYCLES. 1200 TURNS 0.045 DIAMETER ENAMELLED WIRE.			REV 0			
		2/12/43 CG:7468816			CG:K-5805499HT			
		MAY 43			REV 2			
		CG-301045 TAB-6			CG:K-5805499HT			
		REACTOR: RATED 10.0 HENRIES AT 100 TO 120 CY. 1000V PEAK 0.3 AMP. 2400 TURNS OF #26 WIRE WITH 74.0 OHMS DC RESISTANCE.			REV 0			
		2/15/43 CAT:#K44J37			CG:K-5805499HT			
		MAY 43			REV 0			
		CG-301046 TDW			CG:K-5805499HT			
		PLATE TRANSFORMER: INPUT: 220/3/50-60, 50.5 AMP (LINE), 29.2 AMP (LEG). OUTPUT: 3150 V (LINE), 1820 (LEG); 3.28 AMP (LINE & LEG)			REV 0			
		2/15/43 CG:68G792			CG:K-5805499HT			
		MAY 43			REV 2			
		CG-301046-A TDW-2.3.4			CG:K-5805499HT			
		PLATE TRANSFORMER: INPUT: 220/3/50-60, 50.5 AMPS (LINE), 29.2 AMPS (LEG). OUTPUT: 3150 VOLTS (LINE), 1820 (LEG), 3.28 AMPS (LINE & LEG). SAME AS BASIC NUMBER EXCEPT CASE SIZE IS SMALLER. MOUNTING PROVISIONS ARE THE SAME.			REV 0			
		2/15/43 CG:9NB64			CG:K-5805499HT			
		MAY 43			REV 0			
		CG-301046-A TDW-2.3.4			CG:K-5805499HT			
		PLATE TRANSFORMER: INPUT: 220/3/50-60, 50.5 AMPS (LINE), 29.2 AMPS (LEG). OUTPUT: 3150 VOLTS (LINE), 1820 (LEG), 3.28 AMPS (LINE & LEG). SAME AS BASIC NUMBER EXCEPT CASE SIZE IS SMALLER. MOUNTING PROVISIONS ARE THE SAME.			REV 0			
		2/15/43 CG:68G774			CG:K-5805499HT			
		MAY 43			REV 0			
		CG-301046-A TDW-2.3.4			CG:K-5805499HT			
		PLATE TRANSFORMER: INPUT: 220/3/50-60, 50.5 AMPS (LINE), 29.2 AMPS (LEG). OUTPUT: 3150 VOLTS (LINE), 1820 (LEG), 3.28 AMPS (LINE & LEG). SAME AS BASIC NUMBER EXCEPT CASE SIZE IS SMALLER. MOUNTING PROVISIONS ARE THE SAME.			REV 0			
		2/15/43 CG:68G792			CG:K-5805499HT			
		MAY 43			REV 2			
		CG-301046-A TDW-2.3.4			CG:K-5805499HT			
		PLATE TRANSFORMER: INPUT: 220/3/50-60, 50.5 AMPS (LINE), 29.2 AMPS (LEG). OUTPUT: 3150 VOLTS (LINE), 1820 (LEG), 3.28 AMPS (LINE & LEG). SAME AS BASIC NUMBER EXCEPT CASE SIZE IS SMALLER. MOUNTING PROVISIONS ARE THE SAME.			REV 0			
		2/15/43 CG:9NB64			CG:K-5805499HT			
		MAY 43			REV 0			
		CG-301046-A TDW-2.3.4			CG:K-5805499HT			
		PLATE TRANSFORMER: INPUT: 220/3/50-60, 50.5 AMPS (LINE), 29.2 AMPS (LEG). OUTPUT: 3150 VOLTS (LINE), 1820 (LEG), 3.28 AMPS (LINE & LEG). SAME AS BASIC NUMBER EXCEPT CASE SIZE IS SMALLER. MOUNTING PROVISIONS ARE THE SAME.			REV 0			
		2/15/43 CG:68G774			CG:K-5805499HT			
		MAY 43			REV 0			
		CG-301046-A TDW-2.3.4			CG:K-5805499HT			
		PLATE TRANSFORMER: INPUT: 220/3/50-60, 50.5 AMPS (LINE), 29.2 AMPS (LEG). OUTPUT: 3150 VOLTS (LINE), 1820 (LEG), 3.28 AMPS (LINE & LEG). SAME AS BASIC NUMBER EXCEPT CASE SIZE IS SMALLER. MOUNTING PROVISIONS ARE THE SAME.			REV 0			
		2/15/43 CG:68G792			CG:K-5805499HT			
		MAY 43			REV 2			
		CG-301046-A TDW-2.3.4			CG:K-5805499HT			
		PLATE TRANSFORMER: INPUT: 220/3/50-60, 50.5 AMPS (LINE), 29.2 AMPS (LEG). OUTPUT: 3150 VOLTS (LINE), 1820 (LEG), 3.28 AMPS (LINE & LEG). SAME AS BASIC NUMBER EXCEPT CASE SIZE IS SMALLER. MOUNTING PROVISIONS ARE THE SAME.			REV 0			
		2/15/43 CG:9NB64			CG:K-5805499HT			
		MAY 43			REV 0			
		CG-301046-A TDW-2.3.4			CG:K-5805499HT			
		PLATE TRANSFORMER: INPUT: 220/3/50-60, 50.5 AMPS (LINE), 29.2 AMPS (LEG). OUTPUT: 3150 VOLTS (LINE), 1820 (LEG), 3.28 AMPS (LINE & LEG). SAME AS BASIC NUMBER EXCEPT CASE SIZE IS SMALLER. MOUNTING PROVISIONS ARE THE SAME.			REV 0			
		2/15/43 CG:68G774			CG:K-5805499HT			

Class 30—Transformers and Reactors

3.30-55

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CLV 301047	GENERAL USE	RE 8973A LINE TRANSFORMER: 17120(INT) 3KVA, SINGLE PHASE, 60 CY. PRIMARY: TWO PRIMARY WINDINGS FOR OPERATION ON 225 OR 450 V. SECONDARY: 117 V. ELECTROSTATIC SHIELD GROUNDED TO CASE. DRY TYPE, ROUND WOUND, WEIGHT 105 POUNDS. FIRST PURCHASE: NXSS-25232 4/1/43 TYPE PD CLV:R-519019 SEPT 43 3KVA CHANGE 0	CAY 301052	TAB-6 TRANSFORMER: INPUT: 440/220 VOLTS, 50 TO 60 CY. OUT- PUT: 2140 V WITH TAPS, RATED 2.34KVA. TURNS RATIO IS 392 TO 960 TURNS.		CG-301059	SM RE 13A 553 TRANSFORMER, FILAMENT: RATED 0.0346 KVA, PRIMARY RATED 115 V 60 CY. SEC #1/SEC#2/SEC#3/SEC#4/SEC#5: 6.5/6.3/6.3/6.3/6.3 VOLTS 0.6/0.6/1.5/ 0.6/0.6 AMPS, 2000/0/0/0/0 V DC OFF GROUNDED.	
CLV 301048	GENERAL USE	RE 8973A LINE TRANSFORMER: 17120(INT) 5KVA, SINGLE PHASE, 60 CY. PRIMARY: TWO PRIMARY WINDINGS FOR OPERATION ON 225 OR 450 V. SECONDARY: 117 V. ELECTROSTATIC SHIELD GROUNDED TO CASE. DRY TYPE, ROUND WOUND, WEIGHT 144 POUNDS. FIRST PURCHASE: NXSS-25232 4/9/43 TYPE PD 5KVA CLV:R-519020 SEPT 43 SPEC 559814 CHG 0.	CAY 301053	TAB-6 TRANSFORMER: INPUT: 220/440 VOLTS, 50 TO 60 CY. CUT- PUT: 340/1410 V AC. RATED 0.625KVA. TURNS RATIO IS 440 TO 340/1410 TURNS.		CG-301060	SQ RE 13A 553 REACTOR, FILTER: 15 HENRIES MIN; AT 10 V, 60 CY WITH .025 AMP DC. WINDING OPERATES 1250 V DC OFF GROUND, HERMETICALLY SEALED.	
CRM 301049	ACCESSORY FOR RAZ-1	OUTPUT TRANSFORMER: IMPEDANCE RATIO 110,000/600 OHMS, WEIGHT 3 LBS., DESIGNED FOR USE WITH RAZ-1 TO PERMIT THE USE OF TWO 500 OHM HEADPHONE SETS. PROVIDED WITH 24 INCH CABLE TERMI- NATING IN YAXLEY #75 PLUS FOR CONNECTIO TO EQUIPMENT. PRI: 6000T #40E-2300 OHMS 4/9/43 CRM:RM-19 CRM:KS-202 AUG 43 SUB. 0.	CTH 301054	MARK 12 TRANSFORMER-FILAMENT: PRIMARY: TERMS 1-2, 115 V, 50 TO 60 CY., 0.42 AMPS, 85 WATTS, 657 TURNS, 8.7 OHMS DC. SECONDARY #1/SECONDARY #2: TERMS 3-4/5-6, 5.1/5.1 V, 5.0/5.0 AMPS, 38/38 TURNS, 0.21/0.21 OHMS DC. PROVIDED WITH ELECTROSTATIC SHIELD. 5/1/43 CW:KS-9005 CW:ESA-649251 SEPT 43 ISSUE 1		CG-301051	SQ RE 13A 553 TRANSFORMER, POWER: RATED 0.223 KVA, PRIMARY RATED 90 TO 130 V, 60 CY TAPPED EVERY 5 VOLTS FROM 90 TO 130. SECONDARIES RATED SEC #1, AT 890 V CT AT 0.10 AMP DC, ALSO TAPPED AT 590 V CT AT 0.23 AMP DC, SEC #2: 5 V AT 6 AMPS, SEC #3: 5 V AT 3 AMPS. 5/10/43 CG:K47J16 CG:K47J16 REV 0 SEPT 43	
		CRM 301049 DC RES. SEC: 445T #33E-25 OHMS DC RES.	CTH 301055	MARK 12 TRANSFORMER-FILAMENT: PRIMARY: TERMS 1-2, 115 VOLTS, 50 TO 60 CY, 0.55 AMPS, 48 WATTS, 657 TURNS, 14.0 OHMS DC. SECONDARY: TERMS 3-4, 5.1 V, 5.0 AMPS, 38 TURNS, 0.21 OHMS DC. PRO- VIDED WITH ELECTROSTATIC SHIELD. 5/1/43 CW:KS-9007 CW:ESA-649252 SEPT 43 ISSUE 1		CG-301062	SQ RE 13A 553 REACTOR, FILTER: 4 HENRIES MIN AT 10 V, 60 CY; WITH 0.25 AMP DC. WINDING OPERATES 500 V DC OFF- GROUND. DC RESISTANCE: 36 OHMS ±8%	
CJE 301050	*SEE BELOW	TRANSFORMER PLATE, PRIMARY RATED 120 V SINGLE PHASE, 60 CY 6.5 AMP; 147 TURNS #11 SCE WIRE, 2.3 OHMS ±5% DC RESISTANCE, SECONDARY RATED 20,000 V AT 45HA, CAPACITY 750 VA; TWO COILS OF 12000 TURNS EACH, #32 EC WIRE. *HYD MI REGUN 313-43 4/19/43 CJE:465-001-119 CJE:465-001-119 SEPT 43 ISSUE 9	H 301056	MARK 12 TRANSFORMER-FILAMENT: PRIMARY: TERMS 1-2, 115 VOLTS, 50 TO 60 CY, 1.25 AMPS, 135 WATTS, 333 TURNS 55 OHMS DC. SECONDARY #1/ SECONDARY #2: TERMS 3-4/5-6, 18.5/7.0 V, 3.5/7.0 Amps, 57/22 TURNS, 0.155/0.033 OHMS DC. PROVIDED WITH ELECTROSTATIC SHIELD. 1/43 CW:KS-9008 CW:ESO-649253 PT 43 ISSUE 1		CG-301063	SQ RE 13A 553 TRANSFORMER, FILAMENT: RATED 0.146 KVA, PRIMARY RATED 115 V, 60 CY. SEC #1/ 7.2 V, 1.0 AMPS TAPPED AT 6.4 VOLTS 16.7 AMPS, SEC #2/SEC#3/SEC#4: 6.4/2.5/2.5 V AT 0.9/3.0/3.0 AMPS 2000/2000/5000 V DC OFF GROUND.	
		CJE 301050 4150 OHMS ±5% DC RESISTANCE. HAS PRO- JECTOR GAPS AND IS SLIGHTLY LARGER THAN -30702 AND -30978 BUT IS USED AS A REPLACEMENT.	CW-301057	MK3 MK4 FILAMENT TRANSFORMER: PRIMARY: RATED 115/1/60, 0.17 AMP; 16 WATTS; 860 TURNS #25E WIRE, 11.5 OHMS DC RESISTANCE; TERMINALS 1 AND 3. SEC #1: 1.2 VOLTS CT AT 4.2 AMP; 10 TURNS #15E WIRE CT, 0.02 OHMS DC RESISTANCE; TERM- INALS 7,8,9. SEC #2: 2.1 VOLTS CT AT 5/5/43 CW:KS-9028 CW:ESA-649221 SEPT 43 LIST 02 ISSUE 2		CG-301064	SQ RE 13A 553 TRANSFORMER, PLATE: RATED 0.048 KVA, PRIMARY: 115 V, 60 CY. SECONDARY 3950/1250 V. .0040/0.001 AMF DC HERMETICALLY SEALED TYPE.	
CTH 301051	MARK 12	AUDIO CHOKER: RATED 27.5 HENRIES AT 400 V, 60 CY AND 0.06 AMPS DC, 900 OHMS DC RESISTANCE, 38 TURNS OF #27 TINNED, DOUBLE NYLON COTTON BRAID +6930 TURNS OF #31 ENAMEL COTTON +34 TURNS #27 TINNED DOUBLE NYLON COTTON BRAID, UNPOTTED CORE TYPE COIL 4/27/43 CW:KS-9006 CW:ESA-649254 SEPT 43 ISSUE 1	CW-301057	3.7 AMPS; 17 TURNS #15E WIRE CT, 0.03 OHMS DC RESISTANCE, TERMINALS 10, 11, 12 ELECTROSTATIC SHIELD FOR PRIMARY.		CG-301065	SQ RE 13A 553 TRANSFORMER, AUDIO: RATING: 1000 CY; PRIMARY CURRENT: .002 AMP DC. TURNS RATIO: PRI/SEC: 2/1. PRIMARY INDUCTANCE: 40MH.	
		CTH 301051 WITH RING TYPE WINDING.	CG-301058	*SEE BELOW POWER TRANSFORMER: INPUT: 230/1/50 OR 60. OUTPUT 115 VOLTS, 200 V.A. PRIMARY / SEC, 463/240 TURNS OF 0.0305HF/0.0405HF WIRE, 4.83/1.08 OHMS DC RESISTANCE, 1.0/1.74 AMPS, 5000/3500 V AT 60 CYCLES TO GROUND. *FOR USE WITH TBS-4 5/10/43 CG:Y-710 CG:K-4147308 SEPT 43 REV 2		CG-301066	SM RE 13A 553 TRANSFORMER: THREE WINDINGS, ALL IDENTICAL; INDUCT- TANCE: 350-450 MICROHENRIES, DC RESIS- TANCE: 0.58 OHMS, ±10%. EACH WINDING 32 TURNS OF #30 D.E. WIRE.	

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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RESTRICTED

NAVSHIPS 900,109

3.30-56

Class 30—Transformers and Reactors

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CTG 301067 DAS	RE 13A 553		CG-301075 SM	RE 13A 553		CAY 301081		
TRANSFORMER, FILAMENT: RATED 0.0076 KVA. PRIMARY: 6.3 VOLTS, 50/60 CY. SECONDARY: 6.3 V (C.T.) 1.2 AMPS.			TRANSFORMER, FILAMENT: RATING 0.123 KVA. PRI: 115 V, 60 CY. SEC #1: 6.3 V. ± 3%, 7.5 AMPS R.H.S. SEC #2: 2.5V. ± 3%, CT, 10.0 AMP, R.H.S. SEC #3: 6.3 V. ± 3%, 1.0 AMP R.H.S. SEC #4: 6.3 V. ± 3%, 1.0 AMP, R.H.S. SEC #5: 6.3 V ± 3%, 5.0 AMP, R.H.S. SEC #6; 5/11/43 CG: CG:K44J610 SEPT 43 CAT#K44J610 REV 0			EACH SECONDARY RATED 1.136 AMP; 121 TURNS 0.0254 ROUND WIRE, 2.16 OHMS DC RESISTANCE.		
5/11/43 CG: CG:K44J609 AUG. 44 CAT#K44J609	CG:K44J608 REV 1		CG-301076 SM	RE 13A 553		CAY 301082 TBL-10		
CG-301068 DAS	RE 13A 553		TRANSFORMER, FILAMENT: RATED 0.0442 KVA. PRI 115 V, 60 CY. SEC. 6.3 V ± 3% 7.0 AMP R.H.S. SEC WIND- ING OPERATES 0 VOLTS OFF GROUND. AMBIENT TEMP RANGE 0°C TO + 65°C.			REACTOR: RATED 0.7 AMP DC AND 0.0758 AMP AC, 0.7 HENRY. FREQ LIMIT: 300 CY. WOUND WITH #22 WIRE, 14.6 OHMS DC RESISTANCE, 1.030 TURNS.		
5/11/43 CG: CG:K44J609 AUG. 44 CAT#K44J609	CG:K44J608 REV 1		CG-301077 SM	RE 13A 553		5/18/43 S#1304061 CAY:8-D-7100 SEPT 43 SUB 2		
CG-301069 DAS	RE 13A 553		TRANSFORMER, PLATE: RATED 0.545 KVA. PRI 115 V, 60 CY. SEC 1100/700/0 V, 0.800 AMP DC AND 0.150 AMP DC (ONE HALF 700 V WINDING) AMBIENT TEMP RANGE: 0°C TO + 65°C.			CAY 301083 TBL-10		
5/11/43 CG: CG:K44J608 SEPT 43 CAT#K44J608	CG:K44J607 REV 1		CG-301078 SM	RE 13A 553		REACTOR: RATED 0.20 AMP DC AND 0.0796 AMP AC, 10 HENRIES TAPPED AT 6.8 HENRIES. FREQ LIMIT: 100 CY. WOUND WITH #22 WIRE, 31.0 OHMS DC RESISTANCE TAPPED AT 25.6 OHMS, 2070 TURNS TAPPED AT 1710. #SUB 1 5/18/43 CAY:S#1304060 CAY:7-D-5627 # SEPT 43 CAY 8-D-7150 #		
CG-301070 DAS	RE 13A 553		TRANSFORMER, FILAMENT: RATED 0.108 KVA. PRI 115 V, 60 CY. SEC #1: 5 V, 12 AMP, R.H.S. SEC #2: 5V., 6 AMP, R.H.S. SEC #3: 5V, 3 AMP, R.H.S. SEC #4: 6.3 V, 0.5 AMP R.H.S. AMBIENT TEMP RANGE 0°C TO 60°C.			CAY 301084 TBL-10		
5/11/43 CG: CG:K44J607 SEPT 43 CAT#K44J607	CG:K44J607 REV 1		CG-301079 SM	17T20(INT)		TRANSFORMER LINE: FOR OPERATION BETWEEN 220/440 V SINGLE PHASE, 50/60 CY AND 110/220 V BY PUTTING THE TWO PRIMARIES AND SECONDARIES IN SERIES OR PARALLEL. EACH PRIMARY RATED 0.967 AMP, 0.213KVA, 138 TURNS 0.045 # SUB 1 5/18/43 CAY:S#1304063 CAY:8-D-7142 # SEPT 43 CAY:7-D-5623 #		
CG-301071 *GEN USE	RE 13A 553		LINE TRANSFORMER: RATED 1.0 KVA. PRIMARY: 450 V, SINGLE PHASE, 60 CYCLES, 2.22 AMPS. SECONDARY: 117 V, 8.55 AMPS. TEMPERATURE RISE 0-55°C. AMBIENT TEMPERATURE 0°-40°C.			CAY 301085 TBL-10		
5/11/43 CG: CG:K47J51 SEPT 43 CAT#K47J51	CG:K47J51 REV 0		CAY 301086 TBL-10			REACTOR: RATED 0.5 AMP DC AND 0.125 AMP AC, 1.5 HENRY. FREQ LIMIT: 100 CY. WOUND WITH #18 WIRE, 5.31 OHMS DC RESISTANCE, 900 TURNS.		
CG-301072 *GEN USE	RE 13A 553		CUT 301080 JH-1 JH-3			5/18/43 CAY:S#1304059 CAY:7-D-5344 SEPT 43 SUB 2		
5/11/43 CG: CG:K47J47 SEPT 43 CAT#K47J47	CG:K47J47 REV 0		AUDIO TRANSFORMER: INPUT IMPEDANCE 50 OHMS. OUTPUT TO SINGLE GRID.			CAY 301086 TBL-10		
CG-301073 *GEN USE	RE 13A 553		CAY 301081 TBL-10			TRANSFORMER, PLATE: PRIMARY RATED 220/440 V SINGLE PHASE 50/60 CY. WITH 220 V PRIMARY IN USE SECONDARY VOLTAGES OF 2057/1870/1683/ 1495/1310/1122/935 TAPPED AT 1870/1700/ 1530/1350/1190/1020/850 ARE OBTAINED. #SUB 1 5/18/43 CAY:S#1304058 CAY:2-C-1810 # SEPT 43 CAY:7-D-5040 #		
5/11/43 CG: CG:K47J62 SEPT 43 CAT#K47J62	CG:K47J62 REV 1		TRANSFORMER LINE: FOR OPERATION BETWEEN 220/440 V SINGLE PHASE 50/60 CY AND 110/220 V BY PUTTING THE TWO PRIMARIES AND SECONDARIES IN SERIES OR PARALLEL. EACH PRIMARY RATED 0.598 AMP, 0.125 KVA; 230 TURNS 0.032 ROUND WIRE, 9.35 OHMS DC RESISTANCE. 5/18/43 CAY:S#1304062 CAY:8-D-7133SUB SEPT 43 7-D-5623 SUB			CAY 301086 TBL-10		
CG-301074 *GEN USE	RE 13A 553		TRANSFORMER: RATED 0.0028 KVA. PRIMARY: 24 VOLTS, 60 CY. SECONDARIES 220/220 VOLTS, .003/.003 AMPS DC. HERMETICALLY SEALED.			WITH 440 V PRIMARY IN USE SAME VOLTAGES ARE OBTAINED. MAX 220/440 V CURRENT IS 3.182/1.591 AMP; MAX FULL SECONDARY/TAP- PED SECONDARY CURRENT IS 0.8235/0.6418 AMP. PRIMARY/SECONDARY TOTAL RESISTANCE 0.736/5.85 OHMS DC. RATED 700 VA.		
5/11/43 CG: CG:K47J61 SEPT 43 CAT#K47J61	CG:K47J61 REV 0		*FIRST PURCHASE: NX90-20583 5/11/43 CG: CG:K47J51 SEPT 43 CAT#K47J51					
5/11/43 CG: CG:K47J62 SEPT 43 CAT#K47J62	CG:K47J62 REV 1		*FIRST PURCHASE: NX90-20583 5/11/43 CG: CG:K47J51 SEPT 43 CAT#K47J51					
5/11/43 CG: CG:K47J61 SEPT 43 CAT#K47J61	CG:K47J61 REV 0		*FIRST PURCHASE: NX90-20583 5/11/43 CG: CG:K47J51 SEPT 43 CAT#K47J51					

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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Class 30—Transformers and Reactors

3.30-57

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CTH 301087 TCS-6
 TRANSFORMER:
 MICROPHONE TYPE. PRIMARY/SECONDARY: 1/41
 TURNS: 75/125,000 CT OHMS IMPEDANCE:
 0.7/1200 MH LEAKAGE INDUCTANCE; 6.5/4840
 OHMS DC. FREQ RESPONSE AT 0.02 WATTS:
 150 CY IS LESS THAN -1.0DB; 1000 CY IS
 ODB:5000CY IS LESS THAN ± 1.0DB.
 5/19/43 CTH:T-45654 CHZ:TR-1020
 SEPT 43 REV B

301088 TCS-6
 AUDIO TRANSFORMER:
 PRIMARY/SECONDARY: 3.87/1 TURNS; 7500/
 500 CT OHMS IMPEDANCE; 10.5 TO 13.0/96
 TO 1.45 HENRIES INDUCTANCE; 65 TO 56/4
 TO 5 MH LEAKAGE INDUCTANCE; 418 TO
 616/59.5 TO 74.2 OHMS DC RESISTANCE.
 FREQ RESPONSE AT 0.5 WATTS: 200 CY IS
 5/19/43 CTR:7533A CHZ:TR-1021
 NOV. 43 CSN:95A9 REV B

301088
 LESS THAN -1.0DB; 1000 CY IS ODB; 5000
 CY IS LESS THAN ±1.0DB.

CAY 301089 TCS-6
 AUDIO TRANSFORMER:
 PRIMARY/SECONDARY: 1.0CT/1.0 TURNS;
 3000/6000 OHMS IMPEDANCE. FREQ RESPONSE:
 200 CY IS 1.0DB; 1000 CY IS ODB; 5000
 CY IS 1.0DB.
 5/19/43 CTR:9537-B CHZ:TR-1022
 NOV. 43 CSN:95A10 REV A

301090 TCS-6
 FILTER REACTOR:
 RATED 8.0 HENRIES AT 0.1 AMPS. 160 OHMS.
 120 CY WITH A TEST VOLTAGE OF 2500 V.
 USED IN FILTER OF RECTIFIER DELIVERING
 ABOUT 500 V DC.
 5/19/43 CTR:5508C CHZ:TR-1024
 NOV. 43 CSN:95C11 REV B

CAY 301091 *SEE BELOW
 REACTOR:
 RATED 1.5 HENRIES AT 0.844 AMP RMS TOTAL
 CURRENT. 1120 TURNS 0.036 ROUND WIRE,
 8.13 OHMS DC RESISTANCE. FREQ LIMIT:
 100 CY.
 *TBM-10/TBK-16
 5/19/43 CAY:S#1304978 CAY:7-D-5344
 SEPT 43 SUB 2

CAY 301092 TBM-10/TBK-16
 TRANSFORMER-PLATE:
 PRIMARY RATED 220/440 V. SINGLE PHASE,
 50/60 CY; HAS 13 TAPS; RATED 1.35 KVA;
 336 TOTAL TURNS. 3.12 OHMS DC APPROXI-
 MATELY. HAS THREE SECONDARIES WHICH PRO-
 VIDES 1026/965/923/913/875/830/825/785/
 747/723/692/664/625/602/581/530/513/498/
 5/19/43 CAY:S#1304878 2-C-3651 SUB 3
 SEPT 43 7-D-3183 SUB 1

CAY 301092
 437/426/415 V. TWO SECONDARIES RATED AT
 6.87 AMP. OTHER IS RATED 0.229 AMP;
 HAVE DC RESISTANCES OF 19.35 OHMS AND
 29.5 OHMS RESPECTIVELY.

CAY 301093 TBM-10/TBK-16
 TRANSFORMER-PLATE:
 HAS TWO PRIMARIES EACH RATED 220/1/50 TO
 60. 288VA. 1.54 AMP; 208 TURNS WIRE,
 1.59 OHMS DC RESISTANCE. SECONDARY #1
 RATED 1900/1810/1480/1220/750 V AT 0.3
 AMP MAX; 87 OHMS DC RESISTANCE. SECON-
 DARY #2 RATED 380/365/325/170 V AT 1.177
 5/19/43 CAY:S#1304860 2-C-3652 SUB 2
 SEPT 43 7-D-3184 SUB 1

CAY 301093
 AMP MAX; 2.94 OHMS DC RESISTANCE. WIRE
 IS 0.040/0.045/0.0201 ROUND FOR PRIMARY/
 SEC #1/ SEC #2.

CAY 301094 TBM-10/TBK-16
 REACTOR:
 RATED 12.6 HENRIES AT 0.176 AMP RMS
 TOTAL CURRENT. 3160 TURNS 0.0201 ROUND
 WIRE; 75.3 OHMS DC RESISTANCE. HAS TAP
 AT 63 OHMS DC RESISTANCE. FOR 8.9
 HENRIES. FREQ LIMIT: 100 CY.
 5/19/43 CAY:S#1304979 7-D-5627 SUB 1
 SEPT 43 8-D-7051 SUB 2

CAY 301095 TBM-10/TBK-16
 REACTOR:
 CONSISTS OF TWO WINDINGS. ONE OF WHICH
 HAS TWO TAPS. RATED 1.25 HENRIES AT
 0.318 AMP RMS TOTAL CURRENT FOR FULL
 WINDINGS IN SERIES. CAN BE RECONNECTED
 FOR 4.55 OR 3.15 HENRIES AT 265 V 150 CY
 AND 0.24 AMP DC; OR FOR 1.25 HENRIES AT
 5/19/43 CAY:S#1304098 8-D-7078 SUB 1
 SEPT 43 8-D-7077 SUB 1

CAY 301095
 80 V 300 CY AND 0.635 AMP DC BY PUTTING
 WINDINGS IN MULTIPLE. WIRE IS 0.0201
 ROUND; ONE WINDING IS 24.2 OHMS DC,
 OTHER IS 31 OHMS DC TAPPED AT 5.12 AND
 14.82 OHMS DC; 1150 TOTAL TURNS.

CAY 301096 *SEE BELOW
 REACTOR:
 RATED 1.5 HENRY AT 0.388 AMP RMS TOTAL
 CURRENT. 1992 TURNS 0.0197 ROUND WIRE,
 47.3 OHMS DC RESISTANCE. FREQ LIMIT: 300
 CYCLES.
 *TBM-10/TBK-16
 5/19/43 CAY:S#1309106 CAY:8-D-7100
 SEPT 43 SUB 2

CRV 301097 *GEN USE
 REACTOR:
 RATED 2 HENRY MINIMUM AT 3 V 60 CY AND
 0.50 AMP DC. CONSISTS OF 1040 TURNS OF
 0.021 E WIRE, 22 ± 7-1/24 OHMS DC RESIS-
 TANCE.
 *FIRST PURCHASE: NX39-21690
 5/21/43 CRV:K-890250 CRV:K-890250-1
 SEPT 43 SUB 0

CRV 301098 *GEN USE
 TRANSFORMER POWER:
 PRIMARY RATED 115/1/60. 0.114 AMP; CON-
 SISTS OF 860 TURNS 0.0142 E WIRE. 17
 OHMS DC RESISTANCE. TERMINALS 1 AND 2.
 SEC #1 RATED 400 V DC AT 0.001 AMP;
 31400 TURNS 0.0028E WIRE. 23100 OHMS DC
 *FIRST PURCHASE: NX39-21690
 5/21/43 CRV:K-901596 CRV:K-901596-1
 SEPT 43 SUB 0

CRV 301098
 RESISTANCE. TERMINALS 3 AND CASE. SEC
 #2 RATED 2.5 V AT 1.75 AMP; 20 TURNS
 0.0453E WIRE. 0.08 OHMS DC RESISTANCE.
 TERMINALS 4 AND 5.

CRV 301099 *GEN USE
 TRANSFORMER-POWER:
 PRIMARY RATED 110/120 V SINGLE PHASE 60
 CY. 3.37 AMPS; 250 TURNS 0.0641E WIRE.
 0.561 OHMS DC RESISTANCE. SEC#1/SEC#2/
 SEC #3/SEC #4 RATED 580 CT/6.33/5.0/5.0
 V AT 0.50 DC/12/6/3 AMP; 1260CT/14/11/11
 *FIRST PURCHASE: NX39-21690
 5/21/43 CRV:K-901620 CRV:K-901620-
 SEPT 43 501 SUB 0

CRV 301099
 TURNS 0.0226E/0.095 X 0.095/0.0808E/
 0.0571E WIRE. 31.070/0.023/0.032/0.070
 OHMS DC RESISTANCE.

CRV-301099-A
 TRANSFORMER-POWER
 PRIMARY RATED 110/120 VOLTS. SINGLE
 PHASE. 60~. 3.37 AMPS. SECONDARY RATED
 580CT/6.5/5.0/5.0 VOLTS. SAME AS BASIC
 NUMBER EXCEPT SEC #2 OF SECONDARY HAS
 BEEN CHANGED TO 6.5 VOLTS.
 1/20/45 K-901620-502
 MAR. 45

CH-301100 MK12
 REACTOR:
 RATED 2.0 HENRIES MINIMUM AT 0.075 AMP
 DC AND 25 V 60 CY. INSULATED FOR 210 V
 DC TO GROUND. CONSISTS OF 1650 TURNS
 #30E WIRE. 59 OHMS DC RESISTANCE.

5/27/43 CH:KS-9183 CH:ESA-651639
 SEPT 43 ISSUE 1

CLV 301101 *GEN USE RE 8973A
 TRANSFORMER-LINE: 17 T 20 (INT)
 RATED 225/450/1/60 INPUT. OUTPUT: 117 V
 AT 1 KVA. WEIGHT 45 POUNDS.

*FIRST PURCHASE: NX30-27392
 5/21/43 LA DRY TYPE CLV:3-519023
 SEPT 43 REVISION 0

CH-301102 QJA
 TRANSFORMER-ASSEMBLY:
 INPUT: 440/220/ OR 115/1/60 1.2 KVA.
 OUTPUT: 115 V. 1.1 KVA. SIMILAR TO TYPE
 -30983 EXCEPT HAS SLIGHTLY HIGHER
 CAPACITY RATING.

6/16/43 CH:D-166470 CH:ESX-652679
 AUG. 44 ISSUE 3

CAY 301103 TBL-10
 TRANSFORMER-FILAMENT:
 RATED .034 KVA. PRIMARY: 220/1/50 TO 60,
 1390 TURNS #29 ENAMEL WIRE DC RES. IS
 51.5Ω. SEC: 10.5 V. 3.2 AMPS, 72 TURNS
 #16 SCCE WIRE. DC RES. 0.157 Ω.
 TAPPED AT 6.2/6.7/7.3/8/9.6 VOLTS.
 TEMP RISE 40°C. PEAK VOLTAGE 2500.
 6/19/43 CAY:S#1304054 CAY:T-7610304-1
 SEPT 43 REV 0

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
BREAKDOWN VOLTAGE 10,000.		CAY301103	CG-301110		DC RESISTANCE, 2500 VOLTS TEST.	CRP 301115	SO-2	LINE TRANSFORMER: INPUT: 230/1/60. OUTPUT: 115/1/60. RATED 3 KV.
CG-301104	TCK-4	REACTOR: RATED 15 HENRIES AT 0.42 AMPS, 920 V. 120 ~. 49.7 OHMS ±6% DC RESISTANCE. TEST VOLTAGE TO GROUND, 4500 VOLTS RMS. COIL CONSISTS OF 2470 TURNS OF .0253" ENAMEL WIRE, WOUND IN 24 LAYERS.	CG-301111	TCK-4	FILAMENT TRANSFORMER: PRIMARY RATED 110 OR 220 V RMS, 50 OR 60 ~. 0.33 AMPS, 10.94 OHMS ±6% DC RESISTANCE 5000 VOLTS TEST. SEC #1 RATED 2.5 VOLTS CT, 5 AMPS, 0.01716 OHMS DC RESISTANCE. SEC #2 RATED 2.5 VOLTS CT, 5 AMPS, 0.01816 DC RESISTANCE. SEC #3	7/2/43	CRP:UX-7880	CRP:DW74-944
6/30/43	7469131P1	CG:M-7469131-1	6/30/43	7469127P1	CG:M-7469127-1	AUG. 44	WX-5233	SUB 2
SEPT 43		REV 2	SEPT 43		REV 4			
CG-301105	TCK-4	REACTOR: RATED 5 HENRIES AT 0.42 AMPS, 350 V. 120 ~. 22.4 OHMS ±6% DC RESISTANCE. TEST VOLTAGE TO GROUND, 2000 VOLTS RMS. COIL CONSISTS OF 1490 TURNS OF .0253" ENAMEL WIRE, WOUND IN 21 LAYERS.	CG-301111		RATED 2.5 VOLTS CT, 10 AMPS, 0.00765 OHMS DC RESISTANCE, 5000 VOLTS TEST. 0.05KVA.	7/2/43	CRV:MI-7251-A3	
6/30/43	7469132P1	CG:M-7469132-1	6/30/43	7469128P1	CG:M-7469128-1	SEPT 43		
SEPT 43		REV 2	SEPT 43		REV 2			
CG-301106	TCK-4	REACTOR: RATED 10 HENRIES AT 0.3 AMPS, 284 V. 120 ~. 52.9 OHMS ±6% DC RESISTANCE. TEST VOLTAGE TO GROUND, 2000 VOLTS RMS. COIL CONSISTS OF 2376 TURNS OF .0201" ENAMEL WIRE, WOUND IN 26 LAYERS.	CG-301112	TCK-4	FILAMENT TRANSFORMER: PRIMARY RATED 110 OR 220 VOLTS, 50 TO 60 ~. 0.153 AMPS, 46.2 OHMS ±8% OHMS DC RESISTANCE, 2500 VOLTS TEST. SECONDARY RATED 2.5 VOLTS CT, 10 AMPS 0.0132 ±6% OHMS DC RESISTANCE, 5000 VOLTS TEST. 0.025 KVA.	7/2/43	CRV:MI-194270	CRV:K-901090-501
6/30/43	7469133P1	CG:M-7469133-1	6/30/43	7469129P1	CG:M-7469129-1	SEPT 43		
NOV. 43		REV 2	SEPT 43		REV 2			
CG-301107	TCK-4	REACTOR: RATED 3 HENRIES AT 0.5 AMPS, 106 V. 120 ~. 10.2 OHMS ±6% DC RESISTANCE. TEST VOLTAGE TO GROUND, 1500 VOLTS RMS. COIL CONSISTS OF 969 TURNS OF .032" ENAMEL WIRE, WOUND IN 17 LAYERS.	CG-301113	TCK-4	RECTIFIER TRANSFORMER: PRIMARY RATED 110 OR 220 VOLTS, 50 TO 60 ~. 0.398 AMPS, 0.075 KVA, 12.40 OHMS ±6% DC RESISTANCE, 1500 VOLTS TEST. SEC #1 RATED 160 VOLTS, 0.469 AMPS. SEC #2 RATED 170 VOLTS, 0.441 AMPS, SEC #3 RATED 180 VOLTS, 0.416 AMPS, 0.075 KVA.	7/3/43	CG:M-6640143	CG:H-8640143
6/30/43	7469134P1	CG:M-7469134-1	6/30/43	7469129P1	CG:M-7469129-1	SEPT 43		REV 1
SEPT 43		REV 2	SEPT 43		REV 2			
CG-301108	TCK-4	REACTOR: RATED 0.1 HENRY AT 1.5 AMPS, 55 V. 120 ~. 0.871 OHMS ±6% DC RESISTANCE. TEST VOLTAGE TO GROUND, 2000 VOLTS RMS. COIL CONSISTS OF 279 TURNS OF .0453" ENAMEL WIRE, WOUND IN 9 LAYERS.	CG-301114	TCK-4	RECTIFIER TRANSFORMER: PRIMARY RATED 110 OR 220 VOLTS RMS, 50 OR 60 ~. 0.181 AMPS, 0.031 KVA, 23.9 OHMS ±7% DC RESISTANCE, 1500 VOLTS TEST. SEC #1 RATED 18.5 VOLTS RMS, 1.68 AMPS. SEC #2 RATED 19.5 VOLTS RMS, 1.59 AMPS. SEC #3 RATED 20.5 VOLTS RMS, 1.52 AMPS.	7/6/43	CFX:11243	CFX:11243
6/30/43	7469135P1	CG:M-7469135-1	6/30/43	7469130P1	CG:M-7469130-1	SEPT 43		
SEPT 43		REV 2	NOV. 43		REV 3			
CG-301109	TCK-4	PLATE TRANSFORMER: PRIMARY RATED 110 OR 120 V, RMS, 50 TO 60 ~. 4.86 AMPS, 1 KVA, 1.088 OHMS ±6% DC RESISTANCE, 2500 VOLTS TEST. SECONDARY RATED 2050 OR 2120 VOLTS RMS, 1 KVA, 56.4 OHMS ±6% DC RESISTANCE, 5000 VOLTS TEST.	CG-301114		10.72 OHMS ±6% DC RESISTANCE 1500 VOLTS TEST.	CFX 301119	SH	INPUT TRANSFORMER: PRIMARY: 200/50 OHMS. SECONDARY 100,000 OHMS CT. FULL SEC/50 OHMS: 48,75/1. FULL SEC/200 OHMS=24,375/1. PRIMARY: 200 OHMS 480 TURNS #30 ENAMELED WIRE, 18 OHMS ±10% DC RES. TAPPED AT 50 OHMS, 240 TURNS #30 ENAMELED WIRE, 9 OHMS ±10% DC
6/30/43	7469125P1	CG:M-7469125-1	6/30/43	7469130P1	CG:M-7469130-1	7/6/43		CFX:11243
SEPT 43		REV 3	NOV. 43		REV 3	SEPT 43		
CG-301110	TCK-4	PLATE TRANSFORMER: PRIMARY RATED 110 OR 220 V RMS, 50 TO 60 CYCLES, 0.18 KVA, 3.08 OHMS ±6% DC RESISTANCE, 2500 VOLTS TEST. SEC #1 RATED 1186 VOLTS CT, 0.213 AMPS. SEC #2 RATED 1224 VOLTS CT, 0.204 AMPS. COMPLETE: SECONDARY RATED 0.25 KVA, 129 OHMS ±7%	CG-301114		0.031 KVA, 0.377 OHMS ±6% DC RESISTANCE, 1500 VOLTS TEST.	CFX 301119	SH	RES. SECONDARY: 100,000 OHMS CT, 11,700 TURNS #41 ENAMELED WIRE, 5100 OHMS ±10% DC RES.
6/30/43	7469126P1	CG:M-7469126-1	6/30/43	7469130P1	CG:M-7469130-1	7/6/43	CFX:11242	CFX:11242
SEPT 43		REV 3	NOV. 43		REV 3	SEPT 43		
CG-301110	TCK-4	PLATE TRANSFORMER: PRIMARY RATED 110 OR 220 V RMS, 50 TO 60 CYCLES, 0.18 KVA, 3.08 OHMS ±6% DC RESISTANCE, 2500 VOLTS TEST. SEC #1 RATED 1186 VOLTS CT, 0.213 AMPS. SEC #2 RATED 1224 VOLTS CT, 0.204 AMPS. COMPLETE: SECONDARY RATED 0.25 KVA, 129 OHMS ±7%	CG-301114		0.031 KVA, 0.377 OHMS ±6% DC RESISTANCE, 1500 VOLTS TEST.	CFX 301120	SH	OUTPUT TRANSFORMER: PRIMARY: 20,000 OHMS CT. SECONDARY: 20,000 OHMS CT. PRIMARY: 7000 TURNS CT #41 ENAMELED WIRE, 2820 OHMS ±10% DC RESISTANCE. SECONDARY: 7000 TURNS CT #41 ENAMELED WIRE, 3480 OHMS ±10% DC RESISTANCE. INDUCTANCE 45 HENRIES WITH 1 VOLT
6/30/43	7469126P1	CG:M-7469126-1	6/30/43	7469130P1	CG:M-7469130-1	7/6/43	CFX:11242	CFX:11242
SEPT 43		REV 3	NOV. 43		REV 3	SEPT 43		

3.30-60

Class 30—Transformers and Reactors

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG-301136 *		FILTER REACTOR: RATED 25 HENRIES MINIMUM AT 10 VOLTS, 60 CY, 70 MA DC. OPERATES 500 V DC OFF GROUND. DC RESISTANCE IS 232 OHMS AT 25°C.	CAAC 301142 YL		REACTOR: 10 HENRIES WITH 20 V DC ACROSS WINDING, 225 MA AT 120 CPS. 2480 TURNS OF #37E WIRE WITH 90 OHMS DC RESISTANCE. 1900 VDC RMS TEST VOLTAGE TO GROUND.	CM-301148 MK-12		TRANSFORMER FREQ RANGE: 20 TO 5000 KC. WINDING 1-2/3-4: 80/400 OHMS IMPEDANCE. 21/47 TURNS OF #31 ENC/#31 ENC WIRE WITH 0.5/1.2 OHMS DC RESISTANCE. 350/6.5 MICROHENRIES.
*FIRST PURCHASE: NX90-20583			7/29/43 CAAC:5620		CAAC:T-0D-5620	8/16/43 D-163533		CM:ESA-654292
7/14/43 CG:K-44J935		CG:K-44J935	SEPT 43		REV 0	NOV. 43		ISSUE 1
CTG 301137 *		POWER TRANSFORMER: INPUT: 115/1/60. SEC #1/SEC #2: 400/6.3 VOLTS RMS, 0.07/6.0 AMPS. SECONDARIES OPERATE 0 VOLTS DC OFF GROUND.	CAAH 301143 QBF		POWER TRANSFORMER: WINDING 1-2/3-5 (CT4) /6-8(CT7)/9-10/ 11-13(CT12), RATED 115/1/60, 1.25A, 120V/608V, 0.17A/6.3V, 3.6A/5.1V, 3.0A/ 6.3V, 0.9A, DC RESISTANCE, 1.1/50.5/ 0.04/0.033/0.166 OHMS, 174/940/1078/10 TURNS OF #13F/#28L/#16L/#16E/#22E WIRE.	CUD 301149 SA,SA-1,SA-2		REACTOR RATED 675 OHMS MINIMUM IMPEDANCE AT 3 VOLTS. 60 CYCLES, 200 MA. CONSISTS OF 171U TURNS OF .0113" ENAMEL WIRE, 55.5 OHMS DC RES.
*FIRST PURCHASE: NX90-20583			7/31/43 CM:KS-8832		CM:ESL-643018	8/16/43 A-4132-B		CRY:K-901640-501
7/14/43 CG:K-44J937		CG:K-44J937	SEPT 43		ISSUE 1	NOV. 43		SUB 2
CG-301138 *		POWER TRANSFORMER: RATED 0.08 KVA. PRI: 115/1/60. SEC #1/ #2/#3/#4/#5: 580 CT/6.3CT/6.3CT/6.3CT/ 6.3CT VOLTS, 0.13/0.9/0.9/0.6/0.6 AMPS RMS.	CAAH 301143 QBF		WINDING 3-5, 875 VOLTS PEAK TO GROUND, WINDING 6-8 AT GROUND POTENTIAL, WIND- ING 9-10, 325 V DC TO GROUND AND WIND- ING 11-13 AT GROUND POTENTIAL. SHELL TYPE TRANSFORMER, 13 INSULATED TERMINALS WEIGHT 14 POUNDS.	CTH-301150 QBF		INPUT TRANSFORMER PRIMARY TERMS 1-2: 540 TURNS OF #32 E WIRE WITH 25 OHMS DC RESISTANCE. SECONDARY TERMS 3-4/5-6: 3200/3200 TURNS OF #40E/#40E WIRE WITH 1300/1450 OHMS DC RESISTANCE. FREQ. RANGE: 200 TO 3000 CPS. IMPEDANCE RATIO: 1-2/3-6 IS
*FIRST PURCHASE: NX90-20583			7/14/43 CG:K-44J953		CG:K-44J953	8/14/43 T-48038		CM:ESO-642998
7/14/43 CG:K-44J953		CG:K-44J953	SEPT 43		REV 1	NOV. 43		ISSUE 1
CG-301139 CXDT		AUTO TRANSFORMER: RATED 0.312 KVA, 60 CY. STEP UP FROM 115 V TO 160/170/180 V. TEST VOLTAGE 2500 VOLTS TO GROUND.	CLV-301144 MARK 4		PLATE TRANSFORMER PRIMARY RATED 620 WATTS 130/1/60 4.8 AMPS. CONSISTS OF 164 TURNS 0.05" X 0.095" RECTANGULAR DC WIRE DC RES IS 0.275 OHMS. PRIMARY INCLUDES KLIXON (2851-5 THERMO-SNAP SWITCH SECONDARY RATED 20,600 VOLTS CT, 0.042 AMP. EACH	CHT-301150		600/84,000 RATIO OF TRANSFORMATION WINDING: 1-2/3-4: 1/5.93NOM.; WINDING 1-2/5-6; 1/5.93 NOM.
7/29/43 CG:CAT 68G976		CG:K-5805499KY	SEPT 43		REV 0	8/6/43 CM:KS-8874		CM:ESA-654525
					NOV. 43	ISSUE 2		ISSUE 1
CAAC 301140 YL		OUTPUT TRANSFORMER: PRI: 60 VOLTS PEAK, 35 MADC, 52,000 OHMS IMPEDANCE, 2000 TURNS OF #38 WIRE WITH 350 OHMS DC RESISTANCE. SECONDARY: 23100 OHMS IMPEDANCE, 1334 TURNS CT OF #36 WIRE WITH 149 OHMS DC RESISTANCE. TURNS RATIO PRI/SEC IS 3/2. FREQ RESPONSE IS	CLV-301144 MARK 4		HALF OF SECONDARY WINDING CONSISTS OF 13,056 TURNS OF #35 ENAMEL WIRE AND 174 TURNS OF #35 ENAMEL DC WIRE, DC RE- SISTANCE IS 5400 OHMS.	CM-301151 QBF		TRANSFORMER FREQ RANGE 10 TO 30 KC. PRIMARY AND SECONDARY. EACH CONSIST OF TWO WINDINGS IN SERIES. TERMS 1-3/4-6: 350/350 TURNS OF #33 ENY/#33 ENY WIRE WITH RATED IMPEDANCE RATIO OF 300/300 AND DC. RES. OF 15/23 OHMS. & DC RES OF 15/23 OHMS.
7/29/43 CAAC:5663		CAAC:T-0D-5683	SEPT 43		CFT:RA-1384-1	8/14/43 D-163905		CM:ESA-645295
					REV 0	NOV. 43		ISSUE 2
CAAC 301140		±2DB BETWEEN 500 AND 5000 CPS WITH RE- FERENCE TO VOLTAGE LEVEL AT 1000 CPS.	CAY 301145 TDE-1		AUTOTRANSFORMER INPUT: 208/3/60. OUTPUT: 220/3/60. 1-4 KVA. WIRE SIZE #16 AND #27 ENAMELED WIRE. 6 TERMINALS. 4 MOUNTING FEET.	CAAH-301152 QBF		INPUT TRANSFORMER FREQ RANGE: 10 TO 30 KC. PRIMARY: TERMS 1-2, 1420 TURNS OF #38 EN WIRE WITH 280 OHMS DC RESISTANCE. SECONDARY #1/2 TERMS 3-4/4-5; 1000/1000 TURNS OF #40E/40E WIRE WITH 430/435 OHMS DC RESISTANCE. IMPEDANCE RATIO IS 20,000
			8/13/43 R-1334		CAY:8-D-7484	8/20/43 T-7207		CM:ESA-645939
			NOV. 43		SUB 2	NOV. 43		ISSUE 2
CAAC 301141 YL		MICROPHONE TRANSFORMER: PRI: 170 TURNS #36 WIRE WITH 16 OHMS DC RESISTANCE. SECONDARY 6360 TURNS #44E WIRE WITH 4220 OHMS DC RESISTANCE. TURNS RATIO PRI/SEC IS 37.4/1. OPERATES 100 OHMS TO 140,000 OHMS. FREQ RESPONSE ±2DB BETWEEN 500 AND 5000 CPS WITH REFERENCE 7/29/43 CAAC:5662	CM-301146 MK-12		OUTPUT TRANSFORMER FREQ RANGE: 10 TO 1500 KC. WINDING 1-2/3-4: 500/3000 OHMS IMPEDANCE; 114/230 TURNS OF #28 ENC/36 ENC WIRE WITH 0.83/17.5 OHMS DC RESISTANCE	CAAH 301152		(1-2)/40,000(3-5) OHMS.
7/29/43 CAAC:5662		CAAC:T-0D 5682	SEPT 43		CFT:RA-1382-1	8/16/43 D-164527		CM:ESA-654296
					REV 0	NOV. 43		ISSUE 1
CAAC 301141		TO THE VOLTAGE LEVEL AT 1000 CPS.	CM-301147 MK-12		INPUT TRANSFORMER FREQ RANGE: 0.1 TO 300 KC. WINDING 1-2/3-4/5-6: 71/6000/6000 OHMS IMPEDANCE 103/497/497 TURNS OF #36 EN DRY/30 ENC/ 30 ENC WITH 1.5/26.0/26.0 OHMS DC RESISTANCE.	CML-301153 QBF		OUTPUT TRANSFORMER FREQ RANGE: 21 TO 27 KC. PRIMARY: TERMS 1-3, 560 TURNS OF #35 EN WIRE WITH 14.7 OHMS DC RESISTANCE. SEC #1/#2: TERMS 4-5/6-7: 790/790 TURNS OF #35E/135 E WIRE WITH 13.5/13.5 OHMS DC RESISTANCE. IMPEDANCE RATIO BETWEEN 1-3 AND 4-5, 6-7
			8/16/43 O-163648		CM:ESA-654295	8/20/43 KS-8829		CM:ESA-654208
			NOV. 43		ISSUE 1	NOV. 43		ISSUE 2

3.30-62

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION		
<p>CG-301175 TS-107/TPH-1 TRANSFORMER, INPUT WINDING (1-2), (3-4), (5-6). IMPEDANCE RATIO BETWEEN (1-2) AND (3-4) AND BETWEEN (1-2) AND (5-6) IS 1:1. EACH WINDING CONSISTS OF 25 TURNS. #27 GA EN WIRE. 0.5Ω MAX DC RES. AT 63°F. TOROIDAL TYPE. POITED IN A RECTANGULAR METAL 1715/45 CW:KS-9628 FEB. 45</p>			<p>CG-301181 MK-27 RE 13A553 POWER TRANSFORMER PRIMARY RATED 110/1/120. TERMS 1-2. SEC #1/SEC #2/SEC #3 RATED 300/300/6.3 VOLTS. 0.06/0.06/2.0 AMPS. TERMS 3-4/5-6/7-8.</p>	<p>9/28/43 K-47J366 NOV. 43</p>	<p>CG:T-41J722-3 REV 0</p>	<p>CTH 301189 OAN REACTOR, FILTER RATED 125 HENRIES AT 57 VOLTS. 60 CPS. AND .017 AMPS. DC. DC RESISTANCE IS APPROXIMATELY 2700 OHMS. WINDINGS (1-2) & (3-4) EACH 5400 TURNS OF #37E WIRE. HERMETICALLY SEALED TEST VOLTAGE BET. WINDINGS -2500V. 10/12/43 T-47697 NOV. 43</p>		<p>CFT:F-35869-10 ISSUE D</p>		
<p>CG-301175 CASE WITH STUDS FOR A SINGLE SIDE MOUNTING.</p>			<p>CG-301182 SP FILTER REACTOR RATED 15 HENRIES MINIMUM AT 10 VOLTS 60 CYCLES WITH 150 MA DC. DC RESISTANCE IS 159 OHMS ±3%. HERMITICALLY SEALED.</p>	<p>9/28/43 K-43J358 NOV. 43</p>	<p>CG:K43J358 REV 1</p>	<p>CCV 301190 RBS POWER TRANSFORMER PRIMARY: 115 VOLTS. 1 PHASE 60 CYCLES. TERMINALS 1-2. SEC #1/SEC #2/SEC #3: 12.5/5.0CT/770 CT VOLTS. 3.35/3.0/0.165 AMPS. TERMINALS 4-5/6-7-8/3-9-10. POWER FACTOR NOT LESS THAN 80% AT ANY LINE VOLTAGE BETWEEN 103.5V TO 126V 10/26/43 T-4539 NOV. 43</p>		<p>CCT:3-19001 REV 1</p>		
<p>CG-301176 OAA-2 POWER TRANSFORMER PRIMARY 115/1/50. 19.8 WATTS. 39.5 Ω DC RESISTANCE. SEC #1: 480 VOLTS CENTER-TAPPED. 14.25 WATTS. 755 OHMS DC RESISTANCE. SEC #2: 6.3 VOLTS 1.5 AMPS. 9.45 WATTS. 0.335 OHM DC RESISTANCE. SAME ELECTRICAL CHARACTERISTICS AS NAVY 9/15/43 CPU:10270 NOV. 43</p>			<p>CG-301183 SP FILTER REACTOR RATED 2.65 HENRIES MINIMUM AT 10 VOLTS. 60 CYCLES WITH 800 MA DC. 850 MA DC MAXIMUM. DC RESISTANCE OF CORE AND COIL IS 10.3 OHMS ±6%.</p>	<p>9/28/43 K-43J232 NOV. 43</p>	<p>CG:K43J232 REV 2</p>	<p>CCV 301190 WITH SECONDARY #3 SUPPLYING A LOAD EQUIVALENT TO 24 MA AT 115 V LINE AND SECONDARY #1 SUPPLYING A LOAD EQUIVALENT TO 1.8 AMPS AT 115V LINE CONTINUOUS DUTY.</p>				
<p>CG-301176 TYPE CPU-30980, MECHANICALLY DIFFERENT.</p>			<p>CG-301184 SL-A TRANSFORMER, POWER PRIMARY 115/1/60. 1.13 AMPS. 126 WATTS. 2.1 OHMS DC RESISTANCE. SECONDARY. #1/ #2. 840 VOLTS/6.5 VOLTS. .115 AMPS/7 AMPS: 240 OHMS/.025 OHMS DC RESISTANCE. SEC #2 POTENTIAL TO G'N'D 350 V. 9/29/43 425P15 NOV. 43</p>	<p>9/28/43 K-43J232 NOV. 43</p>	<p>CG:K43J232 REV 2</p>	<p>CCV 301191 RBS OUTPUT TRANSFORMER DESIGNED TO MATCH PUSH-PULL 6V6 OUTPUT TUBES (10,000 OHMS) TO 600 OHMS BALANCED LINE. PRIMARY: 2225 TURNS #32 EN WIRE TAPPED AT 1112 TURNS. SECONDARY 550 TURNS #30 EN WIRE TAPPED AT 275 TURNS.</p>		<p>10/26/43 T-7152 NOV. 43</p>	<p>CCT:8-18911 REV 0</p>	
<p>CG-301177 NX50-20583 RE 13A553 FILAMENT TRANSFORMER PRIMARY RATED 115/1/60. SECONDARY RATED 2.5 VOLTS RMS. 3.0 AMPS SECONDARY WINDING OPERATES 6.5 KV OFF GROUND.</p>			<p>CG-301185 SL-A TRANSFORMER, POWER PRIMARY 115/1/60. 46 WATTS. 1.09 AMPS. 2.2 OHMS DC RESISTANCE. SEC #1. 78 VOLTS 1.2 AMPS. 1.4 OHMS DC RESISTANCE; SEC #2. 6.5 VOLTS. 2.0 AMPS. .094 OHMS DC RESISTANCE.</p>	<p>9/30/43 425P1425P16 NOV. 43</p>	<p>CW:ESA-656420 ISSUE 1</p>	<p>CCV 301192 RBS INPUT TRANSFORMER PRIMARY: 550 TURNS OF #28 EN WIRE. SECONDARY: 1650 TURNS OF #32 EN WIRE TAPPED AT 825 TURNS.</p>		<p>10/26/43 T-7153 NOV. 43</p>	<p>CCT:8-18901 REV 0</p>	
<p>CG-301177 9/28/43 K-44J699 NOV. 43</p>			<p>CG-301186 SL-A TRANSFORMER, POWER PRIMARY 115/1/50-60. 50 WATTS. 10.6 OHMS DC RESISTANCE SEC #1 5.0 VOLTS. 5 AMPS. 300 V AC TO G'N'D. SEC #2 6.3V-1.8 AMP. G'N'D POTENTIAL: SEC #3 6.3V-.6 AMP. 300V DC TO G'N'D.</p>	<p>9/30/43 T-46236 NOV. 43</p>	<p>CW:ESA-651264 ISSUE 1</p>	<p>CCV 301193 RBS REACTOR RATED 5.0 HENRIES ±10% AT 10 VOLTS. 60 CYCLES, AND 165 MA DC.</p>		<p>10/26/43 T-4540 NOV. 43</p>	<p>CCT:8-18951 REV 2</p>	
<p>CG-301178 NX50-20583 RE 13A553 PLATE TRANSFORMER PRIMARY RATED 115/1/60. SECONDARY RATED 5500 VOLTS RMS. 1.0 MA. SECONDARY WINDING OPERATES 0 VOLTS OF GROUND.</p>			<p>CG-301187 OAN TRANSFORMER, POWER PRIMARY/SEC #1/SEC #2.: 115/1/60/510 CT/6.3: .39/.025 ADC/2.1: AMPS.: 666/2200 /41 TURNS. #23E/#38E/#20E SIZE WIRE; 19.15/1032/.25 OHMS. DC RESISTANCE. - / 225V./6.3 VOLTS TO G'N'D.</p>	<p>10/9/43 T-47696 NOV. 43</p>	<p>CTF:F-35865-10 ISSUE 0</p>	<p>CG-301194 MK 1, MOD 2 REACTOR, FILTER RATED 10 HENRIES AT 10 VOLTS. 60 CPS.. WITH 75 MA DC. WINDING. VOLTAGE TO GROUND. 750 V. DC. RESISTANCE, 352 OHMS ±12% AT 25°C.</p>		<p>10/28/43 K-47J660 NOV. 43</p>	<p>CG:K-47J660 REV 0</p>	
<p>CG-301179 NX50-20583 RE 13A553 TRANSFORMER PRIMARY RATED 115/1/60. TERMS 1-2. SEC #1/SEC #2/SEC #3 RATED 250/230/50 VOLTS. 0.005/0.003/0.003 AMPS RMS. TERMS 3-4/5-6/7-GND.</p>			<p>CG-301188 MK-27 RE 13A553 AUDIO TRANSFORMER PRIMARY RATED 40 VOLTS. 120 CYCLES. SEC #1/SEC #2 RATED 400/400 VOLTS</p>	<p>9/28/43 K-47J85 NOV. 43</p>	<p>CG:K-47J85 REV 0</p>	<p>CG-301195 MK 1, MOD 2 REACTOR, FILTER RATED 10.5 HENRIES AT 10 VOLTS. 60 CPS. WITH 225 MA DC. WINDING. VOLTAGE TO GROUND. 350V. DC. CORE AND COIL TYPE CONSTRUCTION. DC. RESISTANCE, 114 OHMS ±3% AT 25°C.</p>		<p>10/28/43 K-44J818 NOV. 43</p>	<p>CG:K-44J818 REV 4</p>	
<p>CG-301179 9/28/43 K-47J365 NOV. 43</p>			<p>CG-301188 QFG TRANSFORMER, POWER PRIMARY/SEC. #1/SEC #2/SEC #3: 115/1/60/750 V. CT./6.3V./5V.: .05 AMP/4.2 AMP/3.0 AMP: 3.36 OHMS/433.0/.0055/.004 OHMS RESISTANCE; ALL SECONDARIES TEST VOLTAGE TO G'N'D. 1732V. WINDING: 306 TURNS/22E/ 2 TURNS/34E/19 TURNS/16E/14 TURNS/15E 10/21/43 U/885A NOV. 43</p>	<p>9/28/43 K-47J365 NOV. 43</p>	<p>CG:T-41J722-2 REV 0</p>	<p>CRP:DL74-998 SUB 0</p>	<p>ASSIGNED ISSUED</p>	<p>DATE</p>	<p>MANUFACTURER'S DESIGNATION</p>	<p>MANUFACTURER'S DRAWING NUMBER</p>

Class 30—Transformers and Reactors

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG-301196	10/28/43	CG:K-47J671	CJE	BH, BN-1		CALS 301207	SD-5	
REACTOR, FILTER RATED 5.5 HENRIES, AT 10V. 60 CPS. WITH 40 MA DC. HERMETICALLY SEALED. DC. RESISTANCE, 446 OHMS ±13.5% AT 25°C.	NOV. 43	REV 0	CCV-301201-B		TRANSFORMER, POWER SAME AS -301201-A EXCEPT WINDINGS ARE REDESIGNED TO ELIMINATE CORONA.	TRANSFORMER, POWER PRIMARY RATED 115/11/50, 1 AMP. CONSISTS OF 415 TURNS OF .0235 E WIRE, 2.37 OHMS DC RES. SEC #1: 550/275V, 100 AMP DC. 2130 TURNS OF .0089 E WIRE 159 Ω DC RES. SEC #2: 6.3V, 6.0 AMPS 24 TURNS .0720 E WIRE 0.036 OHMS DC. SEC #3: 5V, 3.0 AMPS 11/10/43 CRV:901710-501 CRV:K-901710 MAR. 44 SUB 1		
CG-301197	10/30/43	CG:K-47J956	CFR-301202	08B		CALS 301207		
TRANSFORMER, COUPLING RATED 34.5 M.H. ±20% EACH ON PRIMARY & SECONDARY INDUCTANCES. HERMETICALLY SEALED CONTAINER. 25.3 OHMS DC. RES. EACH COIL TEMP - RANGE - 40°C TO 70°C.	MAR. 44	REV 0	OUTPUT TRANSFORMER 200/50 TO 40,000 OHMS. TURNS RATIO PRIMARY// FULL SECONDARY 28.5/1. PRIMARY 4600 TURNS #42 E WIRE, 1450 OHMS ±15% DC RES. SECONDARY #1-162 TURNS #34 E WIRE, 11 OHMS ±15%; SECONDARY #2-162 TURNS #34 E WIRE 11 OHMS ±15%. PRIMARY INDUCTANCE 11/7/43 CFR:C-405X CZH:301-109 MAR. 44		19 TURNS .0508 E WIRE 0.056 OHMS DC RES. SEC #4: 6.3V, 0.6 AMP 24 TURNS .0226 E WIRE, 0.342 OHMS DC RES.			
CG-301198	10/30/43	CG:K-52J65	CFR-301202			CRV301208	SD-5	
TRANSFORMER, OSCILLATOR RATED 950 M.H. ±20% EACH ON PRIMARY & SECONDARY INDUCTANCES. HERMETICALLY SEALED CONTAINER. PRIMARY COIL 2.0 OHMS DC. RES. SEC. COIL 2.05 OHMS DC. RES. TEMP. RANGE -40°C TO 70°C.	MAR. 44	REV 0	200 HENRYS AT 60 CYCLES 2 VOLTS. IMPED. 40,000 OHMS WITH 50 OHMS AT SEC'S.			TRANSFORMER, INTERSTAGE PRIMARY TO SEC. TURN RATIO 2/1 ±3%. SEC. INDUCT 0.5 HENRY ±20% AT 3V 1000 CYCLES. PRIMARY 896 TURNS .0031 E WIRE 145Ω DC RES. SEC 448 TURNS .0045 E WIRE 35Ω DC RES.		
CAT-301199	11/1/43	CW:KS-5945L02	CAFT 301203	08B		11/10/43	CRV:901594-501	K-901594-501
AUTOTRANSFORMER RATED 0.72 KVA. INPUT: 115/1/400. OUTPUT: 75 TO 120 VOLTS CONTINUOUSLY TAPPED FOR SATISFACTORY OPERATION IN AMBIENT TEMPERATURES FROM -40° TO 50°C. WINDINGS TERMINATED IN AMPHENOL AN-3102-22-9P CONNECTOR.	NOV. 43	ISSUE 1	FILAMENT TRANSFORMER PRIMARY 115/1/60. 16.9 VA. SECONDARY 6.3V, 12.6 VA. PRIMARY: #31 E WIRE, 44.5 OHMS. SECONDARY: #20 E WIRE, 0.36 OHMS. TURNS RATIO 15.7 TO 1.			NOV. 43	SUB 2	
CW-301200	11/1/43	CW:ESA-656613	CAFT-301204	08B		CG-301209	X-TDP-1	
FILAMENT TRANSFORMER PRIMARY RATED 115/1/400. 1008 TURNS OF 30 EN WIRE WITH 24.0 OHMS DC RESISTANCE. SECONDARY RATED 6.3 VOLTS, 2.85 AMPS, 65 TURNS OF # 18 EN WIRE WITH 0.148 OHMS DC RESISTANCE.	NOV. 43	ISSUE 1	FILAMENT TRANSFORMER PRIMARY: 140 VOLTS (TAPPED AT 80, 115, 120, 125). 10 160 CYCLES, 66VA. SECONDARY: 6.3 VOLTS, 50.4VA. PRIMARY #24 E WIRE 10.3 OHMS D.C. RES. SEC: #13 E WIRE .055 OHMS DC RES. TURNS RATIO 20.4/1			MAR. 44		
CJE-301201	11/9/43	CG:K-44J205	CG-301205	-46ACQ	RE 13A553	CG-301210	X-TDP-1	
TRANSFORMER POWER PRIMARY: 125 VOLTS, TAPPED AT 105 AND 115 VOLTS, 10, 50 TO 425 CPS. SECONDAR- IES: 5.1 VOLTS AT 3 AMPS 325 VOLTS CT AT 175 MA, 5.4 VOLTS AT 8 AMPS, 6.4 VOLTS AT 10.3 AMPS 2.5 VOLTS AT 3 AMPS AND 4500 VOLT AT 5 MA. THE 2.5 AND 4500 11/3/43 463-001-224 CFN:300559 FEB. 45 CFN:300359-1 REV 2	NOV. 43	REV 1	FILTER REACTOR HERMETICALLY SEALED. RATED 13 HENRIES MIN AT 10 VOLTS, 60 CYCLES WITH 130 MA DC. DC RESISTANCE IS 152 OHMS.			MAR. 44		
CJE-301201	1/8/45		CW-301206	HK-22		CG-301211	X-TDP-1	
POWER TRANSFORMER PRIMARY RATED 115/1/400 CONSISTS OF 226 TURNS OF #23 GAGE ENAMEL WIRE 1.4Ω DC RES. SEC #1 RATED 6.3V, 12 AMP. CONSISTS OF 13 TURNS OF .003 X 1.75 COPPER SHEET, .0103Ω DC RES. SEC #2 RATED 6.3V, 1 AMP CONSISTS OF 13 TURNS #23 GAGE ENAMEL 11/9/43 D-163254 CH:ESA-656961 NOV. 43 ISSUE 1	FEB. 45		POWER TRANSFORMER PRIMARY RATED 115/1/400 CONSISTS OF 226 TURNS OF #23 GAGE ENAMEL WIRE 1.4Ω DC RES. SEC #1 RATED 6.3V, 12 AMP. CONSISTS OF 13 TURNS OF .003 X 1.75 COPPER SHEET, .0103Ω DC RES. SEC #2 RATED 6.3V, 1 AMP CONSISTS OF 13 TURNS #23 GAGE ENAMEL 11/9/43 D-163254 CH:ESA-656961 NOV. 43 ISSUE 1			MAR. 44		
CCV-301201-A	1/8/45		CG-301212	X-TDP-1		CG-301212	X-TDP-1	
TRANSFORMER, POWER SAME AS -301201 EXCEPT CASE IS STRONGER AND IS OIL FILLED INSTEAD OF PIJCH FILLED.	FEB. 45		TRANSFORMER: PRIMARY RATED 115/230V. 50/60 CYCLES SEC: 450, .0151 KVA. TRANSFORMER CONSISTS OF 2 PRIMARYS AND 1 SECONDARY. TO OBTAIN 450V IN SECONDARY: FOR 115V INPUT, CON- NECT PRIMARYS IN PARALLEL; FOR 230V IN- PUT, CONNECT PRIMARYS IN SERIES. EACH 11/18/43 7470611 M-7470611 MAR. 44 REV 1			MAR. 44		

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG-301212		PRIMARY 530 TURNS 0.10 E WIRE 52.9 OHMS DC RES. SEC 2230 TURNS .0063 E WIRE, 340 OHMS DC RES.	CG-301213 X-TDP-1		TRANSFORMER PRIMARY RATED 115/230V. 50/60 CYC. SEC #1: 6.3V. 0.6 AMP SEC #2 6.3V. 0.6 AMP SEC #3: 6.3V. 4.5 AMP. TRANSFORMER CONSISTS OF 2 PRIMARYS. TO OBTAIN THE ABOVE OUTPUTS: WITH 115V INPUT, CONNECT PRIMARYS IN PARALLEL; WITH 230V INPUT, 11/18/43 7470605 CG:M-7470605 NOV. 43 REV 1	CABJ 301224		GENERAL USE TELETYPE REPEATING COIL REPEATING COIL SIMILAR TO W6 TYPE 64-J. HAS SPECIAL MOUNTING. TO REPLACE SIGNAL CORPS TYPE C-75. RESIS. PRI. 5Ω; RESIS. SEC. 27/27Ω. BALANCE CENTER TAP. 3Ω AT 1000 CYCLES. TRANSMISSION LOSS: FREQ., CYC./SEC. LOSS. DB. 20, 3.0; 200, 1.2; 1/1/44 SIGNAL CORPS 8028 FEB. 44 C-161 REV A
CG-301213 X-TDP-1		TRANSFORMER PRIMARY RATED 115/230V. 50/60 CYC. SEC: 2.5V. 1.75 AMP. TRANSFORMER CONSISTS OF 2 PRIMARYS AND 1 SEC. TO OBTAIN 2.5V. 1.75 AMPS IN SEC: FOR 115V INPUT, CONNECT PRIMARYS IN PARALLEL; FOR 230V INPUT, CONNECT PRIMARYS IN SERIES. 11/18/43 7470612 CG:M-7470612 MAR. 44 REV 1	CG-301218		CONNECT PRIMARYS IN SERIES.	CABJ 301224		1000, 1.0; 3000, 1.0.
CG-301213		EACH PRIMARY 985 TURNS .0056 E WIRE 254 OHMS DC RES. SEC 24 TURNS 0.0420 E WIRE, .0766 OHMS DC RES.	CG-301219 X-TDP-1		TRANSFORMER PRIMARY RATED 115/230V. 50/60 CYC. SEC 1000V. .025 AMP; TAPPED FOR 540V. .037 AMP. TRANSFORMER CONSISTS OF 2 PRIMARYS. TO OBTAIN THE ABOVE OUTPUTS: WITH 115V INPUT, CONNECT PRIMARYS IN PARALLEL; WITH 230V INPUT, CONNECT PRIMARYS IN SERIES. 11/19/43 7470607 CG:M-7470607 NOV. 43 REV 1	CG-301225 SK-1M		TRANSFORMER PRIMARY: 115/1/60. SECONDARY: 6250/1/50. 0.056 AMPS. 26,000 VOLTS TEST. PRIMARY CONSISTS 151 TURNS 0.0720 E WIRE. 0.269 OHMS DC RES. SEC. 2 COILS 4280 TURNS EACH 0.0089 E WIRE, 1590 OHMS DC RESISTANCE, 0.5 KVA. PRI CURRENT 4.85 AMPS. 1/2/44 7469166 M-7469166 MAY 45 REV 0
CG-301214 X-TDP-1		TRANSFORMER PRIMARY RATED 115/230V. 50/60CYC. SEC: 4.8V. 0.44 AMP. PRIMARY CENTER TAPPED FOR 115V. USE FULL PRIMARY FOR 230V. PRIMARY 2350 TURNS .0050 E WIRE 369 OHMS DC RES. SEC 57 TURNS 0.0201 E WIRE, .690 OHMS DC RES. 11/18/43 7470619 CG:M-7470619 NOV. 43 REV 1	CG-301220 X-TDP-1		TRANSFORMER PRIMARY RATED 115/230V. 50/60CYC. SEC 5V. 4 AMP. TRANSFORMER CONSISTS OF 2 PRIMARYS AND 1 SEC. TO OBTAIN 5V. 4 AMP IN SEC: FOR 115V INPUT, CONNECT PRIMARYS IN PARALLEL; FOR 230V INPUT CONNECT PRIMARYS IN SERIES. 11/19/43 7470606 CG:M-7470606 NOV. 43 REV 1	CG-301225		PRI TEST 2500V SEC. TEST 26,000V.
CG-301215 X-TDP-1		TRANSFORMER PRIMARY RATED 115/230V. 50/60 CYC. SEC 14000V. 2 KVA. TRANSFORMER CONSISTS OF 2 PRIMARYS AND 1 SEC. TO OBTAIN 14000V IN SEC. FOR 115V INPUT, CONNECT PRIMARYS IN PARALLEL; FOR 230V INPUT, CONNECT PRIMARYS IN SERIES. 11/18/43 7470609 CG:M-7470609 NOV. 43 REV 1	CRP 301221 SO-11		LINE VOLTAGE REGULATOR & FILTER INPUT 115/230/460 VOLTS, 1 PHASE, 60 CYCLES, RATED 3 KVA. OUTPUT 115/1/60.	CLV 301226 NXsr-41048		LINE TRANSFORMER 10 KVA, SINGLE PHASE, 50 CYCLE. BY SERIES OR PARALLEL ARRANGEMENTS OF PRIM. 115V CAN BE OBTAINED IN SECONDARY WITH 220 OR 440V IN PRIMARY. PRIMARY CONSISTS OF TWO SECTIONS; 104 TURNS 0.092 X 0.148 WIRE PER SECTION; 0.1457 OHMS DC RES. OF BOTH 1/6/44 L-575 B-519028 FEB. 44
CG-301216 X-TDP-1		AUTOTRANSFORMER INPUT 115/230V. 50/60 CYC. 4.5 KVA. OUTPUT 115V. 40 AMP. 72 TURNS .200" X 1.20" WIRE. .09 OHMS DC RES. 11/18/43 7470616 CG:M-7470616 MAR. 44 REV 1	12/7/43 WX-5042		DX-91-804 AUG. 44	CLV 301225		SECTIONS IN SERIES. SECONDARY CONSISTS OF 104 TURNS 0.120 X 0.325 WIRE.
CG-301217 X-TDP-1		TRANSFORMER CONSISTS OF 2 PRIMARYS, TERMINALS 1-2/3-4. WITH 115V 60 CYC INPUT CONNECT PRIMARYS IN PARALLEL. WITH 230V 60 CYC INPUT CONNECT PRIMARYS IN SERIES. SEC #1/2/3/4/5/6: 710CT/2.5/2.5/5/6.3V. 0.0283/1.75/1.75/2 11/18/43 7469199 CG:M-7469199 NOV. 43 REV 1	CRP 301222 VD-1		VOLTAGE REGULATING TRANSFORMER: INPUT 95-130V/1/60 7.2 AMPS, RATED 660VA, 1730 RMS TEST VOLTAGE. OUTPUT 115V, 4.35 AMPS .90 P.F. 12/7/43 WX-5044 DU74-1037 DEC. 44 SUB 8	CG-301227 UE-1		ISOLATION TRANSFORMER PRIMARY TAPPED AT 5 VOLTS INTERVALS FROM 95 TO 135V. 10. 50-60- SO THAT AN OUTPUT OF 115 OR 230 (±2.5) VOLTS CAN BE OBTAINED FROM VARIOUS LINE VOLTAGES. RATED OUTPUT 7.5 KVA. ELECTROSTATICALLY SHIELDED. 1/6/44 K54J37 MAR. 44
CG-301217		70.6 AMPS, TERMINALS 5-6-7/8-9/10-11/12-13/14-15.	CRP 301223 QGA		POWER TRANSFORMER RATED 3 KVA. PRIMARY: 220 OR 440V. 10. 60-. 137 TURNS OF 0.07 X 0.14 DC WIRE. 0.20 OHMS MAX DC RES. SECONDARY: 115/1/60. 26.1 AMPS TAPPED AT 79 VOLTS, 1.0 AMP. 73 TURNS TAPPED AT 50 TURNS 0.09 X 0.3 DC WIRE, 0.046 OHMS MAX DC RES. 12/14/43 CBM:7599 CBM:60310 FEB. 44 CRP:U-7425 ALT 1	CZE 301228 08J		TRANSFORMER & RECTIFIER UNIT INPUT 115/1/60. CANCELLED INCORPORATED IN -20273 1/10/44 FEB. 44

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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Class 30—Transformers and Reactors

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION							
CRV 301229	MK 26 MOD 3	PLATE TRANSFORMER PRIMARY RATED 110/115/120 I PHASE 60 CYCLES; 412 TURNS .0179 E WIRE TAPPED AT 378 AND 394 TURNS; 6.72 OHMS DC RES. SECONDARY RATED 1207 VOLTS NO LOAD AND 1100 VOLTS FULL LOAD TAPPED AT 453 VOLTS; *SH 1 SUB 7, SH 2&3 SUB 9, SH 4&5 SUB 1	CAJX 301251	QC SERIES TRANSFORMER PRIMARY RATED 115/116/60; CONSISTS OF 680 TURNS #26 PE WIRE 8.5 OHMS DC RES. SECONDARY: RATED 78V 0.32 AMPS; CONSISTS OF 470 TURNS #25 PE WIRE 12.5 OHMS DC RES.	CG-301236	SAME AS 301226 EXCEPT TERMINAL BOARD IS STEEL INSTEAD OF HYCOLOY; 5/16" HIGHER. TERMINAL STUDS ARE #6-32 INSTEAD OF #8-32.	1/14/44	K-901495-502	K-901495-502	1/14/44	AA5022	AA5022	3/22/44	CG:690364	M-9202550-21
CRV 301229		*SEE ABOVE	CG-301232	SP POWER TRANSFORMER PRIMARY: 220 OR 440 VOLTS, 1 PHASE, 60 CYCLES. SECONDARY: 115 VOLTS I PHASE, 60 CYCLES, 54.4 AMPS, 6.25 KVA. PRIMARY 65 TURNS, CONDUCTOR 0.15" X 0.15", 125 OHMS RESISTANCE; SECONDARY 34 TURNS, CONDUCTOR 0.29" X 0.17", .062 OHMS RES.	CG-301237	SP, SP-1H REACTOR: RATED 1 HENRY, 3.2 AMPS DC RESISTANCE, 5 OHMS MAX. TEST VOLTAGE 1250 VOLTS R.H.S.	2/3/44	7469190	M-7469190	3/22/44	CG:690364	M-9202550-21	4/4/44	KS-9494	BA-104272
CRV 301230	MK 26 MOD 3	PLATE TRANSFORMER PRIMARY RATED 110/115/120 I PHASE 60 CYCLES; 1.0 AMP; 285 TURNS .0403 E WIRE TAPPED AT 261 AND 273 TURNS; 1.36 OHMS DC RES. SECONDARY RATED 9240 VOLTS NO LOAD AND 9000 VOLTS FULL LOAD .008 AMPS *SH 1 SUB 7 SH 2&3 SUB 9, SH 4&5 SUB 1	CG-301233	SP VOLTAGE REGULATING TRANSFORMER: PRIMARY: 95 TO 130 VOLTS, 1 PHASE, 57 TO 63 CYCLES. SECONDARY: 110/112/114V OUTPUT I PHASE 57 TO 63 CYCLES, 12.2 AMPS, 1.3 KVA AT .88PF. OUTPUT TRANSFORMER COIL A (PRI) 2/3/44 7470880	CG-301238	UF POWER TRANSFORMER: 8 TERMINALS, 4 WINDINGS. WINDING (1-2) (3-4)(5-6)(7-8), CONSISTS OF 1350/1350/1740/88 TURNS OF #32/#32/#35/#23E WIRE OF 78/96/293/1 OHM MAX DC RES. 350V/350V/350V/350V/ MAX PEAK TO GROUND WITH (1-3)(2 & 4) CONNECTED -115V	2/3/44	K-901550-502	K-901550-502	4/4/44	KS-9494	BA-104272	4/4/44	KS-9494	BA-104272
CRV 301230		*SEE ABOVE	CG-301233		CG-301233	APPLIED TO (1-2) OR WITH (2-3) CONNECTED & WITH 230V APPLIED TO (1-4) WINDING (5-6) WILL DELIVER .045 AMPS & 130V AND WINDING (7-8) WILL DELIVER 0.7 AMP 6.3V.	2/3/44	7470880	M-7470880	4/4/44	KS-9494	BA-104272	4/4/44	KS-9494	BA-104272
CSY-301230-A	MARK 26	PLATE TRANSFORMER: PRIMARY: 110/115/120, 1 PHASE, 60 CPS, 1 AMP, 285 TURNS 0.0403 E WIRE TAPPED AT 261 AND 273 TURNS, 1.36 OHMS DC RES. SECONDARY: 9240 VOLTS (NO LOAD) OR 9000 VOLTS (FULL LOAD) 0.008 AMPS DC 2200 TURNS 0.0065 E WIRE, 6090 OHMS DC RES.	CG-301234	MK 26 MOD 4 VOLTAGE REGULATING TRANSFORMER: PRIMARY: 95 TO 130 VOLTS, 1 PHASE, 57 TO 63 CYCLES. SECONDARY: 115 VOLTS, 1 PHASE 57 TO 63 CYCLES, 6.6 AMPS. OUTPUT VOLTAGE VARIATION: CONSTANT FREQUENCY & INPUT VOLTAGE 95-130, ±1%; CONSTANT VOLT AND 57-63 CPS, ±1 1/2%;	CG-301239	UF POWER TRANSFORMER: POTTED, RECTANGULAR METAL CASE, STUD MOUNTED, 7 WINDINGS, 5 TERMINALS.	2/4/44	7470608	M-7470608	4/4/44	D-164688		4/4/44	D-164688	
CCV-301230-B	MARK 26	PLATE TRANSFORMER: PRIMARY: 110/115/120, 1 PHASE, 60 CPS, 1 AMP, 285 TURNS 0.0403 E WIRE TAPPED AT 261 AND 273 TURNS, 1.36 OHMS DC RESISTANCE. SECONDARY: 9240 VOLTS (NO LOAD) OR 9000 VOLTS (FULL LOAD) 0.008 AMPS DC, 2200 TURNS 0.0065 E WIRE, 6090 OHMS DC	CG-301234		CG-301240	UF INDUCTOR (RETARDATION COIL): POTTED, RECTANGULAR METAL CASE, STUD MOUNTED, SINGLE WINDING, 2 TERMINALS. INDUCTANCE 5.5 HENRIES WITH 0.1 AMP DC THROUGH WINDING & 100V 60 CYCLES ACROSS WINDING 330V PEAK FROM WINDING. CASE, CONSISTS OF WINDING 1050 TURNS #02E	3/10/44	D-152195	CH:BX-20405	4/4/44	D-162825	BA-102260	4/4/44	D-162825	BA-102260
CCP-301230-B		RESISTANCE. MECHANICALLY AND ELECTRICAL- LY INTERCHANGEABLE WITH -301230 EXCEPT HAS SLIGHT INTERNAL DESIGN CHANGES.	CANP-301235	MARK 8 MOD 2 FILAMENT TRANSFORMER ASSEMBLY CONSISTS OF A -30795 POWER TRANSFORMER MOUNTED IN A BOX WHICH ALSO CONTAINS A CONNECTION TERMINAL STRIP. PRIMARY: 115/1760. SECONDARY: 2 WINDINGS EACH RATED 6.3/1760, 12 AMPS, .15 KVA	CG-301241	SO-11 POWER TRANSFORMER: PRIMARY: 225/450 VOLTS 9.26/4.65 AMPS, 1Φ, 60 CYCLES. PRIMARY #1: 162 TURNS .04 X .130 RECTANGULAR ENAMELED C.C. WIRE 0.31 OHMS DC RES, PRIMARY #2: 162 TURNS .040 X .130 RECTANGULAR ENAMELED C.C. WIRE, 0.39 OHMS DC RES. SECONDARY: 115	3/10/44	D-152195	CH:BX-20405	4/10/44	UX-8714	DW74-1066	4/10/44	UX-8714	DW74-1066

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NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
		CRP-301241	CSN-301247		CG-301252			
		VOLTS, 1Φ, 60 CYCLES, 17.4 AMPS, 2KVA, 85 TURNS 0.100 X .200 RECTANGULAR D.C. WIRE 0.067 OHMS DC RESISTANCE.	TRANSFORMER, AUDIO: PRI. IMPEDANCE 5000Ω WITH 200Ω TAP, SEC. IMPEDANCE 60000Ω, TURNS RATIO 1 TO 3.44 AND 1 TO 17.2 PRITURNS 1800; SEC TURNS 6200. PRI. WIRE #378S, SEC WIRE #403S WIRE LEAD TERMINALS.		VOLTAGE STABILIZER: RATED 0.85 KVA AT 103 TO 127 VOLTS, 1Φ, 57 TO 63 CYCLES AT 0.93 PF. OUTPUT: 110/115/120/125 VOLTS. VOLTAGE VARIATION OF OUTPUT ±3% AT CONSTANT INPUT VOLTAGE FROM 57 TO 63 CYCLES. ±4% 103 TO 127 VOLTS, 57 TO 63 CYCLES INPUT, ±1% WITH 6/10/44 CG:690383 CG:K-5408590P AUG. 44			
		5/11/44 A-3853 AUG. 44	A-63221 REV 2					
		CSY-301242 MARK 27	CSN-301248		CG-301253			
		VOLTAGE REGULATING TRANSFORMER: PRIMARY: 375 TO 485 VOLTS, 1Φ, 57 TO 63 SECONDARY: 115 VOLTS, 1Φ, 57 TO 63 CYCLES 17.5 AMPS, 0.9 PF, 2KVA.	FILTER REACTOR: RATING 8 HENRIES ±15% AT RATED CURRENT OF 75 MA D.C. INDUCTANCE AT ZERO D.C. 20 HENRIES. DC RESISTANCE 275 OHMS. SIZE OF WIRE IN WINDING #348S GAGE. MOISTURE PROTECTION MAX DIPPED.		CONSTANT FREQUENCY AND INPUT VOLTAGE OF 103 TO 127 VOLTS.			
		* (CW)KS-9343 LIST 1 30793	5/12/44 C-1355 AUG. 44	(CKV)L-63320 REV 2				
		4/10/44 *SEE ABOVE (CH)ESL-660813 MAY 44 ISSUE 1						
		CAPK-301243 MK 13	CG-301249		CG-301253			
		POWER TRANSFORMER ASSEMBLY: INCLUDES A POWER TRANSFORMER WITH A PRIMARY OF 440/1760 AND A SECONDARY OF 115/1760, FUSES, 2 CONTACTORS, INDICATING LAMP, A TOGGLE SWITCHES AND A CUTOUT SWITCH. RATE 4 KVA.	VOLTAGE REGULATING TRANSFORMER: PIR. 95 TO 130 VOLTS, 1Φ, 60 CYCLE. SECONDARY 115 VOLTS, 21.8 AMPS, 2.5 KVA. .95 PF. OUTPUT VOLTAGE VARIATION AT 2.5 KVA -.095 PF. ±1% INPUT VOLTAGE FIXED AND 59 TO 61 CYCLES ± 2 1/2% AT 5/20/44 M-7470669 M-7470669 AUG. 44		*SEE BELOW VOLTAGE STABILIZING TRANSFORMER: RATED 2.3 KVA AT 100 TO 135 VOLTS, 57-63 CYCLES AT 0.83 PF. OUTPUT: 113/115/117 VOLTS. VOLTAGE VARIATION OF OUTPUT (1) ±1% AT CONSTANT FREQUENCY AND INPUT 100-135 (2) ±1 1/2% AT 57-63 CYCLES *NXSR-49650 GENERAL RADAR USE. 6/17/44 690351 K-5808590LR AUG. 44 REV 2			
		4/12/44 D-152185 JULY 44						
		CLV-301244 GEN RADAR USE RE13A871	CG-301249		CG-301253			
		LINE TRANSFORMER: 10KVA, SINGLE PHASE, 60 CYCLES, 8Y SERIES OR PARALLEL CONNECTION OF PRIMARY WINDING 115 VOLTS CAN BE OBTAINED FROM SECONDARY WITH 220 COLTS, TAPPED AT 227.5 AND 212.5, OR 440 VOLTS, TAPPER AT 455 AND 425, ON PRIMARY, ROUND WOUND DRY TYPE 4/14/44 L-591 (CLV)3-519030 JULY 44 NAVY TYPE PD	95-130 VOLTS AND 59 TO 61 CYCLES 3 1/2%. EQUIPPED WITH HARMONIC FILTER.		AT CONSTANT INPUT VOLTAGE (3) 2 1/2% WITH 100-135 VOLTS AND 57-63 CYCLES.			
		CLV-301244	CRP-301250		CG-301254			
		TYPE, SIMILAR TO -301226. *NXSR-53303 (CLV DWG B-519030)	SG-1 AUTO TRANSFORMER: INPUT: 115/1760, 30 AMPS. OUTPUT 115 TO 135 VOLTS IN 2 VOLT STEPS, 1Φ 60-, 25 AMPS. WINDING CONSISTS OF 227 TURNS #13 ENAMEL WIRE, 0.46 OHMS DC RESISTANCE PLUS 40 TURNS, TAPPED EVERY 4 TURNS. OF RECTANGULAR 0.1 X 0.2 DOUBLE COTTON WIRE. 5/30/44 UX-95168 DX92-856 AUG. 44 SUB A		FOR USE WITH TDU PLATE TRANSFORMER: RATED 32.5 KVA, 3 PHASE, 50/60 CYCLES PRIMARY INPUT 230 VOLTS, SECONDARY WITH DELTA CONNECTION 5250 PHASE VOLTAGE AND 3020 LEG VOLTAGE; WITH WYE CONNECTION: 3020 PHASE AND 1750 LEG VOLTAGE. OIL IMMERSUED. 6/19/44 CAT:01SC CRV:P-719462 AUG. 44 CAT #C-59391			
		CG-301245 TBC-3	CRP-301250		CAOU-301255			
		VOLTAGE REGULATING TRANSFORMER: 3 SINGLE PHASE TRANSFORMERS ARRANGED FOR 3Φ OPERATION. EACH UNIT RATED: PRIMARY 133/1760, 15.1 AMPS, ±88.8% RAISE AND LOWER, 1.8 KVA CONT. DUTY, 45°C RISE. INCLUDES MOTOR WHICH DRIVES ALL 3 5/3/44 3235728 P-7763049 DEC. 44 REV 3	0.0195 OHMS DC RES. TEST VOLTAGE 4000 VOLTS RMS TO GROUND.		*SEE BELOW RE13A871A POWER TRANSFORMER: PRIMARY: 220/440 VOLTS, 1Φ 60-, TAPPED AT 212.5, 220, 227.5, 425, 440 AND 455 VOLTS. EACH PRIMARY CONSISTS OF 101 TURNS OF #10 RD. HEP WIRE 6.6 AMPS 0.186 OHMS DC RES. SECONDARY: 115/1760, 3 KVA. *GEN. USE NXSR-56784 6/22/44 PD: CAOU:TC-205858 MAY 45.			
		CG-301245	CRP-301251		CAOU-301255			
		TRANSFORMERS BY GEAR COUPLING. FOR STARTING & REGULATING POWER AMPLIFIER FILAMENTS. SUPPLY FROM 23V STARTING TO 345V RUNNING.	SG-12 AUTO TRANSFORMER: INPUT: 100/107.5/115/122.5 VOLTS 1Φ 60-, 21 AMPS MAX OUTPUT: 115/1760, 17.4 AMPS 2 KVA. WINDING CONSISTS OF 170 TURNS OF #15 ENAMEL WIRE, 0.495 OHMS DC RESISTANCE PLUS 39 TURNS, TAPPED AT 13 AND 26 TURNS OF RECTANGULAR 0.08" X 0.17" 6/9/44 UX-8737A DY74-1086 AUG. 44 SUB 3		CONSISTS OF 51 TURNS OF 1/4" X 0.128" PC WIRE, 0.026 OHMS DC RES, 26.1 AMPS. ELECTROSTATICALLY SHIELDED, 55°C RISE AT 40°C AMBIENT TEMP.			
		CAFT-301246 MAE-1	CRP-301251		CAOU-301256			
		AUTO-TRANSFORMER, AUDIO: TURNS RATIO: 2.46:1. CONSISTS OF 3350 TURNS #30C WIRE TAPPED AT 1360 TURNS. 275±10% OHMS DC RES. IMPEDANCE 10000 OHMS TAPPED AT 165C OHMS. FREQUENCY RESPONSE FLAT ±2DB OVER RANGE OF 250 TO 4000- 5/10/44 CS32d CKV:A-63224 AUG. 44 REV 0	DOUBLE COTTON WIRE, 0.03 OHMS DC RESISTANCE. TEST VOLTAGE 4000 VOLTS RMS TO GROUND.		*SEE BELOW RE 13A 871A POWER TRANSFORMER: PRIMARY: 220/440 VOLTS, 1Φ, 60-, TAPPED AT 212.5, 220, 227.5, 425, 440, AND 455 VOLTS. EACH PRIMARY CONSISTS OF 69 TURNS OF #9 SO. PC WIRE, 0.105 OHMS DC RES. 11 AMPS. SECONDARY: 115/1760 5 KVA, CONSISTS *GEN. USE, NXSR-56784 6/22/44 PD: CAOU:TC-205858 MAY 45			

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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Class 30—Transformers and Reactors

3.30-67

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CAOU 301256
OF 35 TURNS DOUBLE 0.21" X 0.128" PC
WIRE 0.1177 OHMS DC RES., 43.5 AMPS.
ELECTRO STATICALLY SHIELDED, 55°C RISE
AT 40°C AMBIENT TEMP.

CFX- 301261 DAS-3
POWER TRANSFORMER:
PRI: 105-130/1760, 350 TURNS #228 & S
GA., DC RESISTANCE 3.7Ω, SEC #1: 600V 80
MA, CT, 1920 TURNS #32 B & S GA, DC RE-
SISTANCE 165Ω. SEC #2: 5V 2 AMP, 16 1/2
TURNS #18 B & S GA., DC RESISTANCE .08Ω.
SEC #3: 6.3V, 3 AMP., 20 1/2 TURNS #17
7/3/44 10929 (CFE)40.109-B
AUG. 44 ISSUE B

CAT- 301267
AMPS .026Ω DC RES., 5 TURNS #18E WIRE,
CT; PRIMARY CURRENT AMPERES 1.35.

CKT- 301257 GEN. USE
POWER TRANSFORMER:
PRIMARY 115/1760. SECONDARY: (1) 580±20
VOLTS, 150 MA DC, CENTER TAPPED. (2)
5±0.2 VOLTS 3 AMP (3) 6.3±0.20 VOLTS,
5 AMPS.

CFX- 301261
B & S GA., DC RESISTANCE .081Ω.

CAT- 301268 MK 31
TRANSFORMER POWER:
PRI: 115/1400 TO 2400; 9.40Ω DC RES.
488 TURNS #27E WIRE SEC #1: 910 VOLTS
.031 AMPS, 960Ω DC RES, APPROX. 4025
TURNS #38E WIRE, CT. SEC #2: 6.4 VOLTS
0.6 AMPS, 0.42Ω DC RES. 29 TURNS #25E
WIRE, SEC. #3: 6.4 VOLTS, 1.65 AMPS,
7/5/44 CAT:SPEC32653 CW:ESO-663051,
AUG. 44 ISS 1 KS-9555

6/24/44 S-16497 CHZ:TR-1007
AUG. 44 REV 0

CG- 301258 X-TOP-1 RE12A553
FILAMENT TRANSFORMER:
RATED 7.5 VA. TWO PRIMARY WINDINGS FOR
115/230, 50/60 CYCLES. SECONDARY 2.5V.
3 AMPS. PRIMARY TOTAL TURNS, 1990,
0.0055" WIRE, 259 OHMS TOTAL RESISTANCE.
SECONDARY: 26 TURNS 0.042" WIRE; 0.0836
OHMS RESISTANCE. SEC. INSULATION TO
6/29/44 CG:M-7472414 CG:M-7472414
AUG. 44 REV 0

CLV- 301262 MK 31
RETARDATION COIL:
RATED NOT LESS THAN 1.70 HENRIES AT
250±5 VOLTS, 800±40~ WITH 0.140 AMP. DC.
±2% THROUGH WINDING. 2640 TURNS OF #32E
WIRE, 165~ DC. RES.
*CW:ESO-654382 ISS. 2. KS-9244

CAT- 301269
0.15Ω DC RES. 29 TURNS #20E WIRE CT.
SEC. #4: 6.4 VOLTS 0.6 AMPS, 0.43Ω DC
RES. 29 TURNS #25E WIRE, PRIMARY CURRENT
AMPERES 0.32.

7/4/44 KS-9244 *SEE ABOVE
AUG. 44 (CLV OR CW)

CG- 301258
GROUND 1 KV. HERMETICALL SEALED.

CADF- 301262 MK31
RETARDATION COIL:
OPEN CIRCUIT INDUCTANCE RATED NOT LESS
THAN 35 HENRIES AT 100 VOLTS, 1000 CYCLES
PER SECOND ±2% WITH 1 MA. DC THROUGH
WINDING. 5500 TURNS #40E WIRE, 1520 OHMS
DC RESISTANCE.
*CW:ESO-662702,ISS.1 KS-9561
7/4/44 425-C-18 *SEE ABOVE
AUG. 44 (CADF)

CAT- 301269 MK 31
TRANSFORMER, POWER:
PRI: 115/1400 TO 2400, 2.20Ω DC RES.
222 TURNS #23E WIRE SEC #1: 1170 VOLTS,
0.09 AMPS, 240.0Ω DC RES APPROX. 2260
TURNS #33E WIRE, CT. SEC #2: 5 VOLTS,
2.0 AMPS, 0.045Ω DC RES. 10 TURNS #19E
WIRE, SEC #3: 6.5 VOLTS, 1.2 AMPS, 0.06Ω
7/4/44 CAT:SPEC32657 CW:ESO-663315
AUG. 44 ISS 1 KS-9557

CW- 301259 MK 22 RADAR
POWER TRANSFORMER:
PRIMARY 115/1400, 410 TURNS OF #25E
WIRE, 4.5Ω DC. RES. SEC. #1: 2.5V, 5.0
AMP, 10 TURNS OF #16 DC WIRE, 0.04Ω DC
RES. VOLTAGE TO GROUND +5500V DC. SEC.
#2: 5200V, 0.002 AMP, APPROX. 19000
TURNS OF #37 OR #38E.S. WIRE, DUOLATER-
6/30/44 CW:D-163253 ESA-664175
AUG. 44 ISSUE 1

CAT- 301264 MK 31
RETARDATION COIL:
RATED NOT LESS THAN 0.75 HENRIES AT 20±
1.0 VOLTS, 800±40 CYCLES PER SECOND WITH
0.190±0.004 AMP. DC THROUGH WINDING.
1620 TURNS # 29E WIRE, 48 OHMS DC RES.
*CW:ESO-662811,ISS 1 KS-9554
7/4/44 SPEC.32652 *SEE ABOVE
AUG. 44 (CAT)

CAT- 301269
ΩDC. RES. 13 TURNS #19E WIRE, CT. PRI-
MARY CURRENT AMPERES 0.85.

CW- 301259
ALLY WOUND, 9000Ω DC RES. V. LTAGE TO GRD
-1000V, DC.

CSY- 301265 MK 31
TRANSFORMER-FILAMENT:
PRI: 115/1400; 4.80Ω DC RES. APPROX.
515 TURNS # 25E WIRE SEC #1: 6.4 VOLTS,
8.4 AMP. 0.02Ω DC RES. 30 TURNS #15E
WIRE, CT. WOUND AS A PARALLELED PAIR, SEC
#2: 6.4V, 0.6 AMP, 0.4ΩDC RES. 30 TURNS
#24E WIRE CT. PRIMARY CURRENT-AMP 0.54.
7/5/44 732-013 CW:ESO-649451
AUG. 44 (CSY) KS9090

CW- 301270 MK-31
INPUT TRANSFORMER:
PRI: 15 TURNS # 26EN WIRE, 0.16Ω DC RES.
SEC (3-4), (5-6) EACH 76 TURNS #26EN WIRE.
WINDING 3-4 0.70Ω DC RES, WINDING 5-6
0.75Ω DC RES. WINDING 7-8 3 TURNS #22M
WIRE 0.02Ω DC RES. INPUT IMPEDANCE IS
40Ω BETWEEN TERMINALS 1-2. OUTPUT 1000Ω
7/5/44 CW:KS-9565 CW:ESO-663370
AUG. 44 ISSUE 1

CW- 301260 MK 22 RADAR
FILAMENT TRANSFORMER:
PRI: 115/1400, 0.495 AMP, 4.12Ω DC RES.
APPROX. 512.5 TURNS #25E. WIRE, SEC. #5V
4A, 0.034Ω DC RES., 24 TURNS OF #16E
WIRE, SEC. #2: 6.3V, 2A, 0.096Ω DC RES.
30 TURNS #19E WIRE, SEC. #3: 5V, 2A,
0.084Ω DC RES., 24 TURNS OF #19E WIRE.
7/1/44 CW:D-163352 BA-100743
AUG. 44 ISSUE 1

CAT- 301266 MK 31
TRANSFORMER-FILAMENT:
PRI: 115/1400 TO 2400; 12.20Ω DC RES.
APPROX. 548 TURNS #28E WIRE SEC #1: 8.2
VOLTS, 1.25 AMPS, 0.170Ω DC RES. 41 TURNS
#21E WIRE SEC #2: 6.35 VOLTS, 1.5 AMPS,
0.155Ω DC RES. 32 TURNS #21E WIRE, PRI.
CURRENT AMPERES 0.22.
7/5/44 CAT:SPEC32651 CW:ESO-662931
AUG. 44 ISS. 1 KS-9553

CW- 301270
WITH WINDINGS BETWEEN TERMINALS 5-4 AND
5-6 IN PARALLEL. WINDING BETWEEN TER-
MINALS 7 AND 8 SYNCHRONIZING WINDING
IMPEDANCE LEVEL OF 1.6Ω. TURN #7 GROUND-
ED TO CASE INTERNALLY.

CW- 301260
SEC #4: 6.3V, 0.5A, 0.368Ω DC P'S, 30
TURNS OF #24E WIRE.

CAT- 301267 MARK 31
TRANSFORMER, POWER:
PRI: 115/1400 TO 2400; 0.43Ω DC RES.
88 TURNS #19E WIRE, SEC #1: 900 VOLTS,
0.188 AMPS, 34.0Ω DC RES. APPROX. 705
TURNS #29E WIRE, CT. SEC #2: 5.1 VOLTS,
2.0 AMPS, .020ΩDC RES. 4 TURNS #18E WIRE.
PRIMARY CURRENT, SEC #3: 6.4 VOLTS, 2.5
7/5/44 (CAT) SPEC. (CW)ESO-663292
AUG. 44 32654 ISS. 4 KS-9558

CAT- 301271 MK 31
TRANSFORMER-POWER:
PRI: 115/1400 TO 2400, 2.60Ω DC RES.
APPROX., 225 TURNS #25E. SEC #1: 6.4
VOLTS, 4.0 AMPS, .028Ω DC RES., 13 TURNS
OF #19E WIRE (WOUND AS PARALLEL PAIR)
SEC #2: 1125 VOLTS, .008 AMPS, 615Ω DC
RES., APPROX. 2215 TURNS #38E WIRE, SEC
7/5/44 (CAT)32656 CW:ESO-663009
AUG. 44 ISS. 1 KS-9556

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CAT-301271
#3: 2.5 VOLTS, 1.75 AMPS. .030Ω DC RES, 5 TURNS #20E WIRE. SEC #4: 6.4 VOLTS, 0.6 AMPS, 0.200Ω DC RES 13 TURNS #24E WIRE. PRIMARY CURRENT AMPERES 0.50.

CRB-301272 LAF
CHOKER:
INDUCTANCE 20 HENRIES ±20% AT NO LOAD, DC RESISTANCE, 25C OHMS 110X MAX. CURRENT, 100 MA. WINDING DATA: 4160 TURNS OF #30E WIRE. INSULATION RESISTANCE BETWEEN WINDING AND HOUSING TO BE GREATER THAN 1 MEGOHM. VOLTAGE SUPPORTING ABILITY 7/6/44
AUG. 44

CRB-301272
BETWEEN TERMINALS AND FROM EITHER TERMINAL TO HOUSING TO BE AT LEAST 2000V DC.

CRB-301273 LAF
TRANSFORMER:
PRI: 115 VOLTS TAPPED AT 105V. 50-60 CYCLES; 235 TURNS #21E WIRE TAPPED AT 25 TURNS SEC 1/2/3/4: 700 CT/5/6/3/6.3 VOLTS; 150 MA DC/4/5/1 AMP; 1640 CT/12/15/15 TURNS; #21E/11E/15E/11E EN WIRE.
7/6/44
AUG. 44

CADF-301274 RCK
TRANSFORMER, POWER:
PRI: 110/115/120V, 60 CYCLES, 1.3 AMPS., SINGLE PHASE, 15.4 OHMS DC RES. 152 VA 263 1/2 TURNS #19E WIRE, TAPPED AT 241 1/2 AND 251 1/2 TURNS. SEC #1: 550 VOLTS 0.120 AMPS, 124.4Ω DC RES. 1280 TURNS #30E WIRE CENTER TAPPED, SEC #2: 6.3V, 7/7/44 454P5
AUG. 44

CADF-301274
11.1 AMPS, 0.04Ω DC RES., 15 TURNS #12 DCC SQUARE WIRE, CT, SEC #3: 17V, 1.2 AMPS, 0.42Ω DC RES; 40 TURNS #20E WIRE. SEC #4: 5V, 3 AMPS 0.11Ω DC RES. 12 TURNS #18E WIRE; 240 VOLTS TO GRD. ELECTROSTATIC SHIELD BETWEEN PRI: AND SEC #1.

CADF-301275 RCK
REACTOR FILTER:
RATED 8 HENRIES AT 5V 1000 CYCLES, 0.120 AMPS DC. TAPPED AT 3.8 MILLIHENRIES 5 VOLTS 1000 CYCLES 2800 TURNS # 28E WIRE TAPPED AT 2746 TURNS. DC RES. TOTAL 110Ω TAPPED AT 4Ω TEST VOLTAGE 1500 RMS.
7/7/44 454C5
AUG. 44

CUT-301276 TBX-8
TRANSFORMER, IMPEDANCE MATCHING: IMPEDANCE RATIO 60/110000 OHMS. PRI: 600 TURNS #38FX WIRE, 33 TO 50 OHMS DC RES. SEC. 6000 TURNS #42FX WIRE, 1320 TO 1880 OHMS DC RES. FREQUENCY CHARACTERISTICS: ±20% OF 100- VALUE
#CG:7473552, REV 0
7/7/44 CUT:81748
FEB. 45

CUT-301276
FROM 200-3000-

CFX-301277 DAS-3
TRANSFORMER:
BLOCKING TRANSFORMER. PRIM 3.7 OHMS DC RES. 18.3 MH. 100 TURNS #32 (.008") B & S GA. EN. WIRE SECONDARY: 8 OHMS DC RES; 85 MH; 200 TURNS #32 (.008") B & S EN. WIRE.
7/7/44 11793
AUG. 44

CUT-301278 TBX-8
AUDIO-CHOKER:
TERMINALS P & G 40 HENRIES MIN. AT 12.5 MA, DC 20V/15/60 CYCLES. TERMINALS P & B 10 HENRIES MIN. AT 25 MA DC 10V/15/60 CYCLES TERMINALS P TO B 725Ω DC RES. TERMINALS P TO G 2575Ω DC RES. 14000 TURNS #CG:7473550, REV 0
7/7/44 CUT:31749
FEB. 45

CT #42FX WIRE.
CUT-301278

CW-301279 MK 22
TRANSFORMER FILAMENT:
PRI: (1-2): 1050 TURNS, APPROX. #29E WIRE. 23.1 OHMS DC RES. 115 VOLTS, 0.11 AMPS. 400-2400 CPS. SEC #1 (3-4) 64 TURNS, #22E WIRE, 6.3 VOLTS, 0.9 AMPS. SEC #2 (3-5): 78 TURNS, #22 WIRE, 0.52 OHMS DC RES 7.7 VOLTS; 0.355 AMPS.
7/14/44 D-166333
AUG. 44

CW-301290 MK 22
TRANSFORMER FILAMENT:
PRI: (1-2): APPROX. 1055 TURNS, #31E WIRE, 43.3 OHMS DC RES. 115 VOLTS, 0.17 AMPS SEC (3-5): 164 TURNS, #23E WIRE, 1.16 OHMS DC RES; 15.35 VOLTS, 1.0 AMP. TERM 4 IS CT FOR WINDING (3-5).
7/15/44 D-166334
AUG. 44

CAKY-301281 MK 22
RETARDATION COIL:
RATED NOT LESS THAN 0.75 HENRY AT 20 ± 0.4 VOLTS, 80±40CPS, WITH 0.4±0.008 AMPS DC THRU WINDING. 2185 TURNS #26E WIRE, 38.5 OHMS DC RES MAX. AT 60°F.
7/15/44 2838
AUG. 44

CCV-301292 MK 13
TRANSFORMER FILAMENT:
PRI: (1-2): APPROX. 348 TURNS, #22E WIRE 3.6Ω DC RES. MAX 115V 50-60-. SEC (3-4) 21 TURNS # 16E WIRE, .067 OHMS DC RES. 6.4 V 4.5A; (5-6) 21 TURNS #16E WIRE, .070Ω DC RES MAX. 6.4V. 4.5A; (7-9) 21 TURNS #16E WIRE, .075Ω DC RES. MAX 6.4V, 4.5A. TERM 4 IS CT FOR WINDING (3-5).
7/15/44 T-7056
AUG. 44

CCV-301292
MIAL 8 IS CENTER TAB OF WINDING (7-9); (10-12) 21 TURNS #16E WIRE, .070Ω DC RES 6.4V., 4.5A TERMINAL 11 IS CENTER TAB OF WINDING (10-12).

CCV-301293 MK 13
TRANSFORMER FILAMENT:
PRI: (1-2) APPROX. 755 TURNS #25E WIRE; 13.0Ω DC RES MAX. 115V. 50-60- SEC (3-4) 47 TURNS #17E WIRE, .068Ω DC RES MAX. 6.3V, 6.6A.
#(CCV)T-7606, (CSY)731-011, (CSN)425P7
7/17/44 *SEE ABOVE. CW:ESO-645886
AUG. 44 ISS 4

CAT-301294 MK 31
TRANSFORMER INPUT:
TURNED RATIO 1:29 IMPEDANCE RATIO 1:84 BETWEEN WINDINGS 1-2 AND 3-4 AND THE SAME BETWEEN WINDINGS 1-2 AND 5-6. PRI: (1-2) 485 TURNS #31E WIRE, 14.5Ω DC RES. SEC (3-4) 1400 TURNS #35E WIRE, 145Ω DC RES. #CW:ESO-663080 ISS 1 KS-9562 ISS 1
7/17/44 CAT SPEC 32650 *SEE ABOVE
AUG. 44

CAT-301294
RES. SEC: (5-6) 1400 TURNS #35E WIRE, 190Ω DC RES. INTENDED FOR USE AS A LOW VOLTAGE BLOCKING OSCILLATOR INPUT TRANSFORMER WITH A JAN 6S47GT VACUUM TUBE. PRI. INDUCTANCE 0.12 HENRY AT 900CPS±2% WITH 3 VOLTS ACROSS WINDING.

CAT-301295 MK 31
TRANSFORMER INPUT:
IMPEDANCE RATIO OF 1:1 BETWEEN WINDINGS (1-2) AND (3-4). PRI: (1-2) 75 TURNS #37E WIRE, 5Ω DC RESISTANCE. SEC: (3-4) 75 TURNS #37E WIRE, 6 OHMS DC RESISTANCE. OPERATED IN A BLOCKING OSCILLATOR #CW:ESO-662866 ISS 1. KS-9564 ISS 1
7/17/44, CAT:SPEC 32655 *SEE ABOVE
AUG. 44

CAT-301295
CIRCUIT. THE EFFECTIVE INDUCTANCE OF PRI. IS 1.0 MILLIHENRY AT 1000CPS WITH 1 VOLT ON WINDING.

CW-301296 MK 13
TRANSFORMER OUTPUT:
ELECTROSTATICALLY SHIELDED. IMPEDANCE RATIO OF 4000:50 OHMS. FREQUENCY RANGE FROM 50 CPS TO 125 KC PER SECOND. PRI: HAS APPROX. 140 TURNS OF 19 #38GA.E STRANDED DN WIRE WHICH HAS A MAX. DC RES. OF 1.5 OHMS SEC: HAS APPROX. 1252
7/17/44 CW:D-169299
AUG. 44

CW-301296
TURNS OF #32CAEN WIRE WITH MAX. DC RESISTANCE OF 78.0 OHMS.

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED
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Class 30—Transformers and Reactors

3.30-69

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION															
CJE- CTH- 301287 MK 13 RETARDATION COIL: INDUCTANCE 10 HENRIES AT 25 VOLTS ±2% 60 CPS. AND 06 AMPS ±2% DC. APPROX. 4320 TURNS OF #34 GA. E WIRE WHICH HAS 400 OHMS DC RESISTANCE.	7/17/44	CJE:CTH: AUG. 44	CLV 301231 2800 TURNS #36 E WIRE. SECONDARY (3-4) WOUND AS A PARALLEL PAIR. TERMINAL 6 IS A TAP APPROXIMATELY 1460 TURNS FROM TERMINAL 5 AT APPROXIMATELY 625 VOLTS. TERMINAL 5 IS CONNECTED TO CORE.	CG-301297 MK 33 MOD 0 RE 13A 553 TRANSFORMER: 60 CYCLES. 0.013 KVA. INPUT APPROX. 0.161 AMPS ALL COILS 1500V HIPOT. PRI: 115 VOLTS. SEC #1/SEC #2/SEC #3/SEC #4 IS 6.3/6.3/6.3/6.3 VOLTS AND 0.6/0.6/0.6/ 0.3 AMP. PRI-1005 TURNS .0113"E WIRE 28.9 OHMS RESISTANCE SEC #1/SEC #2/ 7/24/44 (CG)M-7472438 (CG)M-7472438 AUG. 44 REV 1	CG-301297 SEC #3 IS 63/63/63 TURNS OF .0201"E/ .0201"E WIRE #4 IS 63 TURNS OF .0142"E WIRE. SEC #1 IS 0.691 OHMS RESISTANCE. SEC #2 IS 0.748 OHMS RESISTANCE. SEC #3 IS 0.0803 OHM RESISTANCE. SEC #4 IS 1.698 OHMS RESISTANCE.	CAT- 301288 MK 31 AUTO TRANSFORMER: TURNS RATIO 1:4 BETWEEN WINDINGS (1-2) AND (1-3). VOLTAGE TRANSFORMATION RATIO OF 1:3.3 MAXIMUM AND 1:2.9 MINIMUM BE- TWEEN WINDINGS (1-2) AND (2-3) AT 1000 CPS ±5% WITH 3 VOLTS ACROSS WINDING *CW:K0-10027 ISS 1 KS-9563 ISS 1 7/17/44 CAT:32696 *SEE ABOVE AUG. 44	CPU301292 LAF TRANSFORMER POWER PRI: 115 VOLTS, 0.8 AMP. 4.5Ω DC RESIS- TANCE. 349 TURNS #22 WIRE. SEC #1: 700 VOLTS, 0.100 AMP. 110.0Ω DC RESISTANCE. 2200 TURNS #29 WIRE, CENTER-TAPPED. SEC #2: 6.3 VOLTS 4.8 AMP. 0.17Ω DC RESISTANCE. 21 TURNS #15 WIRE. 7/20/44 CPU:5300 CABL:38682 NOV. 44 REV 0	CG-301298 MK 33 MOD 0 RE-13A-553 TRANSFORMER: 60 CYCLES. 0.045 KVA. INPUT CURRENT 0.32 A. PRI: 115 VOLTS. 702 TURNS .0179"E WIRE 9.74 OHMS RESISTANCE 1500V HIPOT. SEC #1 1000/500 VOLTS. 0.0354 AMPS. RMS. CT. 6800 TURNS .0056"E WIRE 1270 OHMS RESIS- TANCE. SEC #2: 5/2.5 VOLTS. 2 AMPS. CT. 7/24/44 CG:H-7472439 CG:7472439 AUG. 44 REV 1	CAT- 301289 WINDING (1-3) 720 TURNS #36EN WIRE. 72 Ω DC RES. TERMINAL 2 IS 180 TURNS FROM TERMINAL 1. WINDING (1-2) 180Ω DC RES. INTENDED TO SUPPLY VOLTAGE PEAKS OF 3500 VOLTS ACROSS WINDING (1-3) WHEN OPERATING FROM JAN807 TUBE.	CPU- 301293 LAF TRANSFORMER. OSCILLATOR: PRIMARY (TO GRID) 10.05Ω DC RESISTANCE. 540 TURNS #29 WIRE 0.25 AMPERES. AND 2.6 VOLTS. SECONDARY (TO ANODE) 1.5Ω DC RESISTANCE. 60 TURNS #29 WIRE. 0.25 AMPERES. 0.375 VOLTS DC. 7/20/44 CPU:885 CABL:38684 FEB. 45 REV 0	CG-301299 MK 33 MOD 0 RE-13A-553 TRANSFORMER, AUDIO: VOLTAGE RATIO OF PRI. TO SEC. IS 1 TO 3 1/2. PRI. 2912 TURNS .0031"E WIRE 985 OHMS RESISTANCE. SEC 10200 TURNS. .0031" E WIRE 4440 OHMS RESISTANCE. BOTH COILS 1000V HIPOT. PRI .003 AMPS DC. 7/24/44 CG:H-7472440 CG:M-7472440 AUG. 44 REV 1	CADP301289 MARK 22 TRANSFORMER POWER PRI: 115/1/400. 1.35 AMP. 0.73Ω DC RES., APPROXIMATELY 179 TURNS #20 E WIRE. SEC #1: 27 VOLTS. 4.3 AMP. 0.060Ω DC RESISTANCE. 43 TURNS #14E WIRE. SEC. #2: 6.3 VOLTS. 2.9 AMP. 0.027Ω DC RESISTANCE *CW:ESO-645409 ISSUE 7. 7/18/44 CADP:425-P-18 KS-8584 ISS 2 NOV. 44 APP. 1 *C ABOVE	CPU- 301294 LAF REACTOR (FILTER CHOKE): RATED 8.5 HENRIES AT 0.120 AMPS. DC PEAK VOLTAGE TO GROUND IS 1500 VOLTS. 2700 TURNS OF #29 WIRE. 140Ω DC RESISTANCE. BREAKDOWN TEST: WINDING TO CORE 1500 VOLTS; 250 VOLTS, 500- FOR 1/2 MINUTE BE- TWEEN TERMINALS OF WINDING. 7/20/44 CPU:13601 CABL:38683 AUG. 44 REV 0	CG-301299 MK 33 MOD 0 RE-13A-553 TRANSFORMER, AUDIO: VOLTAGE RATIO OF PRI. TO SEC. IS 1 TO 3 1/2. PRI. 2912 TURNS .0031"E WIRE 985 OHMS RESISTANCE. SEC 10200 TURNS. .0031" E WIRE 4440 OHMS RESISTANCE. BOTH COILS 1000V HIPOT. PRI .003 AMPS DC. 7/24/44 CG:H-7472440 CG:M-7472440 AUG. 44 REV 1	CAKY 301290 MARK 22 TRANSFORMER POWER PRI: (1-4) 115/1/400. 2.85 AMP. 0.23Ω DC RES., 93 TURNS #16 E WIRE, TAPPED AT 74 AND AT 85 TURNS FOR TERMINALS 2 AND 3. SEC: (5-7) 780 VOLTS. 4.2 AMP. 18.9Ω DC RESISTANCE. APPROXIMATELY 646 TURNS *CW:ESO-645585 ISSUE 2 7/18/44 CAKY:2839 KS-8286 ISS 1 NOV. 44 APP 1&2 *C ABOVE	CFX- 301295 DAS-3 TRANSFORMER POWER: PRIMARY 105-150/1/60. SEC #1/2/3/4/5/6/ 7/8/. 1490 (TAPPED AT 390 AND 780/2.5/ 2.5/5/2.5/6.3/6.3 VOLTS. 5 MA/2/2/3/5/8/ 6/0.8 AMPS. SEC #8 SHIELDED. PRIMARY DC RESISTANCE: 1.32Ω SEC. DC RESISTANCE 559/.0587/.0587/.057/.057/.057/.22Ω. PRI: 7/21/44 11851 (CFE)40.125-0 AUG. 44 ISS. D	CG-301300 MK 33 MOD 0 RE 13A 553 TRANSFORMER: 0.0078 KVA. INPUT CURRENT APPROX. 0.186 AMPS. PRI: 115 VOLTS. 60 CYCLES. 649 TURNS 0.126"E WIRE. 18 OHMS RESISTANCE. SEC #1: 1500 VOLTS. 0.001 AMPS. 8940 TURNS .0031"E WIRE. 4880 OHMS RESISTANCE. SEC #2: 6.3 VOLTS 1.0 AMPS; 39 TURNS 7/24/44 (CG)M-7471955 (CG)M-7471955 AUG. 44 REV. 1	CAKY 301290 #26 E WIRE. CENTER TAPPED FOR TERMINAL 6. WITH 115 VOLTS 400 CPS APPLIED TO WINDINGS (1-2) OR (1-3). WINDING (5-7) DELIVERS 0.42 AMP. AT 990 OR 875 VOLTS RESPECTIVELY.	CFX- 301295 216 TURNS OF #18 B & S GA; SEC: 1370 TURNS 36 AND 1540 TURNS OF #31 B & S GA WIRE/13/13/13/10/5/5/5 TURNS OF #21.13, 13.17,14,18,18 B & S GA WIRE.	CG-301300 MK 33 MOD 0 RE 13A 553 TRANSFORMER: 0.0655 KVA. PRI: 115 VOLTS. 60 CYCLES. 407 TURNS .0253"E WIRE 39 OHMS RESISTAN- CE. SEC #1: 300 VOLTS. 0.050 AMPS. DC. CT. 1106 TURNS. 0071" WIRE. 157 OHMS RESISTANCE. SEC #2: 6.3 VOLTS. 6.5 AMPS AC. 24 TURNS .0546 WIRE .0355 OHMS RE- 7/24/44 (CG)M-7471956 (CG)M-7471956 AUG. 44 REV. 2	CLV 301291 MARK 22 TRANSFORMER, POWER PRI (1-2): 115/1/400 TO 2400. 0.55 AMP. 2.94 Ω DC RES., 264 TURNS #24 E WIRE. SEC. (3-4): 2.5 VOLTS, 5 AMP. 0.014Ω DC RESISTANCE. 6 TURNS #18E WIRE. SEC. (5-7) 1100 VOLTS. 0.05 AMP. 472Ω DC RESISTANCE *CW:ESO-656583 ISS 5 7/16/44 CLV:KS-9336 KS-9336 ISS 1 NOV. 44 APP 1,2,3&4 *	CG-301296 MK 33 MOD 0 RE13A-553 REACTOR: INDUCTANCE AT 88.5V. 60 CYCLES AND .050 AC DC IS 20 HENRIES MIN. 2800 TURNS. .0100"E WIRE, 166 OHMS RESISTANCE .2000V HIPOT. 7/24/44 CG:M-7472437 CG:M-7472437 AUG. 44 REV 1	CG-301301 MK 33 MOD 0 RE 13A 553 TRANSFORMER: 0.0655 KVA. PRI: 115 VOLTS. 60 CYCLES. 407 TURNS .0253"E WIRE 39 OHMS RESISTAN- CE. SEC #1: 300 VOLTS. 0.050 AMPS. DC. CT. 1106 TURNS. 0071" WIRE. 157 OHMS RESISTANCE. SEC #2: 6.3 VOLTS. 6.5 AMPS AC. 24 TURNS .0546 WIRE .0355 OHMS RE- 7/24/44 (CG)M-7471956 (CG)M-7471956 AUG. 44 REV. 2

RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CG-301301
 DISTANCE. SEC #3: 6.3 VOLTS, 2.2 AMPS AC
 24 TURNS .0490" WIRE .0375 OHMS RESIS-
 TANCE. HIPOT 1500V ALL COILS. INPUT 0.69
 AMPS.

CG-301306
 TURNS 0.0113" WIRE. 330 OHMS DC RES.

CAT-301311 RADAR MK 31
 FILAMENT TRANSFORMER:
 PRI. (1-2) 115/1/400 TO 800; 12.9Ω DC RES
 417 (APPROX.) TURNS, #30 E WIRE; SEC
 (3-4): 2.6 VOLTS, 6.0 AMPS, .0165Ω DC RES.
 10 TURNS, .010 X .250 COPPER SHUNT. EL-
 ECTROSTATIC SHIELD BETWEEN PRI. AND SEC.
 *CN:80-100357 ISS 1, KS-9559 ISS 1
 7/29/44 CAT:32695 *SEE ABOVE
 AUG. 44

CG-301302 MK 33 MOD 0 RE 13A 553
 TRANSFORMER:
 0.0225 KVA. PRI. 115 VOLTS, 60 CYCLES.
 545 TURNS .0159" WIRE, 11 OHMS RESIS-
 TANCE. SEC #1: 2.5 VOLTS, 3 AMPS, 26
 TURNS .0490" WIRE .0738 OHM RESISTANCE.
 SEC #2: 5 VOLTS, 3 AMPS, 13 TURNS .0508"
 E WIRE .0396 OHMS RESISTANCE. HIPOT PRI
 7/24/44 (CG)M-7471996 (CG)M-7471996
 AUG. 44 REV. 2

CHX-301307 CMX-49131-E RE-13A-553
 TRANSFORMER INPUT:
 OPERATION FROM 600Ω LINE TO 50,000Ω.
 TURNS RATIO FULL PRI. TO FULL SEC. 1 TO
 9.38. PRI: 480 TURNS #33E WIRE, 29 OHMS
 DC RESISTANCE CENTERTAPPED. SEC #1 #2250
 TURNS, #41E WIRE, .856 OHMS DC RESISTANCE
 SEC #2: WOUND WITH START AT FINISH OF
 7/26/44 CMX-16A122G2 CHX:16A122G2
 AUG. 44 REV 5

CAT-301311
 WINDINGS CONNECTED TO CORE.

CG-301302
 & SEC #1, 1500V. SEC #2 4000V. INPUT
 APPROX. 0.26 AMPS.

CHX-301307
 SEC #1 AND IS SAME EXCEPT 1028 OHMS DC
 RESISTANCE. WOUND SUCH THAT MAX. COUPL-
 ING IS OBTAINED. ELECTROSTATIC SHIELD NOT
 REQUIRED. INDUCTIVE SYMMETRY IS MAIN-
 TAINED. DOES NOT RETURN RESISTIVE SYM-
 METRY OTHERWISE SAME AS NAVY TYPE
 -30765.

CAT-301312 RADAR MK 31
 POWER TRANSFORMER:
 PRI. (1-4): 115/1/400 TO 800; 0.920Ω DC
 RES; 156 TURNS, #21 E WIRE. SEC (5-6):
 1350 VOLTS; .057 AMPS; 405Ω DC RES. 1830
 TURNS, #36 E WIRE. SEC. (6-7): 1350 VOLTS
 .05 AMP; 440Ω DC RES; 1830 TURNS, #36 E
 *CN:80-100442 ISS 2 KS-9560 ISS 1 APP 1&2
 7/29/44 CAT:32694 *SEE ABOVE
 AUG. 44

CRP-301303 HK 33 MOD 0
 TRANSFORMER:
 OPERATION FROM 50 TO 10,000 OHMS TURNS
 RATIO FULL PRIMARY TO SECONDARY 1 TO 7.3.
 PRI: 66 TURNS 2 X 27E WIRE, .330 OHMS DC.
 SEC: 480 TURNS #38E WIRE, 66 OHMS DC.
 HERMETICALLY SEALED.
 *CG:M-7472929 REV 1 DU92-695-1 REV 4
 7/24/44 CRP-UX-7396 *SEE ABOVE
 MAY 45

CHX-301308 CHX-49131-E RE-13A-553
 TRANSFORMER OUTPUT:
 OPERATION FROM 5000Ω TO 15Ω. TURNS RATIO
 FULL PRI. TO SEC IS 17.8 TO 1. PRI: 1440
 TURNS CT #34E WIRE, 104Ω±10% DC RESIS-
 TANCE. SEC: 81 TURNS #23E WIRE, 0.57Ω DC
 RESISTANCE. PRI. IMPEDANCE AT 3 VOLTS,
 60 CYCLES, AND 0 AMPS. DC IS 2830Ω
 7/26/44 CMX-16A123G2 CHX-16A123G2
 AUG. 44 REV 5

CAT-301312
 WIRE. ELECTROSTATIC SHIELD BETWEEN PRI.
 AND SEC. WINDINGS CONNECTED TO CORE.
 TERMINAL 6 IS CENTER TAP FOR WINDING
 (5-7) AND OPERATES AT 50 VOLTS MAX.
 ABOVE GROUND.

CG-301304 SC-4
 TRANSFORMER:
 0.015 KVA, 60 CYCLES. SINGLE PHASE. PRI.
 110 VOLTS; SEC: 5 VOLTS, 3 AMPS. 2500
 VOLTS TEST BOTH HV & LV TO GROUND.

CHX-301309
 MINIMUM. SIMILAR TO -30766 EXCEPT
 LAMINATIONS ARE INTERLEAVED 3 X 3 IN-
 STEAD OF BEING STACKED WITH A ONE-ONE
 THOUSANDTH AIR GAP TO INCREASE THE IN-
 DUCTIVE REACTANCE.

CAFT-301313 AN/APA-17A
 POWER TRANSFORMER:
 PRI: 115/1/400-2600. TAPPED AT 80V MAX-
 IMUM 21 VA. 10.6Ω DC RES. 260 TURNS
 TAPPED AT 181. #30E WIRE. SEC #1: 1350V
 2 MA DC, 2990Ω DC RESISTANCE. 3200
 TURNS, #42E WIRE. SEC #2/#3/#4 IS 2.5/
 6.3/2.5V AND 1.75/0.6/1.75 AMP. AND
 7/31/44 (CAFT)CS-5649 (CKB)36-A4017-2
 AUG. 44

CRV-301305 QCU
 TRANSFORMER:
 TURNS RATIO PRI/SEC-13.471. PRI. IMPED-
 ANCE @ 30V, 60~ AC, φ AMPS DC IS 8000Ω
 WIRE. RES. PRI/SEC-25.4Ω/0.25Ω. HI-POT.
 VOLTAGE-PRI-6000. SEC-1000. LEAKAGE IN-
 DUCTANCE @ 1 VOLT, 1000~. MEASURED ON
 PRI. WITH SEC. SHORTED -0.012 H MAX. SIM
 7/25/44 K-901771 K-901771
 AUG. 44

CRV-301309 CRV-49155
 OUTPUT TRANSFORMER:
 FULL PRI. IMPEDANCE AT 3V, 60 CYCLES. AC
 AND 0 AMPS DC. SHALL BE 5800Ω MIN. DC.
 RESISTANCE-FULL PRI. 266Ω. FULL SEC.
 0.675Ω. IMPEDANCE RATIO: FULL PRIMARY TO
 FULL SECONDARY IS 19.7 TO 1.
 (CONTRACT NXST-64103)
 7/27/44 901060-501 K-901060
 AUG. 44 REV 8

CAFT-301313
 0.070/0.190/0.080Ω DC RESISTANCE, AND
 6/15/76 TURNS OF #21E/#23E/#21E WIRE.

ILAR TO -30307-A.
 CRV-301305

UJ
 - 301310
 POWER TRANSFORMER:
 PRI: 115V AC, 60 CYCLES, 500 TURNS, #23
 WIRE. SEC #1-6.3V @ 1.2 AMPS, 30 TURNS.
 #19 WIRE. SEC #2-2.5V @ 1.75 AMPS, 12
 TURNS, #19 WIRE. SEC #3-2.5V @ 1.75 AMPS
 12 TURNS, #19 WIRE. SEC #4-2050V @ .005
 7/27/44 CDU:20-207 CDU:DD-1785-B-5
 FEB. 45 (CAEVI)T-28

CAFT 301314 AN/APA-17A
 AUTO TRANSFORMER:
 200 VOLTS TAPPED AT 26, 80 AND 115 VOLTS
 ±5% AT 300 TO 900 CYCLES & 80 VA. CON-
 SISTS OF 37 TURNS OF #17E WIRE & 247
 TURNS OF #23E WIRE TAPPED AT 81 AND 124
 TURNS.
 8/1/44 CAFT:CS-8035 (CKB)36-A4015-2
 AUG. 44

CG-301306 SC-4
 PEAKING TRANSFORMER:
 DESIGNED TO GIVE A STEEP VOLTAGE SLOPE
 FOR KEYING A TRANSMITTER. VOLTAGE RISE
 TO OCCUR ON 340 MICROSECONDS. RATED 0.135
 KVA. PRIMARY: 115/1/60. CONSISTS OF 600
 TURNS .032" WIRE, 4.17 OHMS DC RES. SE-
 CONDRARY: 625±12% VOLTS. CONSISTS OF 6200
 7/26/44 M-7469163 M-7469163
 AUG. 44 REV 4

301310
 AMPS: 9100 TURNS, #38 WIRE; ELECTRO-
 STATIC SHIELD.

CAFT-301315 AN/APA-17A
 FILTER CHOKE
 RATED 9 HENRIES AT 85 MA, 235 OHMS DC
 RESISTANCE, 3100 TURNS OF #33E WIRE.

8/1/44 (CAFT)CS-13869 (CKB)36-A4018-2
 OCT. 44

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED
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Class 30—Transformers and Reactors

3.30-71

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CAFT- 301316 AN/APA-17A POWER TRANSFORMER PRI: 115/17400-2600, TAPPED AT 80 VOLTS MAXIMUM OF 98 VA, 1.823Ω DC RESISTANCE, 104 TURNS OF #22 E WIRE, SEC #1: 1280 VOLTS, 75 MA DC CT, 287Ω DC RESISTANCE, 2160 TURNS #34 E WIRE, SEC #2: 6.3 VOLTS 3 AMP, 0.048Ω DC RESISTANCE, 11 TURNS 8/1/44 (CAFT)CS-5645 (CNB)36-A4016-2 OCT. 44			CAFT-301320 AN/APA-17 A.F. CHOKE: RATED 9 HENRIES MINUS 10% PLUS 254 AT 75 M.A. D.C., 600 VOLTS, 267 OHMS DC RESIS- TANCE, COIL WOUND WITH 3100 TURNS OF #33 ENAMEL WIRE.		RE-13A-553B & ADDENDUM 2 M.A. D.C., 600 VOLTS, 267 OHMS DC RESIS- TANCE, COIL WOUND WITH 3100 TURNS OF #33 ENAMEL WIRE.	CEO- 301325 LORAN (NXSM-67982 TRANSFORMER: PRIMARY - 430 TURNS, #24 WIRE, 5.5 OHMS DC RES., 115V, 60 WATTS, SEC 1 - 2400 TURNS, #33 WIRE, 310.0 OHMS DC RES., 300 VOLTS, 70 MA, CENTER TAPPED, SEC. 2 - 26 1/2 TURNS, #17 WIRE, .093 OHMS DC RES., 6.3 VOLTS; 3A. SEC. 3 - 20 1/2 TURNS, 8/16/44 EH-78 CME:C-238 OCT. 44		
#17 E WIRE, SEC #3: 5.0 VOLTS, 2 AMP, 0.055Ω DC RESISTANCE, 9 TURNS #19 E WIRE.		CAFT- 301316	CG- 301321 TCJ-2 TRANSFORMER, AUDIO: RATED PRI. TO SEC. #1: 3.2 TO 1; PRI TO SEC #2: 3.2 TO 1. SOURCE IMPEDANCE 5000Ω. SEC #1 LOAD IMPEDANCE 4000Ω, SEC #2 LOAD IMPEDANCE 1700Ω. SEC #1 #2 LOAD IMPEDANCE REFLECT 12000Ω TO PRI. PRI: 1858 TURNS 0.0056 WIRE, 260V ±12 1/2% 8/11/44 M-7472441 CG:M-7472441 MAY 45 REV 1		RE 13A 553	CEO- 301325 # 19 WIRE, .125 OHMS DC RES., 5 VOLTS, 2A.		
CG- 301317 HX 33 MOD 0 RE-15A553 TRANSFORMER PRI: 115/1760, 0.066 KVA, SEC: 160 VOLTS TAPPED AT 6 VOLTS, 140 VOLTS, AND 150 VOLTS. PRI - 480 TURNS .0179" E WIRE 7.3 OHMS DC RES. SEC A 28 TURNS .0385" E WIRE AND SEC B 722 TURNS .0113" E WIRE OF 34.917 OHM DC TOTAL RES. SEC TAPPED 8/7/44 (CG)CAT.80595 CG:K-5305499NC OCT. 44 REV 1		CG- 301317	CG-301321 DC RES. SEC. #1: 1470 TURNS 0.0056 WIRE, 176Ω ±12 1/2% DC RES. SEC #2: 574 TURNS 0.0056 WIRE, 91Ω ±12 1/2% DC RESISTANCE. HI POTENTIAL PRI: 2500V HI-POTENTIAL BOTH SEC. COILS: 1000V.		RE-15A553	CW- 301326 UE-1 TRANSFORMER, OUTPUT: PRIMARY - 760 TURNS, 31 GA. E WIRE, 32 Ω d-c RES. SEC. 2000 TURNS, 35 GA.E WIRE, 290Ω d-c RES. IMPEDANCE RATIO (1-2) TO (3-4) IS 600 OHMS TO 4150Ω AT 800 CYCLES. TRANSFORMATION RATIO SHALL NOT EXCEED 2.68:1 OR LESS THAN 2.58:1 WHEN MEA- 8/16/44 KS-9467 ESO-660838 FEB. 45 ISS. 1		
CG-301317 28, 650 AND 700 SEC A AND B CONNECTED AND COMMON LEAD BROUGHT OUT. PRI CUR- RENT 0.7 AMP APPROX. HIPOT 1500V.		CG-301317	CAFT- 301322 AN/APA-17 RE 13A553B POWER TRANSFORMER: PRI: 115/17400 TO 2600, 75 MA DC 1.90 OHMS DC RESISTANCE, PRI. #1: 104 TURNS #22 E WIRE, TAPPED AT 75 TURNS, PRI. #2: 60 TURNS #23 E WIRE, PRI. #3: 30 TURNS #23 E WIRE, SEC. #1: 1280 VOLTS, C.T., 75 M.A. DC, 2160 TURNS, C.T. #34E WIRE, 8/11/44 CNB:65008 CNB-65008 DEC. 44 REV. F		RE 13A 553B	CW- 301326 SURED AT 900 CPS±2% WITH APPROX 4.3 VOLTS ACROSS WINDING (3-4). ELECTROST- ATIC SHIELD BETWEEN PRIMARY (1-2) AND (3-4).		
CLV- 301318 MARK 22 TRANSFORMER, FILAMENT: PRI: 115/17400, 8.9Ω DC RESISTANCE, 0.350 A, APPROXIMATELY 375 TURNS OF #28E WIRE, SEC #1: 2.5 VOLTS, 5 AMPS, 0.018 OHMS DC RESISTANCE, 9 TURNS, #19E *CWE:SO-649463,ISS. 3 KS-9089 ISS 1 APP. 1.2,3,4. 8/8/44 CLV:KS-9089 *SEE ABOVE OCT. 44		CLV- 301318	CAFT- 301322 296 OHMS RESISTANCE, SEC #2/#3 IS 6.3V/ 5.0V,3A/2A,60/30 TURNS #23E WIRE.		RE 13A 533B	CAFT- 301327 AN/APA-17 POWER TRANSFORMER: PRI: 115/17400 TO 2600, TAPPED AT 80 VOLTS, 11.80 OHMS DC. RESISTANCE, 265 TURNS TAPPED AT 184 TURNS #30E WIRE, SEC #1: 2600 VOLTS AT 2 M.A. D.C. 6520 TURNS #42E WIRE, 5.850Ω DC RESISTANCE SEC #2: 2.5 VOLTS, 1.75 AMPS, 0.070 OHMS DC 8/16/44 CNB:65010 CNB:65010-L DEC. 44		
CLV- 301318 WIRE, SEC #2: 2.5 VOLTS, 5 AMPS, 0.011 OHMS DC RESISTANCE, 9 TURNS #19E WIRE. SECONDARY #1 AND #2 ARE WOUND AS A PAR- ALLEL PAIR.		CLV- 301318	CW- 301323 TS-34/AP TRANSFORMER INPUT IMPEDANCE RATIO 2000/2000 OHMS, PRI: 150 TURNS #33 GA EN WIRE, DC RESISTANCE 5.7 OHMS, SECONDARY 150 TURNS #33 GA EN WIRE DC RESISTANCE A 7.5 OHMS, OPERATES OVER FREQ. RANGE OF 10 KC TO 2000 KC. HAS ELECTROSTATIC SHIELDING BETWEEN WINDINGS. 8/15/44 D-166638 ESO-652290 OCT. 44 ISSUE 1		RE 13A 533B	CAFT- 301327 RESISTANCE 6 TURNS #21E WIRE, SEC #3: 6.3 VOLTS, 0.6 AMPS, 0.219 OHMS DC RE- SISTANCE, 15 TURNS #23E WIRE.		
CW- 301319 RADAR MK 22 INPUT TRANSFORMER: IMPEDANCE RATIO 50-900 OHMS BETWEEN PRI. (1-2) AND SEC (3-4) (5-6) CONN. IN PAR- ALLEL; FREQ. RANGE 10 KILOCYCLES TO 2 MEGACYCLES, PRI: (1-2): 24 TURNS, #27 EN WIRE, 0.15Ω DC RESIST. WOUND AS PARA. PAIR, SEC #1 (3-4): 102 TURNS #29 EN 8/8/44 CW:D-166173 CW:ESL-642510 OCT. 44		CW- 301319	CAFT-301324 AN/APA-17 RE13A553-B POWER TRANSFORMER: PRIMARY 115/17350 TO 900, TAPPED AT 26 AND 80 VOLTS, PRIMARY WINDINGS AS FOL- LOWS; 38 TURNS #17E WIRE, 0.130 OHMS DC RESISTANCE; 79 TURNS #21E WIRE, 0.620 OHMS DC RESISTANCE; 51 TURNS #23E WIRE, 0.67 OHMS DC RESISTANCE; CONNECTED IN 8/16/44 CNB:65009 CNB:65009 DEC. 44 REV J		RE13A553-B	CW- 301328 UE-1 TRANSFORMER, INPUT: WINDING (1-2) CONSISTS OF 18 TURNS OF 30 #40 E STRANDED EN WIRE, 0.6 OHMS DC RES. WINDING (3-4) APPROX 650 TURNS OF 7 #40 E STRANDED WIRE, 48 OHMS DC RES, HAS A 15±.75 MMF CERAMIC CAPACITOR WITH NEG TEMP COEFF OF 750 PPM /°C, 500V DC 8/17/44 KS-9472 ESO-660648 OCT. 44 ISSUE 1		
WIRE, 4.10Ω d.c. RES. SEC #2 (5-6): 102 TURNS #29 EN WIRE, 4.30 OHMS d.c. RESIST. CORE TYPE TRANSFORMER WITH 45 PERMALLOY CORE POTTED IN AN OIL FILLED CYLINDRICAL METAL CASE.		CW- 301319	CAFT- 301324 SERIES, SECONDARY: 200 VOLTS, TAPPED AT 115 VOLTS, 80 V.A. SECONDARY WINDINGS AS FOLLOWS; 180 TURNS #24E WIRE, 2.05 OHMS DC RESISTANCE AND 133 TURNS #26E WIRE, 2.06 OHMS DC RESISTANCE, CONNECTED IN SERIES.		RE 13A 533B	CW- 301328 WKG ACROSS THIS WINDING. ELECTROSTATIC SHIELD BETWEEN (1-2) AND (3-4). DESIGNED TO OPERATE BETWEEN 150 OHMS AND GYRO CIRCUIT OF A TUBE WITH CAPACITOR OF APPROX 50 MMF. CAPACITOR AND WINDING POTTED IN RECTANGULAR CAN.		

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CW-301329 UE-1 TRANSFORMER OUTPUT: WINDING (1-2) CONSISTS OF APPROX. 400 TURNS OF #36 GA.E WIRE, 35 OHMS D-C RES. WINDING (3-4) APPROX. 700 TURNS OF #36 GA E WIRE, 78 OHMS D-C RES. IMPEDANCE AT:0 (3-4) TO (1-2) AT 100 KC IS 3:1. VOLTAGE TRANSFORMATION RATIO BETWEEN 8/17/44 KS-9489 OCT. 44		CW:ESO-661123 ISSUE 1	CRR-301335 AN/MPN-1A PLATE TRANSFORMER: PRIMARY: 117/1/50 TO 60. 179 VA. SECONDARY: 1300 VOLTS, C.T. 0.275 AMP. DC.	8/18/44 SEPT. 44	CRR:A-117030 REV 0	CRR-301343 AN/MPN-1A REACTOR: RATED 10 HENRIES AT 0.50 AMP. DC. 40 OHMS DC RESISTANCE.	8/18/44 SEPT. 44	CRR:A-103174C ISS C
CW-301329 WINDINGS (3-4) AND (1-2) WHEN MEASURED AT 900 CPS WITH APPROX. 6 VOLTS ACROSS WINDING (1-2) IS 1.77:1 MAX. AND 1.70:1 MIN.			CRR-301336 AN/MPN-1A POWER TRANSFORMER: PRIMARY: 117/1/50 TO 60. 43 VA. SECONDARY #1: 1000 VOLTS C.T. 0.025 A.D.C. SECONDARY #2: 5.0 VOLTS 2 AMPS. SECONDARY #3: 5.0 VOLTS 4 AMPS.	8/18/44 SEPT. 44	CRR:A-117032 REV 0	CRR-301344 AN/MPN-1A PLATE TRANSFORMER: PRIMARY: 117/1/50 TO 60. 293 VA. SEC #1: 800 VOLTS C.T. 0.040A DC. SEC #2: 760 VOLTS C.T. 0.50A DC. SEC #3: 6.3 VOLTS, 0.25A DC.	8/18/44 SEPT. 44	CRR:A-103176C ISS C
CCV-301330 MK 20 MOD 1 RETARDATION COIL: RATED NOT LESS THAN 15.0 HENRIES WITH 100±0.2 VOLTS, 800±40 CYCLES PER SECOND ACROSS THE WINDING, AND 0.03±0.001 AMPERE DC. 9000 TURNS #37E WIRE. 1570 OHMS #CW:ESO-654927. ISS 3 KS-9264 ISS 1, APP 1, 2, 3. 8/18/44 CCV:T-7457 *SEE ABOVE OCT. 44			CCR-301337 AN/MPN-1A FILAMENT TRANSFORMER: PRIMARY: 117/1/50 TO 60. 74 VA. SECONDARY #1: 6.3 VOLTS C.T., 0.75A. SECONDARY #2: 6.3 VOLTS C.T., 5.5A. SECONDARY #3: 6.3 VOLTS C.T., 5.5A.	8/18/44 SEPT. 44	CRR:A-117034 REV 0	CRR-301345 AN/MPN-1A FILAMENT TRANSFORMER: PRIMARY: 117/1/50 TO 60. 30 VA. SECONDARY #1: 5 VOLTS C.T., 2 AMPS. SECONDARY #2: 5 VOLTS, C.T. 4 AMPS.	8/18/44 SEPT. 44	CRR:A-103192C ISS C
MAXIMUM DC RESISTANCE.			CRR-301338 AN/MPN-1A PULSE TRANSFORMER: PRIMARY #1: 140 TURNS. SECONDARY #1: 140 TURNS. SECONDARY #2: 70 TURNS. PRIMARY #2: 140 TURNS.	8/18/44 SEPT. 44	CRR:A-117036 REV 0	CRR-301346 AN/MPN-1A FILAMENT TRANSFORMER: PRIMARY: 117/1/50 TO 60. 62 VA. SECONDARY #1: 6.3 VOLTS, C.T., 0.85A. SECONDARY #2: 6.3 VOLTS, C.T., 9A.	8/18/44 SEPT. 44	CRR:A-103196C ISS C
CCV 301331 MK 20 MOD 1 RETARDATION COIL RATED NOT LESS THAN 0.75 HENRY WITH 20 ±0.5 VOLTS, 800±40 CYCLES PER SECOND ACROSS WINDING, AND 0.460 ±0.010 AMPERE DC. 1820 TURNS #25E WIRE. 28 OHMS MAXIMUM DC RESISTANCE. #ISSUE 3, KS-9265, ISSUE 1, APP. 1, 2, 3 8/18/44 CCU:T-7457 CW:ESO-654928 NOV. 44 *SEE ABOVE			CRR-301339 AN/MPN-1A PULSE TRANSFORMER: WINDING #1: 2.1 OHMS RESISTANCE. WINDING #2: 2.26 OHMS RESISTANCE. WINDING #3: 2.42 OHMS RESISTANCE.	8/18/44 SEPT. 44	CRR:A-117040 REV 0	CRR-301347 AN/MPN-1A FILAMENT TRANSFORMER: PRIMARY: 117/1/50 TO 60. 48VA. SECONDARY #1: 6.3 VOLTS, C.T., 0.55A. SECONDARY #2: 6.3 VOLTS, C.T., 7A.	8/18/44 SEPT. 44	CRR:A-103200C ISS C
CRR-301332 AN/MPN-1A FILAMENT TRANSFORMER: PRIMARY: 117/1/50 TO 60. 50 VA. SEC #1: 5 VOLTS, 5 AMPS. SEC #2: 5 VOLTS, 5 AMPS.			CRR-301340 AN/MPN-1A FILAMENT TRANSFORMER: PRIMARY: 117/1/50 TO 60. 752 VA. SECONDARY #1: 6.3 VOLTS, 0.25 AMPS. SECONDARY #2: 75 VOLTS, 10 AMP.	8/18/44 SEPT. 44	CRR:A-117044 REV 0	CRR-301348 AN/MPN-1A FILAMENT TRANSFORMER: PRIMARY: 117/1/50 TO 60. 232 VA. SECONDARY: 27 VOLTS, 8.6 AMPS, TAPPED AT 12.8 VOLTS.	8/18/44 SEPT. 44	CRR:A-103218A ISS A
CRR-301333 AN/MPN-1A PLATE TRANSFORMER: PRIMARY: 117/1/50 TO 60, 1120VA. SECONDARY: 6100 VOLTS, 0.050 AMPS. DC.			CRR-301341 AN/MPN-1A POWER TRANSFORMER: PRIMARY: 117/1/50 TOP 60, 60 VA. SEC. #1/SEC#2SEC#3/SEC#4/SEC#5/SEC#6 IS 500V C.T./500V C.T./5V/6.3V/6.3V/5V AND 0.08 A DC/0.04A DC/2A/0.5A/1.0A/2A.	8/18/44 SEPT. 44	CRR:A-117066 REV 0	CRR-301349 AN/MPN-1A PLATE TRANSFORMER: PRIMARY: 117/1/50 TO 60. 474 VA. SECONDARY #1: 1050 VOLTS, 0.450A DC. SECONDARY #2: 6.0 VOLTS, 0.25A DC.	8/18/44 SEPT. 44	CRR:A-103220E ISS E
CRR-301334 AN/MPN-1A OUTPUT TRANSFORMER: PRIMARY: 7.2 OHMS DC RESISTANCE. SECONDARY: 0.143 OHMS DC RESISTANCE. TURNS RATIO PRIMARY TO SECONDARY IS 8.69 TO 1. IMPEDANCE: PRIMARY 300 OHMS, SECONDARY 4 OHMS.			CRR-301342 AN/MPN-1A FILAMENT TRANSFORMER: PRIMARY: 117/1/50 TO 60, 19VA. SECONDARY: 39 VOLTS, 0.6A.	8/18/44 SEPT. 44	CRR:A-117068 REV 0	CRR-301350 AN/MPN-1A PLATE TRANSFORMER: PRIMARY: 117/1/50 TO 60, 312 VA. SECONDARY #1: 690 VOLTS, 0.450A DC. SECONDARY #2: 6.3 VOLTS, 0.25A.	8/18/44 SEPT. 44	CRR:A-103222C ISS C

Class 30—Transformers and Reactors

3.30-73

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CRR-301351 AN/MPN-1A REACTOR: RATED 10 HENRIES AT 0.45 AMP. DC. 65 OHMS DC RESISTANCE.	8/18/44 SEPT. 44	CRR:A-103224C ISS C	CRR-301359 AN/MPN-1A FILAMENT TRANSFORMER: PRIMARY: 117/1/50 TO 60. 89 VA. SEC#1/ SEC#2/SEC#3/SEC#4 IS 6.3V/6.3V.C.T./6.3V/ /6.3V AND 8.4A/4A/1.2A/0.6A.	8/19/44 SEPT. 44	CRR:A-103248A ISS A	CRR 301367 AN/MPN-1A FILAMENT TRANSFORMER PRIMARY: 117/1/50 TO 60. 25V.A SEC. #1/SEC. #2 IS 2.54V.C.T./2.54V.C.T. AND 5A./5A.	8/19/44 SEPT. 44	CRR:A-103268A ISSUE A
CRR-301352 AN/MPN-1A FILAMENT TRANSFORMER: PRIMARY: 117/1/50 TO 60. 40 VA. SEC#1/ SEC#2/SEC#3/ IS 5/5/5 VOLTS. C.T. AND 2/2/2 AMPS.	8/18/44 SEPT. 44	CRR:A-103226C ISS C	CRR-301360 AN/MPN-1A FILAMENT TRANSFORMER: PRIMARY: 117/1/50 TO 60. 62 VA. SEC#1/ SEC#2/SEC#3/SEC#4 IS 6.3V/6.3V.C.T./ 5V.C.T./5V.C.T AND 4A/1A/4A/2A.	8/19/44 SEPT. 44	CRR:A-103250A ISS A	CRR 301368 AN/MPN-1A FILAMENT TRANSFORMER PRIMARY: 117/1/50 TO 60. 4V.A. SECONDARY: 6.3 VOLTS. C.T., 0.6A.	8/19/44 SEPT. 44	CRR:A-103274A ISSUE A
CRR-301353 AN/MPN-1A REACTOR: RATED 10 HENRIES AT 0.065A DC. 460 OHMS DC RESISTANCE.	8/18/44 SEPT. 44	CRR:A-103228B ISS B	CRR 301361 AN/MPN-1A REACTOR RATED 12 HENRIES AT 0.275 AMPS. DC. 125 OHMS DC RESISTANCE.	8/19/44 SEPT. 44	CRR:A-103252A ISSUE A	CRR 301369 AN/MPN-1A REACTOR RATED 12 HENRIES AT 0.025A. D.C. 166 OHMS DC RESISTANCE.	8/19/44 SEPT. 44	CRR:A-103276A ISSUE A
CRR-301354 AN/MPN-1A POWER TRANSFORMER: PRIMARY: 117/1/50 TO 60. 22 VA. SECON- DARY #1: 810 VOLTS. C.T., 0.02A DC. SECONDARY #2: 5 VOLTS C.T., 2 A. SECON- DARY #3: 6.3 VOLTS. 0.65A.	8/18/44 SEPT. 44	CRR:A-103230C ISS C	CRR 301362 AN/MPN-1A REACTOR RATED 22 HENRIES AT 0.033A DC. 425 OHMS D.C. RESISTANCE.	8/19/44 SEPT. 44	CRR:A-103254A ISSUE A	CRR 301370 AN/MPN-1A FILAMENT TRANSFORMER PRIMARY: 117/1/50 TO 60. 17V.A. SECONDARY #1/#2/#3 IS 6.3/6.3/6.3V.C.T. AND 0.6/0.6/1.5A.	8/19/44 SEPT. 44	CRR:A-103278A ISSUE A
CRR-301355 AN/MPN-1A POWER TRANSFORMER: PRIMARY: 117/1/50 TO 60. 45 VA. SECON- DARY #1: 4500 VOLTS, 0.006A DC. SECON- DARY #2: 2.5 VOLTS, 1.75A SECON- DARY #3: 6.3 VOLTS, 0.25A.	8/18/44 SEPT. 44	CRR:A-103232C ISS C	CRR 301363 AN/MPN-1A REACTOR RATED 700 HENRIES AT 0.0005 AMP. 5000 OHMS D.C. RESISTANCE.	8/19/44 SEPT. 44	CRR:A-103256A ISSUE A	CRR 301371 AN/MPN-1A POWER TRANSFORMER PRIMARY: 117/1/50 TO 60. 67V.A. SEC. #1/#2/#3/#4/#5 IS 530V.C.T./10V/18V/ /6.3V/5V AND 0.075/1.2/0.3/1.8/2A.	8/19/44 SEPT. 44	CRR:A-103280A ISSUE A
CRR-301356 AN/MPN-1A FILAMENT TRANSFORMER: PRIMARY: 117/1/50 TO 60. 23 VA. SECON- DARY #1: 6.3 VOLTS. C.T., 1.8A. SECON- DARY #2: 6.3 VOLTS. C.T., 1.8A.	8/18/44 SEPT. 44	CRR:A-103236C ISS A	CRR 301364 AN/MPN-1A POWER TRANSFORMER PRIMARY: 117/1/50 TO 60. 116V.A. SEC #1: 880 VOLTS. C.T., 0.150A.D.C. SEC #2: 6.3 VOLTS. 6.4A. SEC #3: 5 VOLTS. 2A.	8/19/44 SEPT. 44	CRR:A-103260A ISSUE A	CRR 301372 AN/MPN-1A FILAMENT TRANSFORMER PRIMARY: 117/1/50 TO 60. 18V.A. SEC #1: 18 VOLTS. 0.3A. SEC #2: 10 VOLTS. 1.2A.	8/19/44 SEPT. 44	CRR:A-103282A ISSUE A
CRR-301357 AN/MPN-1A FILAMENT TRANSFORMER: PRIMARY: 117/1/50 TO 60. 12 VA. SECON- DARY #1: 6.3 VOLTS. CENTER-TAPPED. 0.9A. SECONDARY #2: 6.3 VOLTS. CENTER-TAPPED. 0.9A.	8/19/44 SEPT. 44	CRR:A-103240A ISS A	CRR 301365 AN/MPN-1A POWER TRANSFORMER PRIMARY: 117/1/50 TO 60. 12V.A. SECONDARY #1: 1250 VOLTS, 0.002A. DC. SECONDARY #2: 6.3 VOLTS, 0.6A. SECONDARY #3: 2.5 VOLTS, 1.75A.	8/19/44 SEPT. 44	CRR:A-103262A ISSUE A	CRR 301373 AN/MPN-1A REACTOR RATED 1.5 HENRIES AT 0.320 AMP. D.C. 30 OHMS DC RESISTANCE.	8/19/44 SEPT. 44	CRR:A-103284A ISSUE A
CRR-301358 AN/MPN-1A PLATE TRANSFORMER: PRIMARY: 117/1/50 TO 60. 152 VA. SECON- DARY: 1100 VOLTS TAPPED AT 550 VOLTS AND 150 VOLTS. 0.275 AMP DC.	8/19/44 SEPT. 44	CRR:A-103246B ISS B	CRR 301366 AN/MPN-1A REACTOR RATED 10 HENRIES AT 0.150 AMP. D.C. 210 OHMS DC RESISTANCE.	8/19/44 SEPT. 44	CRR:A-103264A ISSUE A	CRR 301374 AN/MPN-1A REACTOR RATED 10 HENRIES AT 0.080 AMP. DC. 80 OHMS DC RESISTANCE.	8/19/44 SEPT. 44	CRR:A-103286A ISSUE A

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CRR 301375 AN/MPN-1A INPUT TRANSFORMER PRIMARY: 0.10 AMP, 5 OHMS RESISTANCE. TOTAL RESISTANCE OF SECONDARY IS 1870 OHMS. SECONDARY 4-7 TAPPED AT 5 AND 6. IMPEDANCE OF PRI. IS 100 OHMS. IMPEDANCE OF SEC (4-5) 100 OHMS, SEC (4-6) 280 OHMS, SEC (4-7) 50,000 OHMS. 8/19/44 SEPT. 44		CRR:A-1032908 ISSUE B	CRR 301383 AN/MPN-1A PLATE TRANSFORMER PRI: 117/1/50 TO 60. 500V.A. SEC #1: 6.3V. 0.25A. SEC #2: 1420V. 0.35A. DC. 8/19/44 SEPT. 44		CRR:A-1033068 ISSUE B	CRR- 301391 AN/MPN-1A REACTOR: RATED 5 HENRIES AT 0.250 AMP. DC. 80 OHMS DC RESISTANCE. 8/19/44 SEPT. 44		CRR:A-103366A ISS A
CRR 301376 AN/MPN-1A OUTPUT TRANSFORMER PRIMARY: 0.01 AMP. 620 OHMS DC RESISTANCE. SECONDARY (5-7) TAPPED AT 6 IMPEDANCE: PRI. 15,000 OHMS, SEC (5-6) 300 OHMS, SEC (5-7) 4000 OHMS. 8/19/44 SEPT. 44		CRR:A-103292A ISSUE A	CRR 301384 AN/MPN-1A REACTOR RATED 0.05 HENRIES AT 11 AMPS. 0.3 OHMS DC RESISTANCE. 8/19/44 SEPT. 44		CRR:A-103310A ISSUE A	CRR- 301392 AN/MPN-1A PLATE TRANSFORMER: PRIMARY: 117/1/50 TO 60. 118 VA. SEC #1: 6.3V. 0.250A. SEC #2: (5-8) TAPPED AT 6 AND 7. 934 VOLTS C.T. (AT 6). (6-7) IS 197V. 0.015A. DC. 0.245A. DC FROM (5-8). 8/19/44 SEPT. 44		CRR:A-103368A ISS A
CRR 301377 AN/MPN-1A OUTPUT TRANSFORMER PRIMARY 0.010 AMP. 620 OHMS DC RESISTANCE. SECONDARY (5-7) TAPPED AT 6 IMPEDANCE: PRI. 15000 OHMS, SEC (5-6) 4 OHMS, SEC (5-7) 8 OHMS. 8/19/44 SEPT. 44		CRR:A-103294A ISSUE A	CRR 301385 AN/MPN-1A PLATE TRANSFORMER PRIMARY: 117/1/50 TO 60. 60V.A. SECONDARY (3-5) TAPPED AT 4. SEC (3-4) 580V. 0.004 A. DC. SEC (3-5) 980V. 0.020A DC. 8/19/44 SEPT. 44		CRR:A-103318A ISSUE A	CRR- 301393 AN/MPN-1A POWER TRANSFORMER: PRIMARY: 117/1/50 TO 60. 170 VA. SEC #1/ #2/#3/#4 IS 6.3/5.0/5.0/21.75V. AND 0.250/2.0/2.0/6.8A. 8/19/44 SEPT. 44		CRR:A-103370A ISS A
CRR 301378 AN/MPN-1A OUTPUT TRANSFORMER PRIMARY: 105 OHMS DC RESISTANCE. IMPEDANCE IS 4000 OHMS. SECONDARY: 10 OHMS DC RESISTANCE IMPEDANCE IS 300 OHMS. 8/19/44 SEPT. 44		CRR:A-103296A ISSUE A	CRR 301386 AN/MPN-1A FILAMENT TRANSFORMER PRIMARY: 117/1/50-60. 25V.A. SECONDARY: 6.3V.C.T., 4A. 8/19/44 SEPT. 44		CRR:A-103320B ISSUE B	CLV- 301394 QJB TRANSFORMER, POWER PRI 1(4-2) 440/1/60; 0.325 OHMS D-C RES. 108 TURNS. #13GA DC WIRE PRI 1(3-4) 440/1/60; 0.279Ω D-C RES., 108 TURNS #13GA DC WIRE PRI 3(5-6) 440/1/60; 0.294 OHMS D-C RES., 108 TURNS #13GA DC WIRE PRI 4(7-8) 440/1/60; 0.353 OHMS D-C RES. 8/19/44 JAN. 45		CW:KS-8831 ISSUE 3
CRR 301379 AN/MPN-1A PLATE TRANSFORMER PRIMARY: 117/1/50 TO 60. 149V.A SECONDARY #1: 6.3V. 0.25A. SECONDARY #2: 1470V.C.T. 0.20A. DC. 8/19/44 SEPT. 44		CRR:A-103298B ISSUE B	CRR 301387 AN/MPN-1A REACTOR RATED 0.75 HENRY AT 0.100 A. DC. 32 OHMS DC RESISTANCE. 8/19/44 SEPT. 44		CRR:A-103326A ISSUE A	CLV-301394 108 TURNS #13GA DC WIRE. SEC. (9-10) 110V. 9.1 AMP 0.0895 OHMS RES. 110 TURNS .100" ± .001" X .200" ± .002" RECTANGULAR DC WIRE. PRIMARY WINDINGS CAN BE CONNECTED TO USE 440, 220 AND 110 VOLTS INPUT VOLTAGES WITH 2. 8. 5. 6. 11.3 AMPS INPUT CURRENT. 8/19/44 OCT. 44		(CW)ESD-641715 KS-8834 ISS 4
CRR 301380 AN/MPN-1A FILAMENT TRANSFORMER PRI. 117/1/50-60. 377V.A. SEC. #1/#2/#3 IS 5 VOLTS CT/64.6V/6.3V. AND 4A./5.5A./0.25A. 8/19/44 SEPT. 44		CRR:A-103300A ISSUE A	CRR 301388 AN/MPN-1A FILAMENT TRANSFORMER PRIMARY: 117/1/50 TO 60. 36V.A. SECONDARY #1/#2/#3 IS 6.3V.C.T./6.3V.C.T./6.3V.C.T. AND .45A/.45A/4.75A. 8/19/44 SEPT. 44		CRR:A-103328A ISSUE A	CCV- 301395 QJB TRANSFORMER POWER PRI: (1-2) 115/1/60 5.3 AMPS. 0.302 OHMS DC RESISTANCE. 152 TURNS, #13 GA DC WIRE. SECONDARY (3-7) 146CV 0.290 AMP. 68.0 OHMS DC RESISTANCE AND 1975 TURNS OF #24 GA E WIRE. TAPPED AT 488 TURNS. 986 TURNS. AND 1484 TURNS. 8/19/44 OCT. 44		(CCV)T-7205 (CW)ESD-641715 KS-8834 ISS 4
CRR 301381 AN/MPN-1A REACTOR RATED 0.05 HENRIES AT 5.5 AMP. DC. 0.30 OHMS DC RESISTANCE. 8/19/44 SEPT. 44		CRR:A-103302A ISSUE A	CRR- 301389 AN/MPN-1A FILAMENT TRANSFORMER: PRIMARY: 117/1/50 TO 60. 17 VA. SEC #1: 6.3V.C.T., 0.6A. SEC #2: 6.3 V.C.T., 2.1A. 8/19/44 SEPT. 44		CRR:A-103330A ISS A	CTR- 301396 AN/MPN-1A TRANSFORMER: RE13A-553B ADDENDUM 2 8/19/44 SEPT. 44		CTR:CAT#5227-D CRR:C-62837A ISS A
CRR 301382 AN/MPN-1A PLATE TRANSFORMER PRI: 117/1/50 TO 60. 248V.A. SEC. #1: 615V. 0.4A. DC. SEC #2: 6.3V. 0.25A. DC. 8/19/44 SEPT. 44		CRR:A-103304A ISSUE A	CRR- 301390 AN/MPN-1A FILAMENT TRANSFORMER: PRIMARY: 117/1/50 TO 60. 58 VA. SEC #1/ #2/#3 IS 6.3V.C.T./6.3V.C.T./6.3V.C.T. AND 0.6A/0.6A/8.05A. 8/19/44 SEPT. 44		CRR:A-103342A ISS A	CAIU-301397 ST TRANSFORMER, AUTO RATED 115V. 0.60 AMPS. 60 CPS. PRIMARY INPUT AND 46V. 0.25 AMPS. AC SECONDARY OUTPUT. BETWEEN TERMINALS 1-3 325 TURNS #20 GA E WIRE WITH 230 OHMS DC RES. TERMINAL 2 TAPPED 133 TURNS FROM TERMINAL 1. WINDING 1-2 HAS 0.85 OHMS RESISTANCE. 8/21/44 OCT. 44		(CW)KS-15074 LIST 01 ISS 1

Class 30—Transformers and Reactors

3.30-75

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION			
CRR-301398	AN/MPN-1A	FILAMENT TRANSFORMER; PRIMARY: 117/150 TO 60. 13 VA. SEC #1: 6.3V, 0.6A. SEC #2: 6.3V, 1.5A.	301402	(A-2)/(B-2) INSTEAD OF (1-2) SECONDARY VOLTS ARE INCREASED 4.3 % & 7.2% RESPECTIVELY. SECONDARY CONSISTS OF 528 TURNS 25E WIRE, 15 OHMS DC RES. C.T.	CRP-301407	VF	LINE VOLTAGE REGULATOR PRIMARY: 92-133 VOLTS, 1 PHASE, 57-63 CYCLES, 15 AMPS. SECONDARY: 115 VOLTS, 7.15 AMPS, 0.82 KVA, 98% PF. CONSISTS OF TWO TRANSFORMERS FIVE CAPACITORS, ONE 7 OHM RESISTOR, A COIL, AND ONE RELAY.	8/21/44 SEPT. 44	CRR:A-1031828 ISS B	8/26/44 OCT. 44	WX-5755 DX91-835 SUB 0
CCV-301399	TS-34/AP	TRANSFORMER, POWER PRI: 115/150-1200 (1-2) 1.1 AMPS, INPUT 3.6 OHMS DC RES. 272 TURNS OF #23 GA E WIRE SEC. (3-5) 720 VOLTS, 0.115 AMP. 226.0 OHMS DC RES. 1800 TURNS OF #32GA E WIRE. CT AT (4) (5-6) 6.3V, 0.6 AMP. CW:KS-9214 ISS 1, APP. 1 8/22/44 CCV:1-7449 CW:ESO-652778 NOV. 44 ESEESABOVE ISS	301403	MARK 20 MOD 1 TRANSFORMER, POWER 115/1400. PRI: (1-2) 3.80 OHMS D-C RES. 0.3 AMP. 260 TURNS OF #26E WIRE SEC; (3-4) 1700 VOLTS, 0.011 AMP. 1170.0 OHMS D-C RES. 3900 TURNS OF #38E WIRE (4-5) 2.5 VOLTS. 1.75 AMP. .045 OHMS D-C RES. 6 TURNS OF #20E WIRE (6-7) 7.4 VOLTS. 8/24/44 CLV:KS-9266 CW:ESO-654929 SEPT. 44	CRV-301408	SA-3*	POWER TRANSFORMER PRIMARY: 115/150. WINDING CONSISTS OF 145 TURNS OF 0.0641 E WIRE, 3 AMP. 0.36 OHMS DC RES. SEC: 112/344, 650 CT 10.2 C.T./ 25 CT/ 6.3 CT. VOLTS. 0.05/13/4/5 AMPS CONSISTS OF 826/14/32/8 TURNS OF .0159E/.115 X .115 DCC/.0808E/.0808E 8/26/44 901467-502 K-901467-502 OCT. 44 SUB 7				
CCV-301399	TS-34/AP	0.35 OHMS DC RES. 15 TURNS OF #24 GA E WIRE (7-8) 5.05V, 2.0 AMP. 0.12 OHMS DC RES. 13 TURNS OF #20 GA E WIRE. (9-10) 6.3 VOLTS 3.8 AMP. 0.058 OHMS DC RES. 16 TURNS OF #16 GA E WIRE (11-12) 6.3V, 0.6 AMP. 0.40 OHMS DC RES. 16 TURNS OF #24 GA E WIRE.	301403	1.8 AMP .110 OHMS D-C RES. 15 TURNS OF #20E WIRE.	CRV-301409		WIRE, 38.6/.024/.073/.053 OHMS DC RES. MECHANICALLY BUT NOT ELECTRICALLY INTER- CHANGEABLE WITH -30831.				
CCV-301400	TS-34/AP	RETARDATION COIL RATED NOT LESS THAN 3.8 HENRIES WHEN MEASURED WITH 10 ± 0.5 VOLTS, 60 ± 1.2 CYCLES PER SECOND AND 0.105 AMPS DC APPLIED TO WINDING. WINDING CONSISTS 2590 TURNS OF #33 GA E WIRE WITH NOT (CW)1-7449. (CW)KS-9214 ISS 1 APP 1 8/22/44 WSEE ABOVE CW:ESO-652778 OCT. 44 ISS. 3	301404	MARK 20 MOD 1 TRANSFORMER POWER PRI: 115/1400-2400. 0.4 AMPS, 4.0 OHMS D-C RES. 42 TURNS #24E WIRE. SEC: (3-7) 26.4 VOLTS. 2.2 TO 2.8 AMP. 0.20 OHMS D-C RES. 102 TURNS OF #17E WIRE. TAPPED AT 24.9 VOLTS, 13.2 VOLTS, 1.5 VOLTS. 8/24/44 KS-9267 CW:ESO-660003 SEPT. 44	CAG-301409	SN	AUTO TRANSFORMER INPUT. 35 VOLTS. 60 CYCLES. OUTPUT RAT- ING: 0 10 132 ±5 V. 1.5 AMPS MAX. INTER- MITTENT (1.0 AMPS. MAX CONTINUOUS). WINDING MUST COVER 240° AT THE BRUSH SURFACE. (TOLERANCE - 0°±5°). AMBIENT 40° TO 50°C. WIRE SIZE #28 & S GAUGE 8/28/44 (CAG)200-BS23 (CG)M-55J937 FEB. 45 REV 3				
CCV-301400	TS-34/AP	MORE THAN 230 OHMS DC RESISTANCE.	301405	SP/SP-1M AUTO TRANSFORMER, VARIABLE INPUT: 115 VOLTS, 60 CYCLES. OUTPUT: 0 TO 115 VOLTS AT 1 AMPERE RMS (MAXIMUM).	CAG-301409		COPPER WIRE. HAS TWO: TAP #1 LOCATED 85° ± 2° FROM TAP #2.				
301401	MARK 20 MOD 1	TRANSFORMER, POWER 115/1400. PRI: (1-2) 1.65 OHMS D-C RES. 0.5 AMP. 226 TURNS OF #23E WIRE SEC; (3-4) 6.3 VOLTS, 12.0 AMP. 0.012 OHMS D-C RES. 13 TURNS OF .003 ± .003X 1 3/4 COPPER SHEET. (5-6) 6.3 VOLTS 1.0 AMP 0.146 OHMS D-C RES. 13 TURNS OF #23E 8/24/44 CLV:KS-9129 CW:ESO-649467 SEPT. 44 CAY:W-2469 ISS. 4	301405	SP/SP-1M AUTO TRANSFORMER, VARIABLE INPUT: 115 VOLTS, 60 CYCLES. OUTPUT: 0 TO 57.5 VOLTS ±3% EACH SIDE OF CENTER- TAP AT 1 AMP. MAXIMUM. SAME AS CAG-1405 EXCEPT HAS A CENTER-TAP. 8/25/44 (CAG)200-BS22 (CG)K-57J947 OCT. 44 REV 1	CG-301410	SP/SP-1M RE 13A 553	AUTO TRANSFORMER INPUT: 60 VOLTS, 60 CYCLES. TAPPED AT 48V-1.2A, 45V, 40V-1.05A, 34.4V-0.92A, 30V-0.825A, 26.8V-0.74A, 24V, 21.8V, 20V, 18.5V-.5A, 17.2V, 16.1V-0.44A, 15V, 14.1V, 13.5V, 12.7V, AND 12V-0.33A. 4.0 OHMS ±				
301401	MARK 20 MOD 1	WIRE (7-8) 6.3 VOLTS 2.0 AMP 0.077 OHMS D-C RES. 13 TURNS OF #20E WIRE ELECTROSTATIC SHIELD BETWEEN PRIMARY AND SECONDARY.	301406	QJB RETARDATION COIL RATED NOT LESS THAN 6 HENRIES WHEN MEA- SURED WITH 70±3 VOLTS, 60±1.2 CPS AND 0.07±2% AMPS. DC. AND NOT LESS THAN 25 HENRIES WITH NO DC FLOWING THROUGH WIND- ING. WINDING CONSISTS OF 4320 TURNS OF #KS-8836 ISSUE 2 10/5/44 T-7208 (CW)ESO-641357 OCT. 44 ISSUE 7 *	CG-301410		10% DC RES. TOTAL NUMBER OF TURNS 500.5 ENAMELED WIRE .0285 DIA.				
301402	MARK 20 MOD 1	TRANSFORMER, POWER PRI (1-4) 115/1400. 0.800 AMPS. CONSISTS OF 78 TURNS #15E WIRE, 0.18 OHMS DC RES TAPPED AT 70/62/5/3 TURNS. TERMS (1-2) /(1-2)/(1-3)/(1-4). WITH 115/1400 ACROSS TERMS (1-4)/(1-3)/(1-2) SECONDARY VOLTS 778/869/940. WITH 115/1400 ACROSS 8/24/44 CLV:KS-9267 CW:ESO-654930 SEPT. 44 CAY:W-2469 ISS 3	301406	QJB RETARDATION COIL RATED NOT LESS THAN 6 HENRIES WHEN MEA- SURED WITH 70±3 VOLTS, 60±1.2 CPS AND 0.07±2% AMPS. DC. AND NOT LESS THAN 25 HENRIES WITH NO DC FLOWING THROUGH WIND- ING. WINDING CONSISTS OF 4320 TURNS OF #KS-8836 ISSUE 2 10/5/44 T-7208 (CW)ESO-641357 OCT. 44 ISSUE 7 *	CG-301411	SP/SP-1M RE 13A 553	TRANSFORMER PRIMARY: 26/1/60. 1.65 OHMS ±8% DC RE- SISTANCE; SECONDARY (3-7) 145 VOLTS, 0.22 AMPS. 52.6 OHMS ±10% DC RESISTANCE. C.T. (AT 5) AND TAPPED AT 4 AND 6. 127 VOLTS BETWEEN TAPS 4 AND 6. 0.98 AMPS. PRIMARY: 204 TURNS 0.0253" DIM. E WIRE. 8/30/44 (CG)K53J271 (CG)K-58J271 DEC. 44 REV 1				

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NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG-301411	SEC: 1122 TURNS TAPPED AT 1059, 561 AND 63 TURNS 0.0113" DIA. E WIRE.		- 301416 QJB	INPUT TRANSFORMER RANGE 10-30 KC. IMPEDANCE RATIO 300:300:100,000 BETWEEN WINDINGS (1-2-3) (4-5-6) AND WINDING (7-8). WINDINGS (1-2) AND (2-3) HAVE 175 TURNS EACH #31 GA EN WIRE WITH 21 OHMS DC RES. WINDINGS (4-5) AND (6-7) 175 TURNS EACH #31 GA EN WIRE. (C)ES0-661653, ISSUE 1, KS-9523, ISS. 1 8/31/44 CML:KS-9523 *SEE ABOVE MAY 454 CAQ:SW3484		CLV- 301420 QJB	TRANSFORMER, FILAMENT PRI: 115/1/60, 0.5 AMP. 9.2Ω DC RESISTANCE, 296 TURNS OF #27 GA E WIRE, SEC #1: 2.6 VOLTS, 3.0 AMP. 0.031Ω DC RESISTANCE, 7 TURNS OF #19 GA E WIRE, SEC #2: 5600.0 VOLTS 0.004 AMP. 7500.0Ω DC RESISTANCE, 14,800 TURNS #33 GA E WIRE. 9/1/44 (CLV)KS-9259 (CH)ES0-654949 OCT. 44 ISSUE 4	
CG- 301412 SP/SP-1M	RE 13A 553 TRANSFORMER PRIMARY: 26/1/60, 1.62±2% DC RESISTANCE. SECONDARY: 124 VOLTS, 0.22 AMP. 44.5Ω ±10% DC RESISTANCE, TAPPED AT 110 VOLTS. 0.87 AMPS. INPUT CURRENT. PRIMARY: 204 TURNS, 0.0253" DIA. E WIRE. SECONDARY: 970 TURNS TAPPED AT 107, 0.0113" DIA. E 8/30/44 (CG)K-58J275 (C)K-58J275 DEC. 44 REV 1		- 301416	(5-6) HAVE 175 TURNS EACH #31 GA EN WIRE WITH 21 OHMS DC RES. TERMINALS 2 AND 5 ARE CENTER TAPS ON WINDINGS (1-3) AND (4-6) RESPECTIVELY. ALL 4 ARE TWISTED AND WOUND IN A SINGLE STRAND. WINDING (7-8) HAS 5800 TURNS #40 GA EN WIRE WITH 4000 OHMS DC RES. ELECTROSTATIC SHIELD BETWEEN WINDINGS (1-3) (4-6) AND (7-8) AND IS CONNECTED TO (S) TERMINAL.		CLV: 301420	SEC #1 AND #2 WOUND AS A PARALLEL PAIR.	
CG- 301412	WIRE.		CRP- 301417 QGC, QGD	POWER TRANSFORMER PRIMARY 220/440V, 1 PHASE, 60 CYCLES. PRIMARY ONE: 160 TURNS 0.045 X 0.08 BDC WIRE, RESISTANCE DC 0.4 OHMS. PRIMARY TWO: 160 TURNS 0.045 X 0.08 BDC WIRE, RESISTANCE DC 0.48 OHMS. SECONDARY 115/79V, 86 TURNS 0.1 X 0.17 BDC WIRE 8/31/44 CRP:U-7405 CM:60509 OCT. 44 CBM:759F REV 0		CTH- 301421 LORAN C-1	AMPLIFIER CHOKES CONSISTS OF 2 WINDINGS. RATED 2 HENRIES AT 700 MA. 27 OHMS DC RES., IN A PARALLEL CONNECTION. RATED 8 HENRIES AT 350 MA., 107 OHMS DC RES., IN A SERIES CONNECTION. 9/2/44 CTH:T-15C56 CDU:DD-3366-C FEB. 45	
CAT- 301413 MK 31 MOD 0	RETARDATION COIL RATED AT FROM 3.95 TO 4.55 HEN. AT 30±3 VOLTS; 60±1.2 CPS; .050±.005 AMPS DC; 3480 TURNS #43 E WIRE; 370Ω MAX. DC RES. (C)W80-100336 ISSUE 3 KS-9598 AP. 1 ISSUE 1. 8/30/44 SPEC 32693 *SEE ABOVE OCT. 44		CRP- 301417	TAPPED AT 59 TURNS. RESISTANCE DC. 0.07 OHMS. RATING 1.5 KVA.		CTH- 301422 LORAN C-1	FILAMENT TRANSFORMER: PRIMARY 105-115/1/60, 35 VA., SECONDARY 6.3 VOLTS CENTERTAPPED 5 AMPS. 2000 R.M.S. TEST VOLTAGE. 9/2/44 CTH:T-11F60 CDU:DD-3346-C FEB. 45	
CCV- 301414 ST	FILAMENT TRANSFORMER PRIMARY: (1-2) 310 TURNS #22 E WIRE; 3.20Ω DC, 115V, 1.0 AMPS - VOLTS TO GRD. OR (1-A) 294 TURNS #22 E WIRE; 3.03Ω DC, 103V, 1.16 AMPS - VOLTS TO GRD. SECONDARY: (3-4) 18 TURNS #18 E WIRE; 0.10Ω DC 6.3V, 2.5 AMPS GRD. (5-6) 14 1/2 8/31/44 T-7844 (C)W8A-103184 DEC. 44 ISSUE 1		CUD- 301418 QJB	POWER TRANSFORMER PRIMARY: (1-2): 1120 TURNS #28 GA E WIRE 27.0 OHMS, 115 VOLTS, 60 CPS 0.31 AMPS. SECONDARY (3-5) 5330 TURNS #39 GA E WIRE. 2240.0 OHMS 450 VOLTS, 0.03 AMPS. TERMINAL 4 IS CENTER TAP OF WINDING (3-5). (6-7) 76 TURNS #25 GA E WIRE, 0.715 OHMS. 8/31/44 A-4577 (C)ES0-661252 OCT. 44 ISSUE 1		CTH- 301423 LORAN C-1	FILAMENT TRANSFORMER: PRIMARY 115/1/60; 14 VA., SECONDARY 6.3 VOLTS CENTERTAPPED 2 AMPS; 1600 R.M.S. TEST VOLTAGE. 9/4/44 CTH:T-19F81 CDU:DD-3471-A FEB. 45	
CCV- 301414	TURNS #15 E WIRE; 0.04Ω DC. 5.0V. 5.5 AMPS +300 DC. (7-8) 33 1/2 TURNS #22 E WIRE; 0.48Ω DC 11.8V. 1.1 AMPS GRD. (9-10) 75 TURNS #20 E WIRE; 0.65Ω DC 26.0V 2.2 AMPS GRD. "A" IS A TAP ON WINDING (1-2).		CUD- 301418	6.4 VOLTS, 1.25 AMPS. WOUND AS PASALLE PAIR. ELECTROSTATIC SHIELD CONNECTED TO CASE SEPARATES PRIMARY FROM SECONDARIES.		CTH- 301424 LORAN C-1	POWER TRANSFORMER: PRIMARY 100 VA. SECONDARY DC VOLTAGE. 275/250/225/200/175/150 AT 200 MA. HAS PLUG-IN TERMINAL BOARD FACILITATING CHANGES OF VOLTAGE. 9/4/44 CTH:T-15R61 CDU:DD-5094-C FEB. 45	
CUD- 301415 QJB	INPUT TRANSFORMER OPERATES OVER RANGE OF 200-300 CPS WITH IMPEDANCE RATIO OF 200,000 TO 50,000 OHMS BETWEEN WINDINGS (3-5) AND (1-2). WINDING (1-2) HAS 4400 TURNS #40 GA E WIRE WITH 2110 OHMS DC RES. WINDING (3-5) HAS 8800 TURNS #40 GA E WIRE WITH 3310Ω 8/31/44 A4520 (C)WES0-661406 ISS 2 OCT. 44 KS-9519 ISS 1 APP 1		CCV- 301419 QJB	TRANSFORMER, INPUT IMPEDANCE RATIO OF 1 TO 81.4 BETWEEN WINDINGS (1-2) AND (3-5). PRI: (1-2) 55V 60 CPS, 400Ω DC AT 68°F; 1170 TURNS OF #40 GA E WIRE, SEC: (3-5) 495V., .0007 AMPS DELIVERED INTO AN IMPEDANCE WHICH (C)WES0-664123 ISS 3 KS-9239 AP 2 ISS 1 9/4/44 T-7358 *SEE ABOVE OCT. 44		CTH- 301425 LORAN C-1	FILTER CHOKES: RATED 12 HENRIES AT ZERO DC AND RATED 4 HENRIES AT 120 MA DC. RES. 160 OHMS DC 1600 VOLTS R.M.S. TEST. 9/4/44 CTH:T-57C54 CDU:DD-3368-B FEB. 45	
CUD- 301415	DC RES. TERMINAL 4 IS CENTER TAP ON WINDING (3-5).		CCV- 301419	HAS AN 86.6% CAPACITIVE POWER FACTOR 5.000Ω DC RES. AT 68F. 10,560 TURNS OF #40 GA E WIRE & TERMINAL (4) IS CENTER TAP FOR WINDING (3-5) AND OPERATES AT APPROX. 5V DC TO GROUND.		CTH- 301426 LORAN C-1	FILTER CHOKES: RATED 32 HENRIES AT ZERO DC AND 15 HENRIES AT 85 MA DC. RESISTANCE 375 OHMS DC. 1600 VOLTS R.M.S. TEST. 9/4/44 CTH:T-16C07 CDU:DD-3373-B FEB. 45	

Class 30—Transformers and Reactors

3.30-77

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CTH-301427	LORAN C-1	POWER TRANSFORMER: PRIMARY 253 VA, SECONDARY #1-900V AT 325 MA CT SEC #2 5 VOLTS, 6 AMPS; SEC #3 6.3 VOLTS, 4.25 AMPS.	CAEV-301432	LORAN MODEL C-1	POWER TRANSFORMER ASSEMBLY: PRI. (1-2) 115V, 1.65 AMPS, 60 CYCLES 393 TURNS #18 WIRE, 1780 VOLTS TEST TO GROUND SEC #1 (11-12-13) RATED 450-0-450 VOLTS CT, 0.150 AMPS, 3268 TURNS #27 WIRE *103-C421-A, 103-C422-A, 103-A-3341 9/5/44 CAEV:T-33 *SEE ABOVE SEPT. 44	CAEV-301436	LORAN MOD C	TRANSFORMER: PRI: (1-2) 115V, 60 CYCLE, 175 TURNS #18 WIRE, 1500V TEST TO GROUND, SEC #1 (3-4) 5V, 3A, 8 TURNS #18 WIRE; SEC #2 (5-6) 6.55V 2.5A, 10 TURNS #18 WIRE, *103A4341, -2, -3, -4, -5, 103A4785, SEC #3 103C579, 103C580 9/6/44 CAEV:T-44 *SEE ABOVE DEC. 44
9/4/44	CTH:T-15R08	CDU:DD-3367-C FEB. 45						
CCV-301428	QJB	POWER TRANSFORMER NOT DESIGNED FOR CONTINUOUS OPERATION BUT HAS A DUTY CYCLE OF EITHER 5 SECONDS ON EVERY 5 MINUTES OR 15 SECONDS ON EVERY HOUR. PRI: (1-2) 50Ω DC RES. AT 68F, 115V, 0.275 AMPS, 1080 TURNS #31 GA E WIRE. SEC: (3-4) 13.0Ω DC RES. AT 68F. 9/4/44 T-7359 (CM)ESG-624150 ISS 4 OCT. 44	CAEV-301432		1780 VOLTS TEST TO GROUND SEC #2 (3-4) 5V 3 AMPS, 18 TURNS #16 WIRE 1780V TO GROUND, SEC #3 (5-6) 5V 3 AMPS 18 TURNS #16 WIRE, 1780V TEST TO GROUND, SEC #4 (7-8) 6.3 VOLTS 6 AMPS, 24 TURNS #12 WIRE, 1730V TEST, SEC #5 (9-10) 6.5V 2.5 A, 24 TURNS #16 WIRE, 1780V TEST.	CAEV-301436		(7-8) 6.55V, 5A, 10 TURNS #18 WIRE, SEC #4 (9-10) 6.55V 1 AMP, 10 TURNS #19 WIRE; SEC #5 (11-12) 2.5V 1.75A, 4 TURNS #19 WIRE; SEC #6 (13-17) 2200 VOLTS, 1920 TURNS #30 WIRE, 1600 TURNS #38 WIRE TAPPED AT 720/560/1520 TURNS TERMINALS (13-14)/(14-15)/(15-16)/16-17) HAVE 450/150/600/1000 VOLTS.
CCV-301428		30V, 0.6 AMPS, 335 TURNS #20 GA E WIRE. SECONDARY CURRENT IS DELIVERED INTO AN IMPEDANCE WHICH HAS A 50% INDUCTIVE POWER FACTOR.	CCV-301433	QJB	TRANSFORMER OUTPUT IMPEDANCE RATIO OF 10,000 OHMS TO 8 OHMS BETWEEN WINDINGS (4-5) AND (1-2), 10,000 OHMS TO 600 OHMS BETWEEN WINDINGS (4-5) AND (1-3), WINDINGS (1-2A) CONSISTS OF 105 TURNS OF #23 GA E WIRE, 0.86 OHMS DC RES. (2B-3) HAS 800 TURNS 9/6/44 T-7206 (CM)ESO-640180 OCT. 44	CCT-301437	TBX-8	REACTOR WINDING 1-2: 0.5V, 0.007 HENRY ±10% AT 800-, 1.5Ω DC RES, 185 TURNS #24 SE COPPER WIRE, WINDING, 3-4: 1.0V, 0.049 HENRY ±10% AT 800-, 19.0Ω DC RES, 437 TURNS #32 DE COPPER WIRE, WINDING 5-6: *CG:H-7474171 PT 1, REV 0 9/7/44 CCI:D-15729 CQ:Q-C-CL-10010A FEB. 44
CCV-301429	QJB	POWER TRANSFORMER PRIMARY: (1-3) 635Ω DC RES. AT 68F, 750V 60 CPS, .053 AMPS, 5,000 TURNS #34 GA E WIRE, SECONDARY: (4-5) 4.0Ω DC RES. AT 68F, 35V, 0.7 AMPS, 252 TURNS #24 GA E WIRE, TERMINAL (2) IS CENTER TAP FOR WINDING (1-3), SECONDARY CURRENT IS DELIVERED INTO AN IMPEDANCE OF 50Ω WITH A 60% INDUCTIVE POWER FACTOR.	CCV-301433		OF #35 GA E WIRE 85.14 OHMS DC RES. (2A) AND (2B) SPLICED TOGETHER AND TERMINATED ON (2), WINDING (4-5) HAS 1133 OHMS DC RES. CONSISTS OF 3700 TURNS OF #35 GA E WIRE, ELECTROSTATIC SHIELDED BETWEEN (1-3) AND (4-5).	CCT-301437		1V, 0.107 HENRY ±10% AT 800-, 35.0Ω DC RES, 726 TURNS #32 DE COPPER WIRE, RATED 2.5 WATT MAXIMUM.
CCV-301429		LIVERED INTO AN IMPEDANCE OF 50Ω WITH A 60% INDUCTIVE POWER FACTOR.	CCV-301434	QJB	TRANSFORMER INPUT IMPEDANCE RATIO OF 1 TO 81.4 BETWEEN WINDINGS (1-2) AND (3-4), DESIGNED TO OPERATE AT 55 VOLTS MAXIMUM, 60 CPS APPLIED TO (1-2) WITH (3-4) DELIVERING .0007 AMPS AT APPROX 495 VOLTS INTO AN IMPEDANCE WHICH HAS 86.6% CAPACITIVE 9/6/44 T-7686 (CM)ESO-662943 OCT. 44	CG-301438	SP	TRANSFORMER PRI, 115V, 1 PHASE, 60 CYCLE, SEC, 115V CENTER TAPPER, 0.10 AMPS, 0.0115 KVA. 9/8/44 (CG)K8691275 (CG)K8691275 OCT. 44
CHL 301430	QJB	INPUT TRANSFORMER CONSISTS OF A TRANSFORMER AND A RETARDATION COIL COMBINED IN ONE CASE & USED AS A DOUBLE-TUNED, BAND-PASS TRANSFORMER. IMPEDANCE RATIO BETWEEN WINDINGS (1-A) AND (3-5) IS 75,000 TO 100,000 OHMS & PASSES A BAND OF APPROXIMATELY 9/4/44 CML:KS-9562 CM:ESO-656882 NOV. 44	CCV-301434		POWER FACTOR, WINDING (1-2) 55/1760 HAS 400 OHMS DC RES. CONSISTS OF 1170 TURNS OF #40 GA E WIRE, WINDING (3-4) HAS 5,000 OHMS DC RES, 10500 TURNS OF #40 GA E WIRE.	CRV-301439	T3K	TRANSFORMER, AUDIO: PRIMARY IMPEDANCE AT 1.0 VOLT, 60 CYCLES AC, 0 AMPS, IS 135 OHMS DC MIN, TURNS RATIO: 1 TO 1 1/2±5% FROM PRIMARY (WINDING 5-7) TO SECONDARIES (WINDINGS 1-2 AND 3-4), PRI, CONSISTS OF 460 TURNS *CRV:K-901767, SUB 2 9/9/44 CRV:XT-4625 CRV:M-438247-1 FEB. 45
CHL 301430		165 TO 300 CPS, TRANSFORMER PRIMARY: (1-A) 6390 TURNS #39GA E WIRE, 1200Ω DC RES, TRANS, SEC: (3-5) C.T. 11500 TURNS OF #40 GA E WIRE, 4050Ω DC RES, RETARDATION COIL (A-2) 9180 TURNS #37 GA E WIRE, 1280Ω DC RES, INDUCTANCE 26.55 TO 32.45 HENRIES.	CAT 301435	QJB	VARIABLE TRANSFORMER PRI: 115/1760 CONSISTS OF 142 TURNS OF #16 GA E SEC WIRE WITH .60Ω DC RES, 4.0 AMPS, SEC: CONSISTS OF 142 TURNS OF .025 X .125" RIBBON WITH .62 OHMS DC RES, 3.0 AMPS MAX, USED WITH STANDARD NAVY TYPE 7G SYNCHRO GENERATOR, SOUTPUT VOLT- 9/6/44 SPEC #32566 CW:KS-15059 SEPT. 44	CRV-301439		0.008E WIRE WITH DC RES. OF 23 OHMS AND IS CENTER TAPPED, 2 SECONDARIES EACH CONSISTING OF 690 TURNS 0.0063E WIRE WITH DC RES. OF 70 OHMS.
CAEV-301431	LORAN C-1	FILAMENT TRANSFORMER ASSEMBLY: PRIMARY -115/1760 2820 TURNS #40E WIRE SECONDARY - 12.2 VOLTS, .015 AMPS, 300 TURNS #29 WIRE, THE ASSEMBLY CONSISTS OF THE TRANSFORMER, SURROUNDED BY A HARD WAX-FILLING COMPOUND, MOUNTED IN A METAL CAN. 9/5/44 CAEV:-7A 103-8639 SEPT. 44	CAT 301435		AGES. OF SEC. VARY IN ACCORDANCE WITH SINE WAVE (0-90 VOLTS) 3 PHASES, 120° APART.	CRV-301440	T8K	TRANSFORMER, FILAMENT PRI: 100 VOLTS, 50/60 CYCLES, 1.18 AMPS, 1500 VOLTS HI-POT 340 TURNS OF 0.032E WIRE, DC RES OF 1.57 OHMS SEC: #1 10.2V 5.0 AMPS, CENTER TAPPED 36 TURNS 0.0641E WIRE, DC RES. OF 0.0661 OHMS, SEC #2: *CRV:K-901768, SUB 2 9/9/44 CRV:XT-4571 CRV:M-438248-1 FEB. 45

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RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
10.2 VOLTS 5.0 AMPS. CENTER TAPPED. 36 TURNS 0.072E WIRE WITH 0.0595 OHMS DC RES.		CRV-301440	.0001016 OHMS DC RES. KVA RATINGS 3.42. 4000V HIGH POTENTIAL TEST FROM ALL COILS TO GROUND AND 2000V TEST BETWEEN THE TWO 115V WINDINGS.		CARX-301444	CW-301450		QJB TRANSFORMER. FILAMENT PRI: (1-2) 115/1160. 0.69 AMPS 3.2 OHMS DC RES. CONSISTS OF 348 TURNS OF #22 GA E WIRE. SEC: WINDINGS 3-4/5-7/8-10 CONSISTS OF 8 1/2/21/20 1/2 TURNS OF #15/ #15/#20 GA E WIRE. 0.0096/0.047/0.159 OHMS DC RES. 2.6/6.4/6.4 VOLTS 10.0/9/18/44 D-161912 (CG)M-643016 OCT. 44 ISS. 1
CRV-301441		TBK TRANSFORMER. FILAMENT PRI: 100 VOLTS. 50/60 CYCLES. 0.4 AMPS. 1500 VOLTS HI-POT CONSISTING OF 480 TURNS 0.0179E WIRE DC RES. OF 7.13 OHMS. SEC: 166 VOLTS ±5 NO LOAD. 155 VOLTS FULL LOAD. 0.2 AMPS. 1500 VOLTS HI-POT. *CRV:K-901770 SUB 1 9/9/44 CRV:XT-4581 CRV:M-438249-1 FEB. 45 SUB 0 *	CG-301445		SK-1M RE 13A 553 TRANSFORMER. PULSE 60 CYCLE. SINGLE PLEASE PRI. 200V. SEC 200V. 8A PEAK; PRI. 180 TURNS .005" E WIRE DC RES. 2.38 OHMS. SEC 180 TURNS .005" E WIRE DC RES. 2.53 OHMS. 1500V. HIPOT ON PRI. SECONDARY IS GROUNDED. TERMINALS 2 AND 3 CAN BE CONNECTED TO 9/13/44 M-7467838 (CG)M-7467838 OCT. 44 REV 5	CW-301450		5.5/1.0 AMPS 1200/1000/1000 VOLTS DC TO GROUND. (3-4) WOUND AS PARALLEL PAIR. (6) CT OF (5-7). (9) IS TAP 10 TURNS FROM (8).
		CRV-301441	PRODUCE A SINGLE WINDING.		CG-301445	CAT-301451		QJB TRANSFORMER AUTO VARIABLE RATED 1.1 KVA. INPUT 95-130 VOLT. OUTPUT 115 VOLTS 9.5 AMPS MAX. CONSISTS OF 2 COILS. #1/#2 HAS 182/35 TURNS OF #18ga EN/ #9 SPARE WIRE. 0.23/0.019 OHMS DC RES. SO ARRANGED THAT IS IN EFFECT CONTINUOUS TAPPED BY HAVING WINDING CONDUCT-9/18/44 SPEC:32145 KS-5936 LIST 03 OCT. 44 ISS 1 AP 1
CRV-301442		TBK TRANSFORMER. MODULATOR PRIMARY IMPEDANCE WITH SEC. CIRCUIT OPEN AT 30 VOLTS. 60 CYCLES. AND 0.198 AMPS ON SEC. IS 5500 OHMS 1:14 KVA. SEC: IMPEDANCE 5500 OHMS. 0.198 AMP. DC PRI CONSISTS OF 2220 TURNS 0.0159E WIRE. #CRV:K-901769. SUB 1 9/9/44 CRV:XT-4574 CRV:M-433252-1 FEB. 45 SUB 0 *	CG-301446		SK-1M VOLTAGE REGULATING TRANSFORMER: AUTO-TRANSFORMER RATED 0.617 KVA. 115 VOLTS ±17.65%. SINGLE PHASE. 50-60 CYCLES. 30.4 AMPS. ROTOR 142 TURNS .0403 HF WIRE. DC RES. 0.370 OHMS AT 75 DEG. C. STATOR 28 TURNS .0359 HF WIRE DC RES. .0295Ω AT 75 DEG. C. 9/13/44 3263409 (CG)M-7470869 OCT. 44 REV.66	TORS		CAT-301451 EXPPOSED WHICH FUNCTIONS AS A COMMUTATOR AND ON WHICH BRUSHES MOUNTED ON A HAND OPERATED SHAFT MAY BE MOVED TO CHANGE THE WINDING RATIO.
		CRV-301442	CG-301447		SK-1M TRANSFORMER 50/60-. 1 PHASE. 0.080 KVA PRI. 115V. SEC. 980V. 0.081A PRI. 258 TURNS .0285 E WIRE. 2.25 OHMS DC RES. SEC. 2280 TURNS 0.0113 E WIRE 175 OHMS DC RES. PRI. HIPOT 1500V. SEC. HIPOT 5000V. PRI CURRENT IS 0.93 AMPS. 656 9/13/44 M-7470656 (CG)M-7470656 OCT. 44 REV 4	CG-301452		SP-1M TRANSFORMER RATED 0.032 KVA. PRI. 115 AND 230/1/60. SEC 20 VOLTS. 1.6 AMPS. PRI CONSISTS OF SINGLE WINDING OF 546 TURNS 0.0201" E WIRE 6.83 OHMS DC RES. AND 546 TURNS 0.0142" E WIRE WITH 16.25 OHMS DC RES. IS TAPPED FOR 115 VOLT OPERATION ACROSS 9/19/44 M-7471994 (CG)M-7471994 OCT. 44 REV. 1
CENTER TAPPED. WITH DC RES. OF 112 OHMS. SEC #1 CONSISTS OF 2220 TURNS 0.0159E WIRE WITH DC RES. OF 135 OHMS. SEC #2 CONSISTS OF 444 TURNS 0.0071E WIRE TAPPED AT 88 TURNS. DC RES OF 99 OHMS.		CRV-301442	CG-301448		SK-1M TRANSFORMER 50/60 CYCLES SINGLE PHASE. .0215 KVA PRI. 115V. SEC #1/#2/7/3. 6.3/6.3/5 VOLTS AND 1.2/0.6/2 AMPS; PRI: 707 TURNS .0142 E WIRE. 15.44 OHMS DC RES.; SEC #1: 43 TURNS .0320 E WIRE. 0.285 OHMS DC RES.; SEC. #2: 43 TURNS .0226 E WIRE. 0.61 9/13/44 M-7470634 (CG)M-7470634 OCT. 44 REV 3	CG-301452		CG-301452 FIRST 546 TURNS. ENTIRE PRI. IS USED FOR 230 VOLT OPERATION. SEC. CONSISTS OF 102 TURNS 0.042" E WIRE WITH 0.431 OHMS DC RES. PRI. HIPOT IS 2500 VOLTS. SEC. HIPOT IS 1500 VOLTS. ELECTROSTATIC SHIELD BETWEEN PRI. AND SEC. IS GROUNDED.
CML-301443		QJB TRANSFORMER OUTPUT HAS IMPEDANCE RATIO OF 3700 TO 400 OHMS BETWEEN SECONDARY (7-9) AND PRIMARIES (1-2). (3-5) OVER A FREQ. RANGE OF 21 TO 26 KC. THIS IMPEDANCE RATIO OBTAINED ONLY WHEN NAVY TYPE -47415 IS CONNECTED TO TERMINALS 2 & 3. PRIMARY CONSISTS OF 9/1/44 KS-9521 (CW)S0-661577 OCT. 44 ISSUE 1	CG-301448		SK-1M TRANSFORMER OHMS DC RES. SEC #3: 34 TURNS .0403 E WIRE 0.122 OHMS DC RES. PRI. HIPOT 1500 SEC HIPOT 3500V. PRIMARY CURRENT IS 0.25 AMPS.	CG-301453		UE-1 INPUT TRANSFORMER IMPEDANCE RATIO OF 600 TO 360,000 OHMS BETWEEN PRI. AND SEC. OPERATING FREQUENCY IS 800 CPS. PRI. HAS 90 TURNS #23 GA E WIRE WITH MAX. DC RES. OF 0.75 OHMS AT 68F. SEC. HAS 2210 TURNS #28 GA EN WIRE WITH MAX. DC RES. OF 60.0 OHMS AT 68F. 9/19/44 D-168816 (CW)BA-103558 OCT. 44 ISS. 1
2 WINDINGS (1-2) (3-6). 163/120 TURNS OF #1-#53 GA E STRANDED DN WIRE. 0.52/0.65 OHMS DC RES. (3-6) TAPPED AT 88/103 TURNS. 0.46/0.55 OHMS DC RES. SEC (7-9) CONSISTS OF 680 TURNS 7-35 GA E STRANDED DN WIRE. 172 OHMS DC RES. C.T. AT TERMINAL 8.		CML-301443	CG-301449		SK-1M TRANSFORMER 50/60 CYCLES. SINGLE PHASE. .089 KVA. RATINGS: PRI. 115V. SEC. 13.5V AT 6.6 AMPS; PRI: 350 TURNS OF .0285" E WIRE. 2.78 OHMS DC RES. SEC: 44 TURNS OF 0.080 E WIRE. 0.0575 OHMS DC RES. PRI AND SEC HIPOT 1500V PRI CURRENT 0.89 AMPS. 9/13/44 M-7470656 (CG)M-7470656 OCT. 44 REV 3	CG-301453		UE-1 INPUT TRANSFORMER IMPEDANCE RATIO OF 600 TO 360,000 OHMS BETWEEN PRI. AND SEC. OPERATING FREQUENCY IS 800 CPS. PRI. HAS 90 TURNS #23 GA E WIRE WITH MAX. DC RES. OF 0.75 OHMS AT 68F. SEC. HAS 2210 TURNS #28 GA EN WIRE WITH MAX. DC RES. OF 60.0 OHMS AT 68F. 9/19/44 D-168816 (CW)BA-103558 OCT. 44 ISS. 1
CARX-301444		SK-1M TRANSFORMER 50/60 CYCLES. PRI: 78 TURNS PER LEG SERIES - MULTIPLE CONNECTED FOR 230V 14.9A OR 115V 29.7A WIRE SIZE .115" X .160" DPSC. .0938 OHMS DC RES. SEC: 5.7V 600A 2 TURNS PER LEG CONNECTED MULTIPLE WIRE SIZE .027" X 6.375" COPPER SHEET 9/13/44 M-7472067 CG:M-7472067 FEB. 45 PT 1 REV 0	CG-301449		SK-1M TRANSFORMER 50/60 CYCLES. SINGLE PHASE. .089 KVA. RATINGS: PRI. 115V. SEC. 13.5V AT 6.6 AMPS; PRI: 350 TURNS OF .0285" E WIRE. 2.78 OHMS DC RES. SEC: 44 TURNS OF 0.080 E WIRE. 0.0575 OHMS DC RES. PRI AND SEC HIPOT 1500V PRI CURRENT 0.89 AMPS. 9/13/44 M-7470656 (CG)M-7470656 OCT. 44 REV 3	CG-301453		UE-1 INPUT TRANSFORMER IMPEDANCE RATIO OF 600 TO 360,000 OHMS BETWEEN PRI. AND SEC. OPERATING FREQUENCY IS 800 CPS. PRI. HAS 90 TURNS #23 GA E WIRE WITH MAX. DC RES. OF 0.75 OHMS AT 68F. SEC. HAS 2210 TURNS #28 GA EN WIRE WITH MAX. DC RES. OF 60.0 OHMS AT 68F. 9/19/44 D-168816 (CW)BA-103558 OCT. 44 ISS. 1

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Class 30—Transformers and Reactors

3.30-79

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CRP-301454	FOR USE WITH SG-3	17T20 POWER TRANSFORMER 2 PRIMARIES: WHEN CONNECTED IN PARALLEL RATED 220/1/60; WHEN CONNECTED IN SERIES RATED 440/1/60. PRIMARY #1: 130 TURNS; .07 X .14 DC WIRE; OHMS DC RESISTANCE; PRIMARY #2: 130 TURNS; .07 X .140 DC WIRE; .20 OHMS DC 9/21/44 U-8755-B CRP:74-1039 OCT. 44 SUB 8	CAT-301460	TEB & TEC PLATE TRANSFORMER RATED 67.3 KVA, 50/60 CYCLES. PRIMARY: 230/3/60 DELTA CONNECTED. SECONDARY 6200V DELTA CONNECTED. PRIMARY TAPPED AT 110/100/90/80/70/60/50% OF SECONDARY VOLTAGE; OIL INSULATED, SELF-COOLED. 9/30/44 RT OCT. 44 SPEC 32889	CAT-301468	TEB & TEC PLATE TRANSFORMER OIL INSULATED SELF COOLED. RATED 26.3 KVA 50/60 CYCLES. PRIMARY 230/3/60, DELTA CONNECTED. SECONDARY - 5160V DELTA CONNECTED. PRIMARY TAPPED TO PROVIDE 110/100/90/80/70/60/50% OF SECONDARY VOLTAGE. 10/2/44 RT OCT. 44 SPEC 32911		
CRP-301454	RESISTANCE. SECONDARY RATED 125 VOLTS, TAPPED AT 115 VOLTS; 26.2 AMPS. 75 TURNS TAPPED AT 69; .09X .30 DC WIRE; .045 OHMS DC RESISTANCE.		CAT-301461	TEB & TEC FILAMENT TRANSFORMER RATED 5.35 KVA (4.02 KW); PRIMARY - 220 VOLTS 50/60 CPS. 480 AMPS. MAX. SECONDARY - 12.6 VOLTS, CT. AT 6.3 VOLTS. 320 AMPS. 480 AMPS MAX. STARTING CURRENT. 9/3 /44 SPEC 32948 OCT. 44	CCV-301469	QJB POWER TRANSFORMER WITH 115V.. 60 CPS. APPLIED TO PRI WINDINGS (1-2), (1-3) OR (1-4). SEC. WINDINGS (5-6)(6-7)(8-9)(9-10) WILL EACH SUPPLY 375, 300, OR 225V. WITH 115V.. 60 CPS. 0.26 AMPS APPLIED TO PRI (1-2). SEC. #CHIKS-9242 ISSUE 1 10/2/44 T-7361 CHIESO-654457 FEB. 45 ISS 4		
-301455	HXsr-73875 POWER TRANSFORMER PRIMARY (1-2) 115/1/60; 176 TURNS #18 WIRE 1500V TO GROUND. SECONDARY 1/2/3/4/5/6 RATED 5.0/6.3/6.3/6.3/2.5/2020 VOLTS WITH SEC. #6 TAPPED AT 360/510/1020 VOLTS 3.0/1.0/5.0/2.5/1.75 AMPS; VOLTS TO GRD. 9/23/44 (CAEVIT-49 CAKS: C319 FEB. 45 (CAKS)15302		CAT-301462	TEB & TEC VOLTAGE REGULATING TRANSFORMER: RATED 4.05 KVA. 50/60 CYCLES. 230/130 VOLTS INPUT, 0-260 VOLTS OUTPUT. 9/30/44 TH2 X 9B OCT. 44 SPEC (2)-24131	CCV-301469	WINDINGS (5-7)(8-10) WILL EACH DELIVER A CONTINUOUS LOAD UP TO 0.04 AMPS. PRI:(1-4) 568 TURNS #24 GAE WIRE, 9.5Ω DC AT 68°F. TERM 2 TAPPED 340 TURNS FROM TERM 1, TERM 3 TAPPED 425 TURNS FROM TERM 1, SEC(5-7)2316 TURNS #36 GAE WIRE, 760Ω DC AT 68°F. TERM 6 IS CENTER TAP. (8-10) 2316 TURNS #36 GAE WIRE, 860Ω DC AT 68°F. TERM 9 IS CENTER TAP.		
-301455	1500/4000/1500/1500/4000/4000; WINDINGS (3-4) 8 TURNS #15 WIRE/(9-10) 10 TURNS #19 WIRE/ (7-8) 10 TURNS #12 WIRE/ (5-6) 10 TURNS #15 WIRE/ (11-12) 4 TURNS #16 WIRE ON SECONDARY #6 (13-16), 1632 TURNS #30 WIRE, TAPS AT (14) 576 TURNS, (15) 816 TURNS. FROM (16-17) 1600 TURNS #38 WIRE. KVA RATING -0.180 KVA.		CAT-301463	TEB & TEC POWER TRANSFORMER RATED 1 KVA, 50/60 CYCLES. DOUBLE WOUND. PRIMARY - 110 VOLTS SECONDARY - 36 VOLTS. 9/30/44 W OCT. 44 SPEC 32930	CAY-301470	TAB-5, 6, 9, 7, 2TBU-1, 3, 4 POWER TRANSFORMER: RATED 6.6 VA., 60 CYCLES. CONSISTS OF 2 PRIMARIES - INPUT 110/220 WITH PRIMARY CONNECTED PARALLEL/SERIES. PRI. #1: 1720 TURNS #36 EN WIRE WITH 160 OHMS + 15% DC RES. PRI. #2: 1720 TURNS #36 EN WIRE *CAY:M-7417964 SUB 0 10/12/44 L-423156 CAY:T-7604719-G16 MAY 45 SUB. 48		
CAT-301456	TEB & TEC REACTOR FILTER 0.25 HENRIES AT 440 VOLTS. 300 CYCLES PER SECOND, RATED 8.5 DC AMPS., 0.8 OHMS DC RES. AT 75°C. 8800 VOLTS DC OPERATING. OIL INSULATED, SELF-COOLED. 9/28/44 RS FEB. 45 SPEC 32910		CAT-301464	TEB & TEC FILAMENT TRANSFORMER RATED 50 VA. PRIMARY - 240 VOLTS, TAPPED AT 210/220/230 VOLTS SINGLE PHASE 50/60 CYCLES. SECONDARY - 5 VOLTS AT 10 AMPS, CT. AT 2.5 VOLTS. SEC. TEST VOLTAGE 35 KV RMS 60 CYCLES. 9/30/44 EFS-1827 OCT. 44 SPEC 26395	CAY-301470	WITH 246 OHMS ±15% DC RES. SEC: 11.0 VOLTS, 0.50 AMPS, 1.35 OHMS ±15% DC RES. 198 TURNS #24 EN WIRE. TEST VOLTAGE 1500V.		
CAT-301457	TEB & TEC VOLTAGE REGULATING TRANSFORMER: RATED 2.86 KVA, 50/60 CYCLES, 230/130 VOLTS INPUT 0-260 VOLTS OUTPUT. 9/28/44 TH-11B OCT. 44 SPEC 24132		CAT-301465	TEB & TEC PLATE TRANSFORMER RATED 2.5 KVA, 50/60 CYCLES. PRIMARY 230V CT AT 115V. SEC. 1500V. CT AT 750V. SEC. TEST VOLTAGE - 7500V RMS 60 CYCLES. 9/30/44 W OCT. 44 SPEC 30900	CAY-301471	TAB-5 POWER TRANSFORMER: RATED 6.6 VA., 25 CYCLES. CONSISTS OF TWO PRIMARIES - INPUT 220/440V WITH PRIMARY CONNECTED PARALLEL/SERIES. TOTAL PRIMARY DC RESISTANCE IS 1300 OHMS ± 15% PRI. #1: 2600 TURNS #38 EN WIRE. #2: 2600 TURNS #38 EN WIRE. *CAY:M-7417969 SUB 0 10/12/44 L-423162 CAY:T-76059750-7 MAY 45 SUB. 22		
CAT-301458	TEB & TEC AUTO TRANSFORMER RATED 15 KVA, 50/60 CYCLES. PRIMARY 230 VOLTS THREE PHASE, THREE-WIRE; SECONDARY 230 VOLTS, TWO PHASE, FOUR-WIRE. 9/28/44 W SPEC 32880 OCT. 44 & 32881		CAT-301466	TEB & TEC FILAMENT TRANSFORMER RATED 1.2 KVA, (0.840 KW). 50/60 CYCLES. PRIMARY - 230 VOLTS. SECONDARY - 30 VOLTS; CT. AT 15 VOLTS OPEN CIRCUIT, 21 VOLTS CT. 10.5 VOLTS AT 40 AMPS. SEC. TEST VOLTAGE -2500 VOLTS RMS 60 CYCLES. OPEN FRAME. HIGH REACTANCE TYPE. 10/2/44 DE(OPEN FRAME) OCT. 44 SPEC 32944	CAY-301471	PRI. #2: 2600 TURNS #38 EN WIRE, SEC: 11.0 VOLTS, 0.6 AMPS 1.5 OHMS ± 15% DC RES. 120 TURNS #24 EN WIRE. TEST VOLTAGE 1500 RMS.		
CAT-301459	TEB & TEC PLATE TRANSFORMER RATED 1.9 KVA, PRIMARY 230 VOLTS, 50/60 CYCLES. SECONDARY #1,2,3 1560/1040/600 VOLTS CT. AT 720/520/300 VOLTS. SECONDARY TEST VOLTAGE 5000 VOLTS RMS 60 CYCLES. 9/29/44 W OCT. 44 SPEC. 32929		CAT-301467	TEB & TEC FILAMENT TRANSFORMER RATED 100 VA 50/60 CYCLES. PRIMARY 240V TAPPED AT 210/220/230V. SECONDARY 5 V CT AT 2.5V. SEC TEST VOLTAGE - 35 KV RMS 60 CYCLES. 10/2/44 W OCT. 44 SPEC 32933	CG-301472	XTDZ.TDZ REACTOR: RATED AT .025 HENRIES AT 1.36 AMPS DC. 1500 VOLTS TEST. 115 TURNS OF .0505" E WIRE. 0.253 OHMS RESISTANCE. 10/12/44 M-7470602 M-7470602 NOV. 44 REV. 1		

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NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG-301473	XTDZ,TDZ		CG-301478	XTDZ,TDZ		CG-301485	XTDZ,TDZ	
REACTOR: RATED AT 3.0 HENRIES AT 0.56 A.D.C. 2000 VOLTS TEST. 1103 TURNS .0226" E WIRE. 20 OHMS RESISTANCE.			REACTOR: RATED AT 4 HENRIES AT 0.445 AMPS DC. 36.8 OHMS DC RESISTANCE. 2000 VOLTS TEST 1650 TURNS OF .0201" E WIRE.			REACTOR: 150 HENRIES AT 0.005 AMPS D.C. 1500 VOLTS TEST. 17250 TURNS OF .0031" E WIRE. RESISTANCE 6180 OHMS.		
10/12/44	M-7470664	M-7470664	10/12/44	M-7471984	M-7471984	10/12/44	M-7472420	M-7472420
FEB. 45		REV. 1	NOV. 44		REV. 2	DEC. 44		REV. 1
CG-301474	XTDZ,TDZ	RE 13A 553	CG-301479	XTDZ,TDZ		CG-301486	XTDZ,TDZ	RE13A553
REACTOR: RATED AT 5.0 HENRIES AT .010 A.D.C. 1500 VOLTS TEST. 1386 TURNS .0071" E WIRE. 108 OHMS RESISTANCE.			REACTOR: 4 HENRIES AT 0.445 AMPS DC. 38 OHMS DC RESISTANCE.			REACTOR: 3.62 HENRIES TAPPED AT 3.29 AND 2.86 HENRIES. AT 0.003 AMPS D.C., 2500 MAX. RESISTANCE. 2650 TURNS OF .0071" E WIRE. RESISTANCE 223 OHMS.		
10/12/44	M-7470666	CG-7470666	10/12/44	M-7471984	M-7471984	10/12/44	M-7472421	CG:M-7472421
NOV. 44		REV. 2	NOV. 44		REV. 2	DEC. 44		REV. 1
CG-301475	XTDZ,TDZ	RE 13A 553	CG-301480	XTDZ,TDZ	RE 13A 553	CG-301487	XTDZ,TDZ	RE13A553
TRANSFORMER: 200 TO 3500 CYCLES; PRI. 765V. SEC. #1 425V., #2 27V., #3 EOC 40V. PRI 22GG WINDING .0142" E WIRE 59.3 RES. 0.28 AMPS SEC #1 2090 WINDING .0100" E WIRE 150 RES 0.141 AMPS. SEC #2 134 WINDING .0045" E WIRE 52.8 RES .0225 AMPS. SEC #3 398 WIRE 52.8 RES .0225 AMPS. SEC #3 398			REACTOR: 5.3 HENRIES AT 0.175 AMPS DC. 66.4 OHMS DC RESISTANCE. 2000 VOLTS TEST. 1870 TURNS OF .0126" E WIRE.			TRANSFORMER, OUTPUT (AUDIO TYPE); VOLTAGE RATIO PRI TO 1/2 SEC. 2.92, SEC. LOAD 2500 PER HALF SEC. REFLECTED PRI. LOAD 158500, 2000 VOLT TEST. PRI: 964 TURNS OF .0071" E WIRE; RES. 77.4Ω. SEC: 660 TURNS OF .0113" E WIRE. 25.3 OHMS.		
10/12/44	M-7471978	CG-7471978	10/12/44	M-7471985	CG:M-7471985	10/12/44	M-7472422	CG:M-7472422
FEB. 45		REV. 1	FEB. 45		REV. 1	DEC. 44		REV. 1
CG-301475			CG-301481	XTDZ,TDZ	RE 13A 553	CPB-301488	ST	
WINDING .0035" E 254 RES .008 AMPS. 2500 VOLT TEST ON PRI & SEC #1, 1500 VOLT TEST ON SEC #2 AND 3.			REACTOR: 6.6 HENRIES AT 0.175 AMPS DC. 117.2 OHMS DC RESISTANCE. 1500 VOLTS TEST. 3410 TURNS OF .0126" E WIRE.			SOLENOID, ROTARY COIL RATED AT 27 1/2V DC., 7 1/2Ω START; 2500 HOLD. TORQUE OF 16" OUNCES, SECTION #1: 550 TURNS #27 GA E WIRE, SECTION #2: 1800 TURNS #36 GA E WIRE, 30° ROTATION. CONSISTS OF A SINGLE OPERATING COIL, CORE, AND A MAGNETIC FIELD STRUCTURE		
10/12/44	M-7471986	CG:M-7471986	10/12/44	M-7471986	CG:M-7471986	10/16/44	324	CW:KS-15073-5
NOV. 44		REV. 1	NOV. 44		REV. 1	DEC. 44		ISSUE 1
CG-301476	XTDZ,TDZ		CG-301482	XTDZ,TDZ		CPB301488		
TRANSFORMER 50/60 CYCLES. .070 KVA. PRI: 110V. PRI 581 WINDING .0201" F WIRE 6.73Ω RES. SEC #1 16 WINDING 2-.0571" F WIRE .0147Ω RES 2.5CT 1.25V 7 AMPS. SEC #2 16 WINDING .0571" F WIRE .0302Ω RES 2.5CT 1.25V 7 AMPS. SEC #3 16 WINDING .0571" F WIRE 10/12/44 M-7471979 M-7471979 FEB. 45 REV. 1			TRANSFORMER: 50/60 CYCLES .095 KVA. PRI: 110 VOLTS. SEC: 180V. TAPPED AT 176V. & 166V., 0.53 AMPS. 1500 VOLT TEST PRI: 392 TURNS OF .0305" F WIRE; 2.32Ω RES. SEC. 685 TURNS 0.0253" F WIRE RES. 8.02 OHMS.			MAGNETIC FIELD STRUCTURE IS STATIONARY WHILE CORE IS FREE TO ROTATE 30° WHEN COIL IS ENERGIZED. WHEN COIL IS DEENERGIZED THE CORE IS RETURNED TO ITS NORMAL POSITION BY MEANS OF AN EXTERNAL SPRING ASSOCIATED WITH THE UNIT.		
10/12/44	M-7471979	M-7471979	10/12/44	M-7471999	M-7471999	10/17/44	W-5759	DX 91-854
FEB. 45		REV. 1	FEB. 45		REV. 1	DEC. 44		SUB 0
CG-301476			CG-301483	XTDZ,TDZ	RE 13A 553	CRP-301489	GEN. RADIO USE	
.0326Ω RES 2.5CT 1.25V 14 AMPS.			TRANSFORMER: 50/60 CYCLES .020 KVA. PRI. 110V. SEC. 19.4 TAPPED AT 17.8V., 17W. & 16.3V., 1.04 AMPS. 1500 VOLT TEST. PRI: 501 TURNS. .0179" E WIRE; RES. 8.77 OHMS. SEC: 93 TURNS .0385" E WIRE RES 0.44 OHMS.			LINE VOLTAGE REGULATOR PRIMARY: 440/220/115V; 1.5/3/6 AMPS. SINGLE PHASE; 57 TO 63 CYCLES SECONDARY: 115V; 4.35 AMPS; 0.5 KVA; 85% P.F. CONSISTS OF VARIABLE TRANSFORMER, 6 CAPACITORS. VARIABLE CHOKE, AND FILTER REACTOR.		
10/12/44	M-7472413	CG:M-7472413	10/12/44	M-7472413	CG:M-7472413	10/17/44	W-5759	DX 91-854
FEB. 45		REV. 1	FEB. 45		REV. 1	DEC. 44		SUB 0
CG-301477	XTDZ,TDZ		CG-301484	XTDZ,TDZ	RE 13A 553	CRP-301490	GEN RADIO USE	
TRANSFORMER 50/60 CYCLES. 0.080 KVA. 1500 V. TEST PRI 110V 600 WINDING 0.0201" F WIRE 7.04 RES. SEC #1 6.3V 1.2A 42 WINDING 0.0226" F WIRE .47 RES. SEC #2 6.3V 1.2A 42 WINDING 0.0226" F WIRE .50 RES. SEC #3 6.3V 1.2A 43 WINDING 0.0226" F WIRE .527			TRANSFORMER, OUTPUT (AUDIO TYPE); 100-5000 CYCLES. VOLTAGE RATIO PRI. TO SEC. 1.25. PRI. 481 TURNS #0.0063" E WIRE 47.2Ω DC RES. 960Ω LOAD RES. 0.00855 AMPS APPROX. SEC. 400 TURNS #0.0071" E WIRE 34.4Ω DC RES. 600Ω LOAD RES. 0.00114 AMPS APPROX. TER. 140 TURNS			LINE VOLTAGE REGULATOR PRIMARY: 115V; 6 AMPS; SINGLE PHASE 57 TO 63 CYCLES. SECONDARY: 115V, 4.35 AMPS 0.5 KVA; 85% P.F. CONSISTS OF VARIABLE TRANSFORMER, 4 CAPACITORS, VARIABLE CHOKE AND FILTER REACTOR.		
10/12/44	M-7471981	M-7471981	10/12/44	M-7472419	M-7472419	10/17/44	W-5763	DX 91-856
FEB. 45		REV. 3	FEB. 45			DEC. 44		SUB 0
CG-301477			CG-301484			CML301491	OCB	
RES. SEC #4 6.3V 1.2A 43 WINDING 0.0226" F WIRE .553 RES. SEC #5 6.3V 7.8A 43 WINDING 0.061" F WIRE 0.0829 RES.			#0.0126" E WIRE 4.2 DC RES. 40Ω LOAD RES .102 AMPS APPROX. HIGH POTENTIAL TEST 100CV. ALL COILS.			FILTER CHOKE RATED 25 HENRIES -10% + 50% AT 10 VOLTS 60 CPS WITH 60 MA DC FLOWING THROUGH WINDING. 275 OHMS ± 10% DC RES. AT 20°C. MAX. TEMP. RISE OF WINDING OR CORE NOT TO EXCEED 40°C WITH 65 MA DC AND 40 VOLT AT 120 CPS. POTTED IN CVD TYPE 100 CASE.		
10/12/44	M-7471981	M-7471981	10/12/44	M-7472419	M-7472419	10/12/44	A-4609A	CML:03026
FEB. 45		REV. 3	FEB. 45			DEC. 44		ISS 0

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		CHL-301491 CONSISTS OF 4550 TURNS OF #30 EN WIRE.	CAY-301497 TBK-11 TRANSFORMER * PRIMARY: 100V., .012 AMPS, 710 OHMS DC RES. ± 15%, 3400 TURNS #33 ENAM. WIRE. SEC.: 125V 10 AMPS .009 OHMS DC RES. ± 15% 8 TURNS #12 SCC E WIRE. OPERATION FROM 1.2 VA. 25 CYCLES. AIR CORE.			CW-301503 MARK 20 MOD 1 TRANSFORMER POWER PRI: (1-2) 115V., 400 CPS, 0.67 AMPS.; 505 TURNS #24 E WIRE, 3.8 OHMS DC RESISTANCE. SEC. #1 (3-4): 5.1V., 6.0 AMPS + 550V DC TO GROUND, 24 TURNS #15 E WIRE, 0.056 OHMS RESISTANCE. SEC. #2 (5-6): 6.4V. 5.0 AMPS, + 300V. DC TO GROUND. 30 11/9/44 D-166532 BA-103942 DEC. 44 ISS 1		
		CHL-301492 OCB POWER TRANSFORMER PRI: 115/250V. 50-70 CPS. SEC #1: 280 ± 5V. AT 60 MA DC ACROSS 40 MFD. FILTER INPUT CONDENSER WITH 6 X 5 GT FULL WAVE RECTIFIER. SEC. #2: 6.3V AT 3.0 AMPS. MAX. TEMP. RISE AT RATED LOADS NOT TO EXCEED 50°C. POTTED IN CUD TYPE 100 CASE. 10/18/44 A-4610C CHL:03037 DEC. 44 ISS 2	CRP-301498 SG-3 LINE VOLTAGE REGULATOR PRIMARY: 115/220/440 VOLTS; 42/21/10.5 AMPS; 57 TO 63 CYCLES; SINGLE PHASE. SECONDARY: 400 VOLTS, 7.85 AMPS, 3.15 KVA, 88% P.F. CONSISTS OF 2 VARIABLE TRANSFORMER, AND 5 CAPACITORS.			CW-301503 TURNS #25 E WIRE, 0.048 OHMS RES. SEC. #3 (7-8): 6.3V., 0.6 AMP., + 615V DC TO GROUND, 30 TURNS #25 E WIRE, 0.52 OHMS RESISTANCE. SEC. #4 (9-10): 6.3V., 0.5 AMP., + 150V DC TO GROUND, 30 TURNS #25 E WIRE, 0.52 OHMS RESISTANCE.		
		CHL-301492 WINDING 1-2 AND 2-3 HAVE 425 TURNS. #24 EN. WIRE EACH. WINDINGS 4-5 AND 5-6 EACH HAVE 960 TURNS #31 EN. WIRE. WINDING 7-8 HAS 25 TURNS #16 EN. WIRE.	CRP-301499 SG-3 TRANSFORMER-FILTER UNIT PRIMARY: 400 VOLTS; 7.55 AMPS; 57 TO 63 CYCLES; SINGLE PHASE. SECONDARY: 115 VOLTS; 2.3 AMPS; 2.64 KVA; 95% P.F. CONSISTS OF 1 TRANSFORMER, 1 RELAY, 1 INDUCTOR, AND 3 CAPACITORS.			CW-301504 MARK 20 MOD 1 TRANSFORMER INPUT IMPEDANCE RATIO: 50 TO 800 OHMS BETWEEN WINDING (1-2) AND WINDINGS (3-4), (5-6) CONNECTED IN PARALLEL; 50:950 OHMS BETWEEN WINDING (1-2A) AND WINDINGS (3-4), (5-6) CONNECTED IN PARALLEL; 50:1100 OHMS BETWEEN WINDING (1A-2A) & 0.09 OHMS 11/9/44 D-169114 8L-103327 DEC. 44 ISS 1		
		CHL301493 OCB OUTPUT TRANSFORMER PRI: 5000 OHMS. TO WORK OUT OF SINGLE 6V6 OPERATING AT 250/250/-12.5V. 50 MA DC MAX. SEC: 500Ω TAPPED AT 1.3, 3.6 AND 250. 3.5 WATTS INPUT. 60-7000 CYCLES. MAX. TEMP. RISE NOT TO EXCEED 40°C. TO BE POTTED IN CUD TYPE 10 B CASE. 10/18/44 A-4575A CHL:03034 DEC. 44 ISS 2	CRZ-301500 QJB DEFLECTION COIL WINDINGS (1-2)/(2-3)/(4-5) CONSISTS OF 3000/3000/2400 TURNS OF #37 GA E WIRE 510/470/1380 OHMS DC RES. 0.25 WITH 3 VOLTS 200 CPS/0.25 ± 0.016 (WITH 3 VOLTS ± 5% 200 CPS ± 0.54)/1.90 (WITH 3 VOLTS. *KS-9380, ISSUE 1. APP. 3 10/27/44 T-132 CHL:ES0-657006 DEC. 44 ISS 4 *			CW-301504 DC RES.: (3-4) 112 TURN 2 #21EN WIRE IN PARALLEL, 0.41 OHMS DC RES.; (5-6) 112 TURNS 2 #21EN WIRE IN PARALLEL, 0.41 OHMS DC RES. (7-8) 1 TURN, 0.001 X 2 CU SHEET, 0.01 OHMS DC RES; (S2-8) 1 TURN, .001 X 2 CU SHEET, 0.01 OHMS DC RES. ELECTROSTATIC SHIELD BETWEEN (1-2) & (3-4), (5-6) CONNECTED TO CASE. CAPACITANCE ABOUT 350 MMF TERMINAL (C) TO CASE.		
		CHL301493 PRI. CONSISTS OF 3220 TURNS #34 EN. WIRE. SECONDARY CONSISTS OF 86 TURNS #20 EN. WIRE JOINED TO 920 TURNS #32 EN. WIRE.	CRZ301500 200 CPS) HENRIES, EFFECTIVE INDUCTANCE (MINIMUM OPEN CIRCUIT). OPERATES IN APPROXIMATE FREQUENCY RANGE OF 1 TO 60 CPS AND HAS COMMON SILICON STEEL CORE THROUGH 4 SECTIONS.			CPU-301505 LAF-3 TRANSFORMER POWER: PRI: 115/1/60, 0.8 AMPS., 349 TURNS #22 WIRE, 4.9 OHMS DC RESISTANCE. SEC. #1: (CENTER TAPPED) 705V, 0.1 AMPS, 2260 TURNS #31 WIRE, 175.0 OHMS DC RESISTANCE. SEC #2: 6.3V, 4.8 AMPS, 21 TURNS #15 WIRE, 0.12 OHMS DC RESISTANCE. SEC #3: 11/9/44 5351S CABL:44038882 DEC. 44 REV 0		
		CHL301494 OCB OUTPUT TRANSFORMER 3.5 WATTS INPUT. 60 TO 5000 CPS. PRI. 500 OHMS SEC: 3.6 OHMS. TO BE POTTED IN CUD TYPE 10 A CASE. PRI HAS 525 TURNS OF #28 EN WIRE. SEC. HAS 44 TURNS OF #18 EN WIRE.	CHL-301501 QJB FOCUS AND CENTERING COIL WINDINGS: (1-2)/(3-4)/(5-6) CONSISTS OF 18700/21180/21180 TURNS OF #35 GA E/40 GA E/40 GA E WIRE WITH 5000/3300/3300Ω DC RESISTANCE AND 20.0 (WITH 3 VOLTS, 60 CPS)/7.0 WITH 3 VOLTS, 200 CPS/7.0 (WITH *KS-9381, ISSUE 1 10/27/44 KS-9381 CHL:ES0-656922 DEC. 44 ISS 1*			CPU-301505 5.0 VOLTS, 3.0 AMPS, 16 TURNS #17 WIRE, 0.135 OHMS DC RESISTANCE.		
		10/18/44 CHL:03035 DEC. 44 A-4608A ISS 0						
		CSY-301495 GEN. RADAR USE RE13A847B VOLTAGE REGULATING TRANSFORMER: PRIMARY: 98 TO 138 VOLTS, 1Φ, 60~. SECONDARY: 115/1/60, 17.4 AMPS, 0.85 PF, 2 KVA.	CHL 301501 3 VOLTS, 200 CPS) HENRIES, EFFECTIVE INDUCTANCE, (MINIMUM OPEN-CIRCUIT). FIVE SECTIONS ENCLOSED IN METAL CASE, TOROIDAL IN SHAPE. HAS MAGNETIC IRON CORE COMMON TO 4 SECTIONS COMPRISING WINDINGS (3-4) AND (5-6).			CPU-301506 LAF-3 REACTOR (FILTER CHOKER) RATED 11 HENRIES AT 0.12 AMPS DC. PEAK VOLTAGE TO GROUND 1500 VOLTS 2975 TURNS #30 WIRE, 164 OHMS DC RESISTANCE, 1 1/2" STACK #24 GAUGE SILICON STEEL, GRADE "B".		
		10/19/44 30974 Nord-6872 DEC. 44				11/9/44 13639S CABL:44D38881 DEC. 44 REV 0		
		CSY-301496 GEN. RADAR USE RE13A847B VOLTAGE REGULATING TRANSFORMER: PRIMARY: 98 TO 133 VOLTS, 1Φ, 60~. SECONDARY: 115/1/60, RATED 3 KVA.	CW-301502 QJB RETARDATION COIL RATED 1.5 HENRIES ± 10% AT 180 CPS AND 2 VOLTS AC. CONSISTS OF 3436 TURNS #24 GA E WIRE AND 32.1 OHMS DC RES. CURRENT THROUGH COIL SHOULD NOT EXCEED 0.01 AMPS.			CW-301507 AN/TPS-18 TRANSFORMER POWER: PRI: (1-2) 115V, 400 CPS, 0.35 AMPS, 300 TURNS #25 E WIRE, 2.90 OHMS DC RES. SEC. (3-4): 6.4V, 0.6 AMPS, -1200V DC TO GROUND, 17 TURNS #20 E WIRE, 0.072 OHMS DC RES. SEC. (5-6): 5400V, 0.002 AMPS, -1300V DC TO GROUND, 14,300 TURNS, 11/10/44 KS-9585 20-100394 DEC. 44 ISS. 1		
		10/19/44 30973 Nord-6872 DEC. 44	11/8/44 D-164092 CHL:BA-104053 FEB. 45 ISS 1					

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CW-301507			CS-301512			CG-301517		
#38 E WIRE, 3250 OHMS DC RES. SEC. (7-8): 2.6V, 3.0 AMPS +5700V DC TO GROUND 7 TURNS #20 E WIRE, WOUND AS PARALLEL PAIR, THERMOSTAT SWITCH OPENS AT 230°F ±5%. CLOSES AT 190°F±10%.			DC RES., 6.5 VOLTS; 20 AMPS, 50V DC TO GROUND. SEC. #2: 15 TURNS 2 #18 HF WIRE, 0.0413 OHMS DC RES., 6.3 VOLTS, 3 AMPS, 200V DC TO GROUND. SEC. #3: 12 TURNS OF 2 #18 HF WIRE, 0.034 OHMS DC RES., 5.0 VOLTS, 3 AMPS, 400V DC TO GROUND.			VOLTS; 478 AMPS, 33 TURNS, 0.30" X 0.14" DC WIRE, 0.0075 OHMS DC RESISTANCE. 60 CYCLES, 6 KVA, SINGLE PHASE.		
CW-301508 AN/TPS-18			CS-301513 DBE	RE 13A 553B		CUD-301518 LS-101/GR		
TRANSFORMER, POWER: PRI: (1-2): 115V, 400 CPS, 20.0 AMPS, 45 TURNS RED DC (0.1" X 0.2"±1%), 0.0094 OHMS DC RES. SEC. (3-4): 5.0V, 10.0 AMPS, 2 TURNS 0.01" X 1 3/4" COPPER SHEET, 0.0028 OHMS DC RES. SEC. (4-5): 5000V, 0.29 AMPS, 1950 TURNS #25 EC 83 OHMS DC 11/10/44 KS-9584 ESO-663658 DEC. 44 ISS. 2			TRANSFORMER, POWER: PRI: 236 TURNS #21 HF WIRE, 1.89 OHMS DC RES., 115V 50/60 CPS, 0.24 AMPS, 200V DC TO GROUND. SEC. #1 (3-5): 1490 TURNS #28 HF WIRE, 68.5 OHMS ±10% DC RES., 700 VOLTS, 160 MA DC, 500V DC TO GROUND, PLUS 2296 TURNS #39 HF WIRE, 1454.75 OHMS 11/10/44 651019 DEC. 44 REV 0			TRANSFORMER, OUTPUT PRI: 10,000 OHMS, 80 MA DC, 3100 TURNS #36 EN WIRE, CT AT 1550 TURNS, 158 TURNS PER LAYER, 550 OHMS DC TOTAL RESISTANCE. SEC. #1: 600 OHMS, 5 WATTS, 536 TURNS #31 EN WIRE, CT AT 268 TURNS, 91 TURNS PER LAYER, 25 OHMS DC RESIS- 11/13/44 A4806 DEC. 44 A4806 CTJ:KS-1383		
CW-301509 AN/TPS-18			CS-301514 DBE	RE 13A 553B		CUD-301519 LS-101/GR		
RETARDATION COIL TWO WINDING ASSEMBLIES ON 45 PERMALLOY CORE, RATED AT FROM 19 TO 21 HENRIES AT 720±15 VOLTS, 60±1.2 CPS ACROSS WINDING, 0.350±.01 AMP DC THRU WINDING, APPROX 5860 TURNS #22E WIRE; 85 OHMS APPROX DC RESISTANCE. 11/10/44 KS-9585-NOV. 44 ESO-663920 ISSUE 3.			REACTOR 60 MA, RATED 15 HENRIES +20-0%, 5 VOLTS, 120 CYCLES, AND 0.060 AMPS DC, 3104 TURNS #35HF WIRE, 417 OHMS DC RES.±10% 11/10/44 651020 NOV.44 CS-651020 REV. 0			TRANSFORMER, INPUT INPUT 600 OHMS, OUTPUT 60,000 OHMS, PRI: 592 TURNS #36 EN WIRE, 91 TURNS PER LAYER, 45 OHMS DC RESISTANCE. SEC: 5920 TURNS #42 EN WIRE, CT AT 2960 TURNS, 167 TURNS PER LAYER, 2300 OHMS DC TOTAL RESISTANCE. 11/13/44 A4805 DEC. 44 A4805 CTJ:KS-1381		
CS-301510 DBE	RE13A553B		CS-301515 DBE	RE13A553B		CUD-301520 LS-101/GR		
TRANSFORMER (BLOCKING OSCILLATOR) IMPEDANCE RATIO 4:1. PRI: 199 TURNS #32 HF WIRE, 8.9 OHMS±15% DC RES. WOUND IN TWO SECTIONS SEC: 97 TURNS #32HF WIRE, 3.46 OHMS±15% DC RES. SEC. RATED 11 HENRIES±10% AT 1000 CYCLES/SEC, Q FACTOR IS 2.9±204 11/10/44 651016 NOV. 44 CS-651016 REV. 0			REACTOR 160 MA, RATED 15 HENRIES +20-0% WITH 5 VOLTS, 120 CYCLES, AND 0.150 AMPS DC, 2733 TURNS #29HF WIRE, 147 OHMS DC RES. ±10% 11/10/44 651021 NOV.44 CS-651021 REV. 0			FILTER CHOKE INDUCTANCE: 8 HENRIES MIN. AT 150 MA DC AND 25 VOLTS, 120 CYCLES; 25 HENRIES AT ZERO DC, 25 VOLTS, 120 CYCLES. PEAK VOLTAGE TO GROUND 2000 VOLTS, 3210 TURNS #30 EN WIRE, 104 TURNS PER LAYER, 200 OHMS DC RESISTANCE. 11/13/44 A 4808 DEC. 44 A4808 CTJ:KS-1382		
CS-301511 DBE	RE13A553B		CCV-301516 MARK 26 MOD 4			CW-301521 QJB		
TRANSFORMER, FILAMENT PRI: 1116 TURNS #30HF WIRE, 35 OHMS DC RES.±10%, 115 VRMS±5%, 50/60CPS, 0.13 AMPS, 200 V DC TO GROUND. SEC #1: 27 TURNS #19HF WIRE, 0.075 OHMS DC RES.±10% 2.5V, 1.75 AMPS, 200CV DC TO GROUND. SEC #2: 27 TURNS #19HF WIRE, 0.032 OHMS DC 11/10/44 651017 NOV. 44 CS-651017 REV. 0			FILAMENT TRANSFORMER PRIMARY RATED 110/115/120 VOLTS SINGLE PHASE 60 CYCLES; 0.90 AMP, 1460 TURNS 0.0063 E WIRE; 110 OHMS DC RESISTANCE. SECONDARY 6.4 VOLTS AT 0.90 AMP; 91 TURNS 0.0253 E WIRE; 0.50 OHMS DC RESISTANCE. PRIMARY TERMINALS 1-2, 1-3, 1-4. SECOND- 11/11/44 T-4821 MAY 45 CG:M-7468576-2 REV 7			TRANSFORMER, INPUT IMPEDANCE RATIO PRI/SEC: 80/100,000 OHMS PRI (1-3): 70 TURNS 30 #34 GA E STRANDED WIRE, WOUND AS PARALLEL PAIR 0.15 OHMS DC RES. TERM 2 CENTER-TAP ON (1-3), SEC (4-6): 1720 TURNS #34 GA EN., 65 OHMS DC RES. TERM.5 CENTER TAP ON (4-6). 11/13/44 D-169206 BA-103911 ISS 1 DEC. 44		
CS-301512 DBE	RE13A553B		CCV-301511			CW-301521		
TRANSFORMER FILAMENT: TWO IDENTICAL PRIMARIES EACH WITH 570 TURNS #19 HF WIRE, 305 OHMS ±15% DC RES. EACH TAPPED AT 115, & 105 VOLTS. VOLTS RMS: 105/115/125,210/230/250; 50/60 CPS. 2.6 AMPS, 350V DC TO GROUND. SEC #1: 15 1/2 TURNS 2 #10 SCE WIRE, 0.006 OHMS 11/10/44 651018 DEC. 44 CS:651018 REV 0			DARY TERMINALS 5-6. SIMILAR TO CRY-30393 EXCEPT FOR STYLE AND LENGTH OF STUDS.			OPERATING FREQ. RANGE 20 TO 28 KC. ELECTROSTATIC SHIELD BETWEEN (1-3) AND (4-6). A 115 MMF CAPACITOR IS CONNECTED ACROSS TERMINALS 4-6.		
CG-301517 SK-3			CG-301512 DBE	RE13A553B		CAPT-301522 AN/JRA-T2		
TRANSFORMER, POWER TWO PRIMARIES, EACH CONSISTING OF 60 TURNS 0.160" X 0.140" DC WIRE, DC RES. 0.0575 OHMS PER PRIMARY, CONNECTED IN PARALLEL FOR 230 VOLT OPERATION, CONNECTED IN SERIES FOR 460 VOLT OPERATION. SECONDARY: 125 VOLTS, TAPPED AT 115 11/11/44 7470683, DEC. 44 TYPE M REV 1			TRANSFORMER, POWER TWO PRIMARIES, EACH WITH 570 TURNS #19 HF WIRE, 305 OHMS ±15% DC RES. EACH TAPPED AT 115, & 105 VOLTS. VOLTS RMS: 105/115/125,210/230/250; 50/60 CPS. 2.6 AMPS, 350V DC TO GROUND. SEC #1: 15 1/2 TURNS 2 #10 SCE WIRE, 0.006 OHMS 11/10/44 651018 DEC. 44 CS:651018 REV 0			TRANSFORMER, POWER PRI: 115V, AC AT 64VA, 60 CYCLES, SINGLE PHASE; 570 TURNS #25 E WIRE, 9.8 OHM DC RES. SEC #1: 5 VOLTS AT 2 AMPS; 27 TURNS #19 E WIRE, 0.18 OHMS, 5 VOLTS AT 2 AMPS SEC #2: 6.3 VOLTS AT 3.4 AMPS 34 TURNS #16 E WIRE, 0.12 OHMS DC RESISTANCE. 11/14/44 CS-5656 MAY 45 M-31001-1 REV 2		

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		CAFT-301522 SEC. #3: 700 VOLTS, DC CURRENT AT CENTER TAP IS 50 MA; 3020 TURNS #35 E WIRE, CENTER TAPPED AT 910 TURNS, 594 OHMS DC RESISTANCE.	CG-301527 GEN RADIO USE RE13A847A VOLTAGE STABILIZING TRANSFORMER: PRIMARY: 95 TO 130/180 TO 250/360 TO 500 VOLTS, 1 PHASE, 60 CYCLES SECONDARY: 112, 115, OR 118 VOLTS. OUTPUT VOLTAGE VARIATION ± 3% AT 3.0 KVA.	CGP-301532 GEN RADAR USE LINE VOLTAGE REGULATOR INPUT: 115 VOLTS, 43.2 AMPS. MAX., 57-63 CYCLES, SINGLE PHASE. OUTPUT: 115 VOLTS 26.1 AMPS., 3.0 KVA, 85% P.F. NOMINAL. FOR DECK MOUNTING.	11/14/44 69G509 DEC. 44	CG:K-5808590 PM REV 0	11/21/44 W-5765 DEC. 44	DX91-859
CG-301523 GEN RADIO USE RE13A847A VOLTAGE STABILIZING TRANSFORMER: PRIMARY: 95 TO 130 VOLTS, 1 PHASE, 60 CYCLES. SECONDARY: 112, 115 OR 118 VOLTS. OUTPUT VOLTAGE VARIATION ± 3% AT 0.500 KVA.	CG-301527-A GEN RADIO USE RE13A847A VOLTAGE STABILIZING TRANSFORMER: PRIMARY: 95 TO 130/180 TO 250/360 TO 500 VOLTS, 1 PHASE, 57 TO 63 CYCLES. SECONDARY: 112, 115 OR 118 VOLTS OUTPUT VOLTAGE VARIATION ± 4% AT 3.0 KVA SAME AS BASIC NUMBER EXCEPT IS FREQUENCY COMPENSATED. CANCELLED	CCV-301533 MK 20 MOD 1 RETARDATION COIL RATED 0.12 HENRY MIN. AND 0.27 HENRY MAX. WITH 15 ± 0.75 VOLTS, 60 ± 1.2 CPS AND 1.0 ± 0.02 AMPS D-C. WINDING (1-2) CONSISTS OF 378 TURNS OF #19 GA E WIRE, 1.8 OHMS D-C RES.	11/14/44 69G511 DEC. 44	CG:K-5808590 PS REV 1	11/14/44 69G508 FEB. 45	CG:K-5808590 PK REV 0	11/22/44 T7874 DEC. 44	CN:80-103215 ISSUE 1
CG-301523-A GEN RADIO USE RE13A847A VOLTAGE STABILIZING TRANSFORMER: PRIMARY: 95 TO 130 VOLTS, 1 PHASE, 57 TO 63 CYCLES. SECONDARY: 112, 115 OR 118 VOLTS. OUTPUT VOLTAGE VARIATION ± 4% AT 0.500 KVA. SAME AS BASIC NUMBER EXCEPT IS FREQUENCY COMPENSATED. CANCELLED	CUD-301528 LS-101/GR INPUT TRANSFORMER OPERATES FROM 600 OHMS AND 20,000 OHMS CT. AND BALANCED TO 2% AT 1000 CPS., TO 600 OHMS SINGLE ENDED. PRI: 3050 TURNS CT AT 1515 TURNS #41 EN WIRE, 153 TURNS PER LAYER. CONNECTED TO 630 TURNS CT AT 315 TURNS #35 EN WIRE, 80 TURNS PER	CCV-301534 MK 20 MOD 1 RETARDATION COIL RATED 0.02 HENRY MIN AND 0.045 HENRY MAX WITH 3 ± 0.15 VOLTS, 60 ± 1.2 CPS AND 1 ± 0.02 AMPS D-C. WINDING (1-2) CONSIST: OF 162 TURNS OF #21 GA E WIRE, 0.89 OHMS D-C RES.	11/14/44 69G510 FEB. 45	CG:K-5808590 PP, REV. 0	11/15/44 A 4346 DEC. 44	A 4346 CTJ:KS-1399	11/22/44 T7873 DEC. 44	CW:80-103221 ISSUE 1
CG-301524 GEN RADIO USE RE13A847A VOLTAGE STABILIZING TRANSFORMER: PRIMARY: 95 TO 130/180 TO 250/360 TO 500 VOLTS, 1 PHASE, 60 CYCLES SECONDARY 112, 115, OR 118 VOLTS. OUTPUT VOLTAGE VARIATION ± 3% AT 0.500 KVA.	CUD-301523 LAYER, 1000 OHMS TOTAL DC RES. SEC: 630 TURNS #35 EN WIRE, 80 TURNS PER LAYER, 30 OHMS DC RESISTANCE. FREQ. RESPONSE 100 TO 5000 CYCLES. HERMETICALLY SEALED.	CCV-301535 MK 20 MOD 1 RETARDATION COIL RATED 275 HENRIES MIN AND 370 HENRIES MAX WITH 3 ± 0.15 VOLTS, 200 ± 4 CPS. WINDING CONSISTS OF 13,200 TURNS OF #40 GA E WIRE, 5500 OHMS D-C RES. .001 AMPS D-C THROUGH COIL.	11/14/44 69G507 DEC. 44	CG:K-5808590 PH REV 1			11/22/44 T7865 DEC. 44	CW:80-103214 ISSUE 1
CG-301524-A GEN RADIO USE RE13A847A VOLTAGE STABILIZING TRANSFORMER: PRIMARY: 95 TO 130/180 TO 250/360 TO 500 VOLTS, 1 PHASE, 57 TO 63 CYCLES. SECONDARY: 112, 115 OR 118 VOLTS. OUTPUT VOLTAGE VARIATION ± 4% AT 0.500 KVA. SAME AS BASIC NUMBER EXCEPT IS FREQUENCY COMPENSATED. CANCELLED	CUD-301529 LS-101/GR POWER TRANSFORMER PRI: 230 VOLTS ± 10%, 50 TO 70 CYCLES, TAPPED AT 115 VOLTS, TO DELIVER 5 WATTS AT 230 VOLTS, 648 TURNS CT AT 324 TURNS/ #26 EN WIRE, ONE HALF WOUND 82 TURNS/LAYER, OTHER HALF 56 TURNS/LAYER, 11 OHMS TOTAL DC RES. SEC. #1: 5V, 3 AMPS, 11/15/44 A 4807 DEC. 44	CCV-301536 MK 20 MOD 1 TRANSFORMER, POWER PRI: (1-2) 115/1400: 1.6 AMPS. CONSISTS OF 89 TURNS OF #18 GA E WIRE, 0.31 OHMS D-C RES. SEC: (3-5)/(6-7)/(8-9)/(10-11)/(12-13)/(14-15): 800/5.1/6.4/6.4/6.4/6.4 VOLTS: 0.173/8/3/1/1 AMP: 54/0.0126/0.0078/0.0166/0.067/0.065 OHMS DC RES: 11/22/44 T7875 DEC. 44	11/14/44 69G506 FEB. 45	CG:K-5808590 PF, REV. 0	11/15/44 A 4807 DEC. 44	A 4807 CTJ:KS-1358	11/22/44 T7875 DEC. 44	CW:80-103103 ISSUE 1
CG-301525 GEN RADIO USE RE13A847A VOLTAGE STABILIZING TRANSFORMER: PRIMARY: 95 TO 130 VOLTS, 1 PHASE, 60 CYCLES. SECONDARY: 112, 115, OR 118 VOLTS. OUTPUT VOLTAGE VARIATION ± 3% AT 3.0 KVA.	CUD-301529 15 TURNS #19 EN WIRE 0.1 OHM DC RES. SEC. #2: TO DELIVER 250V, 65 MA. DC TO AMPLIFIER WITH PRI. VOLTAGE 10% LOW FOR 18 SEC. OUT OF EVERY 20.4 SEC., 1900 TURNS CT AT 950 TURNS, #32 EN WIRE, 160 TURNS/LAYER, 200 OHMS DC RES TOTAL. SEC. #3: 63V, 1.75 AMPS, 19 TURNS #21 EN WIRE 0.2 OHM DC RES., HERMETICALLY SEALED. TESTED FOR 1500V. PEAK BREAKDOWN.	CON- CCV-301536 SISTS OF 625/4/5/5/5/5 TURNS OF #31/16/16/19/22/22 GA E WIRE. TERMINAL 4 CT OF (3-5).	11/14/44 69G513 DEC. 44	CG:K-5808590 PM REV 1				
CG-301525-A GEN RADIO USE RE13A847A VOLTAGE STABILIZING TRANSFORMER: PRIMARY: 95 TO 130 VOLTS, 1 PHASE, 57 TO 63 CYCLES. SECONDARY: 112, 115 OR 118 VOLTS. OUTPUT VOLTAGE VARIATION ± 3% AT 3.0 KVA. SAME AS BASIC NUMBER EXCEPT IS FREQUENCY COMPENSATED. CANCELLED	CAY-301530 IDE OSCILLATOR CHOKE RATED 1.65 MIN/2 MAX HENRIES AT 5 VOLTS, 1000 CYCLES 115 OHMS ± 15% DC RESISTANCE 2000 TURNS OF #34 ENAMEL COVERED WIRE. TAPPED AT 84 AND 1850 TURNS-AIRCORE.	CCV-301537 QJB MAGNET, ELECTRO RATED AT 110 VOLTS D-C. 50 TO 60 MILLI-AMPERES, 2190 OHMS ± 10%. CONSISTS OF 10000 TURNS ± 5% OF 40 GA E WIRE WOUND ON A MAGNETIC IRON CORE.	11/14/44 69G512 FEB. 45	CG:K-5808590 PU, REV. 0	11/16/44 L-365752 DEC. 44	L-365752 REV M	11/23/44 D-168843 DEC. 44	BA-104545 ISSUE 1
CG-301526 GEN RADIO USE RE13A847A VOLTAGE STABILIZING TRANSFORMER: PRIMARY: 95 TO 130 VOLTS, 1 PHASE, 60 CYCLES. SECONDARY: 109, 112, OR 115 VOLTS. OUTPUT VOLTAGE VARIATION ± 7.5% AT 3.0 KVA. SAME AS CG-301525 EXCEPT HAS POORER VOLTAGE REGULATION AND HIGHER HARMONIC CONTENT.	CRP-301531 GEN RADAR USE LINE VOLTAGE REGULATOR INPUT: 440/220/115 VOLTS, 10.8/21.6/43.2 AMPS. MAX. 57-63 CYCLES, SINGLE PHASE. OUTPUT: 115 VOLTS, 26.1 AMPS, 3.0 KVA, 85% P.F. NOMINAL, FOR DECK MOUNTING.	CCV-301538 TS-182/UP TRANSFORMER, POWER NOMINAL RATING 100VA; ACTUAL RATING 21VA 1500V RMS. TEST, 60 CPS 110V. PRI: 1-2 50-1200 CPS, 91A, 294 TURNS #22E WIRE 3.23 DC RES. SEC #1: 3-CASE 350V. .05A, 1000 TURNS #33E WIRE 156 DC RES. 5-CASE 350V .05A, 1000 TURNS #33E WIRE 160 DC	11/14/44 69G528 DEC. 44	CG:K-5808590 RC REV 3	11/21/44 W-5761 DEC. 44	DX91-858	11/23/44 #5234 JAN. 45	5234

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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3.30-84

Class 30—Transformers and Reactors

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
RES. 4-CASE 65V 0.0A. 187 TURNS #33E WIRE 29.7 DC RES. SEC #2 5-6 400V. .002A. 1150 TURNS #39E 772 DC RES. SEC #3 6-7 5.0Y 2.0A. 14 1/2 TURNS #17E .067 DC RES. SEC. #4 8-CASE 6.3V. 5.0A. 18 TURNS 2-#17E .0345 DC RES. SEC. #5 9-10 6.3V 0.6A. 18 TURNS #22E .252 DC RES. SECONDARY #1 IS CENTER TAPPED & ALS TAPPED FOR 65V. ZERO CURRENT RES VALUES ±15%.		CFR-301538	CCV-301545 TEB REACTOR RATED 30 H. AT 2500V. R.M.S., 60 CY. TEST. DC RESISTANCE 200 OHMS DC AT 20°C.			CSY-301550 SR-2 VOLTAGE REGULATING TRANSFORMER. PRIMARY: 95 TO 138 VOLTS. 1 PHASE. 60 ±2 CYCLES. FREQUENCY COM- PENSATED. SECONDARY: 115 VOLTS ±2 VOLTS AT 80% LOAD. RATED 2.5 KVA.		
			11/24/44 T-7787 DEC. 44			12/4/44 JAN. 45		
CFR-301539 TS-128/UP FILTER CHOKE RATED 15 HENRIES AT 10V. 60 CPS WITH 50-70 MILLIAMPERES DC. DC RES. 430Ω ± 15%. TEST VOLTAGE, 1500V RMS, 60 CPS. 4500 TURNS OF #33 E WIRE.			CG-301546 XTDZ & TDZ TRANSFORMER OPERATES 50/80 CYCLES. PRIMARY RATED 440/220/110 VOLTS. SEC. 730V. PRIMARY: 4 COILS OF 168 TURNS EACH 0.0305" FORMEX WIRE 5.83Ω ±6% HIPOT 150V; 1.37 AMPS EACH WINDING SECONDARY: 2 COILS OF 633 TURNS EACH 0.0226" FORMEX WIRE; 24Ω 6%; 11/27/44 7471940 M-7471980 MAY 45 REV 1			CW-301551 AN/TPS-1B POWER TRANSFORMER: PRIMARY (1-2) 423 TURNS #24 E WIRE 44 OHMS MAX DC RESISTANCE 115V (400-2400 CPS) 0.75 AMPS. SECONDARY (3-7) 102 TURNS #17 E WIRE 0.21 OHM MAX DC RESIS- TANCE 26.4V AND 2.2 TO 2.8 AMPS. ELECTRO- STATIC SHIELD BETWEEN PRIM. & SECONDARY. 12/4/44 KS-9825 CW:80-105145 JAN. 45 ISS. 1		
11/23/44 #5235 5235 MAY 45								
CW-301540 AN/TPS-1B POWER TRANSFORMER PRI: (1-2) 115/1/400 0.6 AMPS CONSISTS OF 490 TURNS #25 E WIRE. 4.50 OHMS DC RESISTANCE. SEC: (3-4) WOUND AS PARALLEL PAIR (5-6). 6.4/6.4 VOLTS, 8.0/1.0 AMPS, CONSISTS OF 29/29 TURNS OF #16/22 E WIRE 0.025/0.250 OHMS DC RESISTANCE 11/23/44 D-167254 BA-104774 DEC. 44 ISSUE 1			CG-301546 HIPOT 2500V; 0.735 AMPS EACH WINDING.			CW-301551 TERMINAL 5 IS A CENTER TAP ON (3-7) TERMINALS 4 & 6 ARE TAPPED 1.5V FROM TERMINALS 3 AND 7.		
			CG-301547 XTDZ & TDZ TRANSFORMER OPERATES 50/60 CYCLES. 0.49 KVA. PRI: 440/220/110 VOLTS. SEC. RATED 110/12.6 VOLTS. 4.1/3.0 AMPS. TAPS AT 110V. SEC. FOR ±5, ±10, ±15% VARIATION IN PRI. VOLTAGE. PRI: 4 COILS OF 127 TURNS, EACH 0.0359" FORMEX WIRE; 4.5Ω ±6%; 1.34 AMPS 11/27/44 7471932 M-7471982 MAY 45 REV 2			CW-301552 AN/TPS-1B INPUT TRANSFORMER: 2 WINDINGS - WINDING (1-2) TAPPED 1 TURN (1A) AND 25 TURNS (2A) FROM LEAD. ELECTROSTATIC SHIELD BETWEEN (1-2) (3-4) (5-6) CONNECTED TO CASE. SPECIAL MONITOR WINDINGS (7-8) (8-9) TERMINALS S1 & S2 CONNECTED TO CASE. FREQ. RANGE 12/5/44 D-169271 CW:8A-104857 JAN. 45 ISS. 1		
			CG-301547 EACH WINDING SEC. #1: 15 TURNS 0.0226" FORMEX WIRE. 0.1226Ω ±6%; 2.6 AMPS. SEC. #2: 157 TURNS 0.0571" FORMEX WIRE; 0.65Ω ±6%; 3.92 AMPS HIPOT ALL COILS 1500V.			CW-301552 200 CYCLES TO 1 MEGACYCLE. IMPEDANCE RATIO OF 16:507 OHM BETWEEN (1-2) (3-4) & (5-6) RATIO 16:592 OHM BETWEEN (1-2A) (3-4) & (5-6). WINDING 1-2/3-4/5-6. HAS 27/152/132 TURNS 7 #27 STRANDED DN WIRE OF 0.062/0.79/0.79 OHMS DC RESIS- TANCE. WINDING 7-8/8-9 HAS 1/1 TURN OF .001 X 2 1/2 COPPER FOIL OF 0.015/ 0.043 OHM DC RESISTANCE.		
CCV-301541 TEB FILTER CHOKE RATED 14 H. AT 0.25 AMPS DC. 130 OHMS DC RESISTANCE 2500 VOLTS TEST.			CAFT-301548 MK 32 MOD 1 FILTER CHOKE RATED 20 HENRIES AT 80 MA. 62.8 OHMS DC RESISTANCE HERMETICALLY SEALED. CONSISTS OF 405V TURNS #31 WIRE 324.7 OHMS. DC RESISTANCE.			CW-301553 AN/TPS-1B RETARDATION COIL: MAL. INDUCTANCE 0.4635 HENRIES MIN IN- DUCTANCE 0.4365 HENRIES WITH 0.042 AMPS AT 500 CPS THRU COIL. WINDING HAS 1700 TURNS #33 EN WIRE 53 OHMS DC RESISTANCE.		
11/24/44 T-7037 DEC. 44			12/2/44 CS-13875 CAOS:8-38054C FEB. 45 REV 0			12/5/44 D-169261 CW:8A-104822 JAN. 45 ISS. 1		
CCV-301542 TEB FILTER CHOKE RATED 0.25 H. AT 4 AMP. DC RESISTANCE - 5 OHMS 20,000 VOLTS TEST.			CAFT-301549 MK 32 MOD 1 RE13A553 PRIMARY TRANSFORMER: PRIMARY 115/1/60. 83.8 VA SECONDARY #1/ #2 RATED 6.3/6.3 VOLTS AT 0.675 AMPS. SECONDARY #3 750 VOLTS. 80 MA CENTER TAPPED. PRIMARY 413 TURNS OF #23E WIRE 5.70Ω DC RESISTANCE SEC: #1/#2/#3 CON- SISTS OF 25/25/2840 TURNS OF #23/#23/ 12/2/44 CS-5655 CAOS:8-43071C JAN. 45 REV. 0			CW-301554 AN/TPS-1B DEFLECTION COIL: 0.055 HENRIES INDUCTANCE MAX AND 0.045 HENRIES MIN. AT 900 CPS. 250 OHMS DC RESISTANCE AT 68°F 1840 TURNS OF #36 Ga EN WIRE.		
11/24/44 T-7132 DEC. 44						12/5/44 D-169701 CW:8A-104751 JAN. 45 ISS. 1		
CNA-301543 TEB COIL, BUFFER PLATE RATED 1 MH. AT 600 MA. DC. DC RESISTANCE - 6 OHMS.			CAFT-301549 #34E WIRE. 0.450/0.070/428 OHMS DC RESISTANCE.			CW-301555 AN/TPS-1B DEFLECTION COIL AND CLUTCH ASSEMBLY: CONSISTS OF -301554 DEFLECTION COIL MOUNTED IN A CLUTCH UNIT WHICH HAS 2 SLIP RINGS A CLUTCH GEAR WITH 90 TEETH. WORM GEAR WITH 96 TEETH AND A BALL BEARING.		
11/24/44 R-154 DEC. 44						12/5/44 80-413720 CW:8A-105024 JAN. 45 ISS. 1		
CCV-301544 TEB REACTOR RATED 3.5 H. AT 1 AMP DC. 20 OHMS DC RESISTANCE 5000 VOLTS TEST.								
11/24/44 T-7039 DEC. 44								

Class 30—Transformers and Reactors

3.30-85

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CRP-301556	TDY-a TDY-1a		CLV-301562	SV		-301563	TS-28/UPN	RE13A553
LINE VOLTAGE REGULATOR: PRIMARY 95 TO 130/1/60 28 AMPS MAX. SEC- ONDARY 115/1/60, 17.4 AMPS 2000 WATTS 100% PF. CONSISTS OF A RAYTHEON TYPE U 5773 TRANSFORMER, U 5774 CHOKE, 2 GE TYPE 67 X 42 10 MFD 660/1/60 AND 1 GE TYPE 67 X 44 15 MFD 660/1/40 CAPACITOR 12/5/44 NX 5093 DH-74-1279 JAN. 45			TRANSFORMER, POWER: PRI (1-2): 115V, 3.65 AMPS, 60 CPS, 152 TURNS #13 GAE WIRE, 0.3 OHMS DC RES. SEC (3-5): 560V, 0.25 AMP, +650V TO GROUND, 760 TURNS #25 GAE WIRE, 23.0 OHMS DC RES. TERMINAL 4 IS CENTER-TAP FOR (3-5) SEC (6-8): 1300V, 0.23 AMP. 12/7/44 CLV:KS-9749 CH:SO-103522 JAN. 45 CW:KS-9749 ISS. 3			CHOKE, FILTER RATED 5 HENRIES AT 220 MA. DC & 10V RMS. AT 60 CYCLES AC. 132 OHMS RESISTANCE TEST 1500V 60 CYCLES AC BETWEEN WINDING AND CASE. 12/11/44 CJE:405-001-182 CDL:B-16A-6014 JAN. 45 REV A		
		CRP-301556			CLV-301562			-301569
AND ONE SPRAGUE 0.1 MFD 350/1/60 CAPACITOR.			+1150V TO GROUND, 1872 TURNS #26 GAE WIRE, 100 OHMS DC RES. TERMINAL 7 IS CENTER-TAP FOR (6-8) SEC (9-11): 1400V 0.06 AMP, +1900V TO GROUND, 1890 TURNS #30 GAE WIRE, 290 OHMS DC RES. TERMINAL 10 IS CENTER-TAP FOR (9-11). GROUNDED ELECTROSTATIC SHIELD PROVIDED.			TS-28/UPN RE13A-553 CHOKE, FILTER RATED 20 HENRIES AT 40 MA. DC AND 10V RMS. 60 CYCLES AC 541 OHMS RESISTANCE OF WINDING TEST 1500V 60 CYCLES AC BETWEEN WINDING AND CASE. 12/11/44 CJE:466-001-181 CDL:B-16A-6013 JAN. 45 REV A		
CAY-301557	NXSP-64189		CCV-301563	SV		CRP-301570	NJ-3,7,9	
VOLTAGE STABILIZING TRANSFORMER: PRIMARY: 440 OR 220 OR 115 VOLTS, SINGLE PHASE, 60 CYCLES, 0.5 KVA, 85% POWER FACTOR. SECONDARY: 115 VOLTS ±2%. 12/6/44 TS 36-J-996 JAN. 45 CHANGE 2			COIL, RETARDATION: INDUCTANCE AT 120 CPS AND 200V APPLIED: 10 HENRIES WITH ZERO AMPS DC IN WINDING, AND 1 HENRY WITH 1.0 AMP DC IN WINDING. OPERATING VOLTAGE: 250V, PEAK TO GROUND, 1700 TURNS #19 GAE WIRE, 13.8 OHMS DC RESISTANCE. 12/7/44 T-7629 CH:ESO-057164 JAN. 45 CW:KS-9370 ISS. 6			TRANSFORMER, PLATE AND FIL PRI: RATED 117.3VA, 115V 60 CPS, 260 TURNS OF #21 E WIRE, 2.41Ω DC RESISTANCE SEC #1: 1200V 0.05A, 2320 TURNS OF #26 E WIRE, TAPPED AT 200V OR 470 TURNS; SEC. #2: 2.5V, 6A, 6 TURNS OF #15 E WIRE, CT 0.0135Ω DC RES; SEC #3: 6.3 VOLTS, 1A, 12/11/44 U-9745A CBM:U1000A-108 JAN. 45		
CAY-301558	NXSP-64189		CCV-301564	SV		CRP-301570		
VOLTAGE STABILIZING TRANSFORMER: PRIMARY: 115/1/60, 0.5 KVA, 85% POWER FACTOR. SECONDARY: 115 VOLTS ±2%. 12/6/44 TS 36-J-996 JAN. 45 CHANGE 2			COIL RETARDATION: INDUCTANCE AT 120 ± 6 CPS AND 300V ±15V APPLIED: MIN. 2.5 HENRIES WITH 0.375 ± 0.0075 AMP DC IN WINDING, 2250 TURNS #26 GAE WIRE, 69 OHMS DC RESISTANCE. 12/7/44 T-7864 CH:ESO-655037 JAN. 45 CW:KS-9425 ISS. 3			15 TURNS OF #20 E WIRE, CT, 0.21Ω DC RES. CORE GROUNDED.		
CAY-301559	NXSP-64189		CCV-301565	SV		CRP-301571	NJ-3, NJ-9	
VOLTAGE, STABILIZING TRANSFORMER: PRIMARY: 440 OR 220 OR 115 VOLTS, SINGLE PHASE, 60 CYCLES, 3.0 KVA, 85% P.F. SECONDARY: 115 VOLTS ±2%. 12/6/44 TS 36-J-997 JAN. 45 CHANGE 2			COIL, RETARDATION INDUCTANCE AT 60 ± 3 CPS AND 10 ± 0.5 VOLTS APPLIED: MIN. 15 HENRIES WITH 0.05 ± 0.001 AMP. DC IN WINDING, 5135 TURNS #36 GA E WIRE, 850 OHMS DC RESISTANCE. 12/7/44 T-7893 CH:BO-103437 JAN. 45 CW:KS-9747 ISS 1			TRANSFORMER PRI: RATED 115/1/60, 1.2VA, 1535 TURNS OF #33 E WIRE, 340Ω DC RES, SEC: 120V 0.01A, 1750 TURNS OF #33 E WIRE, CT, 455Ω DC RES. TEST VOLTAGE 1275V RMS FOR 1 MIN. ELECTROSTATIC SHIELD GROUNDED TO CASE. 12/11/44 U-8976 CBM:U1000A-123 JAN. 45 REV 0		
CAY-301560	NXSP-64189		CJE-301566	AM/UPA-1		CRP-301572	NJ-4	
VOLTAGE STABILIZING TRANSFORMER: PRIMARY: 115/1/60, 3.0 KVA, 85% POWER FACTOR. SECONDARY: 115 VOLTS ±2%. 12/6/44 TS 36-J-997 JAN. 45 CHANGE 2			TRANSFORMER, POWER PRI: 117. 5 VOLTS SEC #1 350 VOLTS DC AT 85-HA SEC #2, 5 VOLTS SEC#3 6.3 VOLTS, SEC #4 6.3 VOLTS. 12/8/44 CJE: D-12A-4560-1 JAN. 45			TRANSFORMER, PLATE AND FILAMENT: PRI: RATED 110/1/60, 8.6 KVA, 169 TURNS OF #20 E WIRE, 1.65Ω MAX DC RES; SEC #1: 2.5 VOLTAGE AT CT, 6.0A, 4 TURNS (2 OF #16 E WIRE IN PARALLEL), 0.015Ω MAX DC RES; SEC #2: 6.3 VOLTAGE AT CT, 1.0A, 10 TURNS OF #21 E WIRE, 12/11/44 U-9033A CBM:J752-86 JAN. 45 REV 0		
CLV-301561	SV		-301567	TS-28/UPN	RE13A553	CRP-301572		
TRANSFORMER, FILAMENT: PRI: (1-2): 115V, 0.75 AMP, 60 CPS.; 600 TURNS #22 GAE WIRE, 5.2 OHMS DC RES. SEC. (3-4): 5V, .6 AMPS, +1000V, TO GROUND; 29 TURNS #16 GAE WIRE, 0.083 OHMS DC RES. SEC (5-6): 5V, 6 AMPS, +400 V TO GROUND, 29 TURNS #16 GAE WIRE, 0.09 12/7/44 CLV:KS-9748 CH:CO-103443 JAN. 45 CW:KS-9748 ISS. 1			TRANSFORMER, PULSE PRI. A & B (1-2) 1000V PEAK 2 MS, 2000 PPS, RESISTANCE 6.14 OHMS ± 13 1/2%. SEC #1 (3-4) 500V PEAK, 2 MS 2000 PPS, RESISTANCE 1.4 ± 13 1/2%, SEC #2 (5-6) 1000V PEAK, 2 MS, 2000 PPS, 11.49 ± 13%. RESISTANCE, INSULATION RATED 2500 VOLTS 12/9/44 SIMILAR TO CDL:012F5965 JAN. 45 CG:68028 REV A			0.195Ω MAX. DC RES; SEC #3: 1200V, TAP- PED AT 200V, 0.05A, 1930 TURNS OF #32 E WIRE, 350Ω MAX. DC RES; PRI, TEST VOLT- AGE 1780V R.M.S./1/60; SEC. TEST VOLT- AGE 2850V RMS.		
		CLV-301561			-301567	CRP-301573	NJ 7, 9	
OHMS DC RES. SEC (7-8): 5V, 3 AMPS, +350V TO GROUND, 29 TURNS #16 GAE WIRE, 0.150 OHMS DC RES. GROUNDED ELECTRO- STATIC SHIELD BETWEEN PRI AND SECONDAR- IES.			60 CYCLES BETWEEN WINDINGS.			TRANSFORMER, PLATE AND FIL. PRI: RATED 95 WATTS, 115/1/60, 410 TURNS OF #24 E WIRE, 6.4Ω DC RES., SEC #1: 675 VOLTS, 0.05A, 2530 TURNS OF #33 E WIRE, CT, 400Ω DC RES; SEC #2: 5 VOLTS, 3A, 19 TURNS OF 2X #20 E WIRE, CT, 0.1Ω DC RES; *CBM:1000A-220 ALT 0 12/12/44 U-5744 CBM:1000A-219 JAN. 45 ALT 0 *		

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NAVSHIPS 900,109

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CRP-301573
SEC #3: 6.3V, 3A, 24 TURNS OF 2X #20 E WIRE, 0.12Ω DC RES; CORE GROUNDED.

CRP-301579 SO-7M/7N
REACTOR:
INDUCTANCE 17.5 HENRIES AT 20 MILLIAMPS DC; 3000 1/2 TURNS OF #35 EN WIRE, 330Ω DC RESISTANCE; TEST 1250V (RMS).

CRP-301586 SO-7M/7N
PLATE AND FILAMENT TRANSFORMER: PRI: RATED 0.115 KVA, 115/1/400, CONSISTS OF 2 WINDINGS IN PARALLEL, EACH CONSISTS OF 0.87A, 360 TURNS OF #25 E WIRE, 4.0Ω DC RES, SEC #1 RATED 800V CT, 0.085A, 2800 TURNS OF #30 E WIRE, 145Ω DC RES, SEC #2 RATED 5V, 3.0 12/15/44 UX-7779 E
JAN. 45

CW-301574 AN/TPS-1B
FOCUS AND CENTERING COIL
5 SECTIONS, WINDING (3-4)(5-6) WOUND ON 4 SECTIONS, ONE ON EACH LEG OF SQUARE SHAPED MAGNETIC IRON CORE WHILE FOCUS WINDING (1-2) HAS AIR CORE. WINDING (1-2)/(3-4)/(5-6) HAS 19300/15120/15120 TURNS OF #36/40/40 E WIRE OF 5700/2500/12/12/44 CW:0-163194
JAN. 45

CRP-301580 SO-7M/7N
INDUCTOR:
INDUCTANCE, 0.13 HENRIES AT 120 CYCLES WITH 4 AMPS DC; 95 TURNS OF #15 EN WIRE, 0.228 MAX. DC RES.; TEST 1780 VOLTS (RMS)

CRP-301586
A, 17 TURNS OF #17 E WIRE, 0.053Ω DC RES, SEC #3 RATED 590V, CT 0.10A, 2160 TURNS OF #30 E WIRE, 108Ω DC RES; SEC #4 RATED 5V, 3.0A, 17 TURNS OF #17 E WIRE, 0.058Ω DC RES, TEST VOLTAGE 1780V (RMS); ONE PRI. WINDING SEPARATED FROM SEC #1 & #2 BY ELECTROSTATIC SHIELD, SECOND PRI. WINDING SEPARATED FROM SEC 3 & 4 BY ANOTHER ELECTROSTATIC SHIELD.

CW-301574
2500 OHMS DC RES AT 68°F, 32/20/20 MILLIAMPS MAX. INDUCTANCE 20/4/4 HENRIES WITH 3/3/3 VOLTS AT 60/200/200 CPS ACROSS WINDING.

CRP-301581 SO-7M/7N
FILTER CHOKE:
INDUCTANCE 1.3 HENRIES AT 3 VOLTS RMS 60 CYCLES WITH 130 MILLIAMPS DC; 1200 1/2 TURNS OF #30 E WIRE, 52Ω DC. MAX RES; TEST 1200V (RMS).

CRP-301587 SO-7M/7N
PLATE AND FILAMENT TRANSFORMER: PRIMARY: RATED 0.030 KVA, 115/1/400, 0.23A, 238 TURNS OF #25 E WIRE, 5.4Ω DC RES, SEC #1 RATED 5000V, 0.002A 11650 TURNS OF #41 E WIRE, 10,695Ω DC *CRP:DL74-860 SUB 4 AND CRP SPEC 92-387 G1 REV. B
JAN. 45

CBM-301575 NK-3.7.8
CHOKE COIL
INDUCTANCE 2.21 TO 3.71 HENRIES; 2500 TURNS OF #38 WIRE, 400 TO 420Ω DC RES.

CRP-301582 SO-7M/7N
FILAMENT TRANSFORMER:
PRIMARY: RATED 115/1/400, 0.260A, 230 TURNS OF #26E WIRE, 11.5Ω DC RES; SEC. RATED 5V, 5A, 40 TURNS OF #14 E WIRE, 0.066Ω DC. RESISTANCE. TEST VOLTAGE: 1780 PRI. 13,500 SEC. ELECTROSTATIC SHIELD DOUBLE GROUNDED.
12/14/44 UX-3486A
JAN. 45

RES. SEC #2 RATED 2.5V
5A, 7 TURNS OF #16 SCE WIRE, 0.028Ω DC RES. TEST VOLTAGE: 1780V (RMS) ON PRI. SEC. #1 10,000 (RMS) ON SEC #1: 15,000 ON SEC. #2. SEC #1 IS GROUNDED TO ELECTROSTATIC SHIELD. HERMETICALLY SEALED.

*CBM: 810-3007 ALT OT
12/13/44 810-28
JAN. 45

CBM:810-28
ALT OT

CRP:DL74-1078
SUB 10

CBM-301576 NK-3.7.8
TRIPLE CHOKE:
3 SECTIONS (L4/L5/L6) 1.3 ±0.3 MH/1.3± 0.3 H/1.3±0.3H, TEST VOLTAGE TO CASE 1250 VOLTS RMS, 0.04/100±3%/100±3% OHMS DC RESISTANCE, L4-53 TURNS OF #16 SSE MAGNET WIRE, L5 AND L6-1500 TURNS OF *CBM:810-3008 ALT OT
12/13/44 810-3008
JAN. 45

CRP-301583 SO-7M/7N
FILAMENT TRANSFORMER:
PRIMARY: RATED 0.0528 KVA, 115/1/400, CONSISTS OF TWO WINDINGS IN PARALLEL, EACH CONSISTS OF 0.46A, 600 TURNS OF #27 E WIRE, 9Ω DC RES; SEC #1 RATED 6.3V 4.7A, 35 TURNS OF #14 E WIRE, 0.039Ω DC RES; SEC #2 RATED 5.0V, 3.0A, 28 TURNS
12/14/44 UX-8502C
JAN. 45

CRP-301588 SO-7M/7N
FILAMENT TRANSFORMER:
PRI: RATED 0.002 KVA, 115/1/50, 0.0175A, 4250 TURNS OF #38 E WIRE, 632.5Ω DC RES, SEC: 6.5V, 0.2CA, 290 TURNS OF #23 E WIRE, 5.29Ω DC RES, TEST VOLTAGE 1280 RMS PRI & SEC.

12/16/44 UX7466
JAN. 45

CRP:DL74-1016
SUB 3

CBM-301576
#34 SSE MAGNET WIRE.

CRP-301583
OF #16 E WIRE, 0.047Ω DC RES; SEC #3 RATED 6.3V, 0.6A, 35 TURNS OF #23 E WIRE, 0.30Ω DC RES; TEST VOLTAGE 1780V (RMS) ELECTROSTATIC SHIELD.

CRP-301589 SO-7M/7N
PLATE AND FILAMENT TRANSFORMER: PRIMARY: RATED 0.04 KVA, 115/1/60, 0.350 AMPS, 476 TURNS OF #25 E WIRE, 9.20Ω DC RES; SEC #1 RATED 390V, CT. 0.030A, 1720 TURNS OF #36 E WIRE, 483Ω DC RES; SEC #2 RATED 6.3V, 1.30A, 28 TURNS OF (2 OF #23 E) WIRE, 0.023Ω
12/16/44 UX-7456
JAN. 45

CRP-301577 SO-7M/7N
FILTER CHOKE:
INDUCTANCE 1.28 HENRIES AT 3 VOLTS RMS 60 CYCLES WITH 130 MILLIAMPS DC; 1200 1/2 TURNS OF #30 EN WIRE, 57Ω MAC DC RES. TEST 1200V (RMS).

CRP-301584 SO-7M/7N
PLATE TRANSFORMER:
PRIMARY: RATED 0.075 KVA, 115/1/400, 0.48 AMPS, 208 TURNS OF #24 E WIRE, 2.6Ω DC RES; SEC. 600V, 0.175A, CT. 1150 TURNS OF #29 E WIRE, 60Ω DC RES, TEST VOLTAGE 1780 VOLTS (RMS) ELECTROSTATIC SHIELD.
12/14/44 UX-8501C
JAN. 45

CRP-301589
DC RES: SEC #3 RATED 5.0V, 3.00A, 22 TURNS OF #16 E WIRE, 0.069Ω DC RES, ELECTROSTATIC SHIELD: TEST VOLTAGE 1780 RMS ON PRI. AND SEC #1,2,3.

12/13/44 UX-7776
JAN. 45

CRP:DL-74-788
SUB. 7

CRP:DL74-864
SUB 5

CRP-301578 SO-7M/7N
REACTOR:
INDUCTANCE 3 HENRIES AT 3 VOLTS RMS 60 CYCLES WITH 35 MILLIAMPS DC; 2500 1/2 TURNS OF #34 E WIRE, 250Ω MAC. DC RES., TEST 1780V (RMS).

CRP-301585 SO-7M/7N
TRANSFORMER FILAMENT:
PRIMARY: RATED 0.025 KVA, 115/1/400, 0.228A, 350 TURNS OF #23 E WIRE, 12.8Ω DC RES. SEC. RATED 6.3V, 3.7A, 20 TURNS OF #16 E WIRE, 0.054Ω DC RES; TEST VOLTAGE 1780V (RMS) ON PRI. AND SEC. ELECTROSTATIC SHIELD DOUBLE GROUNDED,
12/15/44 UX-9193
JAN. 45

CFM-301590 TRY-2
PLATE FILTER CHOKE
RATED 250 MILLIHENRIES ± 10%, MIN. 0.30. DC RESISTANCE 570 TO 590 OHMS, 60 MA. HAS 3500 TURNS #40 CELANEX COVERED ENAMEL WIRE. IRON CORE 3/8" DIA. X 3/4" LONG. COIL EXCLOSED IN XXX NATURAL BAKELITE CASE.
12/18/44
MAY 45

CAY:M-7409587-1
REV 0

12/14/44 UX-7725
JAN. 45

CRP:DL-74-823
SUB 3

CRP:DL74-1067
SUB. 1

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CRP-301591	SO-7H/7N	TRANSFORMER PRIMARY: RATED 0.178 KVA, 115/1/60, 1.55 AMPS, 355 TURNS OF #18 E WIRE, 1.60Ω DC RES. SEC: 42.0V, 3.60Ω, 139 TURNS OF #14 E WIRE, 0.310Ω DC RES, TAPPED AT 111 TURNS, 33.5V, 0.448A, 0.031Ω DC RES AND 125 TURNS, 38.0V, 0.40A, 0.031Ω DC RES. 12/18/44 UX-8930C JAN. 45	CRP:DL74-1069 SUB 3	CRV-301595	QCU OUTPUT TRANSFORMER PRI. IMPEDANCE AT 3 VOLTS 60 CYCLES, AND 0.02 AMP. DC IS 400 OHMS MIN. RATIO PRI. TO SEC #1 IS 1 TO 2; PRI TO SEC #2 IS 1 TO 2. PRI: 910 TURNS .0015 E WIRE, 23.1 OHMS DC RES. SEC #1 & #2: EACH 1820 TURNS .0056 E WIRE, 279 OHMS DC RES. 12/21/44 K-901730-501 JAN. 45	K-901750 ISS 2	CPU-301600	LAJ RE 13A 553 REACTOR: RATED 15 HENRIES AT 0.085 AMPS DC. CONSISTS OF 3000 TURNS OF #30 WIRE, 170 OHMS DC RESISTANCE, 2000 VOLTS DC TEST FROM WINDING TO CORE. 12/23/44 13642 JAN. 45
CRP-310591		TEST VOLTAGE 1780 RMS PRI. AND SEC.	CRP-310591			CRV-301595		CRV-301595 TERMINAL 4 IS COMMON TO BOTH SECONDARIES SEC #2 WINDING IN REVERSE HI-POTENTIAL 2000 VOLTS TO SHIELD AND CASE. GROUNDED ELECTROSTATIC SHIELD BETWEEN PRIMARY AND SECONDARIES IS BROUGHT OUT TO TERMINAL 3.
CRP-301592	SO-7H/7N	PLATE AND FILAMENT TRANSFORMER: PRIMARY: RATED 0.034 KVA, 115/1/400, 0.309 AMPS, 434 1/2 TURNS OF #26 E WIRE, 5.5Ω DC RES; SEC #1 RATED 110V, 0.01 AMPS, 442 1/2 TURNS OF #39 E WIRE, 144Ω DC RES; SEC #2 RATED 220V, CT 0.01A, 884 TURNS OF #39 E WIRE, 290Ω DC 12/19/44 UX-7410 JAN. 45	CRP:DL74-963 SUB 4	CRV-301596	QCU OUTPUT TRANSFORMER PRI IMPEDANCE AT 3 VOLTS, 60 CYCLES, AND 0 AMP DC SHALL BE 1300 OHMS MIN. RATIO PRI. TO SEC: 2.81 TO 1 ± 3%. PRIMARY: 880 TURNS, TAPPED AT 440 TURNS .0065 WIRE, 70.6 OHMS DC RESISTANCE. SECONDARY: 314 TURNS, TAPPED AT 157 TURNS, #.0089 12/21/44 K-901750-501 JAN. 45	K-901750 ISS. 3	CPU-301602	LAJ RE 13A 553 POWER TRANSFORMER: PRIMARY: 115/1/60 382 TURNS OF #23 WIRE. SECONDARY #1: 750 VOLTS CT, 0.07 AMPS 2660 TURNS OF #33 WIRE, SEC #2: 6.3 VOLTS, 3 AMPS, 22 TURNS OF #16 WIRE, SEC #3: .5 VOLTS, 2 AMPS, 17 TURNS OF DOUBLE #21 WIRE. ELECTROSTATIC SHIELD 12/23/44 5171-S JAN. 45
CRP-301592		RES: SEC #3 RATED 6.3V, 1.0 AMPS, 25 TURNS OF #22 E WIRE, 0.17Ω DC RES; SEC #4 RATED 2.5V, CT, 7.0 AMPS, 10 TURNS OF (2 OF #17 E) WIRE, 0.013Ω DC RES; INTERNAL CONNECTION FROM SEC. 2 CT TO SEC. 4 CT TO LOW SIDE OF PRIMARY.	CRP-301592			CRV-301596		CRV-301596 WIRE, 16.58 OHMS DC RES.
CRP-301593	SO-7H/7N	PLATE TRANSFORMER PRIMARY RATED 120/1/400, 2.7 AMPS TAPPED FOR OPERATION AT 110 AND 115 VOLTS; SEC RATED 6500 VOLTS, 0.055 AMPS, PRIM. CONSISTS OF 2 WINDINGS CONNECTED IN PARALLEL, EACH WINDING 185 1/2 TURNS OF #19 E WIRE, 0.92Ω DC RES; SEC. WINDING CONSISTS OF 8001 TURNS OF 31 HF WIRE 940 OHMS DC RES. ELECTROSTATIC SHIELD, TEST VOLTAGE RMS PRIMARY 1780, SEC. TWICE VOLTAGE INDICATED. 12/19/44 UX-8485A JAN. 45	CRP:DL74-1079 SUB 0	CAFT-301597	TS-323/UR OUTPUT TRANSFORMER: FREQ. 200-400 CPS. PRIMARY #1/#2 1800/1800 OHMS. SECONDARY 600 OHMS. 1.5 KV INSULATION TEST. 12/21/44 CS-0403 JAN. 45	CKB:33-A4024-2 CHANGE 0	CALT-301603	LU-3 RE 13A 553 CHOKER: RATED 14 HENRIES +30-10% AT 45 MA. CONSISTS OF 4230 TURNS #30 ENAMEL WIRE, 400 OHMS ± 10% DC RESISTANCE TEST VOLTAGE 2000 VOLTS RMS AC FOR 10 SEC. TERMINAL TO GROUND. 12/26/44 JAN. 45
CRP-301593		SISTS OF 8001 TURNS OF 31 HF WIRE 940 OHMS DC RES. ELECTROSTATIC SHIELD, TEST VOLTAGE RMS PRIMARY 1780, SEC. TWICE VOLTAGE INDICATED.	CRP-301593			CW-301598		CW-301598 AN/TPS-1B RETARDATION COIL: RATED 12.2 HENRIES MINIMUM AT 10 VOLTS, 60 CYCLES WITH 0.05 AMPS DC THROUGH WINDING. CONSISTS OF 1 WINDING OF 4420 TURNS #36 GAE WIRE, 640 OHMS DC RESISTANCE AT 68°F, 408 VOLTS PEAK TO GROUND. 12/22/44 D-166533 JAN. 45
CRP-301594	SO-7H/7N	RE13A554D PULSE AND FILAMENT TRANSFORMER: CONSISTS OF A PULSE TRANSFORMER T1 AND A FILAMENT TRANSFORMER T2. T1 RATED: PRIMARY 4 KV, 1 HU SEC. SECONDARY, 16 KV, 16 AMPS; T2 RATED PRIMARY 115 VOLTS, 1Φ, 400VA. WINDING DATA: T1 0T1-UX-8440, T2-UX-8260 12/20/44 UX-4298F JAN. 45	CRP:DL74-822 REV 15	CABU-301599	SV AUTO-TRANSFORMER: VARIABLE, CONTINUOUSLY TAPPED, WINDING CONDUCTORS EXPOSED. RATED 2 KVA, 60 CYCLES. INPUT: 115 VOLTS. OUTPUT -135 VOLTS, 15 AMPS MAX. WINDING 1-4 CONSISTS 160 TURNS #14 "E" WIRE 0.35 OHMS DC RESISTANCE. #2 TERMINAL TAPPED 133 TURNS 12/22/44 S 669 JAN. 45	CW:BA-105308 ISS. 1 CW:KS-15116 FIG. 1 ISS. 2	CUT-301604	LU-3 RE 13A 553 POWER TRANSFORMER: PRIMARY: 117 VOLTS 50 TO 800 CYCLES TAPPED FOR 80 VOLTS. SEC #1: 6.3 VOLTS 3.25 AMPS. SEC #2: 220 VOLTS TAPPED. ELECTROSTATIC SHIELD BETWEEN PRI. AND SEC. WINDINGS. 12/26/44 JAN. 45
CRP-301594		PRIMARY (1-G) 18 TURNS OF (4#22 HF) WIRE, 0.044Ω MAX. DC RES; SEC. CONSISTS OF 2 IDENTICAL WINDINGS (6-2) AND (7-3), 73 TURNS OF #22 HF WIRE, 0.63Ω MAX. DC RES; T2 PRIMARY 790 TURNS OF #34 EN WIRE, 42Ω MAX DC RES, SECONDARY 65 TURNS OF #23 EN WIRE, 0.44Ω MAX DC RES.	CRP-301594			CABU-301599		CABU-301599 FROM TERMINAL #1.
CRP-301605		WSEE BELOW LINE VOLTAGE REGULATOR: PRIMARY 95 TO 150V/1/60, 7.2 AMPS. SECONDARY: 115V ± 0.5%; 4.35 AMP, 90% POWER FACTOR. INCLUDES VOLTAGE REGULATOR TRANSFORMER U 4338, VOLTAGE REGULATOR CHOKE U4337; 8 MFD CONDENSER; AND A 0.1 MFD USE WITH VD SERIES 12/29/44 WX5044C FEB. 45	CRB:CK-1013 ISS. 8 CRB:TR-1022 ISS. A DU-74-1037 SUB. 10	CRP-301605		CRP-301605		CRP-301605 MFD GROUNDING CONDENSER. SAME AS TYPE CRP-301222 ELECTRICALLY BUT NOT MECHANICALLY.

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CTH- 301606 UJ
 CHOKE:
 INDUCTANCE RATED 8 HENRIES - CURRENT
 RATING 150 MA DC RESISTANCE 200 OHMS.
 TEST VOLTS 1600 RWS.
 12/30/44 13C30 CDU:DD-3470-A-2
 JAN. 45

CTH- 301607 UJ
 REACTOR:
 INDUCTANCE RATED 5 HENRIES. CURRENT
 RATING 200 MA DC RESISTANCE 80 OHMS.
 1600 TEST VOLTS RWS.
 12/30/44 67C49 CDU:DO-3370-B
 JAN. 45

CG- 301608 SU.SU-1
 TRANSFORMER. PULSE
 OPERATION FROM 1000Ω TO 50Ω. HIGH VOLT-
 AGE (PRIM.) 14 KV. LOW VOLTAGE (SECON-
 DARY) 3.1 KV. 200 K.W. INTENDED FOR
 OPERATION ON PULSES OF 1 MICROSECOND
 DURATION WITH A REPETITION RATE OF 600/
 SEC. PRIM. #1. 121 TURNS. TERMINALS 1 TO
 2/3/45 K-2461D .CBM:V973-24
 JULY 45 ALT 5

CG-301608
 5 1.400Ω ± 1% 94 OF 0.0179 HEAVY FORM
 WIRE AND 27 OF 0.0159 HEAVY FORMEX WIRE
 2 WIDE. PRIM #2 TERM. 2 TO 4 1.47Ω
 27 1/2%. SAME AS PRIM. #1. SEC #1 220 Ω
 DC RES 25 21 TURNS 0.0159
 HEAVY FORMEX WIRE. 2 WIDE. TURNS RATIO.
 4.5:1:: PRI #1: SEC #1: PRIM #2: SEC #1.

CPR- 301609 SF.SF-1
 FILAMENT TRANSFORMER
 PRIMARY RATED 115/1/400. 25.5 VA APPROX.
 0.22 AMPS. 427 TURNS OF #26 EN WIRE.
 6.7Ω D.C. RES; SEC #1/#2 RATED 2.5V/6.3V
 AT 5.0/1.5 AMPS 10/27 TURNS OF 2 X 17EN/
 19SCC WIRE. 0.011Ω/0.175Ω D.C. RES;
 ELECTROSTATIC SHIELD DOUBLE GROUNDED;
 2/5/45 UX-7C12C CRP:DU74-849
 JULY 45 ALT 1

CRP-301609
 TEST VOLTAGE 1780.

CRP- 301610 SF.SF-1
 FILAMENT TRANSFORMER
 PRIMARY RATED 115/1/400. 17.4 WATTS
 APPROX. 0.170 AMPS. 346 TURNS OF #23E
 WIRE. 9Ω D.C. RES; SEC. RATED 6.3 VOLTS
 AT 2.5 AMPS. 21 TURNS OF #18E WIRE.
 0.07Ω D.C. RES; ELECTROSTATIC SHIELD.
 2/5/45 U-7585A CRP:DL74-718
 JULY 45 SUB 4

CASS- 301611 1S-120/UP
 CHOKE COIL:
 RATED 6.0 HENRIES - 10% WITH A DC CUR-
 RENT OF 0.15 AMPS. OPERATING FROM AN
 INPUT AC VOLTAGE OF 50 TO 800 CYCLES PER
 SECOND.

12/30/44 366 CRB:CK-1022A
 JAN. 45 ISSUE A

CASS- 301612 1S-120/UP
 TRANSFORMER:
 PRIMARY: 0-115 VOLTS. TAPPED AT 90. 1.30
 AMP. 50 TO 400 CPS. #19 E WIRE. SEC #1:
 500-0-500V TAPPED AT 500. 0.110 AMPS.
 #29 E WIRE. SEC #2/#3/#4/#5/#6 IS 6.3/
 5.0/6.3/6.3/6.3 VOLTS AND 4.5/3.0/0.65/
 0.65/1.25 AMP AND #14 E/15E/22E/19E
 12/30/44 365 CRB:TR-1024A
 JAN. 45 ISSUE A

CASS- 301612
 WIRE.

CLY- 301613 SV
 TRANSFORMER. POWER:
 PRIM: (1-4) 108.5 TURNS TAPPED AT 83/98.5
 TURNS. 115/1/60. 18 AMPS. 0.060 OHMS DC
 RES. SEC: (5-6) 2170 TURNS. 56 OHMS DC
 RES. 2750V. 0.75 AMP WHEN 115V. 18 AMPS
 IS IMPRESSED ACROSS TERM 1-2. SEC. VOLT-
 AGE DECREASES 10% WHEN 115V 18 AMP IS
 1/2/45 CW:KS-9668 CW:80-102099
 JAN. 45 ISSUE 1

CLY-301613
 IMPRESSED ACROSS TERM 1-3. SEC VOLTAGE
 DECREASES 20% WHEN 115V 18 AMP. IS IM-
 PRESSED ACROSS TERM 1-4. ELECTROSTATIC
 SHIELD GROUNDED TO CASE. SHELL TYPE
 TRANSFORMER HERMETICALLY SEALED.

CCV- 301614 SV
 TRANSFORMER. POWER:
 PRIM. (1-2) 120 TURNS. 0.75Ω DC RES.
 115/1/57 TO 65-. 2.7 AMPS. #18 GA "E"
 WIRE. SEC: (3-5) 700 TURNS CENTER TAPPED
 65Ω DC RES. 636V. 0.246 AMPS. #29 GA "E"
 WIRE. (6-7) 3 TURNS. 0.002Ω DC RES. 2.8V
 18 AMPS. (SEC: (6-7) & (8-9) WOUND IN
 1/2/45 T-7895 80-103660
 JAN. 45 ISSUE 1

CCV-301614
 PARALLEL WITH 0.083" ± 0.001" BY 0.268"
 ± 0.003" RECTANGULAR DC WIRE) (8-9) 3
 TURNS 0.002Ω DC RES. 2.8V. 18 AMPS.
 (10-11) 5 1/2 TURNS. .05Ω DC RES. 5V. 2
 AMPS. #18 GA "E" WIRE. ELECTROSTATIC
 SHIELD CONNECTED INTERNALLY TO CORE.
 SHELL TYPE TRANSFORMER HERMETICALLY
 SEALED.

CLG- 301615 *SEE BELOW
 TRANSFORMER ASSEMBLY:
 POWER TRANSFORMER: PRIMARY P1/P2. 13
 AMPS. P1 TAPPED FOR OPERATION FROM 100V.
 104 ± 0.8V. OR 108 ± 0.8V. P2 7 AMPS
 TAPPED FOR OPERATION FROM 87.5 ± 1.5V.
 95.8 ± 7.3V. WINDING DATA: (P1) 130
 *RECTIFIER POWER UNIT
 1/4/45 CLG:TA-2280 TA-2280A-5
 JAN. 45

CLG- 301615
 TURNS #12 EN WIRE TAPPED CLG- 301615
 AT 120 & 125. (P2) 125 TURNS #16 EN WIRE
 TAPPED AT 105 & 115. SECONDARY: 55 TURNS
 DUAL #12 TAPPED AT 23 AND 33.

CCV- 301616 QJB
 TRANSFORMER. POWER:
 WHEN 105V 60~ 5.9 AMP IS IMPRESSED TERM
 1-2 OR 115V 60~ 5.4 AMP IS IMPRESSED ON
 TERM 1-3. SECONDARY HAS 115V 5.0 AMP
 ON TERM 4-5. PRIMARY: 1-3. 140 TURNS
 TAPPED AT 128 TURNS (1-2); #17 GA E WIRE
 0.71Ω DC RES. SECONDARY: 4-5. 153 TURNS
 1/4/45 CCV:T-7903 CW:IESO-649982
 JAN. 45 ISSUE 3

CCV-301616
 #18 GA E WIRE. 1.10Ω DC RES. ELECTRO-
 STATIC SHIELD IS CONNECTED INTERNALLY
 TO CORE AND CASE. FOR INTERMITTENT DUTY
 ONLY.

CLG- 301617 *SEE BELOW
 CHOKE ASSEMBLY:
 CONSISTS OF 130 TURNS OF #11 ENAMEL
 WIRE. DUAL WOUND. 0.095Ω DC RESISTANCE.
 EXCITING CURRENT AT 60V. 60~ IS 2.2 AMPS
 ± 0.3 AMPS. FLASH TEST VOLTAGE 550V. AC
 COIL TO CORE. ASSEMBLED & POTTED IN CASE.
 *RECTIFIER POWER UNIT
 1/4/45 CLG:TA-2305B-2 CLG:TA-2350B-2
 JAN. 45

CLG-301617
 IMPEDANCE 0.04 HENRIES AT 1000 CYCLES.

CLG- 301618 *SEE BELOW
 CHOKE ASSEMBLY:
 CONSISTS OF 3 COILS ASSEMBLED ON AN IRON
 CORE AND POTTED IN A CASE. COILS #1/#2
 ARE IDENTICAL, CONSISTING OF 156 TURNS
 TAPPED AT 45. 58. 68. 90. AND 116 TURNS.
 6 SECTIONS 1/2/3/4/5/6 HAVING #13/#16/
 *RECTIFIER POWER UNIT
 1/4/45 CLG:TA-2705A-3 CLG:TA-2705A-3
 JAN. 45

CLG-301618
 #19/#16/#19/#22 ENAMEL WIRE. COIL #3
 CONSISTS OF 2 SEPARATE WINDINGS #1/#2
 1180 TURNS #19EN/66 TURNS #19 EN WIRE.
 FLASH TEST 1000V AC APPLIED TO TERM #1/
 #16 TO POT. 500V AC. #3 & #4 TO POT.

CRP- 301619 SF. SF-1
 PLATE & FILAMENT TRANSFORMER
 PRIMARY 115/1/400. 370 TURNS OF #25EN
 WIRE. 4.7Ω DC RES; SEC #1/#2 RATED
 5000V/2.5V AT 0.002/5 AMPS. 16.400/8 1/2
 TURNS OF #42HF/#16 SCE WIRE. 9300Ω/
 0.024Ω DC RES; TERMINAL OF S1 GROUNDED
 TO CONTAINER: CORE IS DOUBLE GROUNDED.
 2/5/45 UX-75030 CRB:100CA-81-U
 MAR. 45 ALT 0

CAO- 301620 QJB
 MAGNETIC COIL
 USED IN CAO-29302 MAGNETIC CONTACTOR.
 THIS COIL HAS 2090 TURNS. #28 GA E WIRE.
 76.0Ω DC RES. RATED 450V 60~ 1.8 AMP
 INITIAL CURRENT. AND 0.1 AMP SEALED CUR-
 RENT. COIL WOUND ON MOLDED PHENOLIC COIL
 FORM IN ACCORDANCE WITH NAVY SPEC 17P4
 1/5/45 CAO:125L3 CAO:16956
 JAN. 45 REV 0

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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Class 30—Transformers and Reactors

3.30-89

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION						
TYPE CFI.		CAO-301620	26V 6.3 AMP, 38.5 TURNS. #14 GA "E", 0.130Ω DC RES. (9-10) 6.4V 3.0 AMP 9.5 TURNS, #14 GA "E", 0.035Ω DC RES. (11-12) 6.4V 8.0 AMP 9.5 TURNS, #14 GA "E", WOUND AS A PARALLEL PAIR, 0.018Ω DC RES. (13-14) 5.2V 6.0 AMP 7.5 TURNS, #14 GA "E", WOUND AS A PARALLEL PAIR 0.015Ω DC RES. SILICON STEEL CORE. POTTED IN RECTANGULAR METAL CASE. ELECTROSTATIC SHIELD.	CLY-301624		CAIU-301628		12.65 OHMS DC RESISTANCE.						
CPB-301621 SV		SOLENOID, ROTORY TYPE CONSISTS OF A SINGLE OPERATING COIL, CORE, AND A MAGNETIC FIELD STRUCTURE. COIL CONSISTS OF SINGLE WINDING 10,000 TURNS, #30 GA "E" WIRE, 1900Ω ± 10% DC RES AT 20°C, MIN 300V MAX 350V RATED 325V. MAGNETIC FIELD STRUCTURE HELD 1/8/45 CPB:322 CW:KS-15073 JAN. 45 FIG 3 ISS 2	CW-301625 OBC		TRANSFORMER, INPUT IMPEDANCE RATIO WINDINGS (1-4)/(5-6): 600/75000Ω; BETWEEN WINDINGS (2-3)/(5-6) 30/75000Ω OPERATES ON FREQUENCY OF 30-10000 CPS. PRI: (1-4) 572 TURNS 63Ω DC RES. (WINDINGS (1-2)/(3-4) 222 TURNS EACH, #36 GA "E" WIRE). (2-3) 126 TURNS 1/9/46 CW:D-162835 FEB. 45				CFT-301629 DBF		TRANSFORMER, POWER PRIMARY RATED 117V, #29 WIRE 385 TURNS 10.7 OHMS DC RES. SEC #1: 6.3 VOLTS #22 WIRE 21 TURNS 0.0153 OHMS DC RES. SEC #2: #41 WIRE 5700 TURNS 2800 OHMS DC RES. 1/8/45 CFT:TPB-1799-2 FEB. 45		CFT:RF-3482-2 ISS 0	
		CPB-301621	STATIONARY, CORE ROTATES IN 90° ROTATION WHEN COIL IS ENERGIZED AND RETURNS TO NORMAL POSITION BY SPRING ACTION WHEN COIL IS DEENERGIZED.	CH-301625		-301630 R80-1		TRANSFORMER, POWER PRI: 115/160, 0.0825 KVA, 0.71 AMPS; SEC #1/2/3: 510CT/6.3/5.0 VOLTS AT 0.08/3.8/4.0 AMPS, 255/50Ω, 220V DC TO GROUND, ELECTROSTATIC SHIELD, WAX IMPREGNATED, HERMETICALLY SEALED. 6CADF:454P4 1/8/45 CRA:7233 FEB. 45		CZC:7233		CTH:T-47301 B ISS 0		
CLV-301622 SV		TRANSFORMER, POWER PRIM: (1-2) 115V 60~ 1.2 AMP, 253 1/2 TURNS, #21 GA "E" WIRE, 2.2Ω DC RES. SEC: (3-4) 5.3V 10.3 AMP, 13 TURNS, #16 GA "E" WIRE, WOUND AS PARALLEL PAIR, 0.022Ω DC RES. (5-6) 5.3V 10.3 AMP, 13 TURNS #16 GA "E" WIRE, WOUND AS PARALLEL 1/8/45 CLV:KS-9669 FEB. 45				-301631 R80		OUTPUT TRANSFORMER FREQ. RESPONSE 75 TO 15,000 CYCLES. PRI. IMPEDANCE 8000 OHMS AT 10V 400 CYCLES WITH 40 MA DC; 2500 TURNS OF #37 E WIRE, 649Ω DC RES. SEC #1/2/3 IMPEDANCE 60Ω/60Ω/5000Ω, 236/753/2250 TURNS OF #26 E/ #31 E/ #36 E WIRE, 5.083Ω/55.8Ω/489Ω DC 1/8/45 CTH:T-46789 FEB. 45		CZC:6008		SPEC #S-6008		
		CLV-301622	PAIR, 0.025Ω DC RES. SHELL TYPE TRANSFORMER WITH A SILICON STEEL CORE AND A THERMO SNAP SWITCH (NORMALLY CLOSED) ARRANGED IN AN OIL FILLED RECTANGULAR CASE. ELECTROSTATIC SHIELD CONNECTED INTERNALLY TO CORE.			-301631		RES; TURNS RATIO PRIM. #1; SEC #1/#2/#3 IS 2500: 236/753/2250; COMMON TERMINAL TO ALL SECONDARIES. S1, S2, S3 NOT BE BE LOADED SIMULTANEOUSLY; WAX IMPREGNATED, HERMETICALLY SEALED; TEST VOLTAGE 1500 RMS, 60 CYCLES.						
CLV-301623 SV		TRANSFORMER, POWER PRIM: (1-2) 115V 57-63~ 1.8 AMP, 235 TURNS, #16 GA "E" WIRE, 0.0Ω DC RES. SEC: (3-5) 235V 0.115 AMP, 4950 TURNS, C.T., #28 GA "E" WIRE, 315Ω DC RES. SHELL TYPE TRANSFORMER, SILICON STEEL CORE, POTTED IN RECTANGULAR METAL CASE. 1/8/45 CLV:KS-9670 FEB. 45				-301632 R80		REACTOR, FILTER INDUCTANCE 32 HENRIES AT 10 VOLTS, 1000 CPS WITH 40 MA DC. VOLTAGE TO GROUND 1500 VOLTS, 3900 TURNS OF #34 E WIRE, 540 OHMS DC RESISTANCE. 1/9/45 CTH:T-46789 FEB. 45		CZC:5048		ISS 0		
		CLV-301623	ELECTROSTATIC SHIELD CONNECTED INTERNALLY TO CORE. ABOVE OUTPUT OBTAINED WHEN WINDING IS CONNECTED TO A CAPACITIVELY TERMINATED FULL WAVE RECTIFIER.	CAIU-301627 QJB		-301632		AND 379 TURNS. SHELL TYPE OPEN. ELECTROSTATIC SHIELD GROUNDED TO CORE.						
CLV-301624 SV		TRANSFORMER, POWER PRIM: (1-2) 115V 57-63~ 4.3 AMP, 165 TURNS, #13 GA "E" WIRE, 0.340Ω DC RES. SEC. (3-4) 28.5V 3.1 AMP, 42 TURNS, #15 GA "E" WIRE, 0.130Ω DC RES. (5-6) 7.3V 14.0 AMP, 11 TURNS, #13 GA "E", WOUND AS A PARALLEL PAIR, 0.015Ω DC RES. (7-8) 1/8/45 CLV:KS-9671 FEB. 45				CAIU-301628 QJB		RETARDATION COIL ASSEMBLY OF 2 COILS, EACH RATED 0.4 AMP, MAX. 125V DC. INDUCTANCE EACH COIL: 1.44 HENRIES ± 10% AT 60 CPS WITH 0.3 AMP DC FLOWING; 1.68 HENRIES ± 10% AT 60 CPS, WITH 0.08 AMP DC. EACH COIL HAS 900 TURNS #24 E WIRE, TAPPED AT 850 TURNS; 1/12/45 RF-83 FEB. 45				CTH-301633		PREGNATED. ELECTROSTATIC SHIELD.

RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	
CTH-301634	RBO	TRANSFORMER, POWER PRI. 115/1/50, 0.07 KVA, 0.61 AMPS, 308 TURNS OF #22 E WIRE, 3.1Ω DC RES; SEC #17/2/3: 51CV CT78.3V/6.3 AT 80 MA/ 3.8A/1.2A, 1416/18/18 TURNS OF #32 E/17 E/20 E WIRE, 168.2Ω/0.376Ω/0.151Ω DC RES. 255 AC/GR2/270 DC VOLTS TO GRD; WAX 1/9/45 T-47670 CZC:7070 FEB. 45 ISS 0	CM-301639	UNPOTTED SHELL TYPE WITH SILICON STEEL CORE, ELECTROSTATIC SHIELD CONNECTED TO CORE.	CRP-301645	HJ 3,7,9, SMOOTHING CHOKE RATED 6 HENRIES, 80 MILLIAMPS DC, 260 TURNS OF #34 E WIRE, 310Ω DC RES, TEST VOLTAGE 1275 VOLTS RMS; HERMETICALLY SEALED.	1/20/45	U-5018A	CBM:1000A-106 U FEB. 45 ALT 0
CTH-301634	IMPREGNATED: ELECTROSTATIC SHIELD; TEST VOLTAGE 1500V. RMS 60 CYCLES.		CM-301640	TEF RECTIFIER (4) PANEL (A) TRANSFORMER: CONSISTS OF ONE 230/1/50 TO 60 TRANSFORMER RATED 2.1 KVA; OUTPUT 2260/1/50 TO 60; POWER LINE FUSES, A TIME DELAY RELAY, AND A GRID DIAS PRO- TECTION RELAY.	CRP-301645	SO-7M/7N RE13A554D TRANSFORMER, FILAMENT PRIMARY RATED: 0.034 KVA, 115 VOLTS; SINGLE PHASE, 60~; 0.3 AMPS; 835 TURNS OF #27 E, 18.97Ω DC RES. SECONDARY: 2.5V 11 AMPS; 20 TURNS OF 2X#14 E WIRE, CT AT 10 TURNS, 0.013Ω DC RES. ELECTROSTA- *CRP:DL74-1915 REV 2 1/22/45 CRP:UX-9113A CRP:92-716 G 2 FEB. 45			
CCV-301635	MK 12 MOD 0 RETARDATION COIL COIL DATA: INDUCTANCE IS 0.07 HENRIES MIN. WHEN MEASURED WITH 3 ± 0.15V, 400 ± 8 CPS, AND 0.4 ± 0.008 AMP DC APPLIED TO WINDING; 310 TURNS #23 GA "E" WIRE, 2.3 OHMS DC RESISTANCE AT 68°F. SHELL TYPE, POTTED.	1/16/45 CCV:T-7767 CM:ES0-663695 FEB. 45 CW:KS-9530 ISS 1ISS 1	CM-301641	TEF RECTIFIER (4) PANEL (B) TRANSFORMER: CONSISTS OF 2 SINGLE PHASE 230/1/50 TO 60 TRANSFORMERS RATED 2.1 KVA; OUTPUT 2260/1/50 TO 60.	CRP-301645	TIC SHIELD, 0.007 HYPERSIL CORE.			
CM-301636	OBC REPEATING COIL TOROIDAL IN SHAPE. IMPEDANCE RATIO BE- TWEEN TERMINALS (4-3)(8-7) AND (2-1) (6-5) IS 600:135. FREQ. RANGE IS 200 CY- CLES TO 150 KC. WINDING DATA - OUTER WINDING: (1-2) AND (5-6) EACH 102 TURNS 24 GA EN. WIRE, 0.84 OHMS DC RES. INNER 1/16/45 D-166464 BA-105589 FEB. 45 ISS 1		CM-301642	TEF VOLTAGE REGULATOR INPUT 230/1/60 OR 115/1/60 WHEN SPECIAL TEST CABLE IS CONNECTED TO RECEPTACLE D1 OF TYPE CM-10454. HIGH FREQUENCY DISTRI- BUTION PANEL, CONTAINS A MAGNETIC TYPE VOLTAGE REGULATOR AND 230 VOLT TO 115 VOLT STEP-DOWN TRANSFORMER.	CRP-301647	SO-7M/7N TRANSFORMER, PLATE PRIMARY RATED: 280VA; SINGLE Φ, 60~ 270 TURNS OF #15 E, 0.550Ω DC RES. 115V SEC- ONDARY RATED: 350VA, SINGLE Φ, 60~ 680 TURNS OF #18 E, 4.00Ω DC RES. TAPPED AT 340 TURNS. ELECTROSTATIC SHIELD. NON *CRP:DV92-657/GI REV 5 1/22/45 CRP:UX-9112A CRP:92-657 GI FEB. 45 REV 6 *			
CM-301636	WINDING: (3-4) AND (7-8) EACH 215 TURNS, 23 GA EN. WIRE, 3.8 OHMS DC RES, WOUND AS A TWISTED PAIR, HAS A 2500 MMF (± 1% MMF) CAPACITOR BETWEEN TERMINALS 2 AND 5. ELECTROSTATIC SHIELD BETWEEN WINDINGS CONNECTED TO TERMINAL 5. MOUNTED AND POTTED IN RECTANGULAR CASE.		CCV-301643	SV POWER TRANSFORMER PRI (1-2): 135V, 16 AMPS, 57-63 CPS, 96 TURNS #6 GA SQ. DC WIRE, 0.05 OHMS DC RES. SEC (3-5): 562V, 4.6 AMPS, 850 PEAK VOLTS TO GROUND, 403 TURNS #12 GA E WIRE, 1.5 OHMS DC RES. SECONDARY CENTER TAPPED. ELECTROSTATIC SHIELD BETWEEN 1/17/45 T-7394 CM:BO-163692 FEB. 45 CW:KS-9770 ISS 1 ISS 1	CRP-301647	HERMETICALLY SEALED, HYPERSIL TRANS. CORE.			
CFX-301637	DAS-4 BLOCKING TRANSFORMER PRI. INDUCTANCE: 18.3 MH. AT 1000 CYCLES 0 AMPS DC, DC RES. 3.7 OHMS, 0 IS 3.6. SEC. INDUCTANCE: 85 MH AT 1000 CYCLES, 0 AMPS DC, DC RES 8 OHMS, 0 IS 3.9. MUT- UAL INDUCTANCE 32.5 MH. COEFFICIENT OF COUPLING IS 0.89.	1/16/45 12524 CFE:40.153 FEB. 45	CCV-301643	SV PRIMARY AND SECONDARY WINDINGS CONNECTED INTERNALLY TO CORE. SHELL TYPE WITH STEEL MTG BRACKETS.	CADF-301648	RCK FILTER CHOKE SECTION A (2-4): 2.8 HENRIES ± 10% AT 5V, 100 CPS, NO DC. HAS 2260 TURNS #36 E WIRE WITH 210 OHMS MAX. DC RES. SECTION B (3-4): 1.6 HENRIES ± 10% AT 5V, 1000 CPS, NO DC. HAS 1000 TURNS #35 E WIRE WITH 140 OHMS MAX. DC RES. SECTION C 1/22/45 454CU7 CZC:8294 FEB. 45 ISS 3			
CUT-301638	DAS-4 FILTER CHOKE INDUCTANCE IS 20 HENRIES AT 100 MA DC RESISTANCE 350 OHMS, 4676 TURNS #32 EN WIRE.	1/16/45 80259 CFE:40.182 FEB. 45	CCV-301644	TS-35A/AP TRANSFORMER PRI: RATED 115 VOLTS, 50 TO 1200 CYCLES, 1.4 AMPS, 1.9 OHMS DC RES., 111 TURNS ± 1 TURN #18 GA E WIRE (TERM. 1-A) AND 96 TURNS #21 GA E WIRE (TERM. 1-2), SEC. (3-4) RATED 300V, 0.29 AMPS, 566 TURNS #27 GA E WIRE, 26.7 OHMS DC RES. SEC. 1/18/45 CCV:T-7801 CM:BO-100858 FEB. 45 CW:KS-9652 ISS 1 ISS 1	CADF-301648	(1-4): 2.8 HENRIES ± 10% AT 5V, 1000 CPS, NO DC. HAS 2260 TURNS #36 E WIRE WITH 210 OHMS MAX. DC RES. CORE MATERI- AL .010 AUDIO "AA" ANNEALED STEEL.			
CM-301639	TS-5/AP TRANSFORMER, POWER PRIMARY: 115V, 0.5 AMP, 50 TO 1200 CPS, 448 TURNS, 24 E WIRE, 6.5Ω DC RES. SEC- ONDARY #1: 570V, 0.055 AMP, 2408 TURNS (CENTER TAPPED), 32 E WIRE, 270Ω DC RES. SECONDARY #2: 6.4V, 3 AMP., 27 TURNS (CENTER TAPPED), 16 E WIRE, 0.08Ω DC RES. 1/16/45 CM:D-166532 CW:RL-105890 FEB. 45 ISSUE 1		CCV-301644	(4-5) RATED 6.3V, 2.25 AMPS, 12 TURNS #22 GA E WIRE WOUND AS PARALLEL PAIR, 0.095 OHMS DC RES. SEC (6-7) RATED 22.0V, 1.25 AMPS, 42 TURNS #22 GA E WIRE, 0.67 OHMS DC RES. SEC (7-3) RATED 6.3V, 2.4 AMPS, 12 TURNS #22 GA E WIRE WOUND AS PARALLEL PAIR, 0.1Ω DC RES. ELECTROSTATIC SHIELD BETWEEN PRI & SEC WINDINGS IS CONNECTED TO CORE. BRACKETS & TER. G. UNPOTTED SHELL TYPE	CADF-301649	RCK FILTER CHOKE SECTION A (2-3) AND SECTION B (1-3) EACH RATED 0.8 HENRIES ± 10% AT 5V, 1000 CPS, NO DC AND EACH CONSISTS OF 1510 TURNS #34 E WIRE WITH 69 OHMS DC RES. CORE MATERIAL 0.010 "AA" STEEL.	1/22/45	454CUG	CZC:8295 FEB. 45 ISS 3

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CADF-301650 ROK OUTPUT TRANSFORMER PRI: 5000 OHMS AT 1000 CPS WITH 40 MA DC. HAS 1500 TURNS #34 E WIRE WITH 115 OHMS DC RES. INDUCTANCE 4.13 TO 4.16 HENRIES AT 2 VOLTS, 1000 CPS. SEC. 600 OHMS. CENTER TAPPED WITH EACH SECTION CONSISTING OF 41 TURNS #25 E WIRE WITH 1/22/45 4544A CZO:8296 FEB. 45 ISS 4			CFX-301655 OGD TRANSFORMER, POWER PRI. RATED 115/1700: 238 TURNS #19 WIRE, 1.5Ω DC RES. SEC #1: 325-0-325V, 150 MA; 1400 TURNS #29 WIRE CT, 75Ω DC RES. SEC #2: 5V, 4 AMPS, 11 TURNS #15 WIRE, .036 OHMS DC RES. SEC #3: 6.3V, 2.5 AMPS, 14 TURNS #17 WIRE, 0.075Ω DC RES. SEC #4: 1/23/45 12267 FEB. 45			CKT-301660 SR-2 REACTOR RATED 700 HENRIES, 30 MA DC. INSULATED FOR 5000V 5000 TURNS OF #27 E WIRE. 324Ω DC RES. HERMETICALLY SEALED. 1/24/45 S-19930 CRV:M-433060-1 MAY 45 REV 0		
CADF-301650 0.25 OHMS DC RES. CORE OF 29 GA. "A" IRON. ELECTROSTATIC SHIELD BETWEEN PRI. & SEC.			CFX-301655 6.3V, 1 AMP, 14 TURNS #21 WIRE, 0.175Ω DC RES. HERMETICALLY SEALED IN METAL CAN. 4 7/16" X 5 3/16" X 5 1/2", FOUR 10/32 MTG STUDS, 11 SOLDER LUG TERMINALS. 1/23/45 12268 FEB. 45			CRP-301661 SO-7H/7H TRANSFORMER CONSISTS TWO COILS EACH CONSISTING OF 3 WINDINGS. PRIM #1/SEC #1/SEC #2 EACH CONSISTING OF 50 TURNS OF #36 E WIRE WITH 1.75/1.9/2.05 OHMS DC RESISTANCE RESPECTIVELY. HERMETICALLY SEALED CAN MOUNT ON A MEDIUM OCTAL TUBE BASE. PRIM. 1/23/45 DUB2-654 G1 FEB. 45 REV 9		
CAY-301651 MK 8 MOD 4 TRANSFORMER, UNIT PRI. RATING: 98V 240~ AC, SEC. RATING: 10.8V-240~ AC. PRIMARY CONSISTS OF 725 TURNS OF #29 (.0115) EN. WIRE, SECONDARY CONSISTS OF 80 TURNS OF #22 (.0254) EN. WIRE. INPUT TRANSFORMER FOR MAGNETIC PICKOFF COILS. 1/29/45 CAY:1282762 4-C-1722 FEB. 45 CHANGE 1			CFX-301656 OGD CHOKE, FILTER RATED 10 HENRIES, 150 MA; 3400 TURNS #30 WIRE, 170 OHMS DC RESISTANCE. HERMETICALLY SEALED IN METAL CAN 3 1/8" X 3 7/16" X 4 1/4". WITH 2 SOLDER LUG TERMINALS. FOUR 10/32" MTG. STUDS. 1/23/45 12268 FEB. 45			CRP-301661 #1 WINDINGS CONNECTED IN SERIES BETWEEN PRIM #1 & #8 SEC #1 WINDINGS IN SERIES BETWEEN #2 & #7. SEC #3 WINDINGS CONNECTED SEPARATELY BETWEEN PIN #3-#4 AND #5-#6. COILS MOUNTED ON HIPERSIL CORE. 1/23/45 DUB2-654 G1 FEB. 45 REV 9		
CADF-301652 RCH FILTER CHOKE INDUCTANCE 12 HENRIES AT 5 VOLTS 1000 CYCLES WITH 80 MILLIAMPS, 340 TURNS OF #32 ENAMELED WIRE, 250Ω DC RES; WAX IMPREGNATED; HERMETICALLY SEALED; TEST VOLTAGE 1500V R.M.S. 1/22/45 45404 CZO:7085 FEB. 45 ISSUE 2			CW-301657 AN/TPS-1B TRANSFORMER, AUTO, VARIABLE INPUT 115V, 50-60 CPS, OUTPUT VARIABLE FROM 0-150V MAX BRUSH CURRENT 30 AMPS, OUTPUT RATING 3.90 KVA. PROVIDED WITH ROTATING BRUSH WHICH MAKES CONTACT BETWEEN BARED SURFACE OF TRANSFORMER WINDING AND LOAD AND CHANGES VOLTAGE BY 1/23/45 B-436344 BA-105043 FEB. 45 CAT:TH-30A MOD ISS 1			CKT-301662 SR-2 REACTOR RATED 10 HENRIES AT 0.075 AMPS DC RIPPLE FREQUENCY 120 CPS, MAX RES. 300Ω DC. HERMETICALLY SEALED. AMBIENT TEMP. OF OPERATION 50°C. CONTINUOUS OPERATION 3200 TURNS OF #32E WIRE 1600V DC TEST. 1/24/45 S-20080 CRV:K-387661 MAY 45 REV 0		
CW-301653 OBC TRANSFORMER, INPUT FREQUENCY RANGE OF 2 TO 10 KC PRIMARY: 200Ω IMPEDANCE, 500 TURNS, #16GA"E" WIRE, 25Ω DC RESISTANCE SECONDARY #1: 512Ω IMPEDANCE, 800 TURNS, #37 GA"E", 170Ω DC RESISTANCE SECONDARY #2: 512Ω IMPEDANCE, 800 TURNS, #37 GA"E" WIRE, 170Ω DC RES. 1/22/45 CW:D-162793 CW:BA-105770 FEB. 45			CW-301657 VARYING RATIO OF TRANSFORMER'S ACTIVE PRIMARY TO SECONDARY TURNS.			CKT-301663 SR-2 FILTER REACTOR RATED 20 HENRIES, 20 MA. INSULATED FOR 1500V 4375 TURNS #35 P.E. WIRE, 300Ω DC RES. HERMETICALLY SEALED. 1/24/45 S-20193 CRV:M-433018 MAY 45 REV 0		
CW-301653 SHELL TYPE TRANSFORMER WITH SILICON STEEL CORE POTTED IN A MOISTURE PROOF AIRTIGHT CASE, WITH A SINGLE SIDE MOUNTING ARRANGEMENT, ELECTROSTATIC SHIELD.			CEO-301658 NXsr-67982 RE13A553 POWER TRANSFORMER CONSISTS OF 2 PRIMARIES FOR 115/230V OPERATION, 0.52/0.26 AMPS. PRI #1/#2: BOTH 430 TURNS, #27 EN. WIRE, WITH 11.25/12.44Ω DC RES; SEC (5&7) 300V, 70 MA; 2400 TURNS #33 EN. WIRE, 355Ω DC RES; SEC (8&9) 6.3V, 3 AMPS, 26 TURNS 1/23/45 CEO:EH-80 CME:A369 FEB. 45 CME:SPEC D/PA369 REV B			CKT-301664 SR-2 FILAMENT TRANSFORMER: PRI. RATED 115V, 60 CPS, 70 WATTS, 409 TURNS #24 P.E. WIRE, 5.4 OHMS DC RES. SEC 1/SEC 2: 2.5V, 6.0 AMPS/6.3V, 3.4 AMPS; 9 TURNS #15 P.E. WIRE/23 1/2 TURNS #12 P.E. WIRE 0.15/0.15 OHMS DC RES. ELECTROSTATIC SHIELD BETWEEN PRI & SEC 1/24/45 S-19931 CRV:M-433653-1 MAY 45 REV 0		
CAOF-301654 RCH OUTPUT TRANSFORMER PRIMARY IMPEDANCE 5000 OHMS AT 10 VOLTS 400 CYCLES WITH 45 MILLIAMPS DC. 2000 TURNS OF #34 ENAMELED WIRE 275Ω DC RES; SECONDARY #1/#2 IMPEDANCE 600Ω/20,000Ω, 690/3310 TURNS OF #30 E/#37 E WIRE. 327/1000Ω DC RES; TURNS RATIO PRIM #1: SEC 1/22/45 4544A CZO:7693 FEB. 45 ISS 2			CEO-301658 #17 EN WIRE, 0.139Ω DC RES; SEC (10&11) 5V, 2 AMPS, 20 TURNS, #19 EN WIRE, 0.173 OHMS DC RES. PRI RATED AT 60 WATTS. SEC (5&7) CT AT TERMINAL 6. ELECTROSTATIC SHIELD BETWEEN PRI & SEC.			CKT-301664 GROUNDED TO CASE. HERMETICALLY SEALED.		
#1/#2 CADF-301654 (S 200:69/331; COMMON TERMINAL TO SECONDARIES; S1 AND S2 NOT TO BE LOADED SIMULTANEOUSLY; WAX IMPREGNATED; HERMETICALLY SEALED.			CEO-301659 NXsr-67982 RE13A553B FILTER CHOKE RATED 30 HENRIES, 50 MA. INSULATED FOR 1600 VOLTS RMS CORE TO CASE. WINDING DATA: 5000 TURNS #34 EN WIRE, NOT MORE THAN 750 OHMS. TEMPERATURE RISE NOT TO EXCEED 25°C ABOVE 35°C AMBIENT. HERMETICALLY SEALED. 1/23/45 CEO:GE-17 CME:A566 FEB. 45 CME:SPEC B/PA366 REV A			CKT-301665 SR-2 PLATE TRANSFORMER PRI: 115V AC, 150 WATTS, 355 TURNS #22 P.E. WIRE, TAPPED AT 260, 299 & 366 TURNS. 4.1Ω DC RES FOR TOTAL PRI. SEC: 4600V AT 30 MA, 8000 TURNS #35 P.E. WIRE, CT, TO GROUND, 2300Ω DC RES. PRI INSULATED FOR 750V, SEC FOR 5000V. HER-1/24/45 S-19933 CRV:M-433819 MAY 45 REV 0		

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METICALLY SEATED. GROUNDED ELECTROSTATIC SHIELD.
 CKT-301665

CADF-301670 RBK-1,2,9,10,11
 TRANSFORMER POWER
 PRIMARY RATED 95 WATTS. PRIM: 117V, 50/60 CYCLES, 1 AMP., 275 TURNS #20 WIRE, 1.8 OHMS DC RES; 1500V RMS TEST. SEC. #1: CENTER TAPPED AND TO PROVIDE 270V DC AT 150 MA ACROSS THE OUTPUT OF A SINGLE SECTION; 1380 TURNS #29 WIRE, 95 OHMS DC 1/25/45 ST 10P17 CHL:52C032-13
 MAR. 45

CTH-301674 TDM-1
 AUDIO TRANSFORMER
 TURNS RATIO, PRI:SEC 3:1 PRI 10,000Ω IMPEDANCE, 8 MA. SEC. 90,000Ω IMPEDANCE.

1/25/45 T-57A36 CJF:ST-865-1
 FEB. 45

CKT-301666 SR-2
 POWER TRANSFORMER:
 PRI: 115V, 60 CPS, 23 VA, 0.2 AMPS, 600 TURNS #28 PE WIRE, 17.6 OHMS DC RES. SEC: 660V, 20 MA, 2950 TURNS #37 PE WIRE, CENTER TAPPED TO GROUND, 790 OHMS DC RES. ELECTROSTATIC SHIELD BETWEEN PRI & SEC. GROUNDED TO CASE. HERMETICALLY
 1/24/45 S-19932 CRV:M-433672-1
 MAY 45 REV 0

CADF-301670
 RES. 2500V RMS TEST. SEC. #2: 6.3V AT 4 AMPS, 16 TURNS #16 WIRE, 0.06 OHM DC RES. 2000V RMS TEST. SEC. #3: 5V AT 3 AMPS., 12 TURNS #17 WIRE, 0.06 OHM DC RES. 1500V RMS TEST. ELECTROSTATIC SHIELD BETWEEN PRIM. & SEC. #1.

CTH-301675 TDM-1
 POWER TRANSFORMER
 PRI: 110 VOLT AMPERES. SEC: 350-0-350 LOAD VOLTS AC, 145 MA DC SEC #1 5V, 3 AMPS; SEC #2 6.3V, 4.5 AMPS CT.

1/25/45 T-70RG2 CJF:ST-1161-1
 FEB. 45

SEALED.
 CKT-301666

CADF-301671 RBK-12,13,14 RE 13A 553B
 TRANSFORMER POWER
 PRIMARY RATED 95 WATTS. PRIM: 2 WINDINGS FOR 115/230/1/50/60 OPERATION. EACH SECTION 246 TURNS #23 PE WIRE, EACH 3.5 OHMS DC RES., 1500V RMS TEST. SEC #1: CENTER TAPPED TO PROVIDE 270V DC AT 150 MA. 1260 TURNS #29 PE WIRE, 90 OHMS DC 1/25/45 10P51 CHL:52C084-F
 MAR 45

CFX-301676 DAS-4
 POWER TRANSFORMER
 PRI: 105-130/1/50-60 347 TURNS #22 EN CU WIRE 3.33 OHMS DC RES. SEC #1: 600V, 80 MA C.T., 1890 TURNS #32 EN CU WIRE, 142 OHMS DC RES. SEC #2: 6.3V, 3 AMPS, 20 TURNS #17 EN CU WIRE, 0.1 OHM DC RES. SEC #3: 5V, 2 AMPS 16 TURNS #18 EN CU
 1/26/45 12580 CFE:40-203
 FEB. 45 ISS. 0

CADF-301667 RDO
 TRANSFORMER, POWER
 PRI: 110/115/120V, 60 CPS, 1.5 AMPS, 243 1/2 TURNS #19 E WIRE TAPPED AT 223 1/2 AND 233 1/2 TURNS 1.46 OHMS DC RES. SEC #1: 700V, 0.2 AMPS, 1500 TURNS #28 E WIRE CT. GRD. SEC #2/SEC #3: 5/6.3V, 3/10 AMPS, 11/13 1/2 TURNS OF #13/#12 E
 1/24/45 454-P8 C2C:9084
 FEB. 45 ISS 2

CADF-301671
 RES. 2500V RMS TEST. SEC. #2: 6.4V AT 4 AMPS, 15 TURNS #16 PE WIRE, 0.06 OHMS DC RES. 1500V RMS TEST. SEC #3: 5V AT 3 AMPS, 11 TURNS #16 PE WIRE, 0.05 OHMS, 2500V RMS TEST. HERMETICALLY SEALED. CAPABLE OF 48 HR. SALT WATER IMMERSION AT 80°F.

CFX-301676
 WIRE, 0.1 OHM DC RES.

CADF-301667
 WIRE 260 DC/GRD VOLTS TO GROUND. ELECTROSTATIC SHIELD BETWEEN PRIMARY AND SECONDARIES. SEC #1/#2/#3 HAS 90/0.037/0.032 OHMS DC RES.

CKT-301672 SR-2
 TRANSFORMER, POWER
 PRI: 115V AC, 1.0 AMP, 285 TURNS #20 E WIRE, 4.7Ω DC RES. SEC. #1: 765V, 0.07 AMP, 2000 TURNS #29 E WIRE, CT, 550V PEAK AC TO GROUND, 350Ω DC RES. SEC. #2: 5 VOLTS, 3.0 AMPS, 365V DC TO GROUND, 13 1/2 TURNS #16 E WIRE, CT, 0.17Ω DC
 1/25/45 CRV:M-438748
 FEB. 45 REV. 3

CCV-301677 TEB
 TRANSFORMER
 PRIM: 895 TURNS #28 EN WIRE, 230V, 60 VA. SECONDARY: 175 TURNS #23 EN WIRE, TAPPED AT 138, 150, 163 TURNS 42V, 42 VA TAPPED AT 33V, 36V, 39V. DC RESISTANCE: 35 OHMS ON PRIM, 2.5 OHMS ON SEC, 50/60 CPS. CASE 3 1/4" X 3 1/4" X 3 5/8" 20
 1/26/45 T-7789 CCV:A-9226
 FEB. 45

CRP-301668 VE
 OUTPUT TRANSFORMER
 PRIMARY IMPEDANCE 3600 OHMS, 0.01 KVA, 200V 0.053A, 70 MA DC, 3600 TURNS OF #32 EN. WIRE, 345 OHMS DC RES; SECONDARY IMPEDANCE 720 OHMS, 75V, 0.117A, 0 MA DC, 1920 TURNS OF #30 EN WIRE, 133.4 OHMS DC *SPEC UX-7489-A, DV92-640 SUB 11
 1/24/45 UX-7489A CRP:DL74-1167
 FEB. 45 SUB 0

CKT-301672
 RES. SEC. #3: 6.3V, 6.0 AMPS, 8.9V AC PEAK TO GROUND, 17 TURNS #14 E WIRE, 0.2 Ω DC RES. GROUNDED ELECTROSTATIC SHIELD BETWEEN PRI. AND SECONDARIES.

CCV-301677
 GAUGE C.R.S.

CRP-301663
 RES: TURNS RATIO PRI TO SEC, 15 TO 8;
 TEST VOLTAGE FOR PRI AND SEC 1780 RMS.

-301673 RBK-3,4,5,6,7,8
 TRANSFORMER POWER
 PRIMARY RATED 95 WATTS. PRIM: 2 WINDINGS FOR 110/230/1/50/60 OPERATION. EACH SECTION 248 TURNS #23 WIRE, 3.45 OHMS DC RES., 1500 RMS TEST. SEC. #1: CENTER-TAPPED TO PROVIDE 270V DC AT 150 MA., 1300 TURNS #29 WIRE., 92 OHMS DC RES., 1/25/45 CTG:9J243 CHL:52C058-0
 MAR. 45 CADF:10P44

CCV-301678 TEB
 TRANSFORMER, FILAMENT
 PRIM. 630 TURNS #25 EN WIRE, 215V, 140 VA, 12 OHMS DC RES. SECONDARY: 16 TURNS SE WIRE 5V CENTER TAPPED AT 2.5 VOLTS, 100 VA, 20 AMPS, 0.0985 OHMS DC RES. FREQUENCY-50/60 CYCLES. INSULATION 2.5 KV. CASE 3 15/16" X 3 15/16" X 5 3/16".
 1/27/45 T-7029 CCV:A-7180-A
 FEB. 45

CKT-301669 SR-2
 REACTOR
 RATED AT 20 HENRIES, 0.14 AMPS, 3300 TURNS #30 E WIRE, 150Ω DC RES, RIPPLE FREQ 120 CPS. HERMETICALLY SEALED.

CADF-301673
 2500 RMS TEST. SEC. #2: 6.3V AT 4A., 15 TURNS #16 WIRE, 0.07 OHM DC RES., 2000 RMS TEST. SEC. #3: 5V AT 3 A. 12 TURNS #17 WIRE, 0.07 OHMS, 1500 RMS TEST. INCLUDES TOGGLE SWITCH FOR SETTING OPERATION ON 110 OR 230V.

CCV-301679 TEB
 TRANSFORMER FILAMENT
 PRIM: 406 TURNS #22 EN WIRE, 215V, 210 VA, 5 OHMS DC RES. SECONDARY: 10 TURNS 2#10 SQUARE DCC WIRE, CENTER TAPPED, 5.0 VOLTS 30 AMP 150 VA, 0.004 OHMS APPROX. DC RES. FREQUENCY-50/60 CYCLES. INSULATION PRIM, 2.5 KV SEC 15.0 KV CASE
 1/27/45 T-7030 CCV:A-9060
 FEB. 45

1/25/45 20258 CRV:M-433201
 MAY 45

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DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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Class 30—Transformers and Reactors

3.30-93

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CCV-301679
6 5/8" X 5 5/8" X 6 7/8" 20 GAUGE CRS.

CCV-301685 TEB
TRANSFORMER FILAMENT
PRIMARY: 1250 TURNS #30 EN WIRE, 215 V., 35 VA. 60 OHMS DC RES. SECONDARY: 16 TURNS #12 S.C.E. WIRE CENTER TAPPED 2.5/1.25V. 10 AMPS., 25 VA. 0.02 OHMS DC RES. 50/60 CPS. INSULATION PRIM. 2.5KV SEC 4.0 KV CASE - 3 3/4" X 4 1/4" X 1/27/45 T-7025 CCV:A-7172 FEB. 45

CCV-301690 TEB
TRANSFORMER, FILAMENT
HIGH REACTANCE. PRIMARY: CONSISTS OF 70 TURNS OF 0.088 X 0.145 DCC WIRE WOUND IN TWO SECTIONS OF 35 TURNS EACH. 215V., 1.95 AMPS AT NO LOAD 0.09848 OHMS DC RES SECONDARY: 12 TURNS 0.059 DCC WIRE CENTERTAPPED AT 6 TURNS. 11V AT 125A; 1/27/45 T-5343 CCV:A-9169 FEB. 45

CCV-301680 TEB
TRANSFORMER
PRIM: 147 TURNS #11 SE WIRE, 230 VOLTS, 0.5 AMPS. NO LOAD, 6.67 AMPS. FULL LOAD. 0.2539 OHMS DC RES. TWO SECONDARIES. EACH RATED 750V 500 TURNS EA. #18 SCE WIRE 1.094 AMPS FULL LOAD, 5.249 OHMS DC RES. 50/60 CPS. INSULATION PRIM. TEST 1/27/45 T-5339 CCV:A-9177 FEB. 45

3 3/4" 20 GAUGE C.R.S.

CCV-301685

CCV-301690
OV. AT 180 AMPS. 0.00974 OHMS DC RES. TEST INSULATION 2500V. CASE 9 1/8" X 9 3/4" X 12 3/16" L.

CCV-301680
2500V TO CORE, SEC. 7500V.

CCV-301686 TEB
TRANSFORMER, PLATE
PRIM: 430 TURNS #20 EN WIRE, 230V. 206VA 3.5 OHMS DC. RES. SECONDARY: 2260 TURNS #28 EN WIRE CENTER TAPPED, 1160V., 200 MA DC CT. 145 OHMS DC RES. 50/60 CPS. INSULATION 2.5 KV. CASE - 4 3/4" X 4 7/8" X 6 3/4" 20 GAUGE C.R.S. 1/27/45 T-7035 CCV:A-7194-A FEB. 45

CAY-301691 TEB
TRANSFORMER CURRENT
FOR USE ON A 2300 V. 300 AMP LINE, 25/60 CYCLES. THREE TYPE NO PRIMARY WINDING. SECONDARY RATED 5 AMPS, 0.044 OHMS DC RESISTANCE. COIL INSULATED FROM HIGH VOLTAGE BUS BAR BY MICARTA TUBE 2 1/8" INSIDE DIAM. TRANSFORMER BRACKET 1/27/45 S7125078 CAY:219996 REV 9

CCV-301681 TEB
TRANSFORMER, FILAMENT
PRIM: 1225 TURNS #30 EN WIRE, 215V, 28 VA. SECONDARY: 16 TURNS #14 SCE WIRE CENTERTAPPED, 2.5V. 8 AMPS, FREQUENCY -50/60 CPS. CASE -3 1/2" X 3 3/8" X 3 1/2" 20 GAUGE C.R.S.

CCV-301687 TEB
TRANSFORMER, PLATE
PRIMARY: 415 TURNS #17 S.C.E. WIRE. 230V 565 VA. 2.0 OHMS DC RES. SECONDARY: 1520 TURNS #21 EN CT., 800V. 1 AMP. DC. 25.0 OHMS DC RES. 50/60 CPS. 2.5 KV INSULATION CASE - 5 5/8" X 5 13/16" X 7 7/16" 20 GAUGE CRS. STUD CONNECTIONS EXTEND 1/27/45 T-7034 CCV:A-9094 FEB. 45

CAY-301691
MOUNTED BY THE CAST IRON END CAPS. NO CASE.

1/27/45 T-7026 CCV:A-7156-A
FEB. 45

CCV-301687
1 1/2" AT TOP. TWO 3/4" X 5 3/4" LONG BRACKETS ON EDGE AT BOTTOM.

CRP-301692 90-7H. 7H
REACTOR
8 HENRIES MIN. AT 3VRMS. 60 CYCLES, 60 MA. 300 1/2 TURNS OF #34 EN WIRE, 278 OHMS DC RESISTANCE. TEST VOLTAGE 1200 RMS 26 GAUGE ALLEGHANY GAUGE A. CORE.

CCV-301682 TEB
TRANSFORMER FILAMENT
PRIM: 825 TURNS #24 EN WIRE, 215V. 139 VA. 12.0 OHMS DC RES. SECONDARY: #1-46 TURNS 2 # 20 EN WIRE CT; SEC #2-46 TURNS 2 #20 EN WIRE, 11/5.5V., 3.0 AMPS. .17 OHMS DC RES. 50/60 CPS. INSULATION 2.5 KV. CASE 4 5/16" X 5 7/16" X 4 1/2" 20 1/27/45 T-7028 CCV:A-7164-A FEB. 45

CCV-301687
1/27/45 T-7034 CCV:A-9094
FEB. 45

2/10/45 UX-7818 DL-74-870
FEB. 45 REV 1

CCV-301682
GAUGE C.R.S.

CCV-301688 TEB
TRANSFORMER, FILAMENT
PRI: 313 TURNS #26 EN WIRE, 215V., 65 VA SECONDARY: 8 TURNS 0.059 X 0.175 D.C.C. CENTERTAPPED 5/2.5V., 50 VA. 50/60 CPS. INDUCTANCE - PRIM. 2.5 KV, SEC. 15 KV. CASE - 6 9/16" X 5 9/16" X 6 7/8".

CRP-301693 SU SU-1
PLATE TRANSFORMER
PRIMARY RATED APPROX. 12VA, 115/1/60 OR 400-, 832 1/2 TURNS OF #30 EN WIRE, 35.2 OHMS DC RES; SEC #1/#2, 770V/2.5V AT 0.0025A/3A, 6000 1/2/19 1/2 TURNS OF #40 EN/17EN WIRE, 3300/0.0605Ω DC RES; ELEC-TROSTATIC SHIELD; TEST VOLTAGE 1780V, 1/27/45 UX-8942B CBN:1000A-79 FEB. 45 ALT 0

CCV-301683 TEB
TRANSFORMER FILAMENT
PRIM: 975 TURNS #28 EN WIRE, 215V, 71 VA 30 OHMS DC RES. SECONDARY: 59 TURNS #16 SCE WIRE, CENTERTAPPED, 11.5/5.75V. 4.34 AMP. 50 VA. .15 OHMS, DC RES. 50/60 CPS. 2.5 KV INSULATION. CASE 3 7/16" X 3 9/16" X 4 7/16" 20 GAUGE C.R.S. 1/27/45 T-7027 CCV:A:7754-A FEB. 45

1/27/45 T-5342 CCV:A-9098
FEB. 45

CRP-301694 SU
POWER TRANSFORMER
PRIMARY RATED 88 KVA, 115V/1/60, TAPPED AT 78V, 24 KVA, 0.76 AMPS, CONSISTS OF 256 TURNS OF #24 E WIRE, 3.34-3.4Ω DC RES AND 122 TURNS OF #22 E WIRE, 1.12-1.13Ω DC RES; SEC #1/#2 RATED 225V/8.3V AT 180 HILLIAMS/2.5A, 750/22 TURNS OF 1/27/45 U-7420 CBN:986-4 FEB. 45 SUB 0

CCV-301684 TEB
TRANSFORMER PLATE
PRIMARY: 640 TURNS #25EN WIRE FROM 220 TO 240V; 65 VA, 15.0 OHMS DC RES. SECONDARY: 1780 TURNS #29 EN WIRE C.T., 600V., 150 MA DC, 105 OHMS DC RES. 50/60 CPS. 2.5 KV INSULATION. CASE - 3 13/16" X 3 15/16" X 8 1/8" 20 GAUGE C.R.S. 1/27/45 T-7033 CCV:A-7187-A FEB. 45

GAUGE C.R.S.

CCV-301689

CRP-301694
#28 E/16 E WIRE, 33.0-33.1Ω/0.063-0.067 OHMS DC RES; ELECTROSTATIC SHIELD; HER-METICALLY SEALED.

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NAVSHIPS 900,109

3.30-94

Class 30—Transformers and Reactors

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CRP-301695 SU-SU-1
GRID PLATE TRANSFORMER
PRIMARY RATED 250VA APPROX. 115/1/60,
378 1/2 TURNS OF #21E WIRE, 2.73Ω DC
RES; SEC #1/#2: 150V/150V AT 0.94A/0.94A,
625 1/2/525 1/2 TURNS OF #22E/#22E WIRE,
6.22Ω/7.55Ω DC RES; ELECTROSTATIC SHIELD

1/29/45 U-7450 CBN:1000A-126
FEB. 45 ALT 1

CFX-301696 HK 8 MOD 4
TRANSFORMER, FEED-BACK
PRIMARY CONSISTS OF 113 TURNS OF #29 EN
WIRE, RESISTANCE D-C 4 OHMS, MAX. SEC-
ONDARY CONSISTS OF 1130 TURNS OF #41 EN
WIRE, INDUCTANCE 230 HENRIES, 20V 60 CPS,
4.5 MA DC TEST VOLTAGE 500V.

1/30/45 12426 CAY:4-C-1884
FEB. 45 CHANGE 1

CAY-301697 HK 8 MOD 4
TRANSFORMER
PRIMARY CONSISTS OF 258 TURNS #28E WIRE,
7.29Ω DC RES, SECONDARY CONSISTS OF 5300
TURNS #38E WIRE 920Ω DC, PRIMARY INDUC-
TANCE 10 HENRIES MIN. OUTPUT IMPEDANCE,
0.5 MEGOHMS, 1500V RMS TEST, VOLTAGE
RATIO OF PRI. TO SEC. IS 1:20 AT 240 CPS
1/30/45 #1282/50 4-C-1720
FEB. 45 CHANGE 1

CAY-301698 HK 8 MOD 4
TRANSFORMER OUTPUT
PRIMARY CONSISTS 2500 TURNS #34 E WIRE
WITH CENTER TAP 385 OHMS DC RESISTANCE,
12 HENRIES INDUCTANCE MIN. SECONDARY
CONSISTS OF 340 TURNS OF #24 WIRE, 4
OHMS DC, INPUT IMPEDANCE 100,000 OHMS,
OUTPUT IMPEDANCE 100 OHMS.
1/30/45 1282751A 4-C-1721
FEB. 45 CHANGE 2

CAY-301699 HK 8 MOD 4
TRANSFORMER POWER
RATED 210VA 240 CYCLES. PRIMARY CONSISTS
OF 160 TURNS #16 E WIRE, .52 OHMS DC RES
110V, CENTER TAPPED, SEC 1/2/3 CONSISTS
OF 1630/9.5/7.5 TURNS OF #26E/#14E/
#16E WIRE OF 42V, 0.29V, 0.31 OHMS DC RES.
1120V, CT/6.3V, 5 AMPS/5V, 3 AMPS
1/30/45 1282752 9-B-6509
FEB. 45 CHANGE 1

RESPECTIVELY. CAY-301699

-301700 HK 8 MOD 4 RE13A553
TRANSFORMER OUTPUT
PRIMARY CONSISTS OF 2800 TURNS OF #36 EN
WIRE SEC. #1 CONSISTS OF 8400 TURNS OF
#40 EN WIRE CT, SEC #2 CONSISTS 8400
TURNS OF #40 EN WIRE CT, 2700V 60 CYCLES
TEST, PRIMARY 10 MA.
INPUT IMPEDANCE 8000 OHMS OUTPUT IMPE-
1/30/45 CAY:2-C-8433
FEB. 45 CHANGE 2

DANCE .8 MEGOHM. -301700

-301701 HK 8 MOD 4
TRANSFORMER OUTPUT
PRIMARY RATED 55V MAX. 25 MA, SINGLE
PHASE, 60 CYCLE CONSISTS OF 1600 TURNS
#36 EN WIRE, SEC CONSISTS 3200 TURNS OF
#36 EN WIRE, 1600V TEST, INPUT IMPEDANCE
1500 OHMS OUTPUT IMPEDANCE 10000 OHMS.

1/30/45 CAY:2-C-8432
FEB. 45 CHANGE 2

-301702 SU SU-1 RE13A553
TRANSFORMER POWER
PRIMARY 307 TURNS #22 EN WIRE, RATED
115V 60 CYCLES, SEC #1 HIGH VOLTAGE,
700V, 120 MA, CONSISTS OF 2090 TURNS OF
#31 EN WIRE CT, SEC #2, 5V, 3A, CONSISTS
OF 14 1/2 TURNS OF #18 EN WIRE SEC #3,
6.3V, 4 AMP CONSISTS OF 18 TURNS #16 EN
1/30/45 CAY:4-C-2014
FEB. 45 CHANGE 1

WIRE CT. 2700V RMS TEST. -301702

CG-301703 SU SU-1
PLATE AND FILAMENT
TRANSFORMER: PRIMARY RATED 0.155 KVA,
115/1/60, 1.6A, 173 TURNS OF 0.0453 E
WIRE, 0.757Ω DC RES, 1500 RMS VOLTS TO
GRD; SEC #1/#2/#3/#4/#5: 26.3V/1050V/
2.5V/2.5V/6.3V AT 4.5A/10 MA DC/2.5A/
2.5A/3A.41/1635/4/4/10 TURNS OF 0.095 X
1/30/45 80G125 CBN:1000A-123
FEB. 45 ALT 0

CG-301703
0.055 DC/0.004E/0.054E/0.054E/0.054E
WIRE, 0.075Ω/1140Ω/0.0286Ω/0.0286Ω/
0.0549Ω DC RES (SEC #2 TAPPED AT 625V-5
MA DC, 973 TURNS OF 0.004E WIRE, 678Ω
DC RES, 3800 RMS V TO GRD); 2500/3800/
3800/3800/2500 RMS VOLTS TO GROUND.

CRP-301704 SU, SU-1
SMOOTHING CHOKE
INDUCTANCE 50 HENRIES, 0.04 AMPS, 6500
TURNS OF #34 E WIRE, 1000Ω DC RES.

1/31/45 U-7402 CBN:972-128
FEB. 45 ALT 0

CRP-301705 SU, SU-1
GRID PLATE TRANSFORMER
PRIMARY 115V/1/60, 53VA APPROX 301 TURNS
#24 E WIRE, 5.25Ω DC RES; SEC #1/#2/#3/
#4/#5: 110V/110V/16.3V/2.5/2.5V AT
0.010A/0.010A/2.5A/7.0A/7.0A, 310/310/
13/7CT/7CT TURNS OF 32E/32E/17E/2X16E/
2X16E WIRE, 37.1/37Ω/37Ω/0.081Ω/0.015Ω/
2/1/45 U-7440A CBN:1000A-125
MAR. 45 ALT 1

CRP301705
0.015Ω DC RES; ELECTROSTATIC SHIELD.

CG-301706 SU, SU-1
INTERSTAGE PULSE TRANSFORMER
PRIMARY 1000V, CONSISTS OF 2 COILS IN
PARALLEL, 140 TURNS EACH OF 0.005F WIRE,
6.2Ω DC RES, 2500 R.M.S. VOLTS TO GRD;
SEC #1/SEC #2, 1000V/500V, 140/70 TURNS
OF 0.005F/0.010F WIRE, 11.5Ω/1.4Ω DC
RES; 2500/2500 RMS VOLTS TO GROUND.
2/1/45 80 G5 CBN:1000A-31
MAR. 45 ALT 0

CG-301707 SU, SU-1
INTERSTAGE PULSE TRANSFORMER
PRIMARY 400V, CONSISTS OF 2 COILS IN SE-
RIES 140 TURNS EACH 0.005F WIRE, 24.5Ω
DC RES, 2500 RMS VOLTS TO GROUND; SECCO-
NDARY 400 VOLTS, CONSISTS OF 2 COILS IN
SERIES 140 TURNS EACH OF 0.005F WIRE,
23.0Ω DC RES; 2500 RMS VOLTS TO GROUND.
2/1/45 CBN:1000A-30
MAR. 45 80G10 ALT 0

CG-301708 SU, SU-1
FILAMENT TRANSFORMER
PRIMARY 115/1/60, 0.0615 KVA 0.7 AMPS,
384 TURNS OF 0.0295E, 2.72Ω DC RES, 1500
RMS VOLTS TO GROUND; SEC #1 RATED 2.5V
2.5A, 9 TURNS OF 0.0508E WIRE, 0.052Ω DC
RES, 23600 RMS VOLTS TO GRD; SEC #2
(TERMINALS 5-7) RATED 7 VOLTS 7 AMPS;
2/1/45 80G31 CBN:1000A-27
MAR. 45 ALT 0

CG-301708
TERMINALS 5-6 RATED 2.5V, 2.5A, 9 TURNS
OF 0.160X0.055DC WIRE, 0.0132 DC RES,
23,600 RMS VOLTS TO GRD; TERMINALS 6-7
RATED 4.5V, 4.5A, 16 TURNS OF 0.085 X
0.070DC WIRE, 0.0317Ω DC RES, 23,600 RMS
VOLTS TO GROUND.

CRP-301709 SU, SU-1
PLATE TRANSFORMER
PRIMARY RATED 120V/1/60, 2.4VA APPROX.,
1600 TURNS #37 E WIRE, 300Ω DC RES; SEC
#1/#2: 120V/120V AT 0.01A/0.01A, 1730CT/
1730CT TURNS OF #39E/#39E WIRE, 635Ω/
715Ω DC RES; TEST VOLTAGE 1275 RMS;
ELECTROSTATIC SHIELD, HERMETICALLY SEALED
1/30/45 U595A CBN:1000A-18
MAR. 45 ALT 1

CRP-301710 SU, SU-1
FILAMENT TRANSFORMER
PRIMARY RATED 115/1/60, 42.1VA, 774
TURNS OF # 27E WIRE, 14.70 OHMS DC RES;
SEC #1/#2: 6.3V/6.3V AT 5.1A/1.2A,
48 1/2/48 TURNS OF 2X16E/2X23E WIRE,
0.084Ω/0.24Ω DC RES; TEST VOLTAGE 1780
*CRP:DV92-F44-1 SUB 6
1/30/45 UX7463A CBN:1000A-80
MAR. 45 ALT 0

CRP-301710
VOLTS R.M.S.; ELECTROSTATIC SHIELD.
HERMETICALLY SEALED.

CAT-301711 AN/UPM-1
FILTER CHOKE
RATED 15 HENRIES, 0.15 AMP, 220 ±15%
OHMS.

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
								1/30/45	32584	CHZ:TR-1054
								MAR. 45		REV. 0

Class 30—Transformers and Reactors

3.30-95

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CAT-301712 AN/UPM-1
POWER TRANSFORMER
PRI. CONSISTS OF 2 WINDINGS, EACH CT. WHICH MAY BE CONNECTED TO GIVE 80V, 115V OR 230V. ACROSS PRI; 50/1000~. SEC(10-11): 2.5V, 1.75 AMPS. SEC(12-13): 5.0V, 3.0 AMP. SEC(18-19) 6.3V, 0.8 AMP. SEC (16-17): 6.3V, 0.6 AMP. SEC(14-15): 1/30/45 32583 CHZ:TR-1056 MAR. 45 REV 0

CAT-301712
6.3V, 1.0 AMP. SEC(7-10): 1300V, TAPPED AT 380-380-540 VOLTS, TERM. 8 GROUNDED. HERMETICALLY SEALED. GROUNDED ELECTROSTATIC SHIELD BETWEEN PRI. AND SECONDARIES.

CRP-301713 SU
INPUT TRANSFORMER
PRIMARY IMPEDANCE 1000 OHMS, 5V, 540 TURNS OF #35E WIRE, 80.5Ω MAX DC RES; SEC #1/#2: IMPEDANCE IS 250.000 OHMS APPROX 75V/75V, 8100/8100 TURNS OF #40E/ #40E WIRE, 4370Ω/5175Ω DC RES; TURNS RATIO PRI: SEC#1 IS 1:15, PRIM: SEC #2 1/30/45 U-7408B CBM:986-1 MAR. 45 ALT 2

CRP-301713 IS 1:15.

CG-301714 GEN RADIO USE RE13A874A
VOLTAGE STABILIZING
TRANSFORMER: PRIMARY: 95 TO 130 VOLTS, 1 PHASE, 57 TO 63 CYCLES. SECONDARY: 112, 115 OR 118 VOLTS. OUTPUT VOLTAGE VARIATION ±4% AT 0.500 KVA. SIMILAR TO -301523 EXCEPT IS FREQUENCY COMPENSATED AND DIFFERS MECHANICALLY.
1/30/45 69G510 CG:K-5808590PP MAR. 45 REV 1

CG-301715 GEN RADIO USE RE13A874A
VOLTAGE STABILIZING
TRANSFORMER: PRIMARY: 95 TO 130/130 TO 250/360 TO 500 VOLTS, 1 PHASE, 57 TO 63 CYCLES. SECONDARY: 112, 115 OR 118 VOLTS OUTPUT VOLTAGE VARIATION ±4% AT 0.500 KVA. SIMILAR TO -301524 EXCEPT IS FREQUENCY COMPENSATED AND DIFFERS MECHANICALLY.
1/30/45 69G506 CG:K-5808590 PF MAR. 45 REV 1

CG-301715 MECHANICALLY.

CG-301716 GEN RADIO USE RE13A874A
VOLTAGE STABILIZING
TRANSFORMER: PRIMARY: 95 TO 130 VOLTS, 1 PHASE, 57 TO 63 CYCLES. SECONDARY: 112, 115 OR 118 VOLTS. OUTPUT VOLTAGE VARIATIONS ±4% AT 3.0 KVA. SIMILAR TO -301525 EXCEPT IS FREQUENCY COMPENSATED AND DIFFERS MECHANICALLY.
1/30/45 69G512 CG:K-5808590 PU MAR. 45 REV 0

CG-301717 GEN RADIO USE RE13A874A
VOLTAGE STABILIZING
TRANSFORMER: PRIMARY: 95 TO 130/180 TO 250/360 TO 500 VOLTS, 1 PHASE, 57 TO 63 CYCLES. SECONDARY: 112, 115 OR 118 VOLTS. OUTPUT VOLTAGE VARIATION ±4% AT 3.0 KVA. SIMILAR TO -301527 EXCEPT IS FREQUENCY COMPENSATED AND DIFFERS
1/30/45 69G508 CG:K-5808590 PK MAR. 45 REV 0

CG-301717 MECHANICALLY.

CRP-301718 SU, SU-1
FILTER CHOKE DOUBLE:
0.55 AMPS, 1500 TURNS. CENTER TAPPED, OF #21E WIRE, EACH SECTION 2.2 HENRIES MINIMUM INDUCTANCE, 16Ω MAX DC RES; TEST VOLTAGE 2500 RMS VOLTS TO GRD. HERMETICALLY SEALED IN METAL CAN.
2/1/45 U-8376B CBM:972-127 MAR. 45 ALT 0

CG-301719 SU, SU-1
SPECIAL STEPDOWN PULSE
TRANSFORMER: PRI. RATED 15KV, 76 TURNS OF 0.0201 DE-1 WIRE 2" WIDE, 0.416Ω DC RES; SEC. RATED 4.1KV AT 336KW, 21 TURNS OF 0.0253 DE-1 WIRE 3" WIDE, 0.0534Ω DC RES; TRIGGER WINDING 196 VOLTS, 1 TURN OF 0.0253 DE-1 WIRE, 0.0251Ω DC RES;
2/1/45 K-2460B CCBM:1000A-32 MAR. 45 ALT 2

CG-301719 TURNS RATIO OF 3.60:1; PULSED BY 1 CI-CROSECOND WITH REPETITION RATE OF 600 PER SECOND; FOR OPERATION FROM 650Ω TO 50Ω.

CRP-301720 SU
OUTPUT TRANSFORMER
PRIMARY IMPEDANCE 8000 OHMS AT 300 VOLTS 60 CYCLES WITH 80 MILLIAMPS, 3220 TURNS CT OF #33E WIRE SIZE, 334Ω DC RES; SEC IMPEDANCE 40Ω AT 500 MILLIAMPS DC, 228 TURNS OF #25E WIRE, 4.55Ω DC RES; TURNS RATIO PRI: SEC IS 14.1:1; HERMETICALLY
2/1/45 U-8652 CBM:986-2 MAR. 45 ALT 0

CRP-301720 SEALED; TEST VOLTAGE 1780 RMS.

CRP-301721 NMC-1
FILAMENT TRANSFORMER
PRIMARY RATED RATED 120/1/60, 149VA, 182 TURNS OF #19E WIRE, 1.5 OHMS DC RES, 1780 RMS VOLTS TO GRD. SEC: 1/2; 10V/10V AT 13A/2.5A, 16/12 TURNS OF #19CE/16E WIRE, CT/CT, 0.017/0.065 OHMS DC RES.
2/3/45 U-5739 CBM:1000A-133 MAR. 45 ALT 1

CRP-301722 NMC-1
POWER TRANSFORMER
PRIMARY RATED 115V/1/60, 17.5 WATTS, 822 TURNS OF #29E WIRE, 29.5 OHMS DC RES. SEC: 6V AT 2.5A, 48 TURNS OF #18 E WIRE, 0.185 OHMS DC RES.

2/3/45 U-5829 CBM:1000A-47 MAR. 45 CBM:111-67 ALT 1

CRP-301723 NMC-1
PLATE FILAMENT TRANSFORMER
PRIMARY RATED 115V/1/60, 40 WATTS, 343 TURNS OF #22E WIRE, 3.25 OHMS DC RES, 1740 RMS VOLTS TO GRD. SEC: 1/2; 215/5 VOLTS, 0.03/6.0 AMPS, 690/16 TURNS OF #25E/12E WIRE: CT/CT, 16.5/0.02 OHMS DC RES. CORE GROUNDED HERMETICALLY SEALED.
2/3/45 U-8383 CBM:1000A-138 MAR. 45 ALT 0

CRP-301724 NMC-1
FILTER CHOKE
RATED 0.15 AMPS, 5 HENRIES MIN INDUCTANCE AT 1730 VOLTS RMS. CONSISTS OF 2100 TURNS OF #25E WIRE WITH 105 OHMS DC RES MAX. HERMETICALLY SEALED IN METAL CAN.
2/3/45 CRP:U-8332 CBM:1000A-134 MAR. 45 CBM:1938-191 ALT 0

CG-301725 SU SU-1
PLATE TRANSFORMER:
PRIMARY 115V/1/60, 0.155 KVA, 1.62 A, 330 TURNS OF 0.042 E WIRE, 1.33Ω DC RES., 1500 RMS VOLTS TO GROUND; 6350 VOLTS, 0.025 AMPS, 19,550 TURNS OF 0.005 E WIRE 12,500Ω MAX DC RES, 25,000 RMS VOLTS TO GROUND.
2/1/45 80G23 CBM:1000A-29 MAR. 45 ALT 1

CRP-301726 SF SF-1
SMOOTHING CHOKE:
INDUCTANCE 1.5 HENRIES, 0.4 AMPS, 1000 TURNS OF #24 E WIRE, 13Ω DC RESISTANCE. TEST VOLTAGE 1780 RMS.
2/5/45 UX7502A CBM:DL74-1276 MAR. 45 SUB 0

CRP-301727 SF SF-1
TRANSFORMER:
PRIMARY RATED 115V/1/400, APPROX. 0.25 AMPS, 335 TURNS OF #24 EN WIRE, 4.6Ω TO 4.736Ω DC RES; SEC #1/#2 RATED 2.5V/6.3V AT 2.5A/2.5A, 9/23 TURNS OF 16 SCE/16 SCE WIRE, 0.023 TO 0.020/0.061 TO 0.046 Ω DC RES; TEST VOLTAGE 4275 VOLTS RMS.
2/5/45 UX7015B CBM:1000A-109 MAR. 45 ALT 0

CRP-301727 PRIMARY TEST VOLTAGE 1780V, CORE DOUBLE GROUNDED.

CG-301728 08V
CHOKE:
RATED 8 HENRIES, 115 OHMS DC RES., 0.06 AMPS RATED CURRENT, 0.2 AMP. MAX CURRENT.
2/5/45 21993-A CC:0-22000-X MAR. 45 CALG:A73

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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RESTRICTED

NAVSHIPS 900,109

3.30-96

Class 30—Transformers and Reactors

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CRP-301729 SF SF-1			CADF-301734 REE		RE 13A 553 & ADD. 2	CRP-301739 SO-7M/7N		
SMOOTHING CHOKE: INDUCTANCE 10 HENRIES AT 6 VOLTS 60 CYCLES AC WITH 0.015 AMPS DC, 4550 TURNS OF #37 EN WIRE, 850Ω DC RES. HERMETICALLY SEALED.			FILTER REACTOR: RATED 4.5 HENRIES ±10% AT 3 VOLTS, 60 CPS WITH 150 MA DC. CONSISTS OF 2060 TURNS #28 E WIRE, 70 OHMS ±10% DC RESISTANCE. TEST VOLTAGE 1500 RMS.			REACTOR: 20 HENRIES AT 6V, 120 CYCLES, 110 MA, 4350 TURNS OF #30 E WIRE 300 OHMS DC RES. ALLEGHANY TRANS. GRADE C GAUGE CORE. HERMETICALLY SEALED.		
2/5/45 UX-7043A CBM:1000A-82 MAR. 45 ALT 0			2/6/45 454C11 CZC:5209 MAR. 45 ISS. 1			#CRP:DV92-761G1 REV 2 SPEC 92-761G1 REV 2 2/10/45 UX-9121 #SEE ABOVE MAR. 45		
CRP-301730 SF SF-1			CADF-301735 REE		RE 13A 553 & ADD. 2	CRV-301740 QGB		
PLATE TRANSFORMER: PRIMARY RATED 115V/1/400, 138VA, 1.2 AMPS APPROX., 194 TURNS OF #17 EN WIRE TAPPED AT 165 AND 177 TURNS, 0.55Ω DC RES, TEST VOLTAGE 1780 RMS, SECONDARY RATED 4880 VOLTS, 0.09 AMPS, 1110Ω DC RES, SECONDARY CONSISTS OF 3 WINDINGS			OUTPUT TRANSFORMER: PRI: 4400Ω AT 1000 CPS 80 MA CT 2380 TURNS #34 WIRE, CT AT 1190 TURNS, 3800 ±15% DC RESISTANCE. SEC: #1/#2/#3: 200/300/600Ω AT 1000/1000/1000 CPS 380/80/195 TURNS OF #27/#27/#27 E WIRE, 9.5/2.5/4.5Ω DC RESISTANCE. SEC #1, #2 & #3			TRANSFORMER-OSCILLATOR: PRIMARY INDUCTANCE 1.24 HENRIES AT 1 VOLT 1000 CYCLES, 1250 TURNS CT OF #32 WIRE 57 OHMS DC RES. SECONDARY 500 TURNS CT OF #31 WIRE, 24 OHMS DC RES, TURNS RATIO OF PRIM TO SEC. IS 2.5:1, IMPREGNATED AND SEALED IN CAN.		
2/5/45 UX-70100 CRP:DU-74848 MAR. 45 SUB 4			2/6/45 454A11 CZC:5214 MAR. 45 ISS. 3			2/10/45 901678 CRV:K-901678G501 MAR. 45 REV 1		
CRP-301730			CADF-301735			CRP-301741 NJ-3, NJ-9		
CONNECTED IN SERIES, EACH 2615 TURNS OF #32 EN WIRE, TEST VOLTAGE 14,000 RMS; ELECTROSTATIC SHIELD DOUBLE GROUNDED.			IN SERIES WITH TOTAL RESISTANCE OF 16.5Ω SEC #4: 4Ω AT 1000 CPS 53 TURNS #22 E WIRE 0.59Ω DC RESISTANCE. SEC. #5: 60Ω AT 1000 CPS 206 TURNS OF #30 E WIRE; CT AT 103 TURNS 12.55Ω DC RESISTANCE. TEST VOLTAGE 1500 RMS.			RE 13A 553A TRANSFORMER, POWER: PRIMARY RATED 310 WATTS, PRIMARY: 440-220/1/60, ONE SECTION 515 TURNS OF 19 E WIRE, 3 OHMS DC RESISTANCE, & SECOND SECTION 515 TURNS OF 22 E WIRE 7 OHMS DC RES. SECONDARY 115V, 2.62 AMPS 285 TURNS OF 17 E WIRE 1.5 OHMS DC RES.		
						2/5/45 U-5746 CRP:DU-74-555 MAR. 45 SUB. 6		
CRP-301731 SF SF-1			CRP-301736 SF-1			CRP-301742 NJ-4		
FILAMENT TRANSFORMER: PRIMARY RATED 115V/1/400, 0.6 AMPS APPROX: 62VA, 453 TURNS OF #24 EN WIRE, 5.70Ω MAX DC RES; SECONDARY RATED 25.5 VOLTS 2.2 AMPS, 112 TURNS OF #18 EN WIRE, 0.26 Ω DC RES; ELECTROSTATIC SHIELDED DOUBLE GROUNDED; TEST VOLTAGE 1780 RMS.			POWER TRANSFORMER: INPUT 115V/1/400, 1730VT, S1-108V CT, 255V 0.32A 1780VT, S2- 6.3V 14A 1780 VT, S3- 2.5V (TAPPED) 7.5A 1780 VT, S4- 5.0V 6A 1780 VT, S5- 6.3V 1A 1780 VT, S6- 5.0V 3A 1780 VT. THIS TRANSFORMER CONSISTS OF CRP TYPES UX-7047C AND UX-7046D COM-			TRANSFORMER, PLATE & FIL: PRIMARY RATED 50 WATTS, TEST VOLTAGE 1780 RMS, 115V/1/60, 425 TURNS OF 26 E WIRE 995 OHMS DC RES. SEC #1 #2 #3 750V/6.3V/5V; 033 AMPS/2 AMPS/1 AMP; 2800/1400 TURNS OF 35 E WIRE 690 OHMS DC RES/26/13 TURNS OF 2X21 E WIRE, 0.155 OHMS		
2/5/45 UX-7825 CBM:1000A-85 MAR. 45 ALT 0			2/6/45 MX-3525B CRP:DL74-952 MAR. 45 SUB 1			2/5/45 U-2992A CRP:DL74-609 MAR. 45 SUB 3		
CRP-301732 SF SF-1			CRP-301736			CRP-301742		
FILAMENT TRANSFORMER: PRIMARY RATED 115V/1/400, 12.6VA, 0.11 AMPS, CONSISTS OF TWO WINDING CONNECTED IN SERIES, EACH 384 TURNS OF #26 E WIRE WITH 4.45Ω DC RES; SEC #1/#2 RATED 2.5/2.5V AT 2.5/2.5 AMPS, 18/18 TURNS OF 16 SCE WIRE/16 SCE WIRE 0.042/0.042Ω DC RES			NECTED INTERNALLY TO GIVE THE FOREGOING.			DC RES/20 TURNS OF 21 E WIRE 255 OHMS DC RES. ELECTROSTATIC SHIELD.		
2/6/45 UX-7011C CBM:1000A-83 MAR. 45 ALT 0								
ALL SEC-ONDARY TERMINALS CONNECTED TO TUBE SOCKETS; ELECTROSTATIC SHIELD.			CVC-301737 RBL-4			CADF-301743 RBK SERIES		
			POWER TRANSFORMER: PRIMARY RATED APPROXIMATELY 0.45 WATTS, PRIM. 1/2: 115/115V, 230/230V, 52A/52A, #28 ENA WIRE/#28 ENA WIRE, 16.2 OHMS DC RESISTANCE/ 18.2 OHMS DC RESISTANCE, SECONDARY 1/2/3: 225V/6.3V/5.0V, 0.045 AMP/2.2 AMP/3.0 AMP, 1960 TURNS OF 35			CHOKE FILTER: RATED 2 HENRIES, ±20%, AT 10 VOLTS, 60 CYCLES, WITH 150 MA DC. CONSISTS OF 1900 TURNS OF #31 AWG WIRE, 85 OHMS DC RES. ENCLOSED IN A METAL CASE. BREAKDOWN VOLTAGE 2000V RMS. COIL AND CORE OR COIL AND CASE.		
			2/7/45 P 2093 CWQ:53X276 MAR. 45 ISS D			2/6/45 10C3 CHL:568006-B MAR. 45		
CRP-301733 SF SF-1			CVC-301737			CADF-301744 RBK SERIES		
PLATE AND FILAMENT TRANSFORMER: PRIMARY RATED 115/1/400, 72.5 VA, 0.63 AMPS, 347 TURNS OF #22 EN WIRE, 2.47Ω DC RES, TEST VOLTAGES 1780V RMS, SEC #1/#2/#3 RATED 2.5V/2.5V/1390 VOLTS AT 2.5 AMPS/2.5 AMPS/N.L., 8/8/4200 TURNS TAPPED AT 2275 TO GIVE 750V OF			ENA/31 TURNS OF #17 ENA/25 TURNS OF 17 ENA, 390 OHMS/2.11 OHMS/0.95 OHMS DC RESISTANCE. SECONDARY #1 CENTER TAPPED, ELECTROSTATIC SHIELD. HERMETICALLY SEALED.			CHOKE, FILTER: RATED 12 HENRIES, ±20% AT 10 VOLTS, 60 CYCLES WITH 90 MA DC. CONSISTS OF 3650 TURNS OF #31 AWG WIRE, 215 OHMS ±10% DC RES. ENCLOSED IN METAL SHELLS. BREAKDOWN TO BE NOT LESS THAN 2000V. RMS BETWEEN COIL AND CORE, OR COIL AND CASE.		
2/6/45 UX7014 AND CRP:DU74-853 MAR. 45 UX7014A SUB 0						2/5/45 CADF:10C2 CHL:568007-A MAR. 45 CHL:568007		
CRP-301733			CRP-301738 SO-7M/7N		RE 13A 554	CADF-301745 RBK SERIES		
17CE/17CE/35EN WIRE, 0.03/0.03/590Ω DC RES TEST VOLTAGES 4250/4250/2500 RMS ELECTROSTATIC SHIELD DOUBLE GROUNDED. OUTPUT CONNECTED TO TUBE SOCKETS.			INDUCTOR: 0.1 HENRY AT 6 VOLTS, 120 CYCLES WITH 1.4 AMPS, 396 TURNS OF #19 E WIRE 2.28 OHMS DC RESISTANCE. #26 GAUGE ALLEGHANY AUDIO GRADE C CORE.			RE 13A 553 REACTOR, DUAL: #1 RATED AT 12 HENRIES +20% -10%, 10V, 60 CPS, 90 MA, 215 OHMS ±10% DC RES. CONSISTS OF 3650 TURNS OF #31 WIRE, #2 RATED AT 3 HENRIES +30% -10% 10V, 60 CPS, 150 MA, 85 OHMS ±10%, 1900 TURNS OF #30 WIRE, HERMETICALLY SEALED.		
			#SPEC 92-655-G3 SUB 0 DL-74-1026 REV 3 2/10/45 UX-9114A #SEE ABOVE MAR. 45			2/6/45 CADF:10C27 CHL:56C048 MAR. 45 CHL:56C048 REV F		

Class 30—Transformers and Reactors

3.30-97

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CADF-301745
LAMINATED CORES GROUNDED TO CAN AND BROUGHT OUT TO TERMINALS.

CTH-301749
MARY INPUT 105V, SEC OUTPUT 8.3V 35A.

CTH-301754 TDP
TRANSFORMER, FILAMENT:
PRI. CONSISTS OF 163 TURNS #24 E WIRE, 4.25 OHMS DC RESISTANCE INPUT 105V, SEC CONSISTS OF 8 TURNS OF #12 SCE WIRE OF 0.023 OHMS DC RES, OUTPUT 5V, 6.5 AMPS. ELECTROSTATIC SHIELD.

1/12/45 T-48581
MAR. 45

CADF-301746 RBK SERIES
TRANSFORMER, AUDIO
PRI: CENTER TAPPED TO MATCH 12,000 OHMS WITH CURRENT AT 35 MA. SEC (4-5-6)-600 OHMS, CENTER TAPPED, NO DC. SEC (7-8-9): 5000 OHMS, WITH TAP FOR 500 OHMS, NO DC. FOR OPERATION FROM 30 TO 10,000 CYCLES. INSERTION LOSS AT 400 CPS SHALL BE 1 1/2
2/6/45 CADF:10A40,10A45 CHL:SEC062
MAR. 45 CHL:55C062 ISS F

CTH-301750 TDP
TRANSFORMER:
PRI CONSISTS OF 533 TURNS OF #24 E WIRE, TAPPED AT 448-490 TURNS AT 448 TURNS DC RES IS 5.6 OHMS, 105V, AT 490 TURNS DC RES IS 6.1 OHMS 115V AND AT 533 TURNS DC RES IS 6.7 OHMS 125V. SEC CONSISTS OF 127 TURNS OF #19 E WIRE, 0.61 OHMS DC
1/12/45 T-48587
MAR. 45

CTH-301755 TDP
TRANSFORMER OSCILLATOR:
PRI CONSISTS OF 71 TURNS OF #5 OCC WIRE 0.11 OHM DC RESISTANCE. INPUT 110V, SEC CONSISTS OF 16000 TURNS OF #30E WIRE 2700 OHM DC RES, OUTPUT SEC. 24.600V, 0.08A ELECTROSTATIC SHIELD.

1/12/45 T-48583
MAR. 45

CADF-301746
db MAX. CORE AND TERMINAL #7 CONNECTED TO GROUND THE METAL CAN. BREAKDOWN VOLTAGE BETWEEN WINDING TO GRD. 1000V RMS MAX.

CTH-301750
RES 27V, 2.2A, 2700V/60- TEST.

CTH-301756 TDP
TRANSFORMER PLATE & FILAMENT:
PRI CONSISTS OF 555 TURNS OF #27 E WIRE TAPPED AT 466, AND 511 TURNS TO GIVE 105V FROM LUG 1 TO 2, 115V FROM 1 TO 3; 125V FROM LUG 1 TO 4 TAP 1 TO 2/1 TO 3/1 TO 4/ HAS 1.25/14.0/15.0 OHMS DC RES. SEC 1/2/3/4 CONSISTS OF 1710/25/7
1/12/45 T-48586
MAR. 45

CTG-301747 RBK SERIES
TRANSFORMER, OUTPUT:
PRI (1-3) 12000 OHMS IMPEDANCE. CONSISTS OF 2800 ±1% TURNS OF #37 WIRE, 550 OHMS DC RES, 2 CT OF 1-3. SEC: 4-6/7-8/7-9, 600/500/5000 OHMS IMPEDANCE. CONSISTS OF 624/570/1240 TURNS OF #30/#30/#37 WIRE WITH 25.5/29/300 OHMS DC RES. 5 CT
2/1/45 3A452 CHL:55C019
MAR. 45 CHL:55C019 REV. E

CTH-301751 TDP
TRANSFORMER:
PRI CONSISTS OF 470 TURNS OF #23 E WIRE TAPPED AT 395 AND 432 TURNS TO GIVE 105V OR 115V OR 125V DC RES. 0 TO 105 IS 4.1 OHMS 0 TO 115 IS 4.5 OHMS 0 TO 125 IS 4.9 OHMS HV SEC CONSISTS OF 2140 TURNS OF #30E WIRE, 170 OHMS DC RES. OUTPUT
1/12/45 T-48588
MAR. 45

CTH-301756
31/31 TURNS OF #39E/#19E/#23E/#23E WIRE LUG 11-12, 12-13/9-10/5-6/7-8/ HAS 355, 355/0.03/0.32/0.32 OHMS DC RESISTANCE. OUTPUT SEC #1/2/3/4 IS 350V/5V, 3 AMP/ 6.3V 1 AMP/6.3V 1 AMP.

CTG-301747
OF 4-6.

CTH-301751
550V DC AT 70 MA DC, TEST 2700V, 60 CYCLES.

CTG-301757 SP-1M
TRANSFORMER, FILAMENT:
PRI: RATED 10 WATTS, 115/1/60, 0.120 AMPS. CONSISTS OF 850 TURNS OF #32E WIRE 50 OHMS DC RES. SEC: 1.35 AMPS, 52 TURNS OF #21E WIRE, 0.3 OHMS, 6.3 VOLTS RMS. HERMETICALLY SEALED.

2/12/45 9N915 CG:K-54J978
MAR. 45 REV 1

CTG-301748 RBK SERIES
TRANSFORMER, AUDIO
PRI: (1-2-3) 12,000 OHMS IMPEDANCE. CONSISTS OF 3150 TURNS OF #37 WIRE, 500 OHMS DC RES, CENTER TAPPED AT TERM (2). BREAKDOWN VOLTAGE 2000 VOLTS RMS. SEC: (4-5-6): 4-5/5-6, 5000/500 OHMS IMPEDANCE, 1390/645 TURNS OF #37/#30 WIRE, 2/7/45 CTG:3A329 CHL:55B008
MAR. 45 CHL:55B008 REV 0

CTH-301752 TDP
TRANSFORMER, FILAMENT:
PRI. CONSISTS OF 1065 TURNS OF #34 E WIRE TAPPED AT 895 AND 980 TURNS TO GIVE 105V OR 115V, OR 125V, 0 TO 105 IS 110 OHMS DC RES, 0 TO 115 IS 120 OHMS DC RES, 0 TO 125V IS 130 OHMS DC RES. SEC CONSISTS OF 23 TURNS OF #19 E WIRE OF
1/12/45 T-48589
MAR. 45

CG-301758 SP-1M
TRANSFORMER, POWER:
PRI: RATED 130 KVA, 115/1/60, 0.26 AMPS. CONSISTS OF 327 TURNS OF 0.0355" E WIRE 1.507 AMPS DC RES; 1500 VOLTS TO GROUND. SEC: 1/2 RATED 78 VOLTS PHASE/6.3 VOLTS, 1 PHASE; 1.43/3 AMPS, 235/19 TURNS OF 0.385/.0385E WIRE, 1.343/.0692 OHMS DC
2/12/45 K-52J972 K-52J972
MAR. 45 REV 3

CTG-301748
240/26 OHMS DC RES, 1500V RMS BREAKDOWN VOLTAGE. FREQ. RESPONSE 30 TO 10000 CYCLES.

CTH-301752
0.084 OHMS DC RES OUTPUT 2.5V.

CG-301758
RES; 2500/2500 VOLTS TO GROUND. LAMINATED IRON CORE.

CTH-301749 TDP
TRANSFORMER, OSCILLATOR
FILAMENT: PRIMARY CONSISTS OF 190 TURNS OF #5E RIBBON TYPE WIRE 0.65 OHMS DC RESISTANCE INSULATION 1600V, SEC CONSISTS OF 21 TURNS OF 0.032 X 3/4" RIBBON TYPE WIRE OF 0.013 OHM DC RESISTANCE 5000V INSULATION TEST, 60 CYCLES. PRI-
1/12/45 T-48580
MAR. 45 T-48580-A

CTH-301753 TDP
TRANSFORMER, FILAMENT:
PRI CONSISTS OF 163 TURNS #21 E WIRE, INPUT 105V, SEC CONSISTS OF 8 TURNS #9 OCC WIRE, OUTPUT 5V 13A, ELECTROSTATIC SHIELD.

1/12/45 T-48582
MAR. 45

CG-301759 SP-1M
TRANSFORMER FILAMENT:
PRI: RATED 115/1/60, 0.143, 473 TURNS OF 0.0170E WIRE, 8.1 OHMS DC RES, 1500 VOLT TO GRD. SEC: 1/2; 6.3/6.3 VOLTS, 3.5/ 1.2 AMPS; 28/28 TURNS OF 0.0359/0.0359E WIRE, 0.0824/0.248 OHMS DC RES, 1500 VOLTS TO GROUND. IRON CORE.
2/12/45 K54J204 K54J204
MAR. 45 REV 3

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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RESTRICTED

NAVSHIPS 900,109

3.30-98

Class 30—Transformers and Reactors

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CG-301760 SP-1M
TRANSFORMER, FILAMENT:
PRI: RATED 115/1/60, 0.14 AMPS. CONSISTS OF 490 TURNS OF 0.253"E WIRE, 4.28 OHMS DC RES. 1500 TEST VOLTS TO GRD. SEC: 5.9 VOLTS, 8.5 AMPS, 27 TURNS OF .095"E WIRE, 0.027 DC RES, 2500 VOLTS TO GRD. IRON CORE.
2/12/45 K54J534 K-54J534
MAR. 45 REV 4

CG-301761 SP-1M
TRANSFORMER, FILAMENT:
PRI: RATED 115/1/60, 0.16 AMPS, 407 TURNS OF 0.0253E WIRE, 3.82 OHMS DC RES. SEC: 1/2; 6.3/6.3 VOLTS, 7/0.6 AMPS; 24/24 TURNS OF .110" X .050" DC/0.0226"E WIRE, .0373/0.448 OHMS DC RES. LAMINATED IRON CORE.
2/12/45 K54J54 K54J54
MAR. 45 REV 3

CG-301762 SP-1M
TRANSFORMER, FILAMENT:
PRI: 115/1/60; 0.14 AMPS, CONSISTS OF 502 TURNS OF .0226"E WIRE, 5.0 OHMS DC RES. SEC: 1/2/3/4/5; 6.3/1/60; 6.3/1/50; 2.5/1/60; 2.5/1/60; 2.5/1/60; 130/30/12/12/12 TURNS OF .042"E/.042"E/.0571"E/.0571"E/.0571"E WIRE; .137/.1573/.046/
2/12/45 K44J473 K44J473
MAR. 45 REV 1

CG-301762
.046/.0423 OHMS DC RES. IRON CORE.

CG-301767 SP-1M
TRANSFORMER, FILAMENT
PRI: 115#1/60, CONSISTS OF 313 TURNS OF 0.0320 WIRE WITH 2.07 OHMS D.C. RES. SEC: 1/2/3/4/5; 6.3/6.3/6.3/6.3/6.3 VOLTS, 8.5/0.9/0.9/0.6/0.3 AMPS, 18/18/18/18/18 TURNS OF .095 X .035/0.0320/0.0320/0.0285/0.0179 WIRE; 0.019/0.17/2/15/45 K-54J36 K-54J36
JULY 45 REV 4

CG-301767
0.17/0.232/0.573 OHMS D.C. RES. 500 VOLTS TO GRD. LAMINATED IRON CORE.

CG-301768 SP-1M
TRANSFORMER, POWER
PRI: 115/1/60; 0.086 AMPS, 610 TURNS OF 0.0285" E WIRE; 4.2 OHMS DC RES. SEC: 1/2/3; 9675/15/15 TURNS OF 0.0035/0.0571/0.0571 E WIRE. 15450/0.0657/0.0657 OHMS DC RES. HERMETICALLY SEALED. ELECTROSTATIC SHIELD.
2/13/45 K-54J107 K-54J107
JULY 45 REV 7

CG-301769 SP-1M
TRANSFORMER, POWER
PRI: 115/1/60; 516 TURNS OF 0.0159 WIRE, 11.25 OHMS DC RES. SEC: 1/2/3; 150/75/6.3 VOLTS; 0.015/0.0037/4.4 AMPS; CONSIST OF 800/307/34 TURNS OF 0.004/0.0045/0.0385 WIRE WITH 222/37 1/2/0.0796 OHMS D.C. RES; 250/500/250 VOLTS TO GRD.
2/13/45 K-52J499 K-52J499
JULY 45 REV. 3

CG-301769
HERMETICALLY SEALED.

CTH-301773 TDP
TRANSFORMER, FILAMENT
PRI CONSISTS OF 271 TURNS OF #27E WIRE TAPPED AT 220. & 250 TURNS TO GIVE 105V, 115V AND 125V. PRI TAP 0 TO 105 IS 7.8 OHMS, 0 TO 115 IS 8.5 OHMS 0 TO 12 IS 9.3 OHMS, DC RES. SEC #1/2/3 CONSISTS OF 15/15/15 TURNS OF #25E/2-#19E/1#26E WIRE
2/12/45 T-48584
MAR. 45

CTH-301773
HAVING 0.37/0.044/0.37 OHMS DC RES. OUTPUT. SEC 1/2/3 IS 6.3V, 6 AMP/6.3V, 4.5 AMP/6.3V, 0.6 AMP. ELECTROSTATIC SHIELD.

CTH-301774 TOP
TRANSFORMER, FILAMENT
PRI. CONSISTS OF 371 TURNS OF #22E WIRE TAPPED AT 312 & 342 TURNS TO GIVE 105V, 115V AND 125V, 0 TO 105 IS 3.2 OHMS, 0 TO 115 IS 3.5 OHMS AND 0 TO 125V IS 3.8 OHMS. SEC #1/2/3 CONSISTS OF 4040/8/8 TURNS OF #34/19/19 WIRE. SEC#1 TAPPED
2/12/45 T-48585
MAR. 45

CTH-301774
AT 2080 TURNS 0 TO 700 OF 380 OHMS DC RES. 700 TO 1300 OF 360 OHMS DC RES. SEC #2 0.05 OHMS DC RES. SEC #3 IS 0.05 OHMS DC RES. OUTPUT SEC #1/2/3 IS 1300V/2.5V, 2.5 AMP/2.5V, 2.5 AMP.

CG-301763 SP-1M
TRANSFORMER, AUDIO INPUT:
PRI: IMPEDANCE OF 7540 OHMS AT 10 VOLTS, 60 CYCLES WITH 0.010 AMPS DC. CONSISTS OF 2910 TURNS OF 0.0031E WIRE, 999 OHMS DC RES. INDUCTANCE OF 20 HENRIES. SEC: 8730 TURNS OF 0.0031E WIRE, 3650 OHMS DC RES. HERMETICALLY SEALED STEEL CASE.
2/13/45 K54J111 K54J111-P1
MAR. 45 REV 3

CG-301764 SP-1M
TRANSFORMER POWER:
PRI: 115/1/60, 155 TURNS OF 0.49"E WIRE, 0.627 OHMS DC RES. SEC: 1/2/3/4/5; 930/516.4/142/6.4 VOLTS, 0.177/6/12/0.01/1.2 AMPS; 12567/9/192/9 TURNS OF 0.0126"/0.110X03"/0.013"/0.0226"/ E WIRE; 86.1/0.018/.0141/19.2/0.128 OHMS DC RES.
2/13/45 K54J114-P1 K54J114-P1
MAR. 45

CG-301765 SP-1M
FILTER CHOKE
INDUCTANCE 10 HENRIES AT 10 VOLTS, 60 CYCLES WITH 250 MA. CONSISTS OF 3040 1/2 TURNS OF 0.0142"E WIRE, 119 OHMS DC RES. 500 VOLTS OC. TO GRD.
2/13/45 K-54J205 K-54J205-P-1
JULY 45 P-1 REV 3

CG-301766 SP-1M
TRANSFORMER, FILAMENT
PRI: 115/1/60, 589 TURNS OF 0.0226 X 110 X .060 SQ. WIRE, 6.15 OHMS DC. RES. SEC: 6.3 VOLTS, 10 AMPS, 36 TURNS OF 0.0226 X 110 X 0.050 SQ WIRE, 0.0386 OHMS DC RES. 250 D.C. VOLTS TO GRD.
2/13/45 K-54J45 K-54J45
JULY 45 REV 4

CAG-301770 SP-1M
TRANSFORMER, VARIABLE
INPUT RATING 115 VOLTS RMS, 60 CPS. OUTPUT RATING 0-25 VOLTS, ± 2 VOLTS. EACH SIDE OF CENTER TAP, MEASURED UNDER LOAD OF 0.8 AMPS R-M-S. SIMILAR TO CAG TYPE 200 B. VARIAS.
2/13/45 CG:K-54J232 CG:K-54J232
JULY 45 REV. 3

CG-301771 SP-1M
FILTER CHOKE
INDUCTANCE 20 HENRIES AT 10 VOLTS, 60 CYCLES WITH 10 MA. WITH 4550 TURNS OF 0.0035" E WIRE, 975 OHMS DC RES. HERMETICALLY SEALED. IRON CORE.
2/13/45 K-54J112-P1 K-54J112
JULY 45 P-1 REV 4

CG-301772 SP-1M
FILTER REACTOR
INDUCTANCE 10 HENRIES, 10 VOLTS, 60 CYCLES WITH 15 MA. CONSISTS OF 5400 TURNS OF 0.005" E WIRE, 4.46 OHMS D.C. RES.
2/13/45 K-54J72 K-54J72
JULY 45 REV 3

CTH-301775 TDP
TRANSFORMER, FILAMENT
PRI CONSISTS OF 907 TURNS OF 29E WIRE TAPPED AT 762 AND 835 TURNS TO GIVE 105V OR 115V OR 125V. TAP 0 TO 105 HAS 22 OHMS DC RES, 0 TO 115 HAS 24 OHMS DC RES 0 TO 125 HAS 26 OHMS DC RES. SEC. CONSISTS OF 40 TURNS OF #17E WIRE OF 0.14
2/12/45 T-48592
MAR. 45

CTH-301775
OHMS DC RES. OUTPUT 5V, 4 AMPS.

CTH-301776 TDP
CHOKE
CONSISTS OF 2500 TURNS OF #29E WIRE OF OF 145 OHMS DC RES, INDUCTANCE 7.25 HENRIES AT 1000 CYCLES, 100V AC AND 10 HENRIES AT 150 MA DC.
2/13/45 T-48590
MAR. 45

CTH-301777 TDP
CHOKE
CONSISTS OF 2650 TURNS OF #33E WIRE OF 270 OHMS DC RESISTANCE. INDUCTANCE AT 1000 CYCLES AND 10V AC IS 12.1 HENRIES. AT 30MA DC, 50/60 CYCLES IS 16 HENRIES.
2/13/45 T-48591
MAR. 45

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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Class 30—Transformers and Reactors

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION		
CTH-301778 TDP TRANSFORMER, AUTO 50-60 CYCLES. 4KV MAX LOAD. INPUT 210 VOLTS. 8 DIFFERENT TERMINAL CONNECTION POSSIBLE VARYING FROM 105V TO 250V TO MAINTAIN 115V OUTPUT.	2/13/45 T-48579 MAR. 45		HENRIES-			CW-301784		ED IN CAN.		
								CRV-301789		
CTH-301779 DBF TRANSFORMER PRI. RATED 10,000 OHMS AT 10 MA DC. SEC. 600 OHMS. RESPONSE 3 db DOWN 150-3000 CPS. AUDIO POWER OUTPUT IS 500 MILLI-WATTS.	2/14/45 T-48930 MAR. 45	CFT:NCP-45-2B-12 REV B	CW-301785 UF RETARDATION. COIL WINDING (1-2) CONSISTS OF 2145 TURNS OF 29 GA E WIRE OF 44 OHMS DC RESISTANCE. (3-4) CONSISTS OF 2145 TURNS OF #27 GA E WIRE OF 44 OHMS DC RESISTANCE. MIN INDUCTANCE WHEN USED SEP. 1.0 HENRY AT 900 CPS WITH 3V & 0.0 AMPS THROUGH WINDING	2/15/45 D-162039A MAR. 45	BA-10113 ISS 1	CRV-301790 QGB POWER TRANSFORMER: PRIMARY RATED 117V, SINGLE PHASE, 50/60 CYCLES, 0.036 AMPS, 1010 TURNS OF #30E WIRE, 35.8 OHMS DC RES; SEC #1/#2 RATED 2500/2.50 VOLTS AT 0.001DC/1.75 AMPS, 22,250/24 TURNS OF #40/#13 WIRE, 12,200 OHMS/MINUTE DC RES; IMPREGNATED AND	2/12/45 901674 MAR. 45	CRV-K-301674 G501 REV 2		
CFT-301780 DBF TRANSFORMER PRI RATED AT 117V AT 400 CPS. SEC. #1 RATED 6.3V AT 6 AMPS. #2 RATED 5V AT 2 AMPS. SEC #3 HV SEC. 710 VOLTS AT 100 MA. HIGH VOLTAGE SECONDARY CENTER TAPPED PRI CONSISTS 132 1/2 TURNS #22E CU WIRE. SEC 1/2/3 CONSISTS OF 7 1/2/6/310 TURNS	2/14/45 RF-3555-2 JUN. 45	RF-3555-2 ISSUE C	CW-301785 UF MIN INDUCTANCE WITH 2 WINDINGS IN SERIES 4.3 HENRIES AT 900 CPS WITH 3V & 0 AMPS THROUGH WINDING.			CRV-301790 QGB POWER TRANSFORMER: PRIMARY RATED 117V, SINGLE PHASE, 50/60 CYCLES, 0.036 AMPS, 1010 TURNS OF #30E WIRE, 35.8 OHMS DC RES; SEC #1/#2 RATED 2500/2.50 VOLTS AT 0.001DC/1.75 AMPS, 22,250/24 TURNS OF #40/#13 WIRE, 12,200 OHMS/MINUTE DC RES; IMPREGNATED AND	2/12/45 901674 MAR. 45	CRV-K-301674 G501 REV 2		
								CRV-301790		
			CFT-301780 OF 2#17E/2#21E/32E COPPER WIRE.			CRV-301791 QGB FILAMENT TRANSFORMER: PRIMARY 0.1675 AMPS AC; 704 TURNS, TAPPED AT #590 AND #647 TO GIVE 105/115/125V, OF 0.0126E WIRE, 19.6 OHMS DC RES; SECONDARY CT TO GIVE 6.3-5.15 VOLTS AT 2.7 AMPS, 38 TURNS OF 0.0571E WIRE, 0.068 OHMS DC RES.	2/13/45 900161-504 MAR. 45	CRV-K-900161 G504 REV 9		
CFT-301731 DBF CHOKER. FILTER: INDUCTANCE 100 MA DC SHALL BE 1 HENRY, 130 OHM DC RES. WINDING SHALL BE INSULATED TO WITHSTAND 500V TO CASE. CONSISTS OF 2000 TURNS #32E COPPER WIRE.	2/14/45 RF-3554-1 JUN. 45	RF-3554-1 ISS B	CJE-301786 AK/UPA-1 CHOKER. AF 2 WINDINGS. EACH WINDING CONSISTS OF 4250 TURNS OF #34 E COPPER WIRE 36 LAYERS. APPROX 119 TURNS/LAYER 0.06 AMPS 42.0 OHMS DC RESISTANCE, INDUCTANCE 9.5 HENRIES EACH COIL. TEST VOLTAGE 2000V 60 CYCLES AC.	2/16/45 #466-001-212 MAR. 45	CDL:C-168-4559-1 REV A	CRV-301791 QGB FILAMENT TRANSFORMER: PRIMARY 0.1675 AMPS AC; 704 TURNS, TAPPED AT #590 AND #647 TO GIVE 105/115/125V, OF 0.0126E WIRE, 19.6 OHMS DC RES; SECONDARY CT TO GIVE 6.3-5.15 VOLTS AT 2.7 AMPS, 38 TURNS OF 0.0571E WIRE, 0.068 OHMS DC RES.	2/13/45 900161-504 MAR. 45	CRV-K-900161 G504 REV 9		
								CRV-301792 QGB FOCUS COIL: INDUCTANCE 300 HENRIES AT 1000 CYCLES, 2.5 WATTS, 36500 TURNS OF AWG #38E WIRE, 18500 OHMS DC RES; HI POT IS 1000 VOLTS TO CASE; IMPEDANCE AT 60 CYCLES 3 VOLTS, 0 AMPS DC SHALL BE 110,000 OHMS; IMPREGNATED AND HERMETICALLY SEALED IN CAN.	2/13/45 901712-501 MAR. 45	CRV-K-901712 G501 REV 4
CFT-301782 DBF TRANSFORMER: PRI RATED 117V, 400 CPS, SEC #1 IS HV SECONDARY RATED 2000V AT 2 MA. SEC #2 6.3V AT 0.8 AMPS.	2/14/45 RF-3482-2 MAR. 45	RF-3482-2 ISS A	CJE-301787 TS-2B/UPN TRANSFORMER, POWER INPUT PRI 115V 60 CPS AC. 2.6 AMPS, 0.342 OHMS DC RES. SEC #1/2/3/4/5/6/7/8/9/10; DC RES 64/1060/166/0.037/0.057/0.166/0.269/0.276/0.014/0.144 OHMS. VOLTAGE HIGH V/HIGH V/HIGH V/2.5/2.5/5.0/6.3/6.3/6.3/6.3 WITH 0.0/0.0/0.0/2/16/45 #463-001-262 MAR. 45			CRV-301792 QGB FOCUS COIL: INDUCTANCE 300 HENRIES AT 1000 CYCLES, 2.5 WATTS, 36500 TURNS OF AWG #38E WIRE, 18500 OHMS DC RES; HI POT IS 1000 VOLTS TO CASE; IMPEDANCE AT 60 CYCLES 3 VOLTS, 0 AMPS DC SHALL BE 110,000 OHMS; IMPREGNATED AND HERMETICALLY SEALED IN CAN.	2/13/45 901712-501 MAR. 45	CRV-K-901712 G501 REV 4		
								CRV-301793 QGB FILTER REACTOR: PRIMARY RATED 87.5 WATTS AT 350V DC, INDUCTANCE 5 HENRIES, 120 CYCLES, 2100 1/2 TURNS OF #26 AWG WIRE, 58 OHMS DC RES; IMPEDANCE AT 30 VOLTS 60 CYCLES, 0.300 AMPS DC SHALL BE 1335 OHMS MIN; COIL LAMINATED IRON; ENCLOSED IN CAN.	2/13/45 901546-501 MAR. 45	CRV-K-901546 G501 REV 2
CW-301783 UF RETARDATION. COIL WINDING (1-2) CONSISTS OF 273 TURNS OF #22 GA E WIRE 1.6 OHMS DC RESISTANCE. MIN. INDUCTANCE 0.07 HENRY WITH 0.6 AMP DC THROUGH WINDING & 3V 60 CPS ACROSS WINDING. OPERATING VOLTAGE TO GROUND OR CASE 150V.	2/15/45 D-162824 MAR. 45	BA-102385 ISS 1	CLJ-301788 X-RDJ REACTOR INDUCTANCE 20 HENRIES, IMPEDANCE MIN. 7.440 OHMS. RES. 300 OHMS DC. 4000 TURNS #31 WIRE, TEST VOLTAGE 1750 VOLTS TO GROUND. HERMETICALLY SEALED WITH SOLDER TERMINALS.	2/16/45 L554 MAR. 45	CAFO:9-2542-2 ALT 0	CRV-301793 QGB FILTER REACTOR: PRIMARY RATED 87.5 WATTS AT 350V DC, INDUCTANCE 5 HENRIES, 120 CYCLES, 2100 1/2 TURNS OF #26 AWG WIRE, 58 OHMS DC RES; IMPEDANCE AT 30 VOLTS 60 CYCLES, 0.300 AMPS DC SHALL BE 1335 OHMS MIN; COIL LAMINATED IRON; ENCLOSED IN CAN.	2/13/45 901546-501 MAR. 45	CRV-K-901546 G501 REV 2		
								CRV-301794 QGB FILTER REACTOR: INDUCTANCE 2 HENRIES, 25 WATTS, 120 CYCLES, 2000 TURNS OF AWG #28E WIRE, 55 OHMS DC RES; IMPEDANCE AT 30V/60 CYCLES 0.180DC AMPS TO BE 750 OHMS MIN; LAMINATED IRON CORE; COIL IS ENCLOSED IN CAN.	2/13/45 901657-501 MAR. 45	CRV-K-901657 G501 REV 2
CW-301784 UF RETARDATION COIL WINDING (1-5) CONSISTS OF 4305 TURNS OF #34 AWG E WIRE WITH 3 TAPS AT 1315 TURNS, 3455 & 3990 TURNS WITH 217 OHMS DC RESISTANCE. MIN. INDUCTANCE WINDING (1-5) AT 900 CPS WITH 3V ACROSS WINDING & 0.0 AMPS DC THROUGH WINDING 3.0	2/15/45 D-161818E MAR. 45	BA-100959 ISS 1	CRV-301789 QGB POWER TRANSFORMER: PRIMARY RATED 115/1/60, 424 MILLIAMPERES, 550 TURNS OF #28 WIRE, 13.9 OHMS DC RES; SEC #1/#2/#3 RATED 600V/5.0V/6.3 VOLTS AT 0.040DC/2.0/2.0 AMPS, 3200CT/24/32 TURNS OF #37/#21/#17 WIRE, 751/0.199/0.052 OHMS DC RES; IMPREGNATED AND SEAL-2/12/45 901434 MAR. 45			CRV-301794 QGB FILTER REACTOR: INDUCTANCE 2 HENRIES, 25 WATTS, 120 CYCLES, 2000 TURNS OF AWG #28E WIRE, 55 OHMS DC RES; IMPEDANCE AT 30V/60 CYCLES 0.180DC AMPS TO BE 750 OHMS MIN; LAMINATED IRON CORE; COIL IS ENCLOSED IN CAN.	2/13/45 901657-501 MAR. 45	CRV-K-901657 G501 REV 2		
								CRV-301795 QGB POWER TRANSFORMER: PRIMARY 110 VOLTS, 0.32 AMPS, 485 TURNS OF #25 WIRE, 7.3 OHMS DC RES; SECONDARY 165 VOLTS, 0.180DC AMPS, 770 TURNS OF #29 WIRE, 41 OHMS DC RES; SEALED IN CAN.	2/13/45 901553-501 MAR. 45	CRV-K-901553 G501 REV 3
								CRV-301795 QGB POWER TRANSFORMER: PRIMARY 110 VOLTS, 0.32 AMPS, 485 TURNS OF #25 WIRE, 7.3 OHMS DC RES; SECONDARY 165 VOLTS, 0.180DC AMPS, 770 TURNS OF #29 WIRE, 41 OHMS DC RES; SEALED IN CAN.	2/13/45 901553-501 MAR. 45	CRV-K-901553 G501 REV 3
								CRV-301795 QGB POWER TRANSFORMER: PRIMARY 110 VOLTS, 0.32 AMPS, 485 TURNS OF #25 WIRE, 7.3 OHMS DC RES; SECONDARY 165 VOLTS, 0.180DC AMPS, 770 TURNS OF #29 WIRE, 41 OHMS DC RES; SEALED IN CAN.	2/13/45 901553-501 MAR. 45	CRV-K-901553 G501 REV 3

RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CYC-301796 RAO-5		TRANSFORMER, POWER: PRIM #1: SINGLE PHASE, 115/230V, 50/60 CYCLES, 390 TURNS OF #25E WIRE, 4.35 OHMS DC RESISTANCE. PRIM #2: 390 TURNS OF #25E WIRE, 5.53 OHMS DC RESISTANCE. SEC #1 CENTER TAPPED; EACH HALF 247V AT .055 AMP, 890 TURNS OF #31E WIRE. 2/14/45 P-2006 MAR. 45	CW-301799 UF		TRANSFORMER, INPUT: IMPEDANCE RATIO BETWEEN PRI & SPEC. WINDINGS IS 600:25,000 OHMS. PFI (1-2): 1000 TURNS #32E WIRE, 50 OHMS DC RES. SEC (3-4): 6450 TURNS #40E WIRE, 2700 OHMS DC RES. ELECTROSTATIC SHIELD BETWEEN PRI & SEC CONNECTED TO TERMINAL 2/16/45 D-162484 MAR. 45	CW-301803 UF		TRANSFORMER, INPUT: IMPEDANCE RATIO BETWEEN WINDING (8-9) AND (1-7) IS 300 TO 375,000 OHMS FREQ. RANGE IS 250 TO 3000 CPS. PRI (8-9) 276 TURNS #30E WIRE, 7.8 OHMS DC RES. SEC (1-7): 9500 TURNS #40E HEAVY WIRE, 3450 OHMS DC RES; TAPPED AT 6000, 5780, 2590 2/16/45 D-162065 MAR. 45

CYC-301796
WHOLE SEC #1 179 OHMS DC RESISTANCE. SEC #2, 6.3V 3.35 AMPS, 22 TURNS OF #14E WIRE, 0.051 OHMS DC RESISTANCE. SEC #3, 5.0V, 3 AMP, 18 TURNS OF #17E WIRE, 0.091 OHMS DC RESISTANCE. ELECTROSTATIC SHIELD BETWEEN SEC & PRIM. HERMETICALLY SEALED. PRI. RATED 64 WATTS.

CW-301799
"S". FREQ. RANGE 255 TO 3145 CPS. WOUND ON SHELL TYPE SILICON STEEL CORE AND POTTED IN METAL CASE.

CW-301803
1510 & 950 TURNS (FROM TERM 7) AND PROVIDES REDUCTION IN POWER TRANSFORMATION OF 4 db PERSTEP FROM THE (1-7) LEVEL. WOUND ON SHELL TYPE #45 PERMALLOY CORE AND POTTED IN METAL CASE.

CYC-301797 RAO-5
TRANSFORMER, AUDIO, OUTPUT:
OPERATION FROM: 4500 OHMS TO 555 OHMS. IMPEDANCE OF PRIMARY, 4500 OHMS AT 10V 60 CYCLES WITH 28 MILLIAMPS DC, 3000 TURNS, 20 LAYERS OF #35E WIRE, 360 OHMS DC RESISTANCE. SEC #1: 553 OHMS, 912 TURNS 12 LAYERS OF #29E WIRE, 34 OHMS
2/14/45 A-2053
MAR. 45

CW-301800 UF
TRANSFORMER, OUTPUT:
IMPEDANCE RATIOS: (7-8) & (1-2)/21,000 TO 600 OHMS; (7-8) & (9-10)/21000 TO 296 OHMS, WINDING (3-4) FOR MONITORING PURPOSES. FREQ. RANGE 200 TO 3,000 CPS. PRI: (7-8): 3240 TURNS #39E WIRE, 835 OHMS DC RES. SEC (1-2): 548 TURNS #29E
2/16/45 D-162066
MAR. 45

CLJ-301804 X-RDJ
AUDIO REACTOR:
INDUCTANCE 30 HENRIES, 10 MA DC IMPEDANCE AT 60~ MIN. 11,250 OHMS; 5550 TURNS #39 WIRE, 1300 OHMS DC RES, 1500V DC TEST. HERMETICALLY SEALED WITH SOLDER TERMINALS.
2/16/45 L586
MAR. 45

CYC-301797
DC RESISTANCE, CENTER TAPPED TO GROUND. TURNS RATIO: 9.9:1 PRIM #1: SEC #1. INDUCTANCE: 12 HENRIES MIN. AT 10V, 60 CYCLES, 28 MA DC MAX. HERMETICALLY SEALED. ELECTROSTATIC SHIELD.

CW-301900
17 OHMS DC RES. SEC (9-10): 384 TURNS #39E WIRE, 88 OHMS DC RES. SEC (3-4): 150 TURNS #35E WIRE, 13.4 OHMS DC RES. WOUND ON SHELL TYPE NICKEL-IRON ALLOY CORE AND POTTED IN METAL CASE.

CLT-301805 X-RDJ
POWER TRANSFORMER:
PRI. RATED 115 VOLTS, 1.42 AMPS, 305 TURNS #19 WIRE, TAPPED AT 212 TURNS, 80 VOLTS. SEC #1: 6.3 VOLTS, 8 AMPS, 18 TURNS #13 WIRE. SEC #2: 6.3 VOLTS, 0.6 AMPS, 18 TURNS #24 WIRE. SEC #3: 5 VOLTS 3 AMPS, 14 TURNS #14 WIRE. SEC #4: 2.5
2/16/45 L-588
MAR. 45

CW-301798 UF
TRANSFORMER, INPUT:
IMPEDANCE RATIO BETWEEN PRI WINDINGS (1-4) AND SEC WINDINGS (4-7) IS 1:1 FREQ. RANGE: 400-2200 CPS. PRI #1/2/3: 650/230/420 TURNS #31E WIRE, 37.5 OHMS TOTAL DC RES FOR FULL PRI. SEC #1/2/3 420/230/650 TURNS #34E WIRE, 125 OHMS DC RES
2/16/45 D-163143
MAR. 45

CW-301801 UF
TRANSFORMER, OUTPUT:
IMPEDANCE RATIO BETWEEN WINDINGS (3-4), (5-6) IN SERIES AND (1-2) IS 8000: 250 OHMS. FREQ. RANGE, WITH 1 db DISTORTION IS 100 TO 13,000 CPS. PRI (1-2): 780 TURNS #30E WIRE, 38.5 OHMS DC RES. SEC (3-4) (5-6): 2200/2200 TURNS #36E WIRE.
2/16/45 D-163144
MAR. 45

CLT-301805
VOLTS, 1.75 AMPS, 7 TURNS #16 WIRE. SEC #5: 345-0-345 VOLTS, 0.125 AMPS, 1950 TURNS #31 WIRE, CT TO GRD. SEC #6: 1500V, 0.0025 AMPS, 3000 TURNS #42 WIRE (=6 IS EXTENSION OF ONE END OF #5). HERMETICALLY SEALED.

CW-301798
FOR FULL SEC. TOROIDAL TYPE WINDING. TERMINAL 4 COMMON FOR PRI & SPEC WINDING. POTTED AND HERMETICALLY SEALED IN RECTANGULAR METAL CASE. HAS MOLYBDENUM PERMALLOY CORE.

CW-301801
900 OHMS DC RES, CONNECTED IN SERIES. WOUND ON SHELL TYPE CORE AND POTTED IN METAL CASE.

CLJ-301806 X-RDJ
AUDIO TRANSFORMER:
INDUCTANCE 20 HENRIES; IMPEDANCE MIN. 7440 OHMS; DC RES. 300 OHMS; 4000 TURNS #31 WIRE; TEST VOLTAGE 1750 VOLTS TO GROUND. HERMETICALLY SEALED WITH SOLDER TERMINALS.
2/16/45 L-597
MAR. 45

CW-301798-A FSF
TRANSFORMER, INPUT
IMPEDANCE RATIO BETWEEN PRI. (1-4) AND SEC. (4-7) IS 1:1. FREQ. RANGE: 400-2200 CPS. PRI #1/2/3: 650/230/420 TURNS #31E WIRE, 37.5 OHMS TOTAL DC RESIST. FOR FULL PRIMARY. SEC #1/2/3: 420/230/650 TURNS #34E WIRE, 125 OHMS TOTAL DC RES.
6/10/45 D171793
JUN. 45

CW-301802 UF
TRANSFORMER, OUTPUT:
IMPEDANCE RATIO BETWEEN WINDINGS (1-2) & (3-4) 50,000 TO 150,000 OHMS. FREQ. RANGE WITH 1 db DISTORTION, 750 TO 17,000 CPS. PRI. (1-A/A') 1556 TURNS #35E WIRE/ 1556 TURNS #36E WIRE, 683 OHMS DC RES BETWEEN (1-2). SEC (3-4): 5400 TURNS
2/16/45 D-163145
MAR. 45

CG-301807 SP-1M
TRANSFORMER:
PRI: 115/1/60; 0.06 AMPS, CONSISTS OF 880 TURNS OF 0.0071" WIRE, 67 OHMS DC RES; 1500 VOLTS TO GRD. SEC: 6.3/60; 1.0 AMPS, 53 TURNS OF 0.0201E WIRE; 0.63 OHMS DC RES, 2500 VOLTS TO GRD. HERMETICALLY SEALED.
2/16/45 680-547
MAR. 45

CW-301798-A
FOR FULL SEC. TOROIDAL TYPE WINDING. TERMINAL 4 COMMON FOR PRIM. AND SEC. POTTED AND HERMETICALLY SEALED IN RECTANGULAR METAL CASE. HAS MOLYBDENUM PERMALLOY CORE. 1500 VOLTS TO GROUND TEST AND MEETS SALT SPRAY TEST OTHERWISE SAME AS -301798.

CW-301802
#38E WIRE, 1800 OHMS DC RES. WOUND ON SHELL TYPE CORE AND POTTED IN METAL CASE.

CAT-301808 QJA
VARIABLE TRANSFORMER:
PRIMARY: 115/1/60, 4.0 AMP, 142 TURNS, #16TAESCC WIRE, 0.60 OHMS DC RES. SECONDARY: 0-90 VOLTS (VARIES IN ACCORDANCE WITH A SINE WAVE WITH 3 PHASES 120° APART) 3.0 AMP MAXIMUM, 142 TURNS, 0.025" X 0.125" RIPPED, 0.62 OHMS DC RES. TO
2/17/45 CAT:SP-0-32289
MAR. 45

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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Class 30—Transformers and Reactors

3.30-101

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CAT-301808
BE USED WITH STANDARD NAVY TYPE 7G SYNCHRO-GENERATOR. SIMILAR TO CAT-301435 EXCEPT LOCATION OF TERMINAL STRIP AND SPACE LIMITATIONS MAKE THEM NOT INTERCHANGEABLE.

CG-301813 UM RE 13A 5538
TRANSFORMER, PLATE:
PRI: 115/11/60, WOUND WITH AWG #23 WIRE 4.5 OHMS ±10% DC RESISTANCE 1500V RMS TEST. SEC: 940V RMS, 0.08 AMPS DC. CENTER-TAP WOUND WITH #31 WIRE, 315Ω ±20% DC RESISTANCE 3,000V RMS TEST ELECTROSTATIC SHIELD BETWEEN PRI. AND SEC.
2/20/45 K59J386 CG:K-59J386
MAR. 45 REV 1

CAUW-301818 OBO
TRANSFORMER, STEP-UP:
PRIMARY RATED 4 VOLTS, 100 MA, 100 TURNS OF 28E WIRE. SECONDARY HAS 2000 TURNS OF 40E WIRE.

2/20/45 CAUW:155-3R
MAR. 45

CAKY-301809 QJA
RETARDATION COIL:
RATED NOT LESS THAN 4.5 HENRIES WITH 15± 0.3 VOLTS, 60 CPS, AND 0.075±0.002 AMPS DC. WINDING (1-2) CONSISTS OF 2700 TURNS (APPROX. 71 TURNS PER LAYER) OF #32 GAE WIRE 186 OHMS DC RES AT 68°F. SILICON STEEL CORE; POTTED IN A RECTANGULAR
2/17/45 CAKY:W-2511 CW:ESO-638211
MAR. 45 CW:KS-8756 ISSUE 7

CG-301813
GROUNDED TO CORE AND CAN.

CSY-301819 TEB
VOLTAGE REGULATING TRANSFORMER:
PRIMARY: 190 TO 250 VOLTS, 1 PHASE, 60 CPS, 69 TURNS 79 SQ DVC WIRE, PLUS 16 TURNS DOUBLE #3 SVE WIRE, 0.095 OHMS DC RES. SECONDARY: 230 VOLTS, 156 TURNS #8 SQ DVC WIRE, 0.095 OHMS DC RES. RATED 2 KVA CONTINUOUS DUTY.
2/20/45 30964 CSY:30964
MAR. 45

CAKY-301809
METAL CASE ARRANGED FOR SIDE MOUNTING.

CG-301814 UM RE 13A 5538
TRANSFORMER, FILAMENT:
PRI: 115/11/60 1500V RMS TEST. SEC: #1/#2/
#3/-4 RATED 6.3/6.3/6.3/5.0V RMS AT 4/1-2/2.5/3 AMPS. ALL SECONDARIES 2000V RMS TEST. ELECTROSTATIC SHIELD BETWEEN PRIMARY AND SECONDARIES GROUNDED TO CORE AND CAN.
2/20/45 K59J387 CG:K-59J387
MAR. 45 REV 0

CRP-301820 WCA
CHOKE ASSEMBLY:
CONSISTS OF 2 IDENTICAL COILS EACH RATED: INDUCTANCE 1.52 HENRIES, 0.167 AC AMPS, 620 TURNS OF #24E WIRE, 12 OHMS DC RES. MAX.; TEST VOLTAGE 1740 RMS; IRON CORE. COILS CONNECTED INTERNALLY IN SERIES ASSEMBLED IN RECTANGULAR METAL CAN. HER-
2/21/45 W-1389 CBM:303-304
MAR. 45 ALT 0

CHL-301810 QJA
INPUT TRANSFORMER:
IMPEDANCE RATIO PRIMARY TO SECONDARY IS 12,000 TO 120,000 OHMS. OPERATES OVER A FREQUENCY OF 240 TO 1360 CPS. PRIMARY CONSISTS 2940 TURNS OF #40 GAE WIRE 985 OHMS DC RES AT 68°F. SECONDARY HAS 9300 TURNS, WHICH ARE CENTER TAPPED, OF #40
2/17/45 CHL:KS-9348 CW:ESO-656916
MAR. 45 ISSUE 6

CG-301815 UM RE 13A 5538
TRANSFORMER, FILAMENT
ISOLATION: PRI: 6.3/11/60 WOUND WITH #18 WIRE 0.151 OHMS DC RESISTANCE. SEC: #1/#2 RATED 6.3/6.3V RMS AT 0.8/1.05 AMPS WOUND WITH #25/#21 WIRE 0.701/0.305 OHMS DC RESISTANCE. ELECTROSTATIC SHIELD BETWEEN PRIMARY AND SECONDARIES AND BE-
2/20/45 K-59J520 CG:K59J520
MAR. 45 REV 0

CRP-301820
HERMETICALLY SEALED. 3 TERMINALS.

CHL-301810
GAE WIRE, 4240 OHMS DC RES AT 68°.

CG-301815
BETWEEN THE TWO SECONDARIES GROUNDED TO CASE AND CORE.

-301821 WCA-2
FILAMENT TRANSFORMER:
PRIMARY 115/11/60 APPROX 228 WATTS, 236 TURNS OF #17E WIRE, 1.05 OHMS DC RES; SEC #1/#2/#3 RATED 10CT/10CT/6.3CT VOLTS 13/6.5/2 AMPS, 22CT/22CT/14CT TURNS OF 2 @ 15E/15E/15E WIRE, 0.023/0.059/0.058 OHMS DC RES. TEST VOLTAGE 1720 RMS.
2/21/45 CRP:U-8363 CBM:938-11
MAR. 45 CBM:938-11 ALT 0

CW-301811 QJB
REPEATING COIL ASSEMBLY:
UNPOTTED TOROIDAL TYPE COIL. IMPEDANCE RATIO BETWEEN (4-5) & (1-3): 15,400 TO 1000 OHMS. FREQ. RANGE 10 TO 30 KC. WINDING (1-3): 360 TURNS 19 #36 GAE STRANDED DN WIRE, 3.0 OHMS DC RES. CT AT LEAD 2. WINDING (4-7): 1415 TURNS
2/20/45 D-167782 ESO-655635
MAR. 45 ISS. 4

CTH-301816 OBO
TRANSFORMER INPUT:
PRIMARY IS CENTER TAPPED. EACH SECTION HAS 23 OHMS DC RES. INPUT IMPEDANCE 400 OHMS AT 60 CPS. SINGLE SECONDARY HAS 5500 OHMS DC RES.

-301821
ENCLOSED IN RECTANGULAR METAL CAN.

CW-301811
7 #36 GAE STRANDED DN WIRE, 45 OHMS DC RESISTANCE. HAS A MOLYBDENUM PERMALLOY POWER CORE RING. HAS FLEXIBLE TERMINAL LEADS.

2/20/45 CTH:T-43606A
MAR. 45

CAUW-301817 OBO
TRANSFORMER, POWER:
PRIMARY RATED 110 VOLTS, 0.5 AMPS, 378 TURNS OF 24E WIRE. SECONDARY #1 IS 6.3 VOLTS, 5 AMPS, 23 TURNS OF 15E WIRE; #2 IS 500 VOLTS, 25 MA, 1800 TURNS OF 37E WIRE; #3 IS 550V, 25 MA, 1940 TURNS OF 37E WIRE; #4 IS 35 VOLTS, 100 MA.
2/20/45 CAUW:155-2R
MAR. 45

301822 OBN
FILTER CHOKE:
RATED 10 HENRIES APPROX. AT 0.15 AMPS DC, 200 OHMS MAX. DC RES. POTTED AND HERMETICALLY SEALED.

2/21/45 CDU:21-247 CDU:DD-4093-C-2
MAR. 45

-301812 RCB
FILTER CHOKE:
RATED 3.6 HENRIES MIN AT 10V, 60 CPS, WITH 30 MA DC. HAS 2900 TURNS #36 PE WIRE (37 LAYERS OF 79 TURNS PER LAYER) WITH 270 OHMS MAX DC RES. #26 GAUGE STEEL CORE. VACUUM IMPREGNATED.

125 TURNS OF 30E WIRE. **CAUW-301817**

-301823 OBN
FILTER CHOKE:
RATED 15 HENRIES MIN. AT 0.025 AMPS DC, 500 OHMS MAX DC RES. POTTED AND HERMETICALLY SEALED.

2/20/45 COT:S-2882 CHL:568031
MAR. 45 CTG:1A125 ISS D

2/21/45 CDU:21-246 CDU:DD-4092-B-1
MAR. 45

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
-301824 OBN POWER TRANSFORMER: PRI (1-2) RATED 115V, 60 SYLSLES; SEC (3-4): 6.3V, 0.9 AMPS, -2000V OPERATION ELECTROSTATIC SHIELD BETWEEN (1-2) & (3-4) CONNECTED TO IRON CORE AND BROUGHT OUT TO TERMINAL 5. SEC (6-7) & (22-23) EACH RATED 6.3V, 1.5 AMPS. SEC (10-11): 2/21/45 CDU:20-250 CDU:00-3692-D-2 MAR. 45			-301829 OHMS DC RES. WITH 5.33/718/24.6/6.62/6.62V AT NO LOAD AND 5/690/24/6.3/6.3V AT FULL LOAD AND 3/0.135/D.006/9.4/0.45 AMPS. WINDING (5-7)(11-12) CENTER TAPPED. ELECTROSTATIC SHIELD.			-301835 JT CHOKE, FILTER INDUCTANCE 8 HENRIES, PRI. IMPEDANCE 3025 OHMS MIN AT 10V, 60-, 0.150 AMPS DC. CONSISTS OF 2950 TURNS OF #30 WIRE OF 178 OHMS DC RESISTANCE.		RE13A553
2.5V, 1.75 AMPS, +2000V OP- ERATION. SEC (12-13): 2.5V, 1.75 AMPS -2000V OPERATION. SEC (8-9) 5.0V, 3.0 AMPS, SEC (14-16) 6.3V, 9.0 AMPS, CT TO TERMINAL 15. SEC (17-21) 2400V TOTAL TAPPED (17-18) FOR 450V, (18-19) FOR 200V, 0.125 AMPS DC. (19-20) FOR 450V, AND (20-21) FOR 1300V, 0.005 AMPS DC. POTTED AND HERMETICALLY SEALED.			-301830 JT TRANSFORMER, INPUT PRI WINDING 1-2/3-4 CONSISTS OF 100 EACH 100 EACH TURNS OF 2 OF #36/2 OF #36 WIRE OF 9.86/9.86 OHM DC RES. SEC. CONSISTS OF 3136 TURNS OF #37 WIRE OF 500. 3 OHMS DC RES. PRI NO LOAD VOLTAGE 0.64V CT (2 COILS) SEC. 10V HIPOT 800V ELEC- 2/23/45 CTR: CRV:W-131099 MAR. 45 CHANGE 2			CTR-301836 CDU-60073 POWER TRANSFORMER PRI: 115 VOLTS, 40 TO 60 CYCLES, SEC. #1/2/3/4/5/6/7: 5/1800/2.5/6.3/2.5/350CT VOLTS; 2.0 AMPS AC/0.005 AMPS DC/2.0 AMPS AC AT +2000V OPERATION/4.0 AHPS 6TYPE 2D9-50-1 3/4, CDU:20-190 *0D-166-B, ISS 2, 0D-975-8, ISS 3 2/24/45 CTR:2395-50- CDU:00-1655-C MAR. 45 1 3/4 8 ISS 1 *		
CAVM-301825 CUL-49546 RE 13A 553B IMPEDANCE MATCHING TRANSFORMER OUTPUT. OPERATING FREQUENCY 200 TO 5000 CPS. PRI. IMPEDANCE 3000 OHMS TAPPED AT 600, 1200, 1800, AND 2400 OHMS SEC. IMPEDANCE 15 OHMS. HANDLING CAPACITY 10 WATTS. HERMETICALLY SEALED. PRI/SEC CONSISTS OF 2000/141 TURNS OF 2/23/45 #378 CUL:1903 MAR. 45 REV 0			-301830 TROSTATIC SHIELD.			CTR-301836 AC/2.0 AMPS AC AT -2000V OPERATION/2.0 AMPS AC AT -2000V OPERATION/0.075 AMPS DC. POTTED IN CTR TYPE 6046 CASE. ELECTROSTATIC SHIELDS. ABOUT PRI & SEC #5 CONNECTED TO CORE & A COMMON LUG. HERMETICALLY SEALED.		
#34/#23 WIRE. CAVM-301825			-301831 JT TRANSFORMER, OUTPUT PRI CONSISTS OF 1796 1/2 TURNS #38 WIRE 247 OHMS DC RES. IMPEDANCE AT 10V, 60-, 0.015 AMP DC IS 1720 OHMS, NO LOAD VOLTAGE 50V, FULL LOAD 105V, SEC. CONSISTS OF 452 1/2 TURNS OF #31 WIRE OF 12.6 OHMS DC RES. NO LOAD VOLTS 12.6V AND 2/23/45 CTR: CRV:W-131099 MAR. 45 CHANGE 2			CTR-301837 CDU-60073 FILTER CHOKE RATED 20 HENRIES AT 75 MA DC. 350 OHMS DC RESISTANCE. HERMETICALLY SEALED. POTTED IN CTR TYPE 1046 CASE.		
-301826 JT TRANSFORMER, INPUT, PRIMARY CONSISTS OF 424 TURNS (CT) OF #35 WIRE. SEC CONSISTS OF 5500 TURNS OF #42 WIRE. PRI 600 OHMS DC RES. SEC 100,000 OHMS DC RES. VOLTAGE RATED PRI TO SEC 1:13. HIPOT 500V.			-301831 FULL LOAD 26V.			2/24/45 CTR: CDU:0D-1654-B MAR. 45 CDU:21-103 ISS 2		
2/23/45 CUT:81938 CRV:W-131036 MAR. 45 CHANGE 2			-301832 JT CHOKE INDUCTANCE 50 HENRIES, PRI IMPEDANCE 18,900 OHMS MIN AT 10V, 60-, 0.050 AMPS DC. CONSISTS OF 6333 TURNS OF #34 WIRE OF 933 OHM DC RESISTANCE. HIPOT 2500V.			-301838 JT FILTER CHOKE RATED 25 HENRIES AT 30 MA DC. 100V, 60 CYCLES. 5500 TURNS OF #36 WIRE, 900 OHMS DC RESISTANCE.		RE13A533B
-301827 JT TRANSFORMER OUTPUT, PRI. CONSISTS OF 500 TURNS #28 WIRE OF 600 OHMS DC RES. SEC CONSISTS OF 50 TURNS OF #21 WIRE OF 6 OHMS DC RES. VOLTAGE RATED OF PRI. TO SEC. IS 10:1 HIPOT - 1000V.			2/23/45 CTR: CRV:W-131099 MAR. 45 CHANGE 2			2/24/45 CUT:82904 CRV:W-131036 MAR. 45 CHANGE 2		
2/23/45 CUT:81990 CRV:W-131036 MAR. 45 CHANGE 2			-301833 JT TRANSFORMER, AUDIO INTERSTAGE: PRI CONSISTS OF 750 TURNS OF #35 WIRE CENTER TAPPED DC RESISTANCE 10,000 OHMS, SEC CONSISTS OF 750 TURNS OF #35 WIRE CENTER TAPPED, 10,000 OHMS DC RESISTANCE, HIPOT 500V.			301839 JT FILTER CHOKE RATED 10 HENRIES, 35 MA, 555 OHMS MAX. CONSISTS OF 353 1/2 TURNS OF #37 WIRE, 3780 OHMS IMPEDANCE MIN. AT 10V, 60-, HIPOT 1600V.		RE13A553
-301828 JT TRANSFORMER, OUTPUT, PRI. CONSISTS OF 1400 TURNS #33 WIRE, DC RESISTANCE 2500 OHMS 60 MA. SEC CONSISTS OF 690 TURNS #31 WIRE DC RES. 600 OHMS. VOLTAGE RATED OF PRI. TO SEC. IS 20:2:1. HIPOT 1000V.			2/23/45 CUT:A-21 CRV:W-131086 MAR. 45 CHANGE 4			2/24/45 CTR: CRV:W-131062 MAR. 45 CHANGE 3		
2/23/45 CUT:34599 CRV:W-131036 MAR. 45 CHANGE 2			-301834 JT TRANSFORMER, INPUT PRI CONSISTS OF 298 TURNS OF #36 WIRE 30.12 OHMS DC RES. NO LOAD VOLTAGE 10V, SEC CONSISTS OF 4768 TURNS #40 WIRE OF 3326 OHMS DC RES. NO LOAD VOLTAGE 160V, HIPOT 1000V, ELECTROSTATIC SHIELD.			CW-301840 UF REPEATING COIL MOISTURE RESISTANT WOUND ON SHELL TYPE, SILICON-STEEL CORE & POTTED IN A METAL CASE. IMPEDANCE RATIO BETWEEN (1-2)(5-6) AND (3-4)(7-8) IS 600: 600 OHMS OPERATING FREQ. RANG (1 db DISTORTION AT 1000 CPS): 150 CPS-16KC. ELECTROSTATIC SHIELD 2/26/45 D-162194H BA-103870 MAR. 45 ISS 1		
-301829 JT TRANSFORMER PRI. RATED 117V, 60- 1.25A WINDING 1-2 HAS 318 TURNS OF #19 WIRE 1.544 OHMS DC RES. SEC WINDING 3-4/5-7/8-8/10-12/14-15 CONSISTS OF 14 1/2/1950/67/18/18 TURNS OF #16/#31/#35/(2) OF #13/#24 WIRE OF 0.068/135.4/17.25/0.020/0.537 2/23/45 CTR: CRV:W-131088 MAR. 45 CHANGE 2			2/23/45 CTR: CRV:W-131338 MAR. 45 CHANGE 0			CW-301840 BETWEEN (1-2), (5-6) AND (3-4)(7-8) ATTACHED TO TERMINAL "S". PRI. (1-2) & (5-6): EACH 550 TURNS #28 ES WIRE & 10 OHMS DC RES. WOUND AS TWISTED PAIR. SEC (3-4)(7-8): EACH 550 TURNS #28 ES WIRE & 13.5 OHMS DC RES. WOUND AS TWISTED PAIR.		

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CW-301841 UF			CRV-301844 MAR		RE13A553B	CRV-301849 MAR		RE13A553B
REPEATING COIL TOROIDAL WINDINGS. WOUND ON PERMALLOY CORE AND POTTED IN METAL CASE WITH A 0.06-0.09 MFD CAPACITOR. IMPEDANCE RATIO 600: 600 OHMS BETWEEN (1-2)(5-6) & (3-4)(7-8). FREQ. RANGE 4-31 KC. INNER WINDINGS (3-4)(7-8): 270 TURNS #30 EC 2/26/45 146 U BA-103690 MAR. 45 ISS 1			TRANSFORMER PRI (1-2): 230 TURNS 0.0071 E WIRE, 18 OHMS DC RES. SEC #1 CONSISTS OF TWO COILS. EACH 4035 TURNS 0.0025 E WIRE, 2220 OHMS DC RES. CONNECTED IN SERIES. SEC #2: 470 TURNS 0.0031 E WIRE, 170 OHMS DC RES. HI-POTENTIAL VOLTAGE. ALL 2/27/45 901787-501 CRV:K-901787 MAR. 45 SUB 0			TRANSFORMER PRI. (1-3): 1956 TURNS 0.008E WIRE, CT (TERM. 2). 136 OHMS DC RES. SEC #1 (4-5): 2410.5 TURNS 0.0045E WIRE, 615 OHMS DC RES. SEC #2 (6-7): 80 TURNS 0.0113E WIRE, 3.3 OHMS DC RES. HI-POTENTIAL: 1500 VOLTS - ALL WINDINGS. PRI. 2/27/45 901821-501 CRV:K-901821 MAR. 45 SUB 1		
WIRE/270 TURNS #30 EC CW-301841			CRV-301844			CRV-301849		
WIRE, WOUND AS TWISTED PAIR, EACH 7.7Ω DC RES. MIDDLE WINDINGS (1-2)(5-6): 270 TURNS #30 EC WIRE/270 TURNS #30 EC WIRE WOUND AS TWISTED PAIR, EACH 9.1 OHMS DC RES. OUTER WINDINGS (A-A')(B-B'): 45 TURNS #30 EC WIRE/45 TURNS #30 EC WIRE, WOUND AS TWISTED PAIR; NO EXTERNAL CONNECTIONS. ELECTROSTATIC SHIELD BETWEEN INNER & MIDDLE WINDINGS TERMINATED AT "S			WINDINGS: 500V. HERMETICALLY SEALED AND POTTED IN A METAL CASE.			IMPEDANCE 2800 OHMS MIN. AT 30V, 60 CPS, 0.06 AMP DC IN TOTAL WINDING. INDUCTANCE AT 6 & 7. WITH 1.3, 4 & 5 SHORT-CIRCUITED NOT TO EXCEED 0.003 HENRY AT 3V, 1000 CPS. HERMETICALLY SEALED & POTTED IN METAL CASE.		
CW-301841-A UF			CRV-301845 MAR		RE13A553B	CW-301850 WFA		RE13A553B
REPEATING COIL TOROIDAL WINDINGS. WOUND ON PERMALLOY CORE & POTTED IN METAL CASE WITH A 0.06-0.09 MFD CAPACITOR. IMPEDANCE RATIO 600:600 OHMS BETWEEN (1-2)(5-6) & (3-4)(7-8). FREQ. RANGE 4-31 KC. INNER WINDINGS (3-4)(7-8) 270 TURNS OF #30E WIRE/ 4/7/45 D-170018 BA-103690-2 JUN. 45 ISS. 3			TRANSFORMER PRI: 1050 TURNS 0.004E WIRE, 98.5 OHMS DC RES. SEC: 2100 TURNS 0.004E WIRE, 217 OHMS DC RES. SEC. INDUCTANCE 1.31 HENRIES 25% AT 1 VOLT. 1000 CPS, & 0 AMP. DC. HI-POTENTIAL VOLTAGE: 1000V. HERMETICALLY SEALED & POTTED IN METAL CASE. 2/27/45 901788-501 CRV:K-901788 MAR. 45 SUB 2			INPUT TRANSFORMER IMPEDANCE RATIO (1-2)(3-4): (5-6) IS 40: 10,000 OHMS. PRI (1-2) & PRI (3-4): EACH 100 TURNS #28 EN WIRE, 2.0 OHMS DC RES. INDUCTANCE FOR PRI #1 & #2: 0.08 HENRIES MAX. TO 0.0008 MIN. SEC (5-6): 3250 TURNS #40 EN WIRE, 1400 OHMS DC RES. 2/27/45 KS-9733 CBM:V-1000A-175 MAR. 45 ALT 0		
270 TURNS #30EC WIRE CW-301841-A			CRV-301846 MAR		RE13A553B	CW-301850		
WOUND AS TWISTED PAIR, EACH 7.7Ω DC RES. MIDDLE WINDINGS (1-2)(5-6) 270 TURNS #30 EC WIRE/270 TURNS #30EC WIRE WOUND AS TWISTED PAIR, EACH 9.1 OHMS DC RES. OUTER WINDING (A-A')(B-B') 45 TURNS #30EC WIRE/45 TURNS #30EC WIRE, WOUND AS TWISTED PAIR, NO EXTERNAL CONNECTIONS. ELECTROSTATIC SHIELD, SAME AS -301841 EXCEPT MOISTURE & FUNGUS RESISTANT.			TRANSFORMER PRI: 272 TURNS 0.0071E WIRE, 14 OHMS DC RES. SEC #1: 760 TURNS 0.0045E WIRE, 84 OHMS DC RES. SEC #2: 638 TURNS 0.0045E WIRE, 80 OHMS DC RES. HI-POTENTIAL: 500 VOLTS - ALL WINDINGS. CORE STACKING ADJUSTED TO GET 340 OHMS PRI. IMPEDANCE 2/27/45 901791-501 CRV:K-901791 MAR. 45 SUB 2			INSULATION RESISTANCE: 500 MEGOHMS. ELECTROSTATIC SHIELD BETWEEN PRI. & SEC. ATTACHED TO TERMINALS S1 & S2.		
CW-301842 UF			CRV-301847 MAR		RE13A553B	CRP-301851 QBE-2		
INDUCTION COIL MOISTURE RESISTANT & FUNGUS PROOF. WOUND ON SILICON-STEEL CLOSED TYPE CORE & POTTED IN METAL CASE LINED WITH STEEL FOR CROSS TALK SHIELDING. PURPOSES WINDING (1-A): ENOUGH TURNS WOUND NON-INDUCTIVELY TO ENABLE (1-2) TO MEET ITS TOTAL DC 2/26/45 D-162927A BA-103662 MAR. 45 ISS 1			TRANSFORMER PRI: 559 TURNS 0.0045E WIRE, 56.9 OHMS DC RES. SEC: 559 TURNS 0.0071E WIRE, 16.5 OHMS DC RES. PRI. INDUCTANCE: 0.18 HENRIES MIN. AT 1 VOLT. 1000 CPS, 0 AMP. DC. HERMETICALLY SEALED & POTTED IN METAL CASE. 2/27/45 901814-501 CRV:K-901814 MAR. 45 SUB 1			AUTO TRANSFORMER PRI. RATED 120/1/60: 1.0 AMPS, 480 TURNS OF #22 E WIRE, 4.5 OHMS DC RES, 1740 RMS FOR ONE MINUTE. SEC: 70V, 60 CYCLES, 1.0 AMPS, 280 1/2 TURNS OF #22 E WIRE, 2.63 OHMS DC RES. 1180 RMS FOR ONE MINUTE. HERMETICALLY SEALED. 2/28/45 U-7403 CBM:U-1000A-46 MAR. 45 CBM:932-70 ALT 1		
RES. REQUIREMENT, #36 OS WIRE, (A-2'): 420 TURNS #34 E WIRE. TOTAL DC RES. FOR (1-2) IS 485 OHMS. (2-3): 610 TURNS #28 E WIRE, 9.3 OHMS DC RES. SEC (4-5): 228 TURNS #26 E WIRE, 1.7 OHMS DC RES. USED IN OPERATORS' TELEPHONE CIRCUITS IN CONJUNCTION WITH 600 OHM LINE.			CRV-301848 MAR		RE13A553B	CRP-301852 QBE-3a		
CW-301842			TRANSFORMER PRI: 559 TURNS 0.0045E WIRE, 56.9 OHMS DC RES. SEC: 559 TURNS 0.0071E WIRE, 16.5 OHMS DC RES. PRI. INDUCTANCE: 0.18 HENRIES MIN. AT 1 VOLT. 1000 CPS, 0 AMP. DC. HERMETICALLY SEALED & POTTED IN METAL CASE. 2/27/45 901814-501 CRV:K-901814 MAR. 45 SUB 1			TRANSFORMER PRI: 471/60, 0.3 WATTS CONSISTS OF 500 TURNS OF 40 E WIRE, 165 OHMS DC RES. SEC. 60 CYCLES, 0.004 AMPS, CONSISTS OF 8000 TURNS OF 40 E WIRE, 3300 OHMS DC RES. HERMETICALLY SEALED. 2/28/45 U-7432 CBM:932-78 MAR. 45 CBM:932-78		
CW-301843 UF			CRV-301848 MAR		RE13A553B	CDD-301853 SO-1		
REPEATING COIL MOISTURE RES POTTED IN METAL CASE. ELECT SHIELD BETWEEN PRI & SEC ATTACHED TO TERM'S., PRI (1-2)(3-4) APPROX 550T #26EN WIRE EA. TOT. DC RES. WITH TERM 2 & 4 CONN., 27Ω. WND. AS PARALLEL PR. SEC (6-7)(8-9) APPROX 160T #26EN WIRE EA. 2/26/45 D-168493 BA-103798 JUN. 45			OUTPUT FILTER TRANSFORMER CONSISTS OF 3 COILS, EACH WITH A 5100 MMF CAPACITOR CONNECTED IN PARALLEL. COIL #1: 3400 TURNS 0.0035 H.F. WIRE, 428 OHMS DC RES. COIL #2: WINDINGS 1/2/3: 560 TURNS 0.0056E WIRE, 36 OHMS DC RES/258 TURNS 0.0045E WIRE, 29 OHMS DC 2/27/45 901816-501 CRV:K-901816 MAR. 45 SUB 1			RELAY COIL SOLENOID TYPE. 12, 400 TURNS #28 WIRE WITH 525 OHMS DC RESISTANCE. 2/27/45 CRY59 CRP:4J19 MAR. 45		
TOT. DC RES. WITH TERM 7 & CW-301843			CRV-301848			CDD-301854 SO-1		
9 CONN., 5Ω. WND. AS PARALLEL PR. SEC (9-10)(5-6) APPROX 340T #26EN WIRE EA. TOT. DC RES. TERM. 6 & 10 CONN., 12Ω. WND AS PARALLEL PR. IMP. RATIO AT FREQ. RANGE (1-2)(3-4)(5-7)(9-10):600:500Ω 165 CPS-16KC. IMP. RATIO (1-2)(3-4)(6-7): 500:50 Ω, 160 CPS-10KC. IMP. RATIO (1-2)(3-4)(5-6)(9-10) IS 600:235Ω AT 180 CPS-10KC.			RES/2180 TURNS 0.0035E WIRE, 448 OHMS DC RES. COIL #3: 5500 TURNS 0.0028 H.F. WIRE, 1102 OHMS DC RES. HI-POTENTIAL. COILS TO CORES BEFORE ASSEMBLING, 1500 VOLTS. HERMETICALLY SEALED AND POTTED IN A METAL CASE. 2/27/45 CRY 188 CRP:4J20 MAR. 45			RELAY COIL SOLENOID TYPE. 12,000 TURNS #30 WIRE WITH 675 OHMS DC RESISTANCE.		

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CRP-301855	QBE-3	TRANSFORMER PRI: RATIO 115/1/60; 3.5 VA. CONSISTS OF 1570 TURNS OF 36 E WIRE, 213 OHMS DC RES. SEC: 1/2; 300V/300V; 0.005A/0.005A; 4100/4100 TURNS OF #41E/#41E WIRE, 2130/2130 OHMS DC RES. ELECTROSTATIC SHIELD. ENCLOSED IN CAN. 2/28/45 U-7431A OL-74-1010 MAR. 45 CBM:926-61 ALT 1	CRP-301860	SO-4	PLATE TRANSFORMER: PRIM: 216 TURNS #16E WIRE, TAPPED AT 33 TURNS, 0.77 OHMS DC, 115/1/60, 2 AMPS .23 KVA. SEC: 1-A; 4940 TURNS #34E WIRE, 1550 OHMS DC, 5900 VOLTS, 0.0376 AMPS. SEC: 1-B 4940 TURNS #34E WIRE, 1550 OHMS DC, 5000 VOLTS, 0.041 AMPS. TOTAL 3/2/45 UX-9223A DV92-638-3 MAR. 45 REV. 10	CRP-301865	SO-4	REACTOR: 0.030 HENRIES AT 6/1/120 WITH 2.0 AMPS DC 160 TURNS #17E WIRE, 0.45 OHMS DC RES. 3/2/45 UX-9116 DV92-755-1 MAR. 45 REV 2
CRP-301856	QBE-3	TRANSFORMER PRI: 110/1/60; 1.3VA, 0.012 AMPS. CONSISTS OF 1500 1/2 TURNS OF #38 E WIRE, 1275 VOLTS TO GRD. SEC: 110 VOLTS, 0.01 AMPS, CONSISTS 1650 1/2 TURNS OF #38 E WIRE, 420 OHMS DC RES. 1275 VOLTS TO GRD. HERMETICALLY SEALED. 2/28/45 U-6440 DL-74-797 MAR. 45 CBM:926-53 ALT 1	CRP-301860	SO-4	VOLTAGE OF SECONDARY WINDINGS 1A & 1B IS 5900V. WHEN WHOLE PRI. IS USED. WHEN TAP ON PRI. IS USED, THE TOTAL VOLTAGE OF SECS. IS 5000. ELECTROSTATIC SHIELD GROUNDED. HERMETICALLY SEALED.	CRP-301866	SO-4	DUAL CHOKE ASSEMBLY: 2 SECTIONS; SECTION #1 RATED 7 HENRIES AT 6/1/120 WITH 75 MILLIAMPS DC. 3050 TURNS #32E WIRE, 220 OHMS DC. SECTION #2 RATED 11 HENRIES AT 6/1/120 WITH 60 MILLIAMPS DC, 4000 TURNS #33E WIRE, 350 OHMS DC. HERMETICALLY SEALED. 3/2/45 WX-5141 DV92-801-1 MAR. 45 REV 2
CUT-301857	QBE-1	TRANSFORMER, OUTPUT PRI: IMPEDANCE OF 5000 OHMS, 6 WATTS, 0.047 AMPS, 2800 TURNS OF #32 E WIRE. SEC 1: IMPEDANCE OF 500 OHMS, 876 TURNS OF #31 E WIRE, C.T. SEC 2: 2 COILS IN PARALLEL EACH HAVE IMPEDANCE OF 6 OHMS EACH CONSISTS OF 96 TURNS OF #21 E WIRE. 2/22/45 71432 CBM:1000A-101 MAR. 45 CBM:369-156 ALT 2	CRP-301861	SO-3	PLATE & FILAMENT TRANSFORMER: PRI: 330 TURNS #25E WIRE 2.94 OHMS DC, 115/1/400 0.463 AMPS 0.0532 KVA. SEC #1: 2740 TURNS #35E WIRE 210 OHMS DC, 900V. C.T. 0.067 AMPS. SEC #2: 15 TURNS #15E WIRE 0.0218 OHMS DC 5V. 3 AMPS. ELECTROSTATIC SHIELD DOUBLE GROUNDED. HERMET- 3/2/45 UX-8855C DL74-1025 MAR. 45 REV. 4	CRP-301867	SO-4	REACTOR: RATED 25 HENRIES AT 6/1/120 WITH 65 MILLIAMPS DC, 4200 TURNS #32E WIRE, 400 OHMS DC. HERMETICALLY SEALED. 3/2/45 UX-9110 DV-92603-2 MAR. 45 REV 3
CRP-301858	QBE-1	TRANSFORMER FILAMENT PRI: 115/1/60; 105 WATTS, 212 TURNS OF 22 E WIRE, 2.13 OHMS DC RES. 1600V RMS. SEC: 1/2/3/4/5; 6.3/5/5/10/2.5 VOLTS, 1/3/3/3.25/110 AMPS, 13/10/10/20/5 TURNS OF 28/18/18/13/12 E WIRE, 0.162/0.043/0.048/0.014/0.006 OHMS, 2700/2700/2700/ 2/28/45 T47109 CBM:1000A-43 MAR. 45 CBM:895-141 ALT 3	CRP-301861	SO-4	HERMETICALLY SEALED.	CRP-301868	SO-4	REACTOR: RATED 8.5 HENRIES AT 750/1/120 WITH 0.125 AMPS DC, 2800 TURNS #30E WIRE, 140 OHMS DC. HERMETICALLY SEALED. 3/2/45 UX-9119 DV92-466-3 MAR. 45 REV 11
CRP-301858	QBE-1	2700/6000 VOLTS TO GRD. ENCLOSED IN CAN.	CRP-301862	SO, SOA	FILAMENT TRANSFORMER: PRI: 350 TURNS #28E WIRE, 9.4 OHMS DC MAX. 115/1/400 0.22 AMPS 0.025 KVA. SEC: 19 TURNS #16E WIRE 0.045 OHMS DC MAX. 6 VOLTS 3.7 AMPS. ELECTROSTATIC SHIELD GROUNDED. HERMETICALLY SEALED. 3/2/45 UX-8306A DL74-865 MAR. 45 REV 4	CW-301869	WCA	RETARDATION COIL: MINIMUM INDUCTANCE 2 HENRIES AT 3 VOLTS 60 CYCLES WITH 50 MILLIAMPS DC, 1700 TURNS OF #30E WIRE, 70 OHMS DC RESISTANCE. DIELECTRIC STRENGTH TEST 500 VOLTS 15 TO 65 CPS COPPER OR BRASS CAN PHEVOL CBM:1000A-37 3/1/45 CW-D-156550 55RE20J1026 MAR. 45 CBM:760-26 PT. NO. 760-26
CRP-301859	QBE-1	POWER TRANSFORMER: PRI: 115/1/60; 110 WATTS, 248 TURNS OF #20E WIRE, 1.95 OHMS DC RES. 1600 VOLTS TO GRD. SEC: 1/2/3/4/5; 303/6.3/6.3/5V .105/-3/4/2 AMPS; 1344/15/12/15/12 TURNS OF 30/15/17/16/19E WIRE; 1.04/0.044/0.055/0.058/0.09 OHMS DC RES. 2706/1600 3/1/45 T-46736 CBM:1000A MAR. 45 CBM:869-68 ALT 3	CAVM-301863	M8M	TRANSFORMER: OPERATES FROM 8000 OHMS TO 600 OHMS. RATIO OF PRI TURNS TO SEC 3.6:1. PRI CONSISTS OF 2510 TURNS OF #39E WIRE. SEC CONSISTS OF 690 TURNS #35E WIRE. FREQUENCY RESPONSE OF ±10%. FROM 200 TO 5000 CYCLES/SEC. ±2 DB AT 200 CPS. 3/2/45 1017 MAR. 45	CW-301869	WCA	FIBRE COVER HAS 2 FLEXIBLE LEADS 24" MIN. LENGTH. IRON CORE MATERIAL.
CRP-301859	QBE-1	1600/2700 VOLTS TO GRD. SEC #1 TAPPED AT 496 AND 672 TURNS. SEC #2 TAPPED AT 4 1/2, 7 1/2, 10 1/2 TURNS; SEC #4 TAPPED AT 7 1/2 TURNS. ENCLOSED IN CAN.	CRP-301864	SO-4	PULSE TRANSFORMER: OPERATION FROM 50 OHMS TO 70 OHMS. TURNS RATIO, 30.75:1 PRIM #1: SEC #1, 2.0A:1. PRIM #2: SEC. #2. PRI: 61 1/2 TURNS #28 HF WIRE, 1.00 OHMS DC. SEC #1 2 TURNS 21.02 X .077 HF WIRE, .003 OHMS DC. SEC #2 17 1/2 TURNS 2 X 22E WIRE, 0.014 3/2/45 WX-5782A DV92-1004-2 MAR. 45 REV 4	CW-301870	WCA	RETARDATION COIL: MINIMUM INDUCTANCE 160 HENRIES AT 3 VOLTS 200 CYCLES WITH 5 MILLIAMPS DC, 14,500 TURNS OF #40E WIRE, 6500 OHMS DC RES., DIELECTRIC STRENGTH TEST 500 VOLTS, 15 TO 65 CPS COPPER OR BRASS CAN AND COVER. CBM:1000A-35 3/1/45 CW-D-156551 55RE20J1026 MAR. 45 CBM:760-25A PT. NO. 760-25A
CRP-301859	QBE-1	1600/2700 VOLTS TO GRD. SEC #1 TAPPED AT 496 AND 672 TURNS. SEC #2 TAPPED AT 4 1/2, 7 1/2, 10 1/2 TURNS; SEC #4 TAPPED AT 7 1/2 TURNS. ENCLOSED IN CAN.	CRP-301864	SO-4	OHMS DC. PRIMARY IMPEDANCE AT -3.5 KILOVOLTS 465 CYCLES TO BE 50 OHMS. HERMETICALLY SEALED.	CW-301871	WCA	RETARDATION COIL: MINIMUM INDUCTANCE 5 HENRIES AT 3 VOLTS 200 CYCLES WITH 45 MILLIAMPS DC, 2930 TURNS OF #32E WIRE, 200 OHMS DC RES., DIELECTRIC STRENGTH TEST 500 VOLTS 50 TO 65 CPS COPPER OR BRASS CAN PHEVOL FIBRE CBM:1000A-36 3/1/45 CW-D-156551 55RE20J1026 MAR. 45 CBM:760-249 PT. NO. 760-24

Class 30—Transformers and Reactors

3.30-105

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CW-301871
COVER. HAS 2 FLEXIBLE LEADS 24" MIN. LENGTH. IRON CORE MATERIAL.

-301876
27/0.023/0.05/0.10 OHMS DC RESISTANCE. TEST VOLTAGE 2500/1780/2500/3500 RMS.

CRP-301881 WCA
DRIVER TRANSFORMER
PRIMARY CONSISTS OF 4 COILS CONNECTED IN SERIES, IMPEDANCE 8500 OHMS TAPPED AT 6800 OHMS, 400 TURNS OF #26 SCE WIRE, 7.6 OHMS DC RESISTANCE, TEST VOLTAGE 3500 RMS; SECONDARY, CONSIST OF 2 COILS CONNECTED IN SERIES, IMPEDANCE 425 OHMS 3/3/45 CRP:U-8269 CBM:1000A-179
MAR. 45 CBM:938-12 ALT 0

CAVM-301872 MBM
REACTOR:
RATED AT 4 HENRIES AT 10V, 60 CYCLES/SECOND WITH 0.10 AMPS DC, COIL CONSISTS OF 1950 TURNS OF #28E WIRE OF 66 OHMS DC RESISTANCE.

-301877 WCA
PLATE & FILAMENT TRANSFORMER:
PRIMARY RATED 115/1/60, 142.7 WATTS, 206 TURNS OF #20E WIRE, 1.7 OHMS DC RESISTANCE, TEST VOLTAGE 1730 RMS; SEC #1/#2/#3 RATED 350CT/6.3CT/6.3CT VOLTS AT 0.34/3/3 AMPS, 690CT/12CT/12CT TURNS OF #25E/15E/15E WIRE, 22/0.042/3/3/45 CRP:U-6321 CBM:803-301
MAR. 45 CBM:803-301 ALT 0

TAPPED AT 340 OHMS, 104 -301891
TURNS OF #25 SCE WIRE, 1.5 OHMS DC RESISTANCE, TEST VOLTAGE 1730 RMS; TURNS RATIO 4.25:1; FREQ. 20-30 KC. HERMETICALLY SEALED.

3/2/45 75
MAR. 45

CVM-301873 MBM
TRANSFORMER, POWER:
PRI. RATED 100/115/125/170/190/210/225V AT 50 TO 60 CYCLES, CONSISTS OF 350/53/35/157/70/70/55 TURNS OF #22E/22E/22E/25E/25E/25E/25E WIRE. SEC. CONSISTS OF 9.2V AT 7.5 AMPS CONSISTS OF 34 TURNS OF 12E WIRE.
3/2/45 1016
MAR. 45

-301877
0.047 OHMS DC RESISTANCE. HERMETICALLY SEALED.

CTH-301882 QBE-2
AUDIO CHOKER
COIL RATED 12 HENRIES INDUCTANCE, 100MA, CONSISTS OF 4000 TURNS OF #33 E WIRE, 350 OHMS DC RES.

CBM-301874 WCA
MODULATOR TRANSFORMER:
PRIMARY RATED INDUCTANCE 90.79 MILLIHENRIES AT 1000 CYCLES IN AIR, 2050 TURNS OF 3 X 40 LITZ WIRE, 215 OHMS DC RES. SEC #1 & #2 CONNECTED IN SERIES, EACH INDUCTANCE 29.9 MILLIHENRIES AT 7 MILLIAMPS, 225 TURNS OF 3 X 40 LITZ WIRE, 30
3/3/45 803-3009 CBM:U803-3009
MAR. 45 ALT 1

CUT 301878 WCA
OUTPUT TRANSFORMER
OPERATION FROM 8800 OHMS TO 100 OHMS AT 100 WATTS, FREQ. RESP. 17000 CYCLES TO 30000 CYCLES, PRIMARY INDUCTANCE 0.2 HENRIES AT 300 VOLTS, 1600 TURNS CT OF #30 E WIRE, 100 OHMS DC RESISTANCE, 1500V TO GROUND, SECONDARY INDUCTANCE 0.002
3/3/45 CUT:64087 CBM:U1000A-21
MAR. 45 CBM:803-326 ALT 0

3/5/45 CTH:T47107 CBM:895-139
MAR. 45 CBM:895-139

CTH-301883 QBE-2
AUDIO CHOKER
COIL RATED 12 HENRIES INDUCTANCE, 200MA, CONSISTS OF 4000 TURNS OF #29 E WIRE, 208 OHMS DC RES.

3/5/45 CTH:T47106 CBM:1000A-41
MAR. 45 CBM:395-138 ALT 1

CBM-301874
OHMS DC RESISTANCE, MOUNTED IN CAN, FILLED WITH COMPOUND.

-301878
HENRIES, 168 TURNS OF #20 E WIRE, 1 OHM DC RESISTANCE, 1000V TO GROUND, HERMETICALLY SEALED.

CBM-301884 WCA-2
OUTPUT TRANSFORMER
PRIMARY RATED 7.3 VOLTS, INDUCTANCE 365-520 MILLIHENRIES, CT, 95 M.H. BETWEEN TAPS, 590 TURNS OF #28 SCE WIRE, 20 OHMS DC RESISTANCE; SEC #1 AND #2 EACH RATED INDUCTANCE 2.4 MILLIHENRIES, 41 TURNS OF 20 SCE WIRE, 0.20 OHMS DC RESISTANCE,
3/7/45 CBM:336R23 CBM:336-119
MAR. 45 336APE ALT 0

CRP-301875 WCA
PLATE TRANSFORMER:
PRIMARY RATED 115/1/60, 510 WATTS, 130 TURNS OF #15E WIRE, 0.44 OHMS DC RESISTANCE, TEST VOLTAGE 1730 RMS; SECONDARY CENTER TAPPED, 2020 VOLTS, 0.25 AMPS, 2420 TURNS OF #26E WIRE, 138 OHMS DC RESISTANCE, TEST VOLTAGE 3500 RMS.
3/3/45 CRP:U6319 CBM:803-303
MAR. 45 CBM:803-303 ALT 0

CW-301879 WCA
RETARDATION COIL
INDUCTANCE 13 HENRIES AT 3 VOLTS 60 CYCLES, 4600 TURNS OF #29 E WIRE, 250 OHMS DC RESISTANCE, IRON CORE MATERIAL, MOUNTED IN STEEL CAN WITH FIBRE COVER
CBM:1000A-38
#55R20J 1026 PT. 760-4
3/3/45 CW:0-160521 CBM:760A SH 2
MAR. 45 CBM:760-4 ALT 0 *

CBM-301884
MOUNTED IN CAN FILLED WITH CASTOR OIL.

CRP-301875
HERMETICALLY SEALED.

CW-301879
DIELECTRIC STRENGTH TEST 500 VOLTS, 15 TO 65 CPS. HAS SOLDER LUG TERMINALS.

CRP-301885 SO-4
REACTOR
RATED 25 HENRIES AT 15/1/60 WITH 30 MILLIAMPS DC, 6200 TURNS #35E WIRE, 740 OHMS DC. HERMETICALLY SEALED.

3/2/45 UX-9118 DU92-725-2
MAR. 45 REV 6

-301876 WCA
PLATE AND FIL. TRANSFORMER:
PRIMARY RATED 115/1/60, 153.5 WATTS, 258 TURNS OF #20E WIRE, 2.0 OHMS DC RESISTANCE, 1780 TEST VOLTS RMS; SEC #1/#2/#3/#4 RATED 820CT/5CT/5CT/2.5CT VOLTS AT 0.1/5/3/10 AMPS, 1950CT/12CT/12CT/6CT TURNS OF #26E/2G15/15E/2G13 WIRE,
3/3/45 CRP:U6320 CBM:803-305
MAR. 45 CBM:803-305 ALT 0

CW-301880 WCA
INPUT TRANSFORMER
PRIMARY INDUCTANCE 1.9 HENRIES AT 60 CYCLES, 3 VOLTS, 250 TURNS OF #35 E WIRE, 15.9 OHMS DC RESISTANCE, SECONDARY 9630 TURNS OF #40 E WIRE, 4350 OHMS DC RESISTANCE, SOLDERED IN CAN.
3/3/45 CW:D-157365 CBM:755A & B
MAR. 45 CBM:755-192A SH 18

CRP-301886 SO-4
FILAMENT TRANSFORMER
PRI: 307 TURNS #23E WIRE 3.10 OHMS DC, 115/1/60 0.43 AMPS 55VA, SEC #1: 14 TURNS # 12 E WIRE 0.0175 OHMS DC 5/1/60 6.50 AMPS CENTER TAPPED SEC #2: 14 TURNS #15 E WIRE 0.035 OHMS DC 5/1/60 3.25 AMPS CENTER TAPPED HERMETICALLY SEALED.
3/3/45 UX-7469-D #92-1041-2
MAR. 45 REV 5

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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RESTRICTED

NAVSHIPS 900,109

3.30-106

Class 30—Transformers and Reactors

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CRP-301896
ELECTROSTATIC SHIELD GROUNDED.

CRP-301892
GROUNDED. HERMETICALLY SEALED.

301897 UL RE 13A847
TRANSFORMER, H.V.
PRI. TAPPED AT 99V. SEC CENTER TAPPED -
RATED 5520V 10 MA CONTINUOUS AT .93 PF =
5520V. HERMETICALLY SEALED.
4 13/16" HIGH X 4 1/4" WIDE X 4 1/4"
DEEP.

3/8/45 CMM:6516
MAR. 45

CRP-301887 SO 50a
INTERSTAGE TRANSFORMER
IMPEDANCE 50 OHMS. TURNS RATIO PRI TO
SEC. 1:1. PRI: 13 TURNS 0.02 X 0.07 FLAT
WIRE 0.045 OHMS DC RES. 50 OHMS IMPEDANCE
SEC: 13 TURNS 0.02 X 0.07 FLAT WIRE
0.045 OHMS DC RES 50 OHMS IMPEDANCE.

3/3/45 UX-8442 DL74-863
MAR. 45 REV 5

301893 WCA
CHOKE ASSEMBLY
CONSISTS OF 4 CHOKES - 2 SMOOTHING, 2
SMIRGING. CRP SPEC. NOS. U6322/6323/6324
/6325 RATED INDUCTANCE 26.7-5.4/9/24.5-
5/8.4 HENRIES AT 0.033-0.33/0.33/0.014-
0.138/0.138 DC AMP: 2200/2200/2750/2750
TURNS OF 25F/25F/26E/26E WIRE, 80/30/100
3/5/45 CRP:M-1887 CBM:303-302
MAR. 45 CBM:303-302 ALT 0

CMM-301898 UL
TRANSFORMER, L.V.
PRI RATED 99/193V 50 CYCLES SINGLE PHASE.
SEC #1 RATED 5V, 2A. CENTER TAPPED, 6.3V,
6A, SEC #2 RATED 2.5V, 3.5A 970V-125MA
CT. HERMETICALLY SEALED. 4 13/16 LONG X
4 1/8 WIDE X 4 3/4 HIGH.

3/8/45 CMM:6470
MAR. 45

CRP-301899 SO-4
PLATE TRANSFORMER
PRI: 1500 TURNS #36 E WIRE 185 OHMS DC
115/1/60 0.035 AMPS 4 VA SEC: 6574 TURNS
#40 E WIRE 2700 OHMS DC 485/1/60 0.005
AMPS CENTER TAPPED. HERMETICALLY SEALED.
ELECTROSTATIC SHIELD GROUNDED.

3/3/45 UX-9201B DU92-959-1
MAR. 45 REV 3

301893
/100 OHMS DC RESISTANCE.

CMM-301899 UL
TRANSFORMER FILAMENT
PRI 99/193V, 60 CYCLE SINGLE PHASE, SEC
10V 10 AMPS, CT. CAP. OF SEC. TO CASE,
150 MHFD MAX, CAP. OF PRI. 150 MHFD MAX.
6 1/2" LONG X 5" WIDE X 5" HIGH.

3/8/45 CMM:6240
MAR. 45

CRP-301899 SO-4
FILAMENT TRANSFORMER
PRI: 596 TURNS #26E WIRE 10.1 OHMS DC.
115/1/60 0.37 AMPS 42.7 V.A SEC: 36
TURNS #14 EN WIRE 0.051 OHMS DC 6.3/1/60
6.1 AMPS ELECTROSTATIC SHIELD GROUNDED.
HERMETICALLY SEALED.

3/3/45 UX-9225-A DV92-1008-1
MAR. 45 REV 1

CG-301894 SP-1H
VOLTAGE REGULATOR ASSEMBLY
RATED 0.568KVA AT 115 VOLTS, 60 CPS.
PRIMARY: 105.5 TO 126.5 VOLTS AC, 60
CPS. SECONDARY: 88 VOLTS MIN. TO 135
VOLTS MAX. 16 AMPS. INCLUDES NAVY TYPE
-211453 AC INDUCTION MOTOR, 180° ROTATION
OF ROTOR: COUNTERCLOCKWISE ROTATION
3/5/45 8376725 CG:M-8376725
MAR. 45 REV 1

CMM-301900 UL
CHOKE FILTER
INDUCTANCE 15 HENRIES MAX CURRENT RATING
165 MA. 130 OHMS DC RESISTANCE. IN-
SULATION 1000V. MTG: 3 5/15" LONG X 2"
WIDE. OVERALL: 3 5/8" LONG X 3 1/2" WIDE
X 3 3/8" HIGH.

3/8/45 CMM:6422
MAR. 45

CTH-301890 SP-1H
FILTER REACTOR
RATED 12 HENRIES AT 10 VOLTS, 60 CYCLES,
80 MA DC. 400 VOLTS, 0.09 AMPS RMS AT 60
CYCLES. 4000 TURNS #34 E WIRE. 410 OHMS
DC RES; 1600 VOLTS TO GROUND. CORE
MATERIAL IS 0.014 AUDIO C AAS.
HERMETICALLY SEALED.
3/3/45 T-48552 CTH:T-48552
MAR. 45

CG-301894
RAISES VOLTAGE.

CTH-301901 QBE-2
AUDIO CHOKE
COIL RATED 10 HENRIES INDUCTANCE, 55 MA;
3340 TURNS OF 35E WIRE, 350 OHMS DC RES.

3/5/45 CTH:T47110 CBM:895-140
MAR. 45 CBM:895-140

CRP-301891 SO-4
PULSE TRANSFORMER
OPERATION FROM 100 TO 400 OHMS WINDING
A: 60 TURNS #34 E WIRE 3.1 OHMS DC. 1000
RMS TEST WINDING B: 60 TURNS #34 E WIRE
3.2 OHMS DC. 1000 RMS TEST WINDING C:
60 TURNS #34 E WIRE 3.3 OHMS DC. 1000
RMS TEST. OPERATES UP TO 1000 PULSES PER
3/5/45 UX-9200A DL-74-1110
MAR. 45 REV 1

CW-301895 WCA
POWER TRANSFORMER
PRI #1/2 TAPPED TERM. 2 & 3/6 & 7.
COHN. (IN PARALLEL) AT TERM. 3 & 7 & 1 &
5. 130 WATTS, 7.80/8.75 OHMS DC RES,
EACH RATED 125/1/60, 0.55 AMPS, 380
TURNS OF #25 E WIRE; SEC #1/2/3 RATED
720CT/5/6.5CT VOLTS AT 70 MA/3A/3.5A,
3/5/45 D-156575 56RE20J1026
MAR. 45

CTH-301902 QBE
TRANSFORMER
PRI: 0.75V/1000 CPS, 17 TURNS OF 16 E
WIRE, LESS THAN 0.1 OHMS DC RES. 1600
VOLTS TO GRD. SEC: 900 VOLTS/1000 CPS,
CONSISTS OF 18000 TURNS OF 42 E WIRE,
7500 OHMS DC RES.

3/5/45 CTH:T-46648 CBM:1000A-11
MAR. 45 CBM:884-161 ALT 0

CRP-301891
SECOND.

2460 CW-301895
CT/16/21CT TURNS OF #33E/2-419E/2-419E
WIRE, 425/0.062/0.077 OHMS DC RES.

CBM-301903 MARK 39 MOD 0
TRANSFORMER (FILAMENT)
MARK 18 MOD 0: UNIT CONSISTS OF FILA-
MENT TRANSFORMER AND A JONES TERMINAL
STRIP MOUNTED ON A PLATE. TRANSFORMER
(CRP) RATED 23VA. PRIMARY 115V, 10. 60
CYCLES, 0.2 AMPS. SECONDARY #1: 6.3V, 2
AMPS CENTER TAPPED. SECONDARY #2: 6.3
3/5/45 1059
MAR. 45

CRP-301892 SO-4
FILAMENT TRANSFORMER
PRI: 855 TURNS #31 E WIRE 46.0 OHMS DC
115/1/60 0.160 AMPS 18.5 V.A. SEC #1:
108 TURNS #22 E WIRE 0.810 OHMS DC 12.6-
6.3/1/60 0.6/1.2 AMPS CENTER TAPPED #2:
54 TURNS 2 X 26 E WIRE 0.550 OHMS DC
6.3/1/60 0.65 AMPS. ELECTROSTATIC SHIELD
3/5/45 UX-9200A DU92-786-2
MAR. 45 SUB 3 REV 3

CKT-301896 UL
CHOKE FILTER
RATED 30 HENRIES, 25 MA 800 OHMS DC RES.
1000V INSULATION TEST.
MTG: LENGTH 2 7/32 X 1 9/16 WIDTH, OVER-
ALL: 2" WIDTH X 2 7/8" HEIGHT.

3/8/45 S20201
MAR. 45

CBM-301903
VOLTS, 1.2 AMPS, CENTER TAPPED. WINDING
DATA: PRIMARY 833 TURNS, 27 E WIRE, 17.6
OHMS MAXIMUM DC RESISTANCE. SECONDARY 1:
50/25 TURNS, 2 X 21 E WIRE, 0.197 OHMS
DC RESISTANCE; SECONDARY #2: 50/25 TURNS
20 E WIRE, 0.405 MAX DC RESISTANCE.

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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Class 30—Transformers and Reactors

3.30-107

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CTH-301904 QBE CHOKE RATED 12 HENRIES, 200 MA, CONSISTS OF 2600 TURNS OF #27 E WIRE, 120 OHMS DC RES.	3/5/45 T46735 MAR. 45 CBN:895-E4	CBM:1000A-9 ALT 2	CRV-301910 DC RESISTANCE; TRANSFORMERS #2 AND #3 EACH RATED PRIMARY 18,000 OHMS AT 30 VOLTS 60 CYCLES, 2000 TURNS OF #37 E WIRE, 280 OHMS DC RESISTANCE, SECONDARY 2000 TURNS OF #37 E WIRE, 347 OHMS DC RESISTANCE; SEALED IN CAN.			CKT-301915 150Ω DC RESISTANCE 275V DC TO GRD. SEC: #3 RATED 6.3V AC AT 6 AMPS, 18 TURNS OF #16E WIRE 0.032 DC RESISTANCE 6.3V AC TO GRD. SEC: #4 RATED 6.3V AC AT 0.6 AMPS, 18 TURNS OF #3 E WIRE 0.1Ω DC RESISTANCE 175V DC TO GRD. ELECTROSTATIC SHIELD BETWEEN PRI & SECONDARIES.		
CACU-301905 SO-S0a SOLENOID ASSEMBLY COIL RATED 24 VOLTS DC. HAS 2850 TURNS #28 WIRE WITH 45.9 OHMS +10 -5% DC RES; TEST VOLTAGE 1000 VOLTS RMS. SAME AS -301906 AND -301907 EXCEPT FOR COIL DATA. *U92-5135/G1 SUB 2 3/8/45 COIL: CRP: CRP:M-3B2-V321 G1 MAR. 45 TYPE UX7844 SUB J *			CKT-301911 SR RE13A553 TRANSFORMER, OUTPUT OPERATION FROM 3500 TO 1000 OHMS, PRI: AC IMPEDANCE GREATER THAN 8500 OHMS AT 40 VOLTS 60 CYCLES WITH 70 MA DC, 3600 TURNS #32 P.E. WIRE 330 OHMS DC RESISTANCE, SEC: 1920 TURNS #30 P.E. WIRE, 130 OHMS MAX DC RESISTANCE, TURNS RATIO 3/9/45 S-19936 CRV:M-433210 MAR. 45 SUB 1			CKT-301916 SR RE 13A 553 TRANSFORMER PRI: 115 VOLTS 60 CPS, 60 WATTS 420 TURNS #24 E WIRE, 5Ω DC RESISTANCE, SEC: #1/#2 RATED 6.3/110 VOLTS AC, 5.5/0.18 AMPS, 26/424 TURNS #14/#28 E WIRE 0.05/15 OHMS DC RESISTANCE, ELECTROSTATIC SHIELD BETWEEN PRIMARY AND SECONDARIES. 3/9/45 S-19941 CRV:K-886529 MAR. 45 SUB 2		
CACU-301906 SO-1 SOLENOID ASSEMBLY COIL RATED 115 VOLTS, DC. HAS 13,200 TURNS #34 WIRE WITH 757 OHMS +10 -5% DC RES. TEST VOLTAGE 1000 VOLTS RMS. SAME AS -301905 AND -301907 EXCEPT FOR COIL DATA. *U92-5135 G2 SUB 2 3/8/45 COIL: CRP: CRP:M-3B2-V321 G2 MAR. 45 TYPE UX7869 SUB J *			CKT-301911 FULL PRIMARY TO SECONDARY 1.88 TO 1. HERMETICALLY SEALED.			CKT-301916 HERMETICALLY SEALED.		
CACU-301907 SO-9 SOLENOID ASSEMBLY COIL RATED 32 VOLTS DC. HAS 4000 TURNS #29 WIRE WITH 69 OHMS +10 -5% DC RES. TEST VOLTAGE 1000 VOLTS RMS. SAME AS -301905 AND -301906 EXCEPT FOR COIL DATA. *U92-5135 G3 SUB 2 3/8/45 COIL: CRP: CRP:M-3B2-V321 G3 MAR. 45 TYPE UX 8677 SUB J *			CKT-301912 SR RE13A553 REACTOR RATED 6 HENRIES AT 80 MA DC, 2800 TURNS #34 E WIRE, 100 OHMS MAX. DC RESISTANCE, 1600V DC TEST VOLTAGE, HERMETICALLY SEALED. 3/9/45 S-20541 CRV:K-889017 MAR. 45 SUB 2			CRP-301917 SO-3 TRANSFORMER, PLATE & FILAMENT: PRI: 174 1/2 TURNS #22EN WIRE, 1.04 OHMS DC 115/1/400 1.033 AMPS 125VA. SEC #1: 1440 TURNS #29EN WIRE 57 OHMS DC RES. 900/1/400 0.145 AMPS CENTER TAPPED. SEC #2: 10 TURNS #22EN WIRE 0.115 OHMS DC RES 6.3/1/400 0.9 AMPS. SEC #3: 10 3/5/45 UX-8854C OL74-1017 MAR. 45 REV. 5		
CKT-301908 UL TRANSFORMER, MICROPHONE PRI. IMPEDANCE 400 OHMS TAPPED AT 300, 200, 100 & 50. SEC. IMPEDANCE 80,000 OHMS. MTG: 2 7/32" LONG X 2 7/16" WIDE, OVERALL: 2" WIDE X 2 7/8" HIGH. 3/8/45 S-20202 MAR. 45 MOD			CKT-301913 SR RE13A553 TRANSFORMER, POWER PRI: 115V 60 CPS AT 175 WATTS, 168 TURNS #19E WIRE 1 OHM DC RESISTANCE, SEC: #1/#2/#3/#4 RATED 270V DC/5V AC/6.3V AC/350V DC, 0.2/3/12/0.016 AMPS, 830/3/10/860 TURNS #27/#16E/#10CU/#38E WIRE, 38/0.1/0.1/520 OHMS DC RESISTANCE. 3/9/45 20036 CRV:M-433617 MAR. 45 SUB 2			CRP-301917 TURNS #24EN WIRE 0.197 OHMS DC RES 6.3/1/400 0.6 AMPS CENTER TAPPED, SEC #4: 10 TURNS #22EN WIRE 0.116 OHMS DC RES 6.3/1/400 0.9 AMPS, SEC #5: 8 TURNS 2 x 18EN WIRE 0.032 OHMS DC RES, 5.0/1/400 3.0 AMPS, ELECTROSTATIC SHIELD GROUNDED.		
CML-301909 QJA INPUT TRANSFORMER ASSEMBLY CONSISTS OF TRANSFORMER AND RETARDATION COILS. IMPEDANCE RATIO BETWEEN WINDINGS (1-2) AND (3-4) IS 329,000 TO 329,000 OHMS, OPEN CIRCUIT EFFECTIVE INDUCTANCE IS 47.34 HENRIES MINIMUM TO 57.86 HENRIES MAXIMUM WITH 3.0 VOLTS, 240 CPS ±2 3/2/45 CML:KS-9363 CW:ES0-656917 MAR. 45 ISSUE 7			CKT-301913 270V DC/270V DC/6.3V AC/350V DC TO GRD. SEC #1 & #4, CENTER TAPPED, ELECTROSTATIC SHIELD, INTERNALLY GROUNDED BETWEEN PRI AND SECONDARIES, HERMETICALLY SEALED.			CRP-301918 SO-4 TRANSFORMER: PRI: 625 TURNS #21E WIRE 3.55 OHMS DC 115V, 0.65 AMPS, SEC: 250 TURNS #17E WIRE 0.800 OHMS DC 42.5/38.5/33.5V, 2.00 AMPS, SECONDARY TAPPED AT 200 TURNS AND AT 225 WITH SIZE 18 WIRE, ELECTROSTATIC SHIELD GROUNDED, HERMETICALLY 3/5/45 UX-9248 DV92-1047-1 MAR. 45 REV. 1		
AND WITH OR WITHOUT 1 MA CML-301909 DC FLOWING THRU WINDING 2-A, TRANSFORMER PRIMARY (TERM 1-A) 2890 TURNS OF #39 GA WIRE 456 OHMS DC RESISTANCE, TRANSFORMER SECONDARY (TERM 3-4) 11920 TURNS OF 40 GAE WIRE 3820 OHMS DC RES, RETARDATION COIL (TERM A-2) 12,000 TURNS OF #39 GAE WIRE 2550 OHMS DC RESISTANCE, WHOLE ASSEMBLY POTTED IN RECTANGULAR CAN.			CKT-301914 SR RE13A553 REACTOR, DOUBLE SECTION, EACH SECTION RATED 10 HENRIES AT 50MA DC, 3000 TURNS #32 E WIRE PER SECTION, 250 OHMS DC RESISTANCE PER SECTION, HERMETICALLY SEALED. 3/9/45 S-20250 CRV:M-433886 MAR. 45 SUB 2			CRP-301918 SEALED.		
CRV-301910 SA-3 TRANSFORMER INTERSTAGE ASSEMBLY OF 3 TRANSFORMERS, SECONDARIES OF #2 AND #3 CONNECTED IN SERIES, TRANSFORMER #1 RATED PRIMARY 18,000 OHMS AT 30 VOLTS 60 CYCLES, 2000 TURNS OF #38 E WIRE, 347 OHMS DC RESISTANCE; SECONDARY 4000 TURNS CT. OF #40 E WIRE, 1430 OHMS 3/9/45 CRV:M-438292 MAR. 45 REV 1			CKT-301915 SR RE13A553 TRANSFORMER POWER PRI: 115 VOLTS 60 CPS AT 75 WATTS 315 TURNS #23 E WIRE 2 OHMS DC RESISTANCE, SEC: #1 RATED 6.3V AC AT 0.6 AMP, 18 TURNS OF #23E WIRE 0.1Ω DC RESISTANCE 6.3V AC TO GRD, SEC: #2 RATED 500V RMS, 35MA AC, 1600 TURNS OF #31E WIRE CT. 3/9/45 S-20252 CRV:M-433809 MAR. 45 SUB 2			CRP-301919 SO-4 PLATE & FILAMENT TRANSFORMER: PRI: 338 TURNS #19E 1.5 OHMS DC 115V 1.40 AMPS, SEC #1: 3160 TURNS #34E WIRE 550 OHMS DC 1000V 0.045 AMP CT, SEC #2: 2540 TURNS #30E WIRE 210 OHMS DC 795V 0.080 AMP CT, SEC #3: 16 TURNS #16E WIRE 0.053 OHMS DC 5V 3 AMP, SEC #4: 16 TURNS 3/5/45 UX-9125B DV92-754-4 MAR. 45 REV 15		

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NAVSHIPS 900,109

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		CRP-301919	CRP-301925 SO-4			CRP-301930			
#16E WIRE 0.053 OHMS DC 5 VOLTS 3 AMPS. SEC #5: 16 TURNS #16E WIRE 0.060 OHMS DC 5 VOLTS 3 AMPS. SEC #6: 20 TURNS #20E WIRE 0.195 OHMS DC 6.3 VOLTS 1.0 AMPS CT. SEC #7: 20 TURNS #24E WIRE 0.50 OHMS DC 6.3 VOLTS 0.3 AMPS CT. SECONDARY #2 TAPPED AT 695, 1845 AND 1270 TURNS. ELECTROSTATIC SHIELD GROUNDED. HERMETICALLY SEALED.			FILAMENT TRANSFORMER: PRI: 562 1/2 TURNS #24E WIRE 8.5 OHMS DC 115/1/60 0.35 AMPS. SEC #1: 32 1/2 TURNS #13E WIRE 0.041 OHMS DC 6.3V 4.7 AMPS. SEC #2: 32 1/2 TURNS #20E WIRE 0.23 OHMS DC 6.3V 0.6 AMPS.			AMPS. SEC #4: 10 TURNS #2 X 17E WIRE .013 OHMS DC 2.5V 7.0 AMPS C.T. ELECTROSTATIC SHIELD GROUNDED. HERMETICALLY SEALED.			
	3/5/45 UX-7319A MAR. 45	DV92-670-1 REV. 2							
CRP-301920 SO-4		CRP-301926 SO-4			CRP-301931 SO. SOA				
PLATE & FILAMENT TRANSFORMER: PRI: 345 TURNS #19E WIRE 1.56 OHMS DC 115V, 1.13 AMPS. SEC #1: 2660 TURNS #30EN WIRE 215 OHMS DC 840V, 0.110 AMPS CT. SEC #2: 1690 TURNS #35EN WIRE 550 OHMS DC 530V, 0.021 AMPS CT. SEC #3: 16 TURNS #16EN WIRE 0.063 OHMS DC 5 V. 3	3/5/45 UX-9117A MAR. 45	DV92-754-1 REV 15	PLATE & FILAMENT TRANSFORMER: PRI: 520 TURNS #28E WIRE 20 OHMS DC. 115/1/60 0.145 AMPS. SEC #1: 12 TURNS #16E WIRE 0.030 OHMS DC. 2.5V 3.0 AMPS. SEC #2: 22,000 TURNS #41HE WIRE 21,500 OHMS DC 4540V 0.002 AMPS. ELECTROSTATIC SHIELD GROUNDED. HERMETICALLY SEALED.			TRANSFORMER: PRI: 168 1/2 TURNS #18E WIRE .70 OHMS 115/1/400 2.30 AMPS. TAPPED AT 152 1/2 TURNS AND 180 TURNS. SEC: 3400 1/2 TURNS #31HF WIRE 270 OHMS 2430/1/400, 0.100. AMPS.			
			3/5/45 UX-7320A MAR. 45	DV92-671-1 REV 5		3/6/45 UX-7500C MAR. 45	DL74-1003-1 REV 1		
CRP-301920 SO-4		CRP-301927 SO-4			CW-301932 SS				
AMPS. SEC #4: 16 TURNS #16EN WIRE 0.063 OHMS DC 5V, 3 AMPS. SEC #5: 20 TURNS #20E WIRE 0.21 OHMS DC 6.3V, 1 AMP CT. SEC #6: 20 TURNS #26E WIRE 0.96 OHMS DC 6.3V, 0.3 AMPS CT. HERMETICALLY SEALED. ELECTROSTATIC SHIELD GROUNDED.		PLATE & FILAMENT TRANSFORMER PRI: 672 TURNS #22E WIRE 4.40 OHMS DC. 115/1/60 1.00 AMPS. SEC #1: 4420 TURNS #31E WIRE 330 OHMS DC 690/1/60 0.100 AMPS CT. SEC #2 32 TURNS #17E WIRE 0.150 OHMS DC 5/1/60 3.0 AMPS. SEC #3: 40 TURNS #17E WIRE 0.115 OHMS DC 6.3/1/60			TRANSFORMER, OUTPUT: CONSISTS OF TWO WINDINGS (1-2-3) AND (4-5-6) WITH CENTERTAPS 2 AND 5. IMPEDANCE RATIO 9600 TO 600 OHMS, AND IS DESIGNED TO OPERATE AT 60 CPS. WINDING (1-2-3) 530 TURNS #29 GAE WIRE, 26.3 OHMS DC RESIST: (4-5-6) 2320 TURNS #34		3/8/45 KS-3375 MAR. 45	ISS. 1 ISS. 2	
	3/5/45 UX-9198A MAR. 45	DL-74-1173 REV 4	3/6/45 UX9120A MAR. 45	DV92-760-1 REV 7					
CRP-301921 SO-3		CRP-301927			CW-301932				
FILAMENT TRANSFORMER: PRI: 1700 TURNS #30E WIRE 53 OHMS DC. 115/1/60-400 0.110 AMPS. SEC: 131 TURNS #19E WIRE 0.450 OHMS DC 7.70/1/60-400 1.3 AMPS. ELECTROSTATIC SHIELD GROUNDED. HERMETICALLY SEALED.		3.0 AMPS. SEC #4: 40 TURNS #23E WIRE 0.65 OHMS DC 6.3/1/60 0.7 AMPS. ELECTROSTATIC SHIELD GROUNDED. HERMETICALLY SEALED.			GA "E" WIRE, 265 OHMS DC RESIST. SHELL TYPE WITH SILICON STEEL CORE POTTED IN RECTANGULAR METAL CASE.				
CRP-301922 SO. SOA		CRP-301928 SO-3			CW-301933 SS				
PLATE & FILAMENT TRANSFORMER: PRI: 774 TURNS #33E WIRE 36 OHMS DC 115/1/400 0.051 AMPS. SEC #1: 7111 TURNS #40E WIRE 2500 OHMS DC 1000/1/400 0.0025 AMPS. SEC #2: 46 TURNS #25E WIRE 0.65 OHMS DC 6.2/1/400 0.450 AMPS. ELECTROSTATIC SHIELD GROUNDED.	3/5/45 UX-73128 MAR. 45	DL74-868 REV. 5	PULSE TRANSFORMER ASSEMBLY: OPERATION: FROM 50 TO 1000 OHMS. TURNS RATIO FULL PRIMARY TO SECONDARY #1 1:4.4 FULL PRIMARY TO FULL SECONDARY #2 1:1.4. PRIMARY: 16 TURNS 4 X 21HF WIRE 0.020 OHMS DC RES. SEC #1: 35 1/2 TURNS OF 2 X 22HF WIRE, 0.400 OHMS DC RES. SEC #2: 3/6/45 UX9202 MAR. 45	DV92-691-1 REV 25	TRANSFORMER POWER: FOR OPERATION FROM 115/1/60. SECONDARIES (7-9)/5-10/5-11/4-12/3-13/ RATED 2130/2520/2330/3240/3600 VOLTS AT 0.36 AMPS EACH. TERMINAL (8) IS A CENTERTAP OF (3-13). (3-4-5-6-7-8-9-10-11-12-13) ALL ONE WINDING. WITH (3-13) CONNECTED TO AN				
					3/3/45 KS-9753 MAR. 45	80-104697 ISSUE 2			
CRP-301923 SO-1		CRP-301928			CW-301933				
PLATE & FILAMENT TRANSFORMER: PRI: 632 TURNS #32EN WIRE 28.2 OHMS DC. 115/1/400 0.075 AMPS. SEC #1: 5650 TURNS #40EN WIRE 2604 OHMS DC 1000/1/400 0.0025 AMPS. SEC #2: 35 TURNS #23EN WIRE 0.324 OHMS DC 6.15/1/400 0.70 AMPS. ELECTROSTATIC SHIELD GROUNDED.	3/5/45 UX-8547 MAR. 45	DL74-1293 REV 0	35 1/2 TURNS 2 X 22HF WIRE, 0.500 OHMS DC RES. HERMETICALLY SEALED.		INDUCTIVELY TERMINATED FULL WAVE RECTIFIER. THE INPUT CURRENT AND VOLTAGE IS APPROX 8.6 AMPS 850 WATTS.				
CRP-301924 SO-3		CRP-301929 SO-3			CW-301934 SS				
PLATE & FILAMENT TRANSFORMER: PRI: 610 1/2 TURNS 32E WIRE 43 OHMS DC 115/1/60-400 0.104 AMPS. SEC #1: 6000 1/2 TURNS #41E WIRE 3700 OHMS DC. 770/1/60-400 0.025 AMPS. SEC #2: 20 1/2 TURNS #18E WIRE 0.095 OHMS DC 2.5/1/60-400 3.0 AMPS. ELECTROSTATIC SHIELD	3/5/45 UX-8942C MAR. 45	DV-92-619-1 REV 9	TRANSFORMER: PRI: 150 TURNS 2 OF 13E WIRE 0.44 OHMS DC. 115/1/400 3.5 AMPS TAPPED AT 11, 22, 136 TURNS. SEC: 6100 AT 31HF WIRE 840 OHMS DC 6500/1/400 0.005 AMPS.		COIL RETARDATION: INDUCTANCE SHALL NOT BE LESS THAN 9.0 HENRIES WHEN MEASURED WITH 400±20 VOLTS, 60±3 CYCLES PER SEC. AND 0.5±0.01 AMPS DC APPLIED. CONSISTS OF 2600 TURNS OF #22 GA "E" WIRE, 45 OHMS (APPROX) DC RESISTANCE AT 68°F. SHELL TYPE WITH				
			3/6/45 UX-7358 MAR. 45	DU74-1032 REV. 3	3/3/45 KS-9752 MAR. 45	80-104530 ISS. 1			
CRP-301924		CRP-301930 SO-1			CW-301934				
GROUNDING. HERMETICALLY SEALED.		PLATE & FILAMENT TRANSFORMER: PRI: 434 1/2 TURNS #26E WIRE 5.5 OHMS DC. 115/1/400, .309 AMPS. SEC #1: 221 1/2 TURNS #39E WIRE 72 OHMS DC 55V 0.01 AMPS. SEC #2: 442 TURNS #39E WIRE 145 OHMS DC 110V 0.01 AMPS C.T. SEC #3: 25 TURNS #22E WIRE 0.17 OHMS DC 6.3V 1.0			SILICON STEEL CORE POTTED IN METAL CASE.				
		3/6/45 UX-8352A MAR. 45		DL74-847 REV 6					

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Class 30—Transformers and Reactors

3.30-109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CW-301935 SS			-301940 QGA			CAY-301945 SS		
COIL, RETARDATION; CONSISTS OF TWO WINDINGS (1-2)(3-4). VOLTAGE TRANSFORMATION RATIO IS 1:1 WHEN MEASURED AT 900 CPS $\pm 2\%$ WITH APPROX. 3 VOLTS ACROSS (3-4). THE OPEN CIRCUIT IN- DUCTANCE OF WINDING (1-2) SHALL NOT BE LESS THAN 52 HENRIES WHEN MEASURED WITH 3/8/45 KS-9693 80-102168 MAR. 45 ISS. 1 ISS. 2			4200 TURNS OF 27E WIRE, 70 OHMS MAX DC RESISTANCE. TEST VOLTAGE 1780V RMS; IRON CORE. CBM:959-55	3/9/45 CRP:U8381 CBM:U1000A-88 MAR. 45 CBM:956-39 ALT 1		TRANSFORMER, PULSE: HAS 3 WINDINGS: (1-2)/(3-4)/(5-6) EACH HAVING 32 TURNS #30 GA WIRE, 0.54/0.58/ 0.60 OHMS DC RESISTANCE AT 68°F. METAL CORE, POTTED IN ROUND METAL CASE WITH A TOP MOUNTING FLANGE.	3/12/45 CAY:132AWP CW:90-10238-1 MAR. 45 ISS. 1	
			CRA-301941 SR-2 RE 13A 553			CAT-301946 GEN. LORAN USE *		
			TRANSFORMER, PULSE: WINDINGS #1/#2/#3 RATED 4/4.3/4.6 OHMS DC RESISTANCE AT 25°C. TURNS RATIO 1:1:1. TO WITHSTAND APPLICATION OF 1500V RMS 60 CPS FOR ONE MINUTE BETWEEN WINDINGS AND BETWEEN WINDINGS AND GROUND WITHOUT BREAKDOWN. HERMETICALLY SEALED. 3/10/45 X124T2 CRV:K-438867 MAR. 45 SUB 1			SHIELDED ISOLATION TRANS- FORMER: RATED 7.5 KVA. HAS 2 PRIMARIES FOR 115/230/1/60 OPERATION. WITH 105 TAPS. SECONDARY RATED 115/1/60 WITH RE- GULATION OF 1.1% MAX AT 1.0 PF, 2% MAX AT 0.90 PF. SECONDARY TO BE COMPLETELY SHIELDED IN COPPER ENCLOSURE WITH SEC- 3/12/45 CAT: TYPE CB CAT:C-69972 MAR. 45 REV. 0		
			CFT-301942 CFT-20312			CAT-301946		
			POWER TRANSFORMER: PRIMARY: 115/1/60, 1200 TURNS OF #33 EN WIRE, 77 OHMS DC RES. SEC #1: 130 VOLTS, 1440 TURNS OF #39 EN WIRE, 400 OHMS DC RES. SEC #2: 130 VOLTS, 1440 TURNS OF #39 EN WIRE, 470 OHMS DC RES. SEC #3: 6.6 VOLTS, 74 TURNS OF #25 EN 3/10/45 450A RF-2899-1 MAR. 45 ISSUE E			SECONDARY LEADS BROUGHT OUT TO A JUNCTION BOX AND TERMINAL BOARD. #NXRS-81379		
			CCV-301936 SV			CASS-301947 LU-3 RE 13A 553		
			COIL, RETARDATION: CONSISTS OF TWO WINDINGS (1-2)(3-4). EFFECTIVE SERIES INDUCTANCE IS 75 HEN- RIES AT 600 CPS 200 VOLTS AC. AN 0.01 AMPS DC. MAXIMUM INDUCTANCE OF EACH COIL IS 18.7 HENRIES. EFFECTIVE SERIES RESISTANCE WITH TERM #2 CONNECTED TO 3/8/45 CW:KS-9799 80-104208 MAR. 45 ISS 1 ISSUE 1			TRANSFORMER, PULSE IMPED- & ADDENDUM 2 ANCE MATCHING: PRI/SEC#1/SEC#2 RATED 3800/6000/50 OHMS IMPEDANCE CONSISTS OF 304/350/35 TURNS OF #33E/#33E/#20E WIRE. 15/20/2 OHMS DC RESISTANCE 2000/2000/ 2000 RMS VOLTS TO GROUND. PRI INDUCT- #CRB:OR-1051 ISS A TR-1025 ISS F 3/12/45 #395 #SEE ABOVE. MAR. 45		
			CCV-301936			CASS-301947		
			#4 IS 4000 OHMS AT 68°F. EACH WINDING 7336 TURNS, #40 GA "E" WIRE. SHELL TYPE POTTED IN METAL CASE.			ANCE BETWEEN 0.425 AND 0.523 HENRIES AT 1000 CYCLES/SEC AND 0 DC.		
			CKT-301937 SR RE 13A 553			CG-301943 MK 26 MOD 4		
			TRANSFORMER, POWER: PRI: 115/1/60 130 WATTS, 205 TURNS #18E WIRE 0.96Ω DC RESISTANCE. SEC #1: #2/#3/ #4 5/800/6.3/24 VOLTS. .3/0.0925/6/2.5 AMPS. 9 1/2/1430/12/45 TURNS OF #77/#30/ 2 #17/#17E WIRE. 0.1/125/0.1/0.280 OHMS DC RESISTANCE. 265V DC/270V DC/6.3V AC/ 3/9/45 #20242 CRV:H-433879-1 MAR. 45 SUB 2			PULSE TRANSFORMER: PRIMARY #1: 21.5 TURNS OF 0.0179" FORMEX WIRE. PRIMARY #2: 22 TURNS OF 0.0179" FORMEX WIRE. DC RESISTANCE OF PRIMARY #1 AND #2 IN SERIES IS 0.28 OHMS $\pm 1\%$. SECONDARY #1 AND SECONDARY #2 EACH CON- SIST OF 24 TURNS OF 0.159" FORMEX WIRE. 3/10/45 7471993 M-7471993 MAR. 45 REV. 4		
			CKT-301937			CG-301943		
			24V AC TO GRD. SEC #2 CENTER TAPPED. ELECTROSTATIC SHIELD BETWEEN PRI AND SECONDARIES CONNECTED INTERNALLY IN CASE.			DC RESISTANCE OF SECONDARY #1 AND #2 IN PARALLEL IS 0.0864 OHMS $\pm 18\%$.		
			-301938 QGA			CAKY-301944 SS		
			FILTER CHOKE INDUCTANCE 6 HENRY AT 0.5 AMPS DC. 2000 TURNS OF #22E WIRE 47 OHMS MAX DC RESISTANCE. TEST VOLTAGE 3500 RMS, IRON CORE.			AUTOTRANSFORMER, POWER: RATED 115/1/60, 0.16 AMP, 17 WATTS IN- PUT TO TERMINALS (1-4) WITH OUTPUT FROM TERMINALS (1-3) 78 VOLTS, 0.02 AMPS. TERMINAL (2) CONNECTED TO (1) INTERNALLY. WINDING (1-3) 890 TURNS #31GA "E" WIRE (3-4) 390 TURNS #28GA "E" WIRE; (1-3) 3/12/45 CAKY:W2999 CW:BO-105195 MAR. 45 CW:KS-9301 ISS 1 ISSUE 1		
			3/9/45 CRP:U-8374 CBM:U1000A-168 MAR. 45 CBM:960-4 ALT 1					
			-301939 QGA			CAKY-301944		
			FILTER CHOKE INDUCTANCE 2.1 HENRY AT 0.2 AMPS DC. 1800 TURNS OF #25E WIRE, 40 OHMS MAX DC RESISTANCE. TEST VOLTAGE 2500V RMS, IRON CORE.			42.0 OHMS AND (3-4) 11.5 OHMS DC RESIST- ANCE. SHELL TYPE POTTED IN RECTANGULAR METAL CASE.		
			3/9/45 CRP:U-8375 CBM:U1000A-167 MAR. 45 CBM:960-3 ALT 0					
						-301949 QGA		
						VARIABLE REACTOR: INDUCTANCE 1.3 AND 1.5 HENRY AT 3 VOLTS 400 CYCLES, 1200 TURNS OF #30E WIRE, 55 OHMS DC RESISTANCE. TEST VOLTAGE 1275 RMS, VARIABLE IRON CORE WITH LOCKING NUT SCREW DRIVER ADJUSTMENT.		
						3/12/45 CRP:U7423 CBM:U1000A-93 MAR. 45 CBM:955-210 ALT 2		
						-301950 QGA		
						FILTER CHOKE INDUCTANCE 15 HENRY AT 15 MA DC, 3200 TURNS OF #35E WIRE 400 OHMS MAX DC RE- SISTANCE TEST VOLTAGE 1275 VOLTS 60 CY- CLES RMS, IRON CORE, HERMETICALLY SEALED		
						*CBM:1000A-8 ALT 0 3/12/45 CRP:U8360 CBM:958-22 MAR. 45 CBM:958-22 ALT 0 *		
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-301951 QGA			CRP-301955			CRP-301962 QCQ-2		
DEFLECTION COIL ASSEMBLY: 2 HORIZONTAL COILS CONNECTED IN SERIES OPPOSING AND 2 VERTICAL COILS CONNECTED IN SERIES OPPOSING, 5940 TURNS OF #39E WIRE, 1825 OHMS DC RESISTANCE; (2000 VOLTS HIPOT COIL TO CASE) EACH COIL. IRON CORE COILS ASSEMBLE IN COVER 3/12/45 CAYK:2695 CBM:V1000A-161 MAR. 45 CB1:954-19 ALT V			6400 OHMS DC RESISTANCE CENTERTAPPED. OPERATES FROM A 10000 OHM PLATE IMPEDANCE. WHEN PRIMARIES ARE IN PARALLEL SECONDARY IMPEDANCE IS 174,000 OHMS. WHEN PRIMARIES ARE IN SERIES SECONDARY IMPEDANCE IS 435,000 OHMS. SECONDARIES ARE ALWAYS IN SERIES. 3/14/45 CAFT:CS-5672 CAOS:C-43056-CI MAR. 45			POWER TRANSFORMER: PRI: 2 X 242 TURNS #0.0475E WIRE, 4 OHMS DC MAX TWO COILS IN SERIES, 220/440/1/60 3.42/1.71. SEC: 129 TURNS 0.140 X 0.050 SCE WIRE 0.4 OHMS DC MAX 115V 6.52A. PRIMARY RATED 825 WATTS. 3/15/45 US425 CBM:571-449 MAR. 45 REV. 0		
AND ON HTG. PLATE.			CAFT-301956 MARK 6			CG-301963 QCS		
			TRANSFORMER, POWER: PRI:-1: 85 VOLTS, 230 TURNS OF #20E WIRE 1.85 OHMS DC RESISTANCE. PRI:-2: 25 VOLTS, 67 TURNS OF 21E WIRE, 0.747 OHMS DC RESISTANCE. PRIMARIES 1 AND 2 HAVE COMMON TERMINAL. OVERALL PRIMARY VOLTAGE IS 110 VOLTS. SEC-1: 880 VOLTS, 2560 3/14/45 CAFT:CS-5672 CAOS:C-43056-CI MAR. 45			INPUT TRANSFORMER: PRI TO BOTH SECS. IS 1:2 PRI: 1700 TURNS #0.0045E WIRE, 55 VOLTS, 0.0295 AMPS APPROX, 315 OHMS ± 14 1/2% DC RES. SEC #1: 1700 TURNS #0.0045E WIRE 55V. 0.010 AMPS APPROX, 0.0045E WIRE. SEC #2: 1700 TURNS #0.0045E WIRE 55V. 3/15/45 67G720 K-5805499CR MAR. 45 REV 7		
			CRP-301952 SO-3			CG-301963		
CHOKES ASSEMBLY: COMPOSED OF TWO SMOOTHING CHOKES (UX-74593) AND (UX-7460C), FIRST CHOKE INDUCTANCE 2.5 HENRYS AT 115 VOLTS 400 CYCLES, 0.145 AMPS DC, 2250 TURNS OF #30E WIRE, 90 OHMS DC RESISTANCE; SEC-OND CHOKE INDUCTANCE 25 HENRYS, 115 3/12/45 WX-4015A CRP:OV92-662 MAR. 45 SUB 4			CAFT-301956			0.010 AMPS, 355 ± 14 1/2%. OHMS DC RES.		
			TURNS, CENTERTAPPED AT 1280 TURNS 32E WIRE 2820 DC RESISTANCE. SEC-2: 1.7 VOLTS, 5 AMPS, 5 TURNS OF #15E WIRE 0.019 OHMS DC RESISTANCE. SEC-3: 6.5 VOLTS 4.5 AMPS 19 TURNS OF #15E WIRE 0.059 OHMS DC RESISTANCE.					
			CRP-301952					
VOLTS, 400 CYCLES WITH 0.067 AMPS DC; 7030 TURNS OF #35E WIRE, 990 OHMS DC RESISTANCE; IRON CORE, HERMETICALLY SEALED.			CAFT-301957 MARK 6					
			REACTOR: RATED 5 HENRYS 125 MA DC 2490 TURNS OF #29 WIRE WITH 94 OHMS DC RESISTANCE AT 25°C. 3/14/45 CAFT:CS-13885 CAOS:8-33039C-1 MAR. 45			CJE-301964 BH RE 13A 553		
						REACTOR: 8 ADD. 2 RATED 4.75 HENRYS MIN. AT 150 MA DC AT 10V RMS 60 CYCLES 80 OHMS DC RESISTANCE TO CARRY 130 MA DC CONTINUOUSLY HERMETICALLY SEALED. 3/20/45 466-001-161 CFM:300360-1 APR. 45 REV 5		
			CBM-301953 NK-1					
TRANSFORMER: PRI: 100 TURNS OF #30 SSE COPPER WIRE, 6.0 OHMS DC, 61.93 MILLIHENRYS. SEC: 225 TURNS OF #36 SSE COPPER WIRE, 60.0 OHMS DC, 293 MILLIHENRYS. SECONDARY WINDING OVER PRI. WITH GROUNDED SHIELD BETWEEN WINDINGS. TWO COILS IN SERIES 3/12/45 CBM:3368N CBM:3368M REV 3 MAR. 45 CBM:336-3026 REV 0			CAFT-301958 MARK 6			CRP-301965 VD-2		
			MODULATION REACTOR: CONSIST OF AUDIO SECTION RATED 10 HENRYS 75 MA DC WITH 268 OHMS DC RESISTANCE AT 25°C AND ON RF SECTION RATED 0.5 HENRYS, 60 MA DC WITH 450 OHMS DC RESISTANCE. 3/14/45 CAFT:CS-13886 CAOS:8-38055C-1 MAR. 45			REACTOR: INDUCTANCE 25 HENRYS AT 40 VOLTS 60 CYCLES WITH 0.095 AMPS DC; 4000 TURNS OF #32E WIRE, 400 OHMS DC RESISTANCE. IRON CORE, HERMETICALLY SEALED. 3/14/45 UX-8589 CRP:OV-92-310 MAR. 45 SUB 15		
			CRP-301959 VF					
			DOUBLE CHOKE: CONSISTS OF 2 SIMILAR CHOKES MOUNTED IN HERMETICALLY SEALED CAN, EACH RATED 1.5 HENRYS AT 500 VOLTS 120 CYCLES WITH 0.4 AMPS DC, 990 TURNS OF #24E WIRE 18 OHMS MAX DC RESISTANCE, 500 VOLTS TO GRD. IRON CORE. 3/14/45 WX-5146 CRP:OV92-923 MAR. 45 SUB 4			CRP-301966 VD-2		
						DUAL CHOKE ASSEMBLY: CONSISTS OF 2 SIMILAR CHOKES MOUNTED IN HERMETICALLY SEALED CAN, EACH CHOKE INDUCTANCE 20 HENRYS AT 500 VOLTS 120 CYCLES WITH 0.075 AMPS DC, 3600 TURNS OF #32 ENAMEL WIRE, 375 OHMS DC RESISTANCE, IRON CORE; TEST VOLTAGE 1780 RMS. 3/14/45 WX-5138A CRP:OV92-717 MAR. 45 SUB 7 SPEC NO. GR. 1		
			CRP-301954 NJ-4					
CHOKES ASSEMBLY: CONSISTS OF TWO SECTIONS, EACH SECTION: 10 HENRY'S AT 19 MA, 3100 TURNS OF 35E WIRE 375-OHMS DC RESISTANCE. TEST VOLTAGE 1275 RMS. *CBM:T-801-12 ALT 0 CRP:DL-74-530 SUB 1 3/13/45 W-186JA *SEE ABOVE MAR. 45			CRP-301960 QCQ-2			CRP-301967 VF		
			FILAMENT TRANSFORMER: PRI: #1: 332 TURNS #25E WIRE 10 OHMS DC MAX, 220/440/1/60. PRI: #2: 332 TURNS #25E WIRE 11 OHMS DC MAX 220/440/1/60. SEC: 4 TURNS 2 @ 0.09 X 0.3 DC WIRE 0.0007 OHMS DC, 2.5V, 60 AMPS. PRIMARY RATED 165 WATTS. 3/15/45 US085 CBM:571-404 MAR. 45 REV 0			SMOOTHING CHOKE: INDUCTANCE, 15 HENRYS AT 6 VOLTS 60 CYCLES WITH 28 MILLIAMPS DC, 5000 1/2 TURNS OF #37E WIRE, 1050 OHMS DC RESISTANCE, TEST VOLTAGE 1275 RMS, IRON CORE, CASED AND DRY NITROGEN FILLED. 3/14/45 UX8678 CRP:DL74-1055 MAR. 45 SUB 0		
			CRP-301961 QCQ-2					
TRANSFORMER, OUTPUT: PRIMARY #1, 2400 TURNS OF #38E WIRE, 800 OHMS DC RESISTANCE. PRIMARY #2, 2400 TURNS OF #38E WIRE 900 OHMS DC RESISTANCE. SECONDARY 10,000 TURNS OF #40E *CRP:DL-74-579. CRP:DL-74-1216 CBM:U-712-824 ALT 1 3/13/45 U-5635 *SEE ABOVE MAR. 45			PLATE TRANSFORMER: PRI #1: 330 TURNS #20E WIRE 5 OHMS DC 220/440/1/60. PRI #2: 330 TURNS #20E WIRE 6.1 OHMS DC 220/440/1/60. SEC: 248 TURNS #13E WIRE 1.05 OHMS DC 136V CT 3.5 AMPS. PRIMARY RATED 925 WATTS. 3/15/45 US409 CBM:571-492 MAR. 45 REV. 0			CTR-301968 HAR		
						FILTER CHOKE: RATED 5 HENRYS MIN. AT 0.150 AMPS, 2510 TURNS OF #29 WIRE, 95 OHMS DC RES. HERMETICALLY SEALED. 3/14/45 5613J CMD:LP-1 MAR. 45 REF MD-2797		

Class 30—Transformers and Reactors

3.30-111

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CTR-301969 MAR POWER TRANSFORMER: PRI: 1.013 TURNS #32 WIRE, 50 OHMS DC RES, 115 VOLTS 60 CPS, RMS, 0.07 AMPS SEC: 67 TURNS #22 WIRE, 0.5 OHMS DC RES, 6.3V RMS, 1.2 AMPS, ELECTROSTATIC SHIELD. HERMETICALLY SEALED.	3/14/45 9004 MAR. 45 REF MD-2798	CMD:TP-3	CAFT-301974 AN/SPT-6A TRANSFORMER, PLATE: PRI: RATED 115/1/60 SEC: RATED 2370 VOLTS CENTER TAPPED AT FULL LOAD. DELIVERS 940V AT 150 MA BY MEANS OF A FULL WAVE RECTIFIER. HERMETICALLY SEALED.	3/16/45 CS-5634 MAR. 45	CKV:M-100263 REV 2	CRP-301981 RMS. IRON CORE. (SPEC NO. WX-5148)		
CTR-301970 MAR POWER TRANSFORMER: PRI: (1-2): 115V, 60 CPS, 0.15 AMPS, 458 TURNS #28 WIRE, 13.5 OHMS DC RES, SEC #1 (3-4) 2.5V, 1.75 AMPS, 11 TURNS #19 WIRE, 0.09 OHMS DC RES, SEC #2(5-6) 230CV 0.003 AMP, 9704 TURNS #42 WIRE, 9900 OHMS DC RES, SEC #3(6-7) 2.5V, 1.75 AMPS 3/14/45 9005 MAR. 45 REF MD-2799	3/14/45 9005 MAR. 45 REF MD-2799	CMD:TP-2	CAFT-301975 AN/SPT-6A FILTER REACTOR: INDUCTANCE 12 HENRIES MIN AT 0.15 AMPS DC. 200 OHMS MAX DC RESISTANCE. HERMETICALLY SEALED.	3/16/45 CS-13862 MAR. 45	CKV:M-100265 REV 2	CSY-301982 NXsr 87738 RE 13A 8478 VOLTAGE REGULATING TRANSFORMER: PRI RATED 84-150 VOLTS, 1 PHASE, 58-60 CPS, TAPPED AT 105, 110, 115V. SEC. RATED 115±30%, 15.2-25.1 AMPS; CONSISTS OF 3 WINDINGS COILS 1 AND 2 ARE IN SERIES WITH AN 80 MFD CAPACITOR, ONE SIDE OF COIL 3 IS COMMON TO COIL 1 & 2 3/16/45 6010 MAR. 45		
CTR-301970 11 TURNS #19 WIRE, 0.09 OHMS DC RES. HERMETICALLY SEALED. TERM #6 COMMON TO SEC #2 & SEC #3.			CAFT-301976 AN/SPT-6A FILTER REACTOR: INDUCTANCE 6 HENRIES MIN WITH 0.5 AMP DC 100 OHMS MAX DC RESISTANCE. HERMETICALLY SEALED.	3/16/45 CS-13863 MAR. 45	CKV:M-100266 REV 2	CSY-301982 OTHER SIDE IS ONE TERMINAL OF SEC; COIL 2 IS TAPPED & TAP GOES TO A 210 MFD CAPACITOR AND CHOKE IN SERIES. TO OTHER TERMINAL OF SECONDARY. RATED 2 KVA, PF IS 80%-90%.		
CTR-301971 MAR POWER TRANSFORMER: PRI (1-2) 115V, 60 CPS, 1.3 AMPS, 292 TURNS #19 WIRE, 1.5 OHMS DC RES, SEC # (6-7) 6.3V, 8.2 AMPS, 17 TURNS #11 WIRE, 0.05 OHMS DC RES, SEC #2 (8-9) 5.0V, 3.0 AMPS, 13 1/2 TURNS #15 WIRE, 0.065 OHMS DC RES, SEC #3 (3-5) RATED 300V, 3/14/45 9006 MAR. 45 REF MD-2800	3/14/45 9006 MAR. 45 REF MD-2800	CMD:TP-1	CAFT-301977 AN/SPT-6A TRANSFORMER, POWER: PRI. 115/1/60, SEC: #1/#2/#3 35/5/2.5 VOLTS AT 2/4/10 AMPS. HERMETICALLY SEALED.	3/16/45 CS-8760 MAR. 45	CKV:M-100264 REV 4	CG-301983 QCS PLATE TRANSFORMER: PRI: 261 TURNS 0.032E WIRE 1.45±6% OHMS DC, 115/1/60, 1.33 AMPS, SEC #1: 1920 TURNS 0.0113E WIRE TAPPED AT 960 TURNS, 131 OHMS ±8% 800/400V, 0.141 AMPS, SEC #2: 12 TURNS 0.054E WIRE TAPPED AT 6 TURNS, 5/2.5V, 0.054 OHMS ±6% 3 AMPS. 3/16/45 670718 MAR. 45		
CTR-301971 0.150 AMPS; CENTER TAPPED AT TERM 4: (3-4)/(4-5): 850/850 TURNS #28 WIRE, 40/42 OHMS DC RES. ELECTROSTATIC SHIELD. HERMETICALLY SEALED.			CAFT-301978 AN/SPT-6A TRANSFORMER PLATE: PRI: 115/1/60, SEC: 2370 VOLTS, CENTER TAPPED AT FULL LOAD, DELIVERS 340V AT 500 MA BY MEANS OF A FULL WAVE RECTIFIER. HERMETICALLY SEALED.	3/16/45 CS-5635 MAR. 45	CKV:M-100262 REV 2	CG-301983 IRON CORE.		
CTR-301972 MAR AUDIO TRANSFORMER: PRI: 3894 TURNS #38E WIRE, 735 OHMS DC RES, SEC: 1947 TURNS #38E WIRE, 440 OHMS DC RES. HERMETICALLY SEALED.	3/14/45 9008 MAR. 45 REF MD-2793	CMD:TA-1	CBM-301979 QCR TRANSFORMER COIL: 140 MILLIHENRIES AT 1000 CYCLES, 630 TURNS #30E WIRE, 22 OHMS DC RES. CANCELLED	3/16/45 772-213 MAR. 45	772-213 ALT 0	CG-301984 QCS HEATER TRANSFORMER: PRI: 713 TURNS 0.0030E WIRE 115/1/60 38 OHMS±11 1/2%, 1.15 AMPS, SEC: 9 TURNS 0.0760E WIRE 1.3V 0.0179 OHMS ±6%, 7 AMPS.		
CSY-301973 NXsr 87738 RE 13A 8478 VOLTAGE STABILIZING TRANS- MOD A FORMER: PRI RATED 84-150 VOLTS, 1 PHASE 58-62 CPS, TAPPED AT 105, 110, 115V. SEC. RATED 115 ± 3%, 15.6-26.1 AMPS, CONSISTS OF 3 WINDINGS; COILS 1 AND 2 ARE IN SERIES WITH A 92 MFD CAPACITOR; ONE SIDE OF COIL 3 IS COMMON TO COILS 1 3/15/45 6009 MAR. 45	3/15/45 6009 MAR. 45	CSY:6009 REV 0	CBM-301980 QCR INTERSTAGE TRANSFORMER: 2 COILS, EACH CONSISTING OF 750 TURNS OF #60-38 LITZ WIRE, TAPPED AT 385 AND 550 TURNS, INDUCTANCE 18.45 MILLIHENRIES. TOTAL INDUCTANCE 53.3 MILLIHENRIES. FREQUENCY RESPONSE 18 KILOCYCLES TO 26 KILOCYCLES. CANCELLED 3/16/45 772-3011 MAR. 45	3/16/45 772-3011 MAR. 45	772-3011 ALT 0	CG-301985 QCS CONVERTER PLATE TRANSFORMER: PRI: 115/1/60 0.33 AMPS 405 TURNS 0.0142 E WIRE 12.2 OHMS DC ±7%. SEC #1: 275V 0.005 AMPS 1000 TURNS 0.004E WIRE 330 OHMS ±16%. SEC #2: 275V, 0.005 AMPS 1000 TURNS 0.004E WIRE 343 OHMS ±16%. SEC #3: 6.3V, 0.3 AMPS 24 TURNS 0.0142E 3/16/45 670721 MAR. 45		
CSY-301973 AHD 2, OTHER SIDE IS ONE TERMINAL OF SEC; COIL 2 IS TAPPED, AND TAP GOES TO A 310 MFD CAPACITOR AND CHOKE IN SERIES TO OTHER TERMINAL OF SECONDARY. RATED 3 KVA, PF 80%-90%.			CRP-301981 VF DUAL CHOKE: CONSISTS OF 2 SIMILAR CHOKES MOUNTED IN CAN, HERMETICALLY SEALED, EACH CHOKE RATED INDUCTANCE 1.75 HENRIES AT 6 VOLTS 60 CYCLES WITH 0.25 AMPS DC, 1340 TURNS OF #27E WIRE, 35 OHMS DC RES; FREQ. RANGE 60-120 CYCLES, TEST VOLTAGE 1780 3/21/45 WX-5148 MAR. 45	3/21/45 WX-5148 MAR. 45	CPP:DV92-921 G 2 REV 4	CG-301985 WIRE 0.32 OHMS ±7%. SEC #4: 2.5/1.25 7 AMPS 10 TURNS 0.076E WIRE 0.02 OHMS ±6%.		

RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CRP-301986 QCR-1 FILAMENT TRANSFORMER: PRI: 440/220/1760 330 TURNS #22E WIRE, 5 OHMS MAX DC RES. 330 TURNS #25E WIRE 5 OHMS MAX DC RES. 1760 RMS, 170 WATTS. SEC: 5V CT 30 AMPS #14 TURNS 0.090 X 0.300 DC WIRE, 0.0035 OHMS MAX DC 4500V RMS. 3/17/45 U-5819 832-2 MAR. 45 ALT 0			-301991 TCS-12 FILTER REACTOR: INDUCTANCE 6 HENRIES AT 10 VOLTS 120 CYCLES WITH 0.15 AMPS DC, 2104 TURNS OF #28 ENAMEL WIRE, 100 OHMS MAX DC RES. TEST VOLTAGE 2500 RMS, IRON CORE HERMETICALLY SEALED. *CKP:CL-11012 3/20/45 CTR:8499C COL:678000700 MAR. 45 COL:678000700 D10149			CW-301998 MK 3 MOD 2 RETARDATION COIL INDUCTANCE 2.5 HENRIES MIN. AT 10 VOLTS 60 CPS WITH 0.2 AMPS DC, 1720 TURNS OF #26 GA. E WIRE, 31 OHMS DC RES. 500 VOLTS TO GRD. IRON CORE, CASSED AND POTTED. 3/16/45 CW:ESA-649161 MAR. 45 ISS 1		
CRP-301987 QCR-1 PLATE TRANSFORMER: PRI #1: 440/220/3/60 100 TURNS #11EC WIRE 0.171 OHMS DC MAX. PRI #2: 440/220/3/60 100 TURNS #14EC WIRE 0.390 OHMS DC MAX EACH RATED 2500V RMS 980 WATTS. SEC #1: 1310V, 0.67 AMPS 595 TURNS #20EC WIRE 11.5 OHMS DC MAX. 6000V RMS. SEC #2 3/17/45 U-5185 832-1 MAR. 45 ALT 1			-301992 TCS SERIES FILTER REACTOR: INDUCTANCE 6 HENRIES AT 10 VOLTS 120 CYCLES WITH 0.15 AMPS DC, 2195 TURNS OF #28E WIRE; 100 OHMS DC RESISTANCE, IRON CORE, HERMETICALLY SEALED NOT MECHANICALLY INTERCHANGEABLE WITH -301993. 3/20/45 COL:678132100 COL:6781321 MAR. 45 CTR:678132100			CW-301999 MK 3 MOD 2 RETARDATION COIL INDUCTANCE 11.5 HENRIES MIN. AT 110 VOLTS 60 CPS WITH 0.15 AMPS DC, 4030 TURNS OF 30 GA. E WIRE, 185 OHMS DC RES. IRON CORE, CASSED AND POTTED. SAME AS -301999-A EXCEPT DOES NOT HAVE REMOVABLE BRS-9030 LIST 1 3/16/45 CW:ESA-645889 MAR. 45 ISS 10		
CRP-301987 1310V, 0.67 AMPS 595 TURNS #20EC WIRE 11.5 OHMS DC MAX. 6000V RMS.			-301993 TCS SERIES FILTER REACTOR: INDUCTANCE 6 HENRIES AT 10 VOLTS 120 CYCLES WITH 0.15 AMPS DC, 2195 TURNS OF #28E WIRE, 100 OHMS DC RES. TEST VOLTAGE 2500, IRON CORE, HERMETICALLY SEALED, NOT MECHANICALLY INTERCHANGEABLE WITH -301992. 3/20/45 COL:678132000 COL:678132000 MAR. 45 CTR:CO-N132 REV. 0			CG-301999 BRACKET.		
CBM-301988 QCR-1 POWER TRANSFORMER: PRI: #1: 85 MILLIHENRIES, 450 TURNS #38 SSE WIRE 57 OHMS DC. PRI #2: 290 MILLIHENRIES, 450 TURNS #38SEE WIRE 57 OHMS DC. SEC #1: 3.8 MILLIHENRIES, 100 TURNS #30SCC WIRE 2 OHMS DC. SEC #2: 15 MILLI- *CBM:3348H ALT 332 3/17/45 336-BV-S 336-BV-S MAR. 45 336BH REV. 0			-301994 TCS-12 FILTER REACTOR: INDUCTANCE 4 HENRIES AT 10 VOLTS 120 CYCLES WITH 0.3 AMPS DC 1664 TURNS OF #24 ENAMEL WIRE, 40 OHMS MAX DC RES. TEST VOLTAGE 2500 RMS, IRON CORE, HERMETICALLY SEALED. NOT MECHANICALLY INTER- *CKP:CL-11011 3/20/45 COL:678000800 COL:678000800 MAR. 45 CTR:63170 D10148			CW-301999-A MK 3 MOD 2 RETARDATION COIL: INDUCTANCE 11.5 HENRIES MIN. AT 110 VOLTS 60 CPS, WITH 0.15 AMPS DC, 4030 TURNS OF 30 GA E WIRE, 185 OHMS DC RESISTANCE, IRON CORE, CASSED AND POTTED. SAME AS -301999 EXCEPT HAS REMOVABLE BRACKETS. 3/17/45 KS-9030 CW:ESA-649512 MAR. 45 LIST 2 ISSUE 1		
CBM-301988 HENRIES, 100 TURNS #30 SCE WIRE 2 OHMS DC. IRON CORE.			-301995 TCS SERIES FILTER REACTOR: INDUCTANCE 4 HENRIES AT 10 VOLTS 120 CYCLES WITH 0.3 AMPS DC, 1664 TURNS OF #24E WIRE, 40 OHMS MAX DC RES. TEST VOLTAGE 2500 RMS, IRON CORE, HERMETICAL- LY SEALED, NOT MECHANICALLY INTERCHANGE- ABLE WITH -301994. 3/20/45 COL:678117100 COL:678117100 MAR. 45 CTR:6317A REV 0			CW-302000 MK 3 MOD 2 RETARDATION COIL INDUCTANCE 15 HENRIES AT 300 VOLTS 60 CYCLES WITH 0.25 AMPS DC, 2730 TURNS OF 27 GA. E WIRE, 110 OHMS DC RESISTANCE, IRON CORE, SHELL TYPE, POTTED IN REC-TANGULAR METAL CASE. *CW:KS-9033 LIST 2 3/17/45 CW:ESA-649985 MAR. 45 ISS 1		
CAT-301989 QBF VARIABLE TRANSFORMER: PRIMARY: 115/1760, CONSISTS OF 142 TURNS OF #16 GAE SCC WIRE WITH 0.60 OHMS DC RESISTANCE, 4.0 OHMS. SECONDARY CONSISTS OF 142 TURNS OF .025 X .125" RIBBON WIRE WITH 0.62 OHMS DC RESISTANCE, 3.0 AHPS MAXIMUM. THREE OUTPUT VOLTAGES VARY IN 3/20/45 314708 CW:KS-5982 MAR. 45 FIG 1 ISS. 3			CRP-301996 VF DUAL CHOKE: CONSISTS OF 2 SIMILAR CHOKES MOUNTED IN A CAN, HERMETICALLY SEALED IRON CORE. EACH CHOKE RATED INDUCTANCE 3 HENRIES AT 500 VOLTS DC PEAK WITH 0.2 AMPS, 1680 TURNS OF #28E WIRE, 60 OHMS DC RESISTANCE; FREQUENCY 120 CYCLES, TEST VOLT- 3/21/45 WX-5147 CRP:0V92-921 G1 MAR. 45 REV 4			-302001 WEA-2 CHOKE INDUCTANCE 0.02 HENRY, 5 AMPS DC, 135 TURNS OF 13 E WIRE, 0.235 OHMS DC RES., TEST VOLTAGE 1780 RMS, IRON CORE, POTTED. 3/17/45 CRP:U6739 CRP:DL74-647 MAR. 45 CBM:769-584 SUB 1		
ACCORDANCE WITH SINE WAVE CAT-301989 (0-90 VOLTS) WITH 3 PHASES, 120 DEGREES APART. USED IN CONJUNCTION WITH NAVY TYPE -7G SYNCHRO GENERATOR. HAS CAST ALUMINUM FRAME. BASE MOUNTED EQUIPPED WITH 3.33 TO 1 GEARS WITH SHAFT ROTATING AT 150 RPM. SIMILAR TO -301435 EXCEPT FOR LOCATION OF TERMINAL STRIP AND SPACE LIMITATIONS. NOT INTERCHANGEABLE.			CRP-301996 AGE 2500 PEAK. (SPEC NO. WX-5147).			-302002 QCR-1 TUNED FILTER CHOKE INDUCTANCE 1.6 HENRIES AT 180 CYCLES WITH 1.15 AMPS DC, 1500 TURNS OF #18 E WIRE, 12 OHMS DC RESISTANCE, TEST VOLTAGE 5000 RMS, IRON CORE, MOUNTED IN CAN. 3/17/45 CRP:U-5817 CBM:U832-3 MAR. 45 CBM:832-3		
-301990 TCS-12 SWINGING REACTOR: INDUCTANCE 12 HENRIES MIN. AT 0.035 AMPS AND 4 HENRIES MIN. AT 0.300 AMPS MEASURED AT 292 VOLTS RMS, 2538 TURNS OF #24 WIRE, 70 OHMS DC RES. TEST VOLTAGE 2500 RMS, IRON CORE, HERMETICALLY SEALED. *CKP:CL-11010 3/20/45 COL:678000900 COL:678000900 MAR. 45 CTR:8690 010147			CDD-301997 SO-4 REACTOR, VARIABLE RATED 1.1 TO 1.95 HENRIES AT 60 CPS. TO PASS 0.5 AMP AT 265 VOLTS AC; IMPEDANCE 524 OHMS. HAS 1600 TURNS #23 E WIRE, 20 OHMS DC RES. ADJUSTABLE AIR GAP IRON CORE. 3/16/45 191 CDD:EK-11664- MAR. 45 ITEM 11 ALT			CBM-302003 WCA-2 TOROID CHOKE ASSEMBLY INDUCTANCE 65 MILLIHENRIES, 1ST LAYER 75 TURNS, 2ND LAYER 70 TURNS, 3RD LAYER 65 TURNS, 4TH LAYER OF 60 TURNS, 5TH LAYER OF 50 TURNS, OF #17 DOUBLE COTTON COVERED ENAMEL WIRE, 0.95 OHMS DC RESISTANCE, IRON CORE. 3/17/45 769-3048 CBM:769-3048 MAR. 45 ALT 0		

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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Class 30—Transformers and Reactors

3.30-113

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CW-302004 UP
FILAMENT TRANSFORMER ASSEMBLY
CONSISTS OF A STEEL PANEL 19" X 3 1/2"
EQUIPPED WITH TWO STEP-DOWN TRANSFORMERS
(TYPE KS-8574) FOR SUPPLYING AC FILAMENT
POTENTIAL FROM A PRIMARY SOURCE OF 115/
1/50 TO 60. EACH TRANSFORMER DELIVERS 3
AMPS AT 6.3 VOLTS. CONNECTIONS TO EXTER-
3/19/45 C-66421E-1
MAR. 45 FIG A

NAL SUPPLY ARE MADE **CW-302004**
BY CORD & PLUG CAP. ON PRIMARY SIDE OF
EACH TRANSFORMER IS A 2/10 AMPERE FUSE &
TOGGLE SWITCH. ALL TERMINALS & WIRING ON
REAR OF PANEL ARE ENCLOSED IN A METAL
BOX WITH REMOVABLE COVER.

CW-302005 AN/CPH-6
TRANSFORMER, FILAMENT
PRI. VOLTAGE 115V ± 7% 50-70 CPS. SEC.
6.5V ± 3% (MEASURE WITH 115V, 6D CPS,
INPUT & OUTPUT CURRENT OF 1 AMP) NO LOAD
LOSS AT 115V 60 CPS SHOULD NOT EXCEED
5.8 WATTS & CURRENT SHOULD NOT EXCEED
0.14 A. THE OUTPUT SHOULD NOT EXCEED
3/19/45 01-69646 CCG:25C103162
MAR. 45 ISS B

CW-302005
7.3V PHENOLIC PARTS TO BE FUNGUS PROOF
VARNISHED.

CFD-302006 LX-1
CHOKE, MODULATION
INDUCTANCE 25 TO 30 HENRIES AT 1000 CPS
AND 4V AC ACROSS COIL OPERATING VOLTAGE
IS 150V DC AND 10 MA IS CURRENT RATING.
4000 TURNS OF #36E COPPER WIRE TAPPED
455 TURNS, 490 OHMS DC RES. 57 OHMS DC
RES. AT TAP. IRON CORE COIL IN OPEN
3/19/45 CFD:180-395-1A
MAR. 45

CASE. FUNGUS PROOFED. **CFD302006**

CFD-302007 LX-1
INDUCTOR, MODULATOR TUNING
INDUCTANCE 1.48 HENRIES ± 10% AT 400 CPS
AND 10V DC ACROSS COIL. OPERATING VOLT-
AGE 150V DC. 10 MA IS CURRENT RATING.
1500 TURNS OF #31E COPPER WIRE TAPPED AT
600 TURNS. 57 OHMS DC RES. 20 OHMS DC
RES. AT TAP. IRON CORE COIL IN OPEN
3/20/45 CFD:180-300-1A
MAR. 45

CASE. FUNGUS PROOFED. **CFD-302007**

CFD-302008 LX-1
TRANSFORMER, POWER
TWO PRIMARIES, EACH 115 VOLTS, 40-60
CPS. EACH WINDING HAS 825 TURNS. #30E
COPPER WIRE, 18 1/4 OHMS DC RES. WHEN
WINDING IS IN PARALLE, 71 1/2 OHMS DC
RES WHEN WINDINGS ARE IN SERIES. SECON-
DARY #1: 6.3 VOLTS 0.5 AMP, 51 TURNS
3/20/45 CFD:180-293-6
MAR. 45

#32E COPPER **CFD-302008**
WIRE, 1/2 OHMS DC RES. #2: 6.3 VOLTS 0.5
AMP. 51 TURNS #23E COPPER WIRE, 1/2 OHM
DC RES. #3: 520 VOLTS 3950 TURNS-CENTER
TAPPED - #35E COPPER WIRE, 820 OHMS DC
RES. OPEN CASE. FUNGUS PROFFED.

CAIU-302009 QJA
TRANSFORMER & RETARD COIL
ASSEMBLY: CONSISTS OF A T-78 TRANSFOR-
MER MOUNTED ABOVE AN RF49 RETARD COIL
WITHIN A FORMED METAL CASE. TRANSFORMER
PRI: 460 TURNS #24 GA E WIRE, 6.07 OHMS
DC RES. 115V, 60 CPS, 0.25 AMP; SEC: 520
TURNS #24 GA E WIRE, 8.75 OHMS DC RES.
3/21/45 AP-1309-5 AP-1309-5
MAR. 45 1/14/44

CAIU-302009
130V, 0.4 AMP. TAPPED AT 4, 8, 480 & 500
TURNS. COIL RATED 1.75 HENRIES, 550
TURNS #21 GA E WIRE (TAPPED AT 500 & 525
TURNS), 4.03 OHMS DC RES.

CRP-302010 VF
FILTER CHOKE
INDUCTANCE 0.156 HENRY AT 290 VOLTS 60
CYCLES, 5.02 AMPS, 1455VA, 360 TURNS OF
#12E WIRE, 0.83 OHMS DC RESISTANCE, TEST
VOLTAGE 4000 RMS, IRON CORE.
*CRP:SPEC UX9547
3/21/45 UX9547 CRP:DW92-1018
MAR. 45 SUB 0

-302011 WCA
FILAMENT TRANSFORMER
PRI. RATED 120/1/60, 157 WATTS, 182
TURNS OF #19E WIRE, 1.5 OHMS MAX. DC
RES. SEC #1/#2 RATED 6.3V/10.0V AT 2.0A/
13.0A, LESS THAN 0.1 OHMS/0.017 OHMS DC
RES. SEC #2 HAS 16 TURNS OF #9CE WIRE.
SEC #1 HAS 10 TURNS OF #17E WIRE. TEST
3/22/45 CRP:U-6314 CBM:769-424
MAR. 45 CBM:769-424 ALT 0

-302011
VOLTAGE 2500 PEAK, MOUNTED IN CAN.

CRV-302012 TBS-8
REACTOR
IMPEDANCE 1600 OHMS MIN. MEASURED AT 3
VOLTS 60 CYCLES AC AND 0.050 AMPS DC.
INDUCTANCE 5 HENRIES, 1850 TURNS OF #30
EN. COPPER WIRE, 80 OHMS DC RESISTANCE,
IRON CORE, ASSEMBLY POTTED IN CASE. HI-
POT TEST 1500 VOLTS.
3/22/45 CRV:RT-514 CRV:M-440 791
MAR. 45 SUB 0

CBM-302013 QCR
REACTANCE TRANSFORMER
WINDING A: 18 HENRIES, 630 TURNS #30 E
WIRE, 22 OHMS DC. WINDING B: 140 MILLI-
HENRIES, 5650 TURNS #34E WIRE, 620 OHMS
DC. WINDING C: 18 HENRIES, 630 TURNS #30
E WIRE, 22 OHMS DC.

3/17/45 CBM:772-3017 772-3017
MAR. 45 CBM:336-BU-S ALT 0

CRP-302014 SU
TRANSFORMER
PRI: 115/1/60 225 TURNS #19E WIRE 1.37
OHMS DC 1.3 AMPS. SEC #1: 300V CT. 0.3
AMPS 710 TURNS #25E WIRE 18.7 OHMS DC.
SEC #2: 2.5V CT. 7 AMPS 6 TURNS 2X16E
WIRE 0.0123 OHMS DC. SEC #3: 2.5V CT. 7
*DL74-1072 SUB 2
3/21/45 CRP:U-8811 CRP:DV92-932G1
MAR. 45 SUB 2 *

CRP-302014
AMPS 6 TURNS 2X16E WIRE 0.0123 OHMS DC.
SEC #4: 6.3V 1.5 AMPS 15 TURNS 2X21E
WIRE 0.091 OHMS DC. ELECTROSTATIC
SHIELD. IRON CORE - CASED IN RECTANGULAR
CAN.

-302015 SO-7H/7N
IGNITION COIL
PRI: 2.7 TO 2.9 OHMS AT 80°F, 375 TURNS
#22 WIRE WOUND IN 4 LAYERS. SEC: 2600
OHMS, 1000 TURNS #36 EN. WIRE FOR 12
VOLT SYSTEM.

3/21/45 CDS:4101 CM-0101
MAR. 45 CDO:18849 REV 0

-302016 QGA
PLATE & FILAMENT TRANSFORMERS
PRI: 115/1/60 344 TURNS #20E WIRE 2.4
OHMS DC MAX. SEC #1: 750V CT. 0.113 AMPS
2400 TURNS #26E WIRE 92 OHMS DC MAX.
6.3V CT. 6 AMPS 20 TURNS #13E WIRE 0.04
OHMS DC MAX. 5V, 3 AMPS 16 TURNS #15E
WIRE 0.06 OHMS DC MAX. HERMETICALLY
3/21/45 CRP:U-8379 CBM:1000A-90
MAR. 45 CBM:956-5 REV 0

SEALED. ***302016**

-302017 QGA
FILAMENT TRANSFORMER
PRI #1: 220/440/1/60 666 TURNS #26E WIRE
15 OHMS DC. #2: 220/440/1/60 666 TURNS
#26E WIRE 16.7 OHMS DC. SEC #1: 2.5V 5
AMPS 8 TURNS #13E WIRE 0.012 OHMS DC.
#2: 2.5V 5 AMPS 8 TURNS #13E WIRE 0.012
OHMS DC. #3: 2.5V 5 AMPS 8 TURNS #13E
3/21/45 CRP:U-8370 1000A-166
MAR. 45 CBM:960-2 ALT 1

302017
WIRE 0.014 OHMS DC. #4: 2.5V 15 AMPS 8
TURNS 0.074 X 163 0.0069 OHMS DC.
ELECTROSTATIC SHIELD. HERMETI-
CALLY SEALED.

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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-302018 QGA
PLATE & FILAMENT TRANSFORMER
PRI: 115/1/60 347 TURNS 21E WIRE 2.65 OHMS DC MAX. SEC #1: 430V CT. 0.145 AMP 1380 TURNS #29E WIRE 80 OHMS DC MAX. 6.3V CT. 5 AMPS 20 TURNS 2X18E WIRE 0.048 OHMS DC MAX. 5V CT. 3 AMPS 16 TURNS 2X19E WIRE 0.05 OHMS DC MAX. 3/21/45 CRP:U-8400 1000A-91
MAR. 45 CBM:956-6 ALT Q

HERMETICALLY SEALED.

- 302018

CJE- 302023 MARK 13 MOD 0
TRANSFORMER, INPUT
SHELL TYPE. OPERATES FROM 10-500 CPS; IMPEDANCE RATIO, PRI/SEC IS 200/25,000 OHMS. PRI (1-2): 875 TURNS #34 GA E WIRE 76 OHMS DC RES; OPEN-CIRCUIT INDUCTANCE WITH 3V, 60 CPS ± 2% ACROSS TERMINALS 1 & 2. CW:SPEC KS-9332, ISS 1, APP. 1
3/22/45 467-001-259 CW:ESO-657002
MAR. 45 ISS 4 *

CAWC- 302029 CABL-74039
TRANSFORMER
PRI. RATED 115V AT 50 CPS. 0.287 AMP. 560 TURNS #27 WIRE. 16 OHMS DC RES. SEC #1: 3200 TURNS CT. #36 WIRE. 650 OHMS DC RES. 305-0-305V, 0.05 AMP. SEC #2: 34 TURNS, CT. #20 WIRE, 6.3V, 1.5 AMPS. VARNISH DIPPED AND BAKED AFTER ASSEMBLY.
3/21/45 8296 CABL:H45D40004
MAR. 45 REV 0

CAWC- 302030 CABL-74039
TRANSFORMER
PRI. RATED 220-0-220V, 5 WATTS, 4390 TURNS, CT. #37 WIRE, 800 OHMS DC RES. SEC. RATED 115V, 3 WATTS, 1500 TURNS #35 WIRE, 210 OHMS DC RES. ELECTROSTATIC SHIELD BETWEEN WINDINGS.
3/21/45 8295 CABL:H45D40005
MAR. 45 REV 0

-302019 QGA
GRID PLATE TRANSFORMER
PRI: 0-55/1/60 1250 1/2 TURNS #35E WIRE 133 OHMS DC. 0.3025 WATTS MAX. SEC: 0-55 VOLTS 0.005 AMPS 1250 1/2 TURNS #35E 169 OHMS DC. HERMETICALLY SEALED.

3/21/45 CRP:U-7433 980-6
MAR. 45 CBM:980-6 ALT Q

CRY- 302024 TBS-8
FILTER TRANSFORMER
CONSISTS OF 2 IRON CORE REACTORS #1 AND #2 POTTED IN CASE, CONNECTED IN SERIES AND CENTER TAPPED AT COMMON TERMINAL. REACTOR #1/#2 RATED IMPEDANCE 900 OHMS/4,000 OHMS AT 3V, 60 CYCLES AC AND 110 *M-440776 REV 0
3/22/45 CRY:K-900589
MAR. 45 P-13 REV 6 *

CTR- 302031 TCS SERIES
TRANSFORMER, INPUT
POWER RATING 0.02 WATTS. INDUCTANCE 112 MILLIHENRIES AT 1000 CPS. PRI #1, 75 OHMS IMPEDANCE. 240 TURNS OF 32 E WIRE, 9.4 OHMS DC RESISTANCE. SEC #1 125,000 OHMS IMPEDANCE 9922 TURNS OF 42 E WIRE, 5100 OHMS DC RESISTANCE, CENTER TAPPED.
3/22/45 8004A COL:677 2130 00
MAR. 45 CANCELLED REV 8

- 302020 QGA
PLATE TRANSFORMER
PRI: 115/1/60 210 TURNS 15E WIRE 0.66 OHMS DC. 660 WATTS. 1740 RMS VOLTS TO GROUND. SEC #1: 300V, 1.0 AMPS 575 TURNS 20E WIRE 7.32 OHMS DC. SEC #2: 300V 1.0 AMPS 575 TURNS 20E WIRE 9.00 OHMS DC. CORE GROUNDED. HERMETICALLY SEALED.
3/21/45 CRP:U-7411 980
MAR. 45 CBM:930-1 ALT Q

CRY- 302024
AMPS DC/3V, 60 CYCLES AC AND 0.050 AMPS DC: 130 OHMS/350 OHMS DC RES; 1840/4500 TURNS OF #33/#33 WIRE; CORE AND COIL IMPREGNATED.

CTR- 302031
TURNS RATIO 1:41, PRI #1 TO SEC #1. FREQUENCY RESPONSE 150 CYCLES TO 5000 CYCLES. ELECTROSTATIC SHIELD.
CANCELLED

CG- 302021 SX
TRANSFORMER, PULSE
PRI. 1000V PEAK. CONSISTS OF TWO WINDINGS IN SERIES. EACH 140 TURNS 0.005" F WIRE, 24.54 OHMS TOTAL DC RES. SEC. 750V PEAK, CONSISTS OF TWO WINDINGS IN SERIES ONE 140 TURNS 0.005" F WIRE, THE OTHER 70 TURNS 0.01" F WIRE, TOTAL DC RES.
3/22/45 80G91 CHC:22502
MAR. 45 REV 0

CW- 302025 SJA
RETARDATION COIL
INDUCTANCE 5 HENRIES AT 3 VOLTS 1600 CYCLES WITH 10 MILLIAMPS DC. 4000 TURNS OF #35 GA E WIRE. 345 OHMS DC RESISTANCE. SHELL TYPE, IRON CORE, CASED AND POTTED IN RECTANGULAR METAL CASE.
*KS-9468 ISS 1
3/22/45 CW:ESO-660633
MAR. 45 ISS 1

- 302032 TCS SERIES
TRANSFORMER, MODULATION
OPERATION FROM 1500 OHMS TO 6000 OHMS. POWER 20 WATTS. IMPEDANCE OF 1500 OHMS V 0.075 AMPS DC MAX. EACH HALF OF PRI #1. PRI #1 CENTER TAPPED. EACH HALF 850 TURNS OF #33 AWG WIRE WHOLE PRI. 182.67 OHMS DC RESISTANCE. SEC #1. 6000 OHMS
3/22/45 CTR:7533 COL:677 2010 00
MAR. 45 CTR:1-44605-A 05601

CG- 302021
12.89 OHMS. HIPOTENTIAL 2500V. ALL COILS. PRI. INDUCTANCE 0.03 HENRY MIN WITH 10V 400 CPS APPLIED TO TERMINALS 1 & 2. HERMETICALLY SEALED.

CTR- 302026 TCZ
TRANSFORMER, POWER
PRI/SEC. 125/1000V. 266/2260 TURNS OF #19/#27 E WIRE. 1,887 OHMS/80.34 OHMS DC RESISTANCE. TAPPED 224.245/1130 TURNS. 2500V/2500V TEST. SEC 0.212 AMPS FOR EACH SECTION. ELECTROSTATIC SHIELD. CASED AND POTTED.
3/23/45 8165-A COL:672 265000
MAR. 45 REV 0

CTR- 302032
IMPEDANCE, 1702 TURNS OF #35 AWG, 182.00 OHMS DC RESISTANCE. TURNS RATIO 1:1:1: PRI: #1: SEC: #1. TEST VOLTAGE 3000V. FREQ. RESPONSE 5000 CYCLES + 1 DB. HERMETICALLY SEALED. ELECTROSTATIC SHIELD.

CRY- 302022 TBS-8
REACTOR ASSEMBLY
CONSISTS OF TWO IDENTICAL REACTORS POTTED AND CASED. COIL AND CORE WAX IMPREGNATED. IRON CORE, IMPEDANCE 272 OHMS MIN AT 3V, 60 CYCLES AC AND 0.40 AMPS DC. INDUCTANCE 0.8 HENRY. EACH REACTOR HAS *M-440734 REV 3
3/22/45 CRY:K-900556
MAR. 45 G501 REV 8 *

CTR 302027 TCZ
TRANSFORMER, PLATE
PRI/SEC: 125/2800V. 164/3800 TURNS OF #14/#25 E WIRE, 12.5/145, 745 OHMS DC. 2500/5000V. TEST. SEC. CENTER TAPPED. PRI. TAPPED 138. 151 TURNS. SEC. RATED 0.247 AMPS. ELECTROSTATIC SHIELD. CASED & POTTED.
3/23/45 8163-A COL:672 263000
MAR. 45 REV 0

CTR- 302033 TCS SERIES
TRANSFORMER, AUDIO OUTPUT
POWER: 2.5 WATTS. IMPEDANCE OF 7500 OHMS AT 1500 VOLTS, 30 MA. PRI. #1 7500 OHMS IMPEDANCE, 3040 TURNS OF #38 E WIRE, 860 OHMS DC RESISTANCE. INDUCTANCE 13 HENRIES AT 1000 CYCLES. SEC #1. 500 OHMS *CKP:IR-1021-C
3/22/45 CTR:7537 COL:6772270 00
MAR. 45 CTR:1-45564 D9106 *

CRY- 302022
1200 TURNS OF #25 E COPPER WIRE, 18 OHMS DC RESISTANCE; HIPOT. IS 2000V.

CTR- 302028 TCZ
TRANSFORMER, POWER
PRI./SEC. 125/135V. 520/612 TURNS OF 26E/27E WIRE. 8.8/13.0 OHMS DC RESISTANCE. 2500V/2500V TEST. PRIM. TAPPED 438, 479 TURNS. SEC. 40.5VA. ELECTROSTATIC SHIELD. CASED AND POTTED.
3/23/45 8162-A COL:674 262000
MAR. 45 REV 0

CTR- 302033
INDUCTANCE, 884 TURNS OF #33 E. CENTER TAPPED, 25 OHMS DC RESISTANCE. INDUCTANCE 1.45 HENRIES AT 1000 CYCLES. TURNS RATIO 3.37:1:1: PRI #1: SEC #1. HERMETICALLY SEALED. ELECTROSTATIC SHIELD.

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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Class 30—Transformers and Reactors

3.30-115

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CTR-302034 TCZ
 TRANSFORMER
 TURNS RATIO PRI. TO SEC #1, 1:0.695;
 PRI. TO SEC. #2, 1:0.254. PRI: 15,000
 OHMS IMPEDANCE. CT. 2200 TURNS #34 E
 WIRE, 251 OHMS DC RES. 4250V TEST. SEC
 #1: 7300 OHMS IMPEDANCE, 1550 TURNS
 #31 E WIRE, 118 OHMS DC RES. 4250V TEST.
 3/23/45 7950 COL:677 252000
 MAR. 45 D 05420

CTR-302034
 #2: 970 OHMS IMPEDANCE, 564 TURNS
 #38 E WIRE, 152 OHMS DC RES. 2500V TEST.
 FREQUENCY RESPONSE 300 TO 4000 CYCLES.
 CONTAINED IN RECTANGULAR CAN.

CTR-302035 TCZ
 TRANSFORMER
 TURNS RATIO PRI. TO SEC #1, 1:0.695, PRI
 TO SEC #2, 1:0.254. PRI: 15000 OHMS IM-
 PEDANCE. CT. 4250V. TEST. SEC #1: 7300
 OHMS IMPEDANCE, 4250V. TEST. SEC #2:
 970 OHMS IMPEDANCE, 2500V. TEST. POWER:
 50 WATTS AUDIO MAX. FREQUENCY RESPONSE
 3/23/45 7950 COL:677 0002 00
 MAR. 45 D-8461

CTR-302035
 300 TO 4000 CYCLES. HERMETICALLY SEALED
 IN RECTANGULAR CAN.

CTR-302036 TCZ
 TRANSFORMER
 TURNS RATIO PRI. TO SEC. 1:41. PRI: 75
 OHMS IMPEDANCE. 200 TURNS #32 E WIRE
 1000V. TEST. SEC: 125,000 OHMS IMPEDANCE
 8194 TURNS #42 E WIRE 1000V. TEST. FRE-
 QUENCY RESPONSE 100 TO 5000 CYCLES. PO-
 WER 0.2 WATTS. ELECTROSTATIC SHIELD.
 3/23/45 7823-D COL:6772590 00
 MAR. 45 D9288

CTR-302036
 CONTAINED IN RECTANGULAR METAL CASE.

CTR-302037 TCZ
 TRANSFORMER
 TURNS RATIO PRI. TO FULL SEC. 1.67:1.
 PRI. 5000 OHMS IMPEDANCE, 2084 TURNS #37
 E WIRE 1500V. TEST. SEC. TERMS 3-4: 1000
 OHMS IMPEDANCE 687 1/2 TURNS #35 WIRE 75
 OHMS DC RES. TERMS 5-6: 1000 OHMS IMPE-
 DANCE 687 TURNS #35 WIRE 82 OHMS DC RES.
 3/23/45 7821-D COL:677 253000
 MAR. 45 D-9290

CTR-302037
 TERMS 4 & 5 CONNECTED. FREQUENCY RE-
 SPONSE 300 TO 4000 CYCLES. ELECTROSTATIC
 SHIELD. CONTAINED IN RECTANGULAR CASE.

CTR-302038 TCZ
 OUTPUT TRANSFORMER:
 PRI: 4000 OHMS IMPEDANCE 1510 TURNS #38E
 WIRE 1500V TEST. SEC. LEADS 3-4:200.0
 OHMS IMPEDANCE 177 TURNS #32E WIRE. SEC.
 LEADS 4-5: 50 OHMS IMPEDANCE, 88 TURNS
 #29E WIRE. SEC. LEADS 5-6: 5 OHMS IM-
 PEDANCE, 45 TURNS #27E WIRE. SEC. LEADS
 3/23/45 10082-D COL:677254000
 APR. 45 D 9289

CTR-302038
 6-7: 3.12 OHMS IMPEDANCE, 22 TURNS #25E
 WIRE. SEC. LEADS 7-8: 0.78 OHMS IMPED-
 ANCE, 12 TURNS #22E WIRE. SEC. LEADS
 8-GRD: 0.195 OHMS IMPEDANCE 11 1/2 TURNS
 #19E WIRE. ELECTROSTATIC SHIELD. POWER 1
 WATT. FREQUENCY RESPONSE 300 TO 4000
 CYCLES. CASED IN RECTANGULAR CAN.

CJS-302039 TCZ
 TRANSFORMER:
 TURNS RATIO PRI. TO SEC., 9.15:1. FRE-
 QUENCY RESPONSE 200 CYCLES TO 5000
 CYCLES. PRI: IMPEDANCE 500 OHMS, 800
 TURNS #31E WIRE 31.1 OHMS DC. SEC: IM-
 PEDANCE 6 OHMS, 95 TURNS #26E WIRE 1.3
 OHMS DC. RATED 2 WATTS IRON CORE.
 3/23/45 2-3069-2 COL:667705100
 APR. 45 D 6686

CTR-302040 TCZ
 TRANSFORMER, IMPEDANCE MAT-
 CHING: PRI LEAD 1-2: 200 OHMS IMPED-
 ANCE 294 TURNS #27E WIRE. PRI LEAD 1-3:
 400 OHMS IMPEDANCE 419 TURNS #31E WIRE.
 PRI LEAD 1-4: 600 OHMS IMPEDANCE 512
 TURNS #33E WIRE. SEC 5-6: 42 OHMS IM-
 PEDANCE, 140 TURNS #24E WIRE. SEC 5-7:
 3/23/45 8161 COL:677261000
 APR. 45 REV. 0

CTR-302040
 60 OHMS IMPEDANCE, 167 1/2 TURNS #27E
 WIRE. SEC 5-8: 82 OHMS IMPEDANCE, 195 1/2
 TURNS #28E WIRE. SEC 5-9: 106 OHMS IM-
 PEDANCE, 263 TURNS #28E WIRE. POWER
 0.006 WATTS AUDIO. PRI & SEC GROUNDED TO
 CASE. ELECTROSTATIC SHIELD. FREQUENCY
 RESPONSE 300 TO 4000 CYCLES. CONTAINED
 IN RECTANGULAR CAN.

CTR-302041 TCZ
 TRANSFORMER:
 PRI: 882 TURNS #28E WIRE 2500V TEST,
 24.4 OHMS DC. PRI LEAD 1-2: 105V, 50/60
 CYCLES. LEAD 1-3: 110V 50/60 CYCLES.
 LEAD 1-4: 115V 50/60 CYCLES. LEAD 1-5:
 120V 50/60 CYCLES. LEAD 1-6: 125V 50/60
 CYCLES. SEC. LEAD 7-8: 1.25V, 10 AMPS.
 3/23/45 7973-C COL:672264000
 APR. 45 REV 0

CTR-302041
 10 TURNS #12 SCE WIRE 0.027 OHMS. LEAD
 8-9: 1.25V, 10 AMPS, 10 TURNS #12 SCE
 WIRE 0.027 OHMS. ELECTROSTATIC SHIELD.
 ENCLOSED IN RECTANGULAR METAL CAN.

CTR-302042 TCZ
 FILAMENT TRANSFORMER:
 PRI: 882 TURNS #28E WIRE 2500V. TEST,
 24.4 OHMS DC. PRI LEAD 1-2: 105V, 50/60
 CYCLES. LEAD 1-3: 110V 50/60 CYCLES.
 LEAD 1-4: 115V 50/60 CYCLES. LEADS 1-5:
 120V 50/60 CYCLES. LEAD 1-6: 125V 50/60
 CYCLES. SEC 7-8: 1.25V, 10 AMPS, 10
 3/23/45 7973-B COL:672266000
 APR. 45 REV. 0

CTR-302042
 TURNS #12 SCE WIRE 0.027 OHMS. SEC. 8-9:
 1.25V, 10 AMPS 10 TURNS #12 SCE WIRE
 0.027 OHMS. ELECTROSTATIC SHIELD. EN-
 CLOSED IN RECTANGULAR METAL CAN.

CJE-302043 BN RE 13A 5538
 PULSE TRANSFORMER: & ADD. 2
 PRI: 70 MICROHENRIES AT 1000 CYCLES.
 CONSISTS OF 225 TURNS OF WIRE. SEC: 260
 MICROHENRIES AT 1000 CYCLES. CONSISTS
 OF 450 TURNS OF WIRE. 1500 VOLT INSULA-
 TION.

3/24/45 467001.228 CFN-300362 P1
 APR. 45 REV. 4

-302044 QGA
 PLATE TRANSFORMER:
 PRI: 115/1/60, 512 TURNS #26E WIRE
 13.2 OHMS DC RES. 36 WATTS. SEC #1/#2
 2.5VCT/2.5VCT, 6.5/6.5 AMPS, 12/12 TURNS
 13E/13E WIRE, 0.019/0.020 OHMS DC. HER-
 METICALLY SEALED IN RECTANGULAR CAN.

3/26/45 CRP:U-7414 CBM-1000A-4
 APR. 45 CBM-980-4 ALT. 1

302045 QGA
 FILAMENT TRANSFORMER:
 PRI: 115/1/60, 550 TURNS #26EN WIRE,
 7.8 OHMS DC, 1780 RMS VOLTS GROUND, 34
 WATTS. SEC #1/2/3/4 6.3/5/20/20V, 2.0/
 3.0/0.01/0.01 AMPS 32/26/106/106 TURNS
 #18EN/16EN /31EN/31EN WIRE, 0.09/0.06/
 7.7/8.1 OHMS DC. SEC #2 TAPPED AT 13
 3/26/45 CRP:U-8358 CBM-1000A-7
 APR. 45 CBM-958-21 ALT. 1

-302045
 TURNS. HERMETICALLY SEALED IN A RECTANG-
 ULAR CAN. ELECTROSTATIC SHIELD.

-302046 QGA
 PLATE TRANSFORMER:
 PRI: 115/1/60 158 TURNS #19E WIRE 1.2
 OHMS DC 1780 RMS VOLTS TO GROUND, 304
 WATTS. SEC #1/#2 300/300V, 0.5/0.5 AMPS
 434/434 TURNS #23E/23E WIRE 10.9/13.2
 OHMS DC. HERMETICALLY SEALED IN REC-
 TANGULAR CAN.
 3/26/45 CRP:U-7412 CBM-980-2
 APR. 45 CBM-980-2 ALT. 0

-302047 QGA
 PLATE TRANSFORMER:
 PRI: 115/1/60, 320 TURNS #23E WIRE 4.52
 OHMS DC, 1780 RMS VOLTS TO GROUND, 87
 WATTS. SEC #1/#2 510VCT/650VCT 0.15/
 0.015 AMPS 1500/1910 TURNS #29E/38HF
 WIRE 107/1200 OHMS. HERMETICALLY SEALED
 IN RECTANGULAR CAN.
 3/26/45 CRP:U-7413 CBM:908-3
 APR. 45 CBM:980-5 ALT 0

302048 QGA
 PLATE TRANSFORMER:
 PRI: 115/1/60 1400 TURNS #39E WIRE, 380
 OHMS DC 1275 RMS VOLTS TO GRD. 2.25
 WATTS. SEC #1/#2 220/220V, 0.005/0.005
 AMPS 2370/2870 TURNS #40E/#40E WIRE,
 1090/1270 OHMS DC. HERMETICALLY SEALED
 IN RECTANGULAR CAN.
 3/26/45 CRP:U-8357A CBM-958-20
 APR. 45 CBM-958-20 ALT. 1

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RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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-302049 QGA
 FILAMENT TRANSFORMER:
 PRI #1: 220/440/1/60 666 TURNS #26E WIRE
 15 OHMS DC. PRI #2: 220/440/1/60 666
 TURNS #26E WIRE 16.7 OHMS DC. SEC #1/2/3
 10VCT/6.3VCT/6.3VCT, 6.5/2.5/1.8 AMPS,
 32/20/20 TURNS #12E/16E/17E WIRE .039/
 .069/.092 OHMS. ELECTROSTATIC SHIELD.
 3/26/45 CRP:U-8368 CBM-1000A-171
 APR. 45 CBM-960-7 ALT. 2

-302049
 HERMETICALLY SEALED IN RECTANGULAR CAN.

-302050 QGA
 PLATE & FILAMENT TRANS-
 FORMER: PRI #1: 220/440/1/60 408 TURNS
 #24E WIRE 9.2 OHMS DC 222 WATTS. PRI #2:
 220/440/1/60 408 TURNS #24E WIRE 10.3
 OHMS DC 50 WATTS. SEC #1/2: 380VCT/
 5VCT, .53/9 AMPS, 750/10 TURNS #22E/
 11E WIRE 15/0.017 OHMS DC.
 3/26/45 CRP:U-8357 CBM-1000A-170
 APR. 45 CBM-960-6 ALT. 0

-302051 QGA
 PLATE & FILAMENT TRANS-
 FORMER: PRI: 115/1/60 510 TURNS #29E
 WIRE 26 OHMS DC 1780 RMS VOLTS TO GND.
 30 WATTS. SEC #1/2 2300/2.5V. 0.004/2.0
 AMPS 10200/12 TURNS #40E/18E WIRE 6300/
 0.06 OHMS DC. ELECTROSTATIC SHIELD. HER-
 METICALLY SEALED IN RECTANGULAR CAN.
 3/26/45 CRP:U-8378 CBM-1000A-40
 APR. 45 CBM-954-44 ALT. 1

CRP- 302052 CBM-50AFO
 CHOKE:
 TWO IDENTICAL WINDINGS, EACH RATED 0.15
 AMPS DC, 10 HENRIES INDUCTANCE, 2200
 TURNS #29E WIRE, 139 OHMS DC RES. HER-
 METICALLY SEALED.

3/27/45 WX-5081-A CBM-1000A-193
 APR. 45 ALT. 2

CBM- 302053 QGA
 MODULATOR TRANSFORMER AS-
 SEMBLY: PRIMARY RATED INDUCTANCE 91.25
 MILLIHENRIES AT 1000 CYCLES IN AIR. 2050
 TURNS OF 3X40 LITZ WIRE, 215 OHMS DC
 RES. SEC #1 AND #2 29.9/29.9 MILLIHENRIES
 AT 7 MILLIAMPS, 225 TURNS OF 3X40 LITZ
 WIRE, 30 OHMS DC RESISTANCE MOUNTED IN
 3/27/45 960-3020 CBM-3020
 APR. 45 ALT. 4

CBM- 302053
 CAN, FILLED WITH COMPOUND.

CRP- 302054 CBM-50AFO.
 CHOKE:
 INDUCTANCE 10 HENRIES; 0.15 AMP DC;
 2200 TURNS 29E WIRE, 139 OHMS DC RES.
 HERMETICALLY SEALED.

3/27/45 U-8822-A CBM-1000A-191
 APR. 45 ALT. 1

CRP- 302055 CBM-50AFO
 PLATE & FILAMENT TRANS-
 FORMER: PRI RATED 115V, 60 CPS, 1.74
 AMPS, 362 TURNS 18E WIRE, 1.53 OHMS DC
 RES. SEC. #1: 650V, 0.23 AMP, 2210 TURNS
 27E WIRE, 9.25 OHMS DC RES. SEC #2 & #3
 EACH RATED 5.0V, 3.0 AMPS, 17 TURNS 16E
 WIRE, 0.0612 OHMS DC RES. SEC #4: 6.3V,
 3/27/45 UX-8689-A CBM-1000A-140
 APR. 45 ALT. 2

CRP- 302055
 6.8 AMPS, 21 1/2 TURNS 2XP5 EN WIRE,
 0.0358 OHMS DC RES. HERMETICALLY SEALED.

CRP- 302056 CBM-50AFO
 PULSE TRANSFORMER:
 CONSISTS OF 3 WINDINGS; A:40 TURNS 2AT32
 E WIRE, 0.485 OHMS DC RES. B: 40 TURNS
 ZAT32E WIRE, 0.52 OHMS DC RES. C: 80
 TURNS 32E WIRE, 2.2 OHMS DC RES. HER-
 METICALLY SEALED.

3/27/45 UX-8092 CBM-1000A-139
 APR. 45 ALT. 2

-302057 QGA
 PLATE & FILAMENT TRANS-
 FORMER: PRI: 115/1/60 0.57 AMPS 272
 TURNS #24E WIRE 5 OHMS DC 1780 RMS
 VOLTS TO GROUND. SEC#1/2/3 580VCT/6.3VCT
 /5V, 0.055/2.0/3.0 AMPS 1500/16/
 14 TURNS #29E/17E/16E WIRE 102/0.078/
 0.058 OHMS 2500/2500/2500 RMS VOLTS TO
 3/27/45 CRP:U-8380 CBM-1000A-89
 APR. 45 CBM-956-4 ALT. 1

-302057
 GROUND. HERMETICALLY SEALED IN RECTAN-
 GULAR CAN.

-302058 QGA
 PLATE TRANSFORMER:
 PRI #1: 220/440/3/60 415 TURNS #20E WIRE
 3.9 OHMS DC, 3.5 KVA APPRO. PRI #2: 220/
 440/3/60 415 TURNS #20E WIRE 4.6 OHMS
 DC. SEC #1: 960V 0.6 AMPS 640 TURNS #21E
 WIRE 11.5 OHMS DC. SEC #2: 960V 0.6 AMPS
 640 TURNS #21E WIRE 11.5 OHMS DC. MAY
 3/27/45 CRP:U-8369A CBM-1000A-165
 APR. 45 CBM-960-1 ALT. 0

-302058
 BE CONNECTED SO THAT THE PRIMARY WIND-
 INGS ARE IN PARALLEL AT 220V, OR IN
 SERIES AT 440V.

CRP- 302059 SGA/SGI
 PLATE & FILAMENT TRANS-
 FORMER: PRI: 115/1/60 0.650 AMPS 303
 TURNS #23E WIRE 3.4 OHMS DC, 0.075 KVA.
 SEC #1/2 640VCT/5V 0.163/3 AMPS 1800/14
 TURNS #29E/17E WIRE, 92.0/0.055 OHMS DC.

3/27/45 UX-7792A DY92-336G1
 APR. 45 REV. 19

CTH- 302060 QGB
 POWER STEP-DOWN TRANS-
 FORMER: PRI: 115/1/60 1.1 AMPS 334
 TURNS #20E WIRE 2.4 OHMS DC 130VA. SEC:
 78V, 1.5 AMPS 238 TURNS #19E WIRE 1.6
 OHMS DC. ENCLOSED IN CAN.

3/27/45 T-48204 CRV-W-306484-67
 APR. 45 REV. 3

CTR- 302061 TCZ SERIES
 FILTER REACTOR:
 INDUCTANCE 6 HENRIES AT 10 VOLTS 120
 CYCLES WITH 0.3 AMPS DC, 2050 TURNS OF
 #23 PLAIN ENAMELED WIRE, 40 OHMS DC RES.
 2500 VOLTS TEST, MAX IMPREGNATED, CASED
 AND POTTED. IRON CORE OPERATION VOLTAGE
 NOT TO EXCEED 500 VOLTS.
 3/24/45 CTR-8039 COL-678239000
 APR. 45 COL-678239000 REV. 0

CTR- 302062 TCZ SERIES
 FILTER REACTOR:
 INDUCTANCE 0.15 HENRIES AT 10 VOLTS,
 1000 CYCLES WITH 1.0 AMPS DC, 320 TURNS
 OF #17 PLAIN ENAMEL WIRE, 1 OHM DC RES-
 ISTANCE, TEST VOLTAGE 2500 MAX IMPREG-
 NATED; IRON CORE, CASED AND POTTED.

3/24/45 CTR-8160 COL-678260000
 APR. 45 COL-678260000 REV. 0

CTR- 302063 TCZ SERIES
 FILTER REACTOR:
 INDUCTANCE 6 HENRIES AT 21 VOLTS RMS 120
 CYCLES WITH 0.4 AMPS DC 2033 TURNS OF
 #24 PLAIN ENAMELED WIRE, DC RESISTANCE
 55.4 OHMS, TEST VOLTAGE 10000V, IRON
 CORE, MAX IMPREGNATED, CASED AND POTTED.
 OPERATING VOLTAGE NOT TO EXCEED 2100V DC.
 3/24/45 CTR-6513 COL-678151000
 APR. 45 COL-678151000 REV. 0

CTR- 302064 TCS-9,11,12
 TRANSFORMER, PLATE:
 PRIMARY RATED 37.5 VA. PRI/SEC 125/1/
 50-60/250V.503/2150 TURNS, 23E/30E WIRE,
 6.432/56.17 OHMS DC RESISTANCE, 2500/
 2500 TEST VOLTS. SECONDARY RATED 53 VA
 34 WATTS DC. SECONDARY CENTER TAPPED.
 TURNS RATIO: PRI (TERMINALS 1-4): SEC:
 3/24/45 7156 COL-672224000
 APR. 45 REV. 0

CTR- 302064
 4.35:1 PRI. TAPPED AT 105V, 110V, 115V,
 120V. ELECTROSTATIC SHIELD. HERMETICAL-
 LY SEALED.

CTR- 302065 TCS-9-11-12
 TRANSFORMER, FILAMENT:
 PRIMARY/SEC, 30/30 VA, 125/1/50-60/3VCT
 694/30 TURNS, #26E/13 SCE WIRE 10.8/.039
 OHMS DC RESISTANCE, 2500/2500V CT TEST.
 TURNS RATIO PRI (1-4): SEC: 1.23:1. PRI
 TAPPED AT 105,110,115 & 120 VOLTS. ELEC-
 TROSTATIC SHIELD. HERMETICALLY SEALED.
 3/24/45 7147 COL-672217000
 APR. 45 REV. 1

CTR- 302066 TCS-9-11-12
 TRANSFORMER, FILAMENT:
 PRI. RATED 10.8 WATTS DC PRI/SEC#1/SEC#2
 (CENTER TAPPED), 125V/1/50-60/15.6/
 6.3V EACH HALF, 580/78/64 (TOTAL) TURNS
 OF #25E/#22E/#16SCE(TOTAL) WIRE, 8.8/0.8
 /.12/.73 OHMS DC RES. 2500V/2500V/2500V,
 SEC#1/SEC#2, 1.0A/3.5A/3.5A TURNS
 3/24/45 8379 COL-672243000
 APR. 45 REV. 1

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		CTR-302066 RATIO PRI (1-4): SEC 1:: 7.37:1 PRI (1-4) SEC 2:: 9.14:1. PRI TAPPED AT 105,110, 115 AND 120 VOLTS. ELECTROSTATIC SHIELD. HERMETICALLY SEALED.			CTR-302070 OF SEC #2. 6.3/6.3V. 3.5/3.5 AMPS. 64 TURNS OF #16 SCE WIRE 0.11/0.12 OHMS DC RES. 2500V TEST. HERMETICALLY SEALED, ELECTROSTATIC SHIELD.			CTR-302075 TCS-12 TRANSFORMER, FILAMENT PRI. RATED 230V. TAPPED AT 115V. LEAD (1-2) 50/60 CYCLES. 115V. 489 TURNS OF #24E WIRE. LEAD (2-3) 115V 494 TURNS OF #28E WIRE LEADS (1-3) 2500V TEST. SEC #1 16-6V 1.25 AMPS, 79 1/2 TURNS OF #22E *CKP:TR-11000-A 3/26/45 8681 COL:67200050 APR. 45 D 9128 *
		CTR-302067 TCS-9,11,12 TRANSFORMER PLATE: PRI/SEC (CENTER TAPPED) 165VA/235VA (TOTAL) 125V/550V/550V SINGLE PHASE 50- 60 CYCLES. 265/2462(TOTAL)TURNS OF #18 SCE/ #27E WIRE. 1.6610/41.95/47.93 OHMS DC RESISTANCE, 2500/2500/2500 VOLTS TEST. TURNS RATIO TERMINALS. PRI 1 TO 5: 3/24/45 8100 COL:672268000 APR. 45 REV. 2			CTR 302071 TCS-10 TRANSFORMER FILAMENT PRI. RATED 30VA, 250/1/50-60V. TAPPED AT 210, 220, 230, AND 240V. 1335 TURNS OF #29E WIRE. 46.0 OHMS DC RESISTANCE. 2500V TEST 1ST HALF OF SEC/2ND HALF OF SEC. 2.5/2.5V 6.0 AMPS/6.0 AMPS. 30 TURNS OF #13 SCE WIRE. .05/.050 OHMS, 3/26/45 8478 COL:6722860 00 APR. 45 REV 0			CTR-302075 WIRE, 2500V. SEC #2 CENTER TAPPED, EACH HALF 6.3V, 3.5 AMPS. WHOLE SEC. 60 TURNS OF 2 - #20 WIRE, 2500V TEST. HERMETICAL- LY SEALED, ELECTROSTATIC SHIELD. TURNS RATIO PRI: SEC 1:: 3.85:1 PRI: SEC 2::18.28:1.
		CTR-302067 SEC#1:: 1:9.56. PRI TAPPED AT 105V,110V, 115V, AND 120V. ELECTROSTATIC SHIELD. HERMETICALLY SEALED.			CRT-302071 2500V. TURNS RATIO: TERMINAL (1-4): SEC::46:1. HERMETICALLY SEALED, ELECTRO- STATIC SHIELD.			CTR-302076 TCS-12 TRANSFORMER, FILAMENT PRI. RATED 30VA, 230V. TAPPED AT 115V. LEAD (1-2) 50/60 CYCLES. 115V, 590 TURNS OF #27E WIRE; LEAD (2-3) 115V, 602.5 TURNS OF #30E WIRE; LEAD (1-3) 2500V TEST. SEC #1 RATED 30VA CENTER TAPPED. *CKP:TR-11001 3/11/44 3/27/45 8680 COL:67200600 APR. 45 D 10150 *
		CTR-302068 TCS-10 TRANSFORMER PLATE PRI: 37.5V.A, 250/1/50-60V. TAPPED AT 210, 220, 230, AND 240V. 1008 TURNS #26E WIRE, 25.5 OHMS DC SEC#1/#2: 250/250V. 0.106/0.106 AMPS, 2150 TURNS #30E WIRE, 52/58 OHMS DC, 53VA 34 WATTS DC. TOTAL TURNS RATIO PRI (1-4): SEC:2.17:1. 3/24/45 8556 COL:672 2830 00 APR. 45 REV 0			CTS-302072 TCS-SERIES TRANSFORMER MATCHING PRIMARY RATING: 2 WATTS. PRIM/SEC. 500 OHMS/6 OHMS IMPEDANCE, 800/95 TURNS OF 31E/26E WIRE, 31.0634/1.2767 OHMS. PRIM: SEC: 9.15:1. FREQUENCY RESPONSE 200 TO 5000-CYCLES. CANCELLED 3/26/45 COL:6677051 00 APR. 45 REV 2			CTR-302076 EACH HALF 2.5V, 6.0A, WHOLE SECONDARY, 28 TURNS OF #13SC WIRE. 2500V TEST. HER- METICALLY SEALED, ELECTROSTATIC SHIELD. TURNS RATIO PRI: SEC::46:1.
		CTR-302068 ELECTROSTATIC SHIELD. HERMETICALLY SEALED.			CTR-302073 TCS-12 TRANSFORMER, PLATE PRI. 37.5 VA. PRI. 50/60 CYCLES 230V. TAPPED AT 115V. LEAD (1-2) 454 TURNS OF #24E WIRE. LEADS (2-3) 460.5 TURNS OF #27E WIRE. LEAD (1-3) 2500 RMS. SEC. RATED 53 VA. CENTER TAPPED, EACH HALF *CKP:TR-11003 3/11/44 3/26/45 8678 COL:672000300 APR. 45 D 10825 *			CRP-302077 VD-2 PLATE AND FILAMENT TRANSFORMER PRI: 115/1/60. 0.165 AMPS, 520 TURNS #28 E WIRE, 21 OHMS DC. 115 VOLTS. SEC #1/ #2: 2.5/4580V 3.0/0.002 AMPS, 12/22,000 TURNS #16E/41HE WIRE. 0.032/18000 OHMS DC. ELECTROSTATIC SHIELD. 3/28/45 UX-8592A DV-92-473-1 APR. 45 SUB 9
		CTR-302069 TCS-10 TRANSFORMER, PLATE PRI RATED 165VA, 250/1/50-60V. TAPPED AT 210, 220, 230, AND 240V. 530 TURNS OF #21E WIRE, 6.0 OHMS DC RESISTANCE 2500V TEST. SECONDARY CENTER TAPPED. 1ST HALF OF SEC/2ND HALF OF SEC. 550/550V, 0.212/ 0.212 AMPS, 2462 TURNS OF #27E WIRE, 3/24/45 8458 COL:6722840 00 APR. 45 REV 0			CTR-302073 250V, 0.106 AMPS. WHOLE SEC 2104 1/2 TURNS OF #31E WIRE, 2500 RMS TEST. HER- METICALLY SEALED. ELECTROSTATIC SHIELD.			CRP-302078 VD-2 FILAMENT TRANSFORMER PRI: 115/1/50/60. 0.5 AMPS, 430 TURNS #24E WIRE, 6.5 OHMS DC. 0.064 KVA. SEC #1/#2/#3 6.3/5.0/6.3V. 5.7/3.0/0.6 AMPS. 25/20/25 TURNS #2X16E/16E/22E WIRE. 0.036/0.069/0.360 OHMS DC. DOUBLE GROUND ELECTROSTATIC SHIELD. 3/23/45 UX-727AA DV92-336C3 APR. 45 REV 19
		CTR-302069 41.5/47.5 OHMS DC RESISTANCE, 2500V TEST 235VA, 148 WATTS DC. ELECTROSTATIC SHIELD. HERMETICALLY SEALED.			CTR-302074 TCS-12 TRANSFORMER, PLATE PRI.M. RATED 165 VA, 230V TAPPED AT 115V. LEAD (1-2) 50/60 CYCLES, 115V, 244 TURNS OF #18E. LEAD (2-3) 115V, 249 TURNS OF #21E WIRE. LEAD (1-3) 2500 V TEST. SEC. RATED 235VA. CENTER TAPPED, EACH HALF *CKP:TR-11002-A 3/26/45 8679 COL:672000400 APR. 45 D 10825 *			CRP-302079 VD-2 PLATE TRANSFORMER PRI: 115/1/60. 0.48 AMPS, 420 TURNS #24E WIRE, 5.95 OHMS DC. SEC: 1000V CT. 0.067 AMPS, 3900 TURNS #33E WIRE, 540 OHMS DC. ELECTROSTATIC SHIELD. HERMETICALLY SEALED. 3/28/45 UX-8590 DV92-477G1 APR. 45 REV 8
		CTR-302070 TCS-10 TRANSFORMER PRI RATED 10.8 WATTS, 250/1/50-60V. TAPPED AT 210, 220, 230, AND 240V. 1155 TURNS OF #28E WIRE, 34 OHMS DC RESISTANCE, 2500V TEST. SEC #1, 15.6V, 1 AMP. 78 TURNS OF #22E WIRE 0.75 OHMS, 2500 V TEST. 1ST HALF OF SEC #2/2ND HALF 3/24/45 8479 COL:6722850 00 APR. 45 REV 0			CTR-302074 550V, 0.212 AMPS. WHOLE SEC 2462 TURNS OF #27E WIRE, 2500V TEST. HERMETICALLY SEALED. ELECTROSTATIC SHIELD. TURNS RATIO PRI:SEC::1:4.78.			CRP-302080 VD-2 PLATE AND FILAMENT TRANSFORMER PRI: 115/1/50/60. 0.700 AMPS, 344 TURNS #23E WIRE, 4.20 OHMS DC. 80VA. SEC#1/#2/ #3: 850V. CT./5/6.3V. 0.075/3/1.5 AMPS, 2628/16/20 TURNS #35E/2X19E/18E WIRE, 380/0.053/0.110 OHMS DC. ELECTROSTATIC SHIELD. 3/28/45 UX-7483-B DV92-713G1 APR. 45 REV 3

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CRV-302081 DAQ TRANSFORMER, FILAMENT PRI. RATED 115V, 95 MA, 10VA. CONSISTS OF 920 TURNS #33E WIRE, SEC. RATED 8V, 1 AMP. CT, RMS TEST VOLTS 1600, CONSISTS OF 160 TURNS OF #22E WIRE. GCTC: 3/28/45 CFT:NCP-104-4 CFT:NCP-104-4 APR. 45 CAKY: 0 ISS C			CRV-302086 TRANSFORMER INCLUDES A CAPACITOR, MICA 3900 MHF 400V DC. HERMETICALLY SEALED. #2/#3 CONSISTS OF 10/10/25 TURNS OF 0.040 X 0.130CE/0.040 X 0.130CT/2 X 18EN WIRE OF 0.015/0.015/0.080 OHMS DC RES. AT 2.5/2.5/5.3V AT 6.5/6.5/4.0 AMPS. 1780V RMS TEST FOR 1 MIN. -302090					
-302082 DAQ TRANSFORMER, POWER PRI. RATED 170 MA, 115V RMS, 60 CPS AC. 480 TURNS OF #29E WIRE, SEC 1/2/3 CONSISTS OF 9950/11/28 TURNS OF #40E/2-21E/#23E WIRE; SEC #1 RATED 2300V RMS, 0.002 AMP. DC, SEC #2 RATED 2.5V, 1.75 AMPS. SEC #3 RATED 4.3V, 0.6 AMPS. 3/28/45 CFT:NCP-47-8 CFT:NCP-47-8 APR. 45 CTC.CAKY: ISS F			CRV-302087 TBS-8 TRANSFORMER, OUTPUT OPERATION FROM 50 TO 600 OHMS. TURNS RATIO: 1:6:: PRI:SEC #1. IMPEDANCE OF SEC #1 600 OHM MIN. AT 3 VOLTS, 60 CYCLES, 0.0085 AMPS DC. PRI. 88 TURNS OF #29E CU WIRE, 2.38 OHMS DC RESISTANCE AT 25°C. SEC. 528 TURNS OF #29E COPPER 3/29/45 CRV:M-440780 APR. 45 REV 1			-302091 AN/UPA-4 RE13A553 TRANSFORMER PRI RATED 80VA CONSISTS OF 450 TURNS OF #22E WIRE OF 3.92 OHMS DC RES. 115V @ 0.695 AMPS, 50-500 CPS, SEC 1/2/3/4 CONSISTS OF 870/870/87/87 TURNS OF #25/25/31/31E WIRE OF 20.2/20.2/10.2/10.2 OHMS DC RES. 200/200/10/20V. SEC #1 RATED 3/29/45 CRP:U-8844 APR. 45		
CRV-302083 TBS-8 TRANSFORMER, AUDIO OPERATION FROM 600 TO 5400 OHMS. IMPEDANCE OF SEC. 5100 MIN OHMS. TURNS RATIO 1:3:: PRI: SEC. PRI. 550 TURNS OF #34E CU WIRE; 37.7 OHMS AT 25°C; CENTER TAPPED. SEC. 5100 OHMS MIN. IMPEDANCE; *K-900544 G501 REV 7 3/28/45 CRV:M-440760 APR. 45 REV 1 *			CRV-302087 WIRE, 16.7 OHMS DC RESISTANCE AT 25°C. SEC. CENTER TAPPED. FREQUENCY RESPONSE 300 TO 3500 CYCLES. -302091 0.35 AMPS. 1780V RMS TEST FOR 1 MINUTE.					
CRV-302083 1650 TURNS OF #34E CU WIRE, CENTER TAPPED. 140 OHMS DC RESISTANCE. FREQUENCY RESPONSE 300 CYCLES TO 3500 CYCLES. CONTAINED IN CAN. -302092 AN/UPA-4 RE13A553 TRANSFORMER PRI. RATED 2.0VA (1-3)/(1-2) CONSISTS OF 1600/695 TURNS OF #34/34E WIRE 128/55 OHMS DC RES. 115V @ 0.017 AMP. 60 CPS/50V, 0.04 AMPS. SEC. #1/2 CONSISTS OF 1200/1200 TURNS OF #40/40E WIRE OF 476/515 OHM DC RES. 80/80V. AT 0.002/0.002 3/29/45 CRP:U-8849 APR. 45			CRP-302088 WCA CHOKE, A.F. CONSISTS OF 2 COILS. MINIMUM INDUCTANCE 0.016 HENRIES AT 14 AMPS DC WHEN COILS ARE CONNECTED IN SERIES. COIL #1/COIL #2 HAVE 90/90 TURNS OF 0.074 X 0.162 DC WIRE/0.074 X 0.162 DC WIRE, 0.063/0.092 OHMS MAX DC RESISTANCE. TEST VOLTAGE 3/29/45 CRP:U5313 CBM:769-425 APR. 45 CBM:769-425 ALT 0					
CRV-302084 TBS-8 TRANSFORMER OPERATION FROM 50,000 OHMS TO 550 OHMS IMPEDANCE. TURNS RATIO, 3:1:: PRI:SEC. PRI. 28,000 MIN OHMS IMPEDANCE. 3900 TURNS OF #36E CU WIRE, 550 OHMS DC RESISTANCE AT 25°C CENTER TAPPED. SEC 1300 TURNS OF #29E CU WIRE, 54.5 OHMS DC 3/28/45 CRV:K-900549 APR. 45 G501 REV 7			CRP-302088 1780 R.M.S. LAMINATED IRON CORE. -302092 AMPS, 1275V RMS TEST FOR 1 MIN.					
CRV-302084 RESISTANCE AT 25°C CENTER TAPPED. FREQ. RESPONSE 300 CYCLES TO 3500 CYCLES. HERMETICALLY SEALED. -302089 AN/UPA-4 RE13A553 TRANSFORMER PLATE PRI. RATED 24VA CONSISTS OF 770 TURNS OF #27E WIRE OF 17.3 OHMS DC RES. AT 115V @ 0.19 AMPS, 50-500 CPS, 1780V RMS TEST FOR 1 MINUTE. SEC #1/#2 CONSISTS OF 4424/1850 TURNS OF #38E/32E OF 2000/178 OHMS DC RES. AT 600/250 VOLTS AND 3/29/45 CRP:U-8842A APR. 45			CRV-302089 TBS-8 TRANSFORMER OPERATION FROM 12600 TO 7400 OHMS. TURNS RATIO 1.7:1::PRI:SEC. PRIM. 5200 MIN OHMS IMPEDANCE AT 30V, 60 CYCLES, 0.68 AMPS. DC. PRIM. 2850 TURNS OF #29E CU WIRE, 140 OHMS ± 10% DC RES. AT 25°C. *K-900543/G 501 REV 8 3/28/45 CRV:M-440923 APR. 45 REV 4 *					
-302085 DAQ REACTOR, FILTER INDUCTANCE 15 HENRIES WITH 85MA DC. FLOWING THROUGH THE REACTOR. CONSISTS OF 4300 TURNS OF #32 E WIRE OF 375 OHMS DC RESISTANCE. 3/28/45 CFT:NCP-4-6 CFT:NCP-4-6 APR. 45 CTR: CAKY: ISS F			-302089 0.0165/0.077 AMPS AT 2500/1780V. RMS. SEC. CENTER TAPPED. -302093 SEC. 1675 TURNS #29E CU WIRE, 101 OHM ± 7 1/2% AT 25°C. PRI. TAPPED AT 1425 TURNS. FREQUENCY RESPONSE 300 CYCLES TO 3500 CYCLES.					
CRV-302086 TBS-8 TRANSFORMER, AUDIO OPERATION FROM 24000 OHMS TO 600 AND 380 OHMS. TURNS RATIO: 6.25:1::PRI: SEC. #1. 7.84:1::PRI: SEC #2. PRI/SEC #1/SEC. #2. 4700.5/750/600 TURNS OF #36/#36/#36E CU WIRE, 600/127/109 OHMS AT 25°C. THIS *M-86013/P576 REV 7 3/29/45 CRV:M-440743 APR. 45 REV 4 *			-303090 AN/UPA-4 RE13A553 TRANSFORMER PRI. RATED 201VA, CONSISTS OF 835 TURNS #21 EN WIRE, 6.70 OHMS DC RES. 230V @ 1.1 AMP, 50-500 CPS, 1780V RMS TEST, PRI TAPPED AT 655, 418, 334, 290, 160 TURNS. 180V @ 1.1A, 115V @ 1.1 AMP, 90V AT 0.26 AMP. 78V @ 0.30A, 43V @ 0.47A. SEC #1/ 3/29/45 CRP:U-8845A APR. 45					
CRV-302086 TRANSFORMER, FILAMENT CONSISTS OF ONE PRIMARY AND 5 FILAMENTS POTTED IN CASE. PRI: 350 TURNS OF #19E CU WIRE, 2.44 OHMS DC RES., 230V, TAPPED AT 210V, 220V. SEC: FIL. #1 12 TURNS OF #18 DCC 0.040" DIAM., 0.025 OHMS AT 25°C 4 AMPS TAPPED AT 6 TURNS, FIL. #2: 12 3/28/45 CRV:M-440782 APR. 45 REV 2			CRV-302086 TRANSFORMER, AUDIO OPERATION FROM 24000 OHMS TO 600 AND 380 OHMS. TURNS RATIO: 6.25:1::PRI: SEC. #1. 7.84:1::PRI: SEC #2. PRI/SEC #1/SEC. #2. 4700.5/750/600 TURNS OF #36/#36/#36E CU WIRE, 600/127/109 OHMS AT 25°C. THIS *M-86013/P576 REV 7 3/29/45 CRV:M-440743 APR. 45 REV 4 *					

Class 30—Transformers and Reactors

3.30-119

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION		
TURNES OF #18 DCC WIRE, 0.026 OHMS DC RESISTANCE. 4.0 AMPS TAPPED AT 6 TURNS. FIL #3: 4 TURNS OF #13E CU WIRE, 0.0085 OHMS DC RESISTANCE AT 25°C, 5.0 AMPS, TAPPED AT SECOND TURN. FIL #4: 10 TURNS OF #13E CU WIRE, 0.022 OHMS AT 25°C, 4.0 AMPS. FIL. #5, 12 TURNS OF #15 DCC WIRE, 0.017 OHMS DC RESISTANCE AT 25°C, 8.0 AMPS. TAPPED AT 6 TURNS.		CRY-302094	CAWL-302101 SR-2 TRANSFORMER, AUTO PRI. WINDING RATED 440V NOMINAL, 60 CPS. (VOLTAGE RANGE 396-480V.) 1 AMP; 594 TURNS #19E WIRE, 4.65 OHMS DC RES. SEC. RATED 110V, 5 AMPS, 154 TURNS #14E WIRE, 0.54 OHMS DC RES. INPUT 440V, 1 AMP. AT TERMINALS 1-2, OUTPUT 550V, 5 AMPS AT 3/30/45 P-60040		CRY:M-439013 REV 2	CW-302106 MARK 3, MOD 2 TRANSFORMER PRI. RATED 200 WATTS, 55-65 CPS. PRI/SEC #1/SEC #2/SEC #3/SEC #4. 115V/1320V CT/ 6.4V CT/2.55/5.1V CT, 2.1/0.175/2.7/ 1.75/4.0 AMPS, 126/1530/7.5/3/6 TURNS OF 19/29/18/16/16 GA. E WIRE, 0.95/130/ 0.057/0.031/0.037 OHMS DC RESISTANCE.		3/30/45		ESA-649199 ISS 1
CTR-302095 TCZ SERIES REACTOR INDUCTANCE 0.25 HENRIES AT 3 TO 4 VOLTS, 1000 CYCLES, 1492 TURNS TAPPED AT 496 TURNS OF #33 PLAIN ENAMEL WIRE, 600 OHMS DC RESISTANCE (TERMS 1-2), IRON CORE, CASED.			CAWL-302100 SR-2 REACTOR RATED 15.1 HENRIES AT 60 CPS, 0.15 AMPS, 2900 TURNS OF #28E WIRE, 135 OHMS DC RES. HERMETICALLY SEALED.			CW-302106 ELECTROSTATIC SHIELD. SEC #4 660 RMS, SILICON STEEL CORE. CASED AND POTTED.				
3/28/45	CTR:7822	COL:578 2470 00	3/30/45	G-50003	CRV:M-433635					
APR. 45	COL:678 2470 00 D	8462	APR. 45		REV 2					
CRP-302096 SO-4 AUDIO CHOKES INDUCTANCE 30 HENRIES AT 4000 VOLTS, 400 CYCLES WITH 0.03 AMPS DC, 4930 1/2 TURNS OF #36 HF WIRE, 912 OHMS DC RES, 1094 OHMS MAX DC RES, IRON CORE, CASED, OIL FILLED, HERMETICALLY SEALED. TEST VOLT- *CRP:SPEC. UX-8887D			CAWL-302101 TERM. 1-3. HERMETICALLY SEALED.			CW-302107 MARK 3 MOD 2 TRANSFORMER PRI. 145 WATTS, 130/162 VA. 55-65 CPS. SINGLE PHASE. PRI/SEC #1/SEC #2/SEC #3/ SEC #4. 115V/1030V CT/2.6V CT/6.35/5.1V, 1.3/0.110/5/4/3 AMPS, 172/1580/4/10/8 TURNS, 20/29/4-20/3-20/2-20 GA. E WIRE, 1.2/110/0.011/2.033/0.04 OHMS DC RESIS-		3/27/45	92-5172	CRP:DU74-1332
APR. 45		SUB 0 *			REV 2	3/30/45		ESA-649984		ISS 2
		CRP-302096				APR. 45		ISS 2		
AGE 12000 RMS.			CAWL-302102 SR-2 TRANSFORMER, POWER PRI. RATED 115V, 60 CPS, 3.0 AMPS, 324 TURNS #21E WIRE, 2.55 OHMS DC RES. SEC. #1: 800V, CT, 0.16 AMP, 2340.5 TURNS #30E WIRE, 190 OHMS DC RES. SEC. #2: 6.4V, 1.2 AMPS, 19 TURNS #20E WIRE, 0.22 OHMS DC RES. SEC. #3: 6.4V, 1.2 AMPS, 19		3/30/45	P-60041	CRV:M-433644			REV 2
			APR. 45		REV 2					
			CAWL-302102 SR-2 TRANSFORMER, POWER PRI. RATED 115V, 60 CPS, 3.0 AMPS, 324 TURNS #21E WIRE, 2.55 OHMS DC RES. SEC. #1: 800V, CT, 0.16 AMP, 2340.5 TURNS #30E WIRE, 190 OHMS DC RES. SEC. #2: 6.4V, 1.2 AMPS, 19 TURNS #20E WIRE, 0.22 OHMS DC RES. SEC. #3: 6.4V, 1.2 AMPS, 19		3/30/45	P-60041	CRV:M-433644			REV 2
			APR. 45		REV 2					
			CAWL-302102 SR-2 TRANSFORMER, POWER PRI. RATED 115V, 60 CPS, 3.0 AMPS, 324 TURNS #21E WIRE, 2.55 OHMS DC RES. SEC. #1: 800V, CT, 0.16 AMP, 2340.5 TURNS #30E WIRE, 190 OHMS DC RES. SEC. #2: 6.4V, 1.2 AMPS, 19 TURNS #20E WIRE, 0.22 OHMS DC RES. SEC. #3: 6.4V, 1.2 AMPS, 19		3/30/45	P-60041	CRV:M-433644			REV 2
			APR. 45		REV 2					
CSN-302097 Sja TRANSFORMER PRI. RATED 184 WATTS, 115/1/60V. PRI/SEC #1/SEC #2/SEC #3/SEC #4/SEC #5, 115/ 15.6/6.35/27.2/6.6/5.15V, 1.6/1.6/1.0/ 2.2/6.0/5.0 AMPS, 192/27.5/11/47/11.5/9 TURNS OF #20/20/20/16/16/16 WIRE, 1.6/ *SPEC. KS-9039 ISS 2			CAWL-302107 MARK 3 MOD 2 TRANSFORMER PRI. 145 WATTS, 130/162 VA. 55-65 CPS. SINGLE PHASE. PRI/SEC #1/SEC #2/SEC #3/ SEC #4. 115V/1030V CT/2.6V CT/6.35/5.1V, 1.3/0.110/5/4/3 AMPS, 172/1580/4/10/8 TURNS, 20/29/4-20/3-20/2-20 GA. E WIRE, 1.2/110/0.011/2.033/0.04 OHMS DC RESIS-		3/30/45		ESA-649984			ISS 2
3/28/45		CW:ESO-645703			REV 2	APR. 45		ISS 2		
APR. 45		ISS 5								
			CAWL-302107 MARK 3 MOD 2 TRANSFORMER PRI. 145 WATTS, 130/162 VA. 55-65 CPS. SINGLE PHASE. PRI/SEC #1/SEC #2/SEC #3/ SEC #4. 115V/1030V CT/2.6V CT/6.35/5.1V, 1.3/0.110/5/4/3 AMPS, 172/1580/4/10/8 TURNS, 20/29/4-20/3-20/2-20 GA. E WIRE, 1.2/110/0.011/2.033/0.04 OHMS DC RESIS-		3/30/45		ESA-649984			ISS 2
			APR. 45		REV 2					
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			APR. 45		REV 2					
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			APR. 45		REV 2					
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			APR. 45		REV 2					
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			APR. 45		REV 2					
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			APR. 45		REV 2					
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			APR. 45		REV 2					
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			APR. 45		REV 2					
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			APR. 45		REV 2					
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			APR. 45		REV 2					
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			APR. 45		REV 2					
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			APR. 45		REV 2					
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			APR. 45		REV 2					
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			APR. 45		REV 2					
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			APR. 45		REV 2					
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			APR. 45		REV 2					
			CAWL-302107 MARK 3 MOD 2 TRANSFORMER PRI. 145 WATTS, 130/162 VA. 55-65 CPS. SINGLE PHASE. PRI/SEC #1/SEC #2/SEC #3/ SEC #4. 115V/1030V CT/2.6V CT/6.35/5.1V, 1.3/0.110/5/4/3 AMPS, 172/1580/4/10/8 TURNS, 20/29/4-20/3-20/2-20 GA. E WIRE, 1.2/110/0.011/2.033/0.04 OHMS DC RESIS-		3/30/45		ESA-649984			ISS 2
			APR. 45		REV 2					
			CAWL-302107 MARK 3 MOD 2 TRANSFORMER PRI. 145 WATTS, 130/162 VA. 55-65 CPS. SINGLE PHASE. PRI/SEC #1/SEC #2/SEC #3/ SEC #4. 115V/1030V CT/2.6V CT/6.35/5.1V, 1.3/0.110/5/4/3 AMPS, 172/1580/4/10/8 TURNS, 20/29/4-20/3-20/2-20 GA. E WIRE, 1.2/110/0.011/2.033/0.04 OHMS DC RESIS-		3/30/45		ESA-649984			ISS 2
			APR. 45		REV 2					
			CAWL-302107 MARK 3 MOD 2 TRANSFORMER PRI. 145 WATTS, 130/162 VA. 55-65 CPS. SINGLE PHASE. PRI/SEC #1/SEC #2/SEC #3/ SEC #4. 115V/1030V CT/2.6V CT/6.35/5.1V, 1.3/0.110/5/4/3 AMPS, 172/1580/4/10/8 TURNS, 20/29/4-20/3-20/2-20 GA. E WIRE, 1.2/110/0.011/2.033/0.04 OHMS DC RESIS-		3/30/45		ESA-649984			ISS 2
			APR. 45		REV 2					
			CAWL-302107 MARK 3 MOD 2 TRANSFORMER PRI. 145 W							

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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STEEL CORE.
CW-302110

HERMETICALLY SEALED.
CRP-302116

CAY-302121 WFA
TRANSFORMER:
INDUCTANCE, 0.25 HENRIES. PRI. RATED 70 RMS. 400 TURNS OF #36E WIRE, 53 OHMS DC RESISTANCE, 1500 RMS VOLTS TEST, SEC. RATED 70 RMS, 400 TURNS OF #36E WIRE, 50 OHMS DC RESISTANCE, 1500 RMS VOLTS TEST, SEC. CENTER TAPPED. FREQUENCY 4/2/45 L-426509 CBM-1000A-121
MAY 45 ALT 1

CJE-302111 SL-1
TRANSFORMER, PLATE:
PRI RATED 635 WATTS, 50-60 CPS. PRI/SEC 115V/2106V, 6.2/0.315 AMPS, 123/2326 TURNS, 0.065X0.130 RECT-DC/25A WIRE, 0.130/98.0 DC RESISTANCE. SILICON STEEL CORE. CONTAINED IN RECTANGULAR CASE. INCLUDES: THERMO SNAP SWITCH SPST 125V 3/30/45 465-001-179 CW:ESA-659807
APR. 45 ISS. 1

CRP-302117 WFA
FILTER CHOKE:
INDUCTANCE 6 HENRIES AT 80 MILLIAMPS DC. 2300 TURNS OF #34E WIRE, 310 OHMS DC RESISTANCE, CASE STEEL FINISHED, CADMIUM PLATE, HERMETICALLY SEALED.

CAY-302121
LIMITS 16-45 KC ± 2 db, CORE MATL: IRON. HERMETICALLY SEALED IN AN IRON CAN.

CJE-302111
60 CPS, 8 AMP. N.C. OPENS AT 200°±3°F. KLIXON TYPE C-2851-1.

CRP-302118 WFA
FILTER CHOKE:
2501 TURNS OF #40E WIRE CENTER TAPPED AT 1250 1/2 TURNS, INDUCTANCE FROM START TO TAP 0.75 HENRIES, FROM START TO FINISH 3 HENRIES, 195 OHMS DC RES. FROM START TO TAP 390 OHMS DC RES. START TO FINISH, IRON CORE, MOUNTED IN CAN, HER-3/31/45 CRP-U-8335 CBM-1000A-189
APR. 45 CBM-1000A-107 ALT 1

CAY-302122 WFA
TRANSFORMER, OUTPUT:
INDUCTANCE, 0.045 HENRIES, PRI. RATED: 700V RMS, 700 TURNS OF #30E WIRE 16.0 OHMS DC RESISTANCE, 1500V RMS TEST. SEC #1: 78V RMS, 78 TURNS OF #24E WIRE, 0.2 OHMS DC RESISTANCE. SEC #2: 78V RMS, 78 TURNS OF #24E WIRE, 0.2 OHMS DC RES. 4/2/45 L-426511 CBM-1000A-122
MAY 45 ALT 1

CRP-302112 SGA/SG1
TRANSFORMER, PLATE:
PRIMARY RATED 0.095 KVA. PRI/SEC#1/SEC #2, 115/123/156V, 0.825/0.61-AMPS. 274.5/305.5/66.5 TURNS, 22E/23E/24E, 3.56/5.2/1.5 OHMS DC RESISTANCE. SECONDARY #2 TAPPED AT 22 AND 44 1/2 TURNS. HERMETICALLY SEALED, IRON CORE. 3/30/45 UX-7802 DL74-792 REV 9
APR. 45 SPEC.7802 SUB 11

HERMETICALLY SEALED.
CRP-302118

CAY-302122
SISTANCE. SEC #1 AND SEC #2 1500V RMS. PRI. CENTER TAPPED. FREQ. LIMITS 16-45 KC ± 2 db. ELECTROSTATIC SHIELD. IRON CORE.

CRP-302113 SGA/SG1
TRANSFORMER, INPUT:
PRI. RATED 0.005 KVA. SINGLE PHASE 60 CPS, PRI/SEC, 115/6V, 0.44/0.4 AMPS. 2350/123 TURNS OF #34E/25E WIRE, 160/1.6 OHMS DC RESISTANCE. HERMETICALLY SEALED, IRON CORE. 3/30/45 UX-7839 DU92-442-1 REV 4
APR. 45 UX7339 SUB 10

CAY-302119 WFA
TRANSFORMER, INPUT:
PRI #1: 2.25 HENRIES, PRI. POWER LEVEL 0.5 WATTS 800 TURNS OF 39EN WIRE, 180 OHMS DC RESISTANCE 1500 RMS TEST VOLTS. PRI #2 2.25 HENRIES, 300 TURNS OF 39EN WIRE 180 OHMS DC RES. 1500V RMS. SEC #1, 500 TURNS OF 39EN WIRE 118 OHMS DC RES. 4/2/45 L-426507 CBM-1000A-118
JUN. 45 ALT 2

CRP-302123 WFA
TRANSFORMER, FILAMENT:
PRI. RATED 42 WATTS, APPROX. 115/1/60, 0.41 AMPS, 448 TURNS OF 24E WIRE, 6.15 OHMS DC RESISTANCE, 1780V RMS TO GRD. SEC. 6.3V, 6.6 AMPS, 26 TURNS OF .040 X .130 CE WIRE, 0.32 OHMS DC RESISTANCE. CORE MATL: IRON. HERMETICALLY SEALED 4/2/45 U-8159 CBM-1000A-205
MAY 45 ALT 1

CAT-302114 SL
TRANSFORMER, VOLTAGE REGULATING: 1.8 KVA, 50/60 CYCLES, 100-130V RANGE INPUT, 115V FIXED OUTPUT MAX. BRUSH CURRENT, 18 AMPS.

CAY-302119
1500V RMS TEST VOLTS; FREQ. RESPONSE 16 KC TO 45 KC. CORE MAT'L IRON. HERMETICALLY SEALED IN RECTANGULAR CAN.

CRP-302123
IN A RECTANGULAR CAN.

3/31/45 CW:ESL-687198
APR. 45 ISS. 2

CRP-302115 *SEE BELOW
LINE VOLTAGE REGULATOR:
PRIMARY: 92 TO 138 VOLTS, 1 PHASE, 60 CYCLES, 5.5 AMPS. SECONDARY: 115 VOLTS, 3.86 AMPS, 0.445 KVA, 905 RF.

CAY-302120 WFA
TRANSFORMER:
INDUCTANCE 0.15 HENRIES. PRI RATED 0.5 WATTS, 3.5V RMS, 500 TURNS OF #36E WIRE. 60 OHMS DC RESISTANCE, 1500 RMS V TO GRD. SEC RATED, 3.5V RMS, 500 TURNS OF #36E WIRE, 60 OHMS DC RESISTANCE, 1500 RMS V TO GRD. FREQUENCY LIMITS 10 TO 45 KC 4/2/45 L-426508 CBM-1000A-120
MAY 45 ALT 1

CRP-302124 WFA
TRANSFORMER, FILAMENT & PLATE: PRI. RATED 54 WATTS, 115/1/60, 338 1/2 TURNS OF #23E WIRE, 4.3 OHMS DC RESISTANCE, 1780V RMS TO GROUND. SECONDARY #1, 280V, 0.12 AMPS, 884 TURNS OF #28E WIRE, 44.5 OHMS DC RESISTANCE. SEC #2, 5V, 3.0 AMPS, #16E WIRE, 0.066 4/2/45 U-8836 CBM-1000A-180
MAY 45 ALT 1

*ACCESSORY FOR VH
3/31/45 WX-5754
APR. 45 SUB. 2.

CRP-302116 WFA
FILTER CHOKE:
CONSISTS OF 2 CHOKES CONNECTED IN SERIES AND CT BY COMMON TERMINAL, MOUNTED IN CAN. FIRST CHOKE 0.225/0.020 AMPS, INDUCTANCE 1.0/3.0 HENRIES. SECOND CHOKE 0.225 AMPS, INDUCTANCE 1.75. EACH HAS 1120 TURNS OF #26E WIRE, 27 OHMS DC RES. 3/31/45 CRP-W-3971 CBM-1000A-181
APR. 45 CBM-1000A-181 ALT. 1

CAY-302120
± 2 db CORE MATL: IRON. HERMETICALLY SEALED IN AN IRON CAN.

CRP-302124
OHMS DC RESISTANCE. BOTH SECONDARIES CENTER TAPPED. CORE MATL: IRON. ELECTROSTATIC SHIELD. HERMETICALLY SEALED IN A RECTANGULAR CAN.

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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Class 30—Transformers and Reactors

3.30-121

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CRP-302125 WFA FILTER CHOKE INDUCTANCE 30 HENRIES; 0.08 AMPS DC; 5150 TURNS OF #32E WIRE, 660 OHMS DC RES MOUNTED IN CAN. HERMETICALLY SEALED, IRON CORE. TEST VOLTAGE 1780 RMS.	3/31/45	CRP:U-8158	CBM:1000A-206	CRP-302129 SEALED IN RECTANGULAR CAN.	4/2/45	U-8353	CBM:1000A-190	CRP-302134 WFA TRANSFORMER, OUTPUT: TURN 1-2: 300 OHMS IMPEDANCE, 200 TURNS OF #32E WIRE, 10.7 OHMS DC RESISTANCE. TURNS 3-4: 30000 OHMS IMPEDANCE, 2000 TURNS OF #32E WIRE, 160 OHMS DC RESIS- TANCE, 20 HENRIES INDUCTANCE. CORE MATL. IRON. HERMETICALLY SEALED IN A RECTANGU- 4/2/45 U-8831 CBM:1000A-188 MAY 45 ALT 1
CRP-302126 WFA TRANSFORMER, FILAMENT: PRI. 31 VA. PRI 115/1/60, 0.27 AMPS, 572 TURNS, 26EN WIRE, 12-42 OHMS DC RESISTANCE 1780V RMS TEST. SEC. 6.3V, 4.4 AMPS, 34 TURNS OF #15EN WIRE, 0.075 OHMS DC RESISTANCE, SECONDARY CENTER TAPPED. CORE MATL: IRON. HERMETICALLY 4/2/45 U-8977 CBM:1000A-124 MAY 45 ALT 1	3/31/45	CRP:U-8158	CBM:1000A-206	CSY-302130 TEC TRANSFORMER FILAMENT: INPUT DELTA CONNECTED 190 TO 250V, 3Φ, 60- 3 INPUT TERMINALS. OUTPUT WYE CON- NECTED 900 VA TOTAL 230V, 4 OUTPUT TER- MINAL. CONSISTS OF 3 IDENTICAL STABI- LIZED TRANSFORMER MOUNTED AS ONE UNIT. PRI #1 OF EACH CONSISTS OF 430 TURNS OF 4/2/45 #30963 CSY: MAY 45	4/2/45	U-8831	CBM:1000A-188	CRP-302134 LAR CAN.
CRP-302126 SEALED IN A RECTANGULAR CAN.				CSY-302130 #18 SVE WIRE. SEC #2/#3 OF EACH CONSISTS OF 96/620 TURNS CT OF #19 SVE #17 SVE WIRE OF 24 TURNS FOR 4E/33 TURNS FOR 9L.				CRP-302135 WFA TRANSFORMER INPUT PRI. 0.03 HENRIES INDUCTANCE, 200.5 TURNS OF #34E WIRE, 6.5 ±20% OHMS DC RES. SEC. 10 HENRIES INDUCTANCE, 4000.5 TURNS OF #40E WIRE, 700 ±20% DC RES. FREQ. LIMIT 200 TO 15000 CPS. CORE MAT'L: IRON. HERMETICALLY SEALED IN A RECTANGU- 4/3/45 U-8171 CBM:1000A-215 MAY 45 ALT 5
CRP-302127 WFA TRANSFORMER, PLATE & FILA- MENT: PRI. RATED 66 VA, 115/1/60, 0.58 AMPS 425 TURNS OF 23E WIRE, 5.35 OHMS DC RESISTANCE 1780V RMS, TO GRD. SEC #1 73V, 0.6 AMPS, 309 TURNS OF 23E WIRE, 4.8 OHMS DC RESISTANCE. SEC #2, 6.3V, 2 AMPS, 25 TURNS OF #18E WIRE, 4/2/45 U-8965 CBM:1000A-98 MAY 45 ALT 2				CCV-302131 TEC TRANSFORMER, PLATE: INPUT PRI. 230V, 50-60 CPS, CONSISTS OF 490 TURNS #25EN WIRE OF 11 OHMS DC RES. OUTPUT SEC 800/400V 50 VA. CON- SISTS 1780 TURNS C.T. OF #29EN WIRE OF 1.20 OHMS DC RES. 2.5 KV INSULATION TEST. ELECTROSTATIC SHIELD. 4/2/45 T-7788 A-9225 MAY 45 CHANGE 0				CRP-302135 LAR CAN.
CRP-302127 0.145 OHMS DC RESISTANCE. HERMETICALLY SEALED. IN A RECTANGULAR CAN. IRON CORE.				CAT-302132 TEC TRANSFORMER, FILAMENT: INPUT PRI. 230V, 50/60 CYCLES 11 VA, CONSISTS OF 1630 TURNS OF #33 WIRE TAPPED AT 1480 AND 1550 TURNS AT 160 OHMS DC RES. MAX. SEC. OUTPUT 10V, 10.5V AND 11V CT BY PRIMARY TAPS. CONSISTS OF 76 TURNS OF #20E WIRE 0.46 OHMS DC RES. 4/2/45 #32833 S-67911 MAY 45 REV. 0				CRP-302136 WFA TRANSFORMER, PLATE PRI #1. 75VA, 115/1/60, 320 TURNS OF 23E WIRE, 4.72 OHMS DC RES. 1780 RMS V. TO GRD. SEC #1/SEC #2, 480V/650V, 0.13/ 0.015 AMPS. 1410/1910 TURNS OF 29E/38 HF WIRE 102/1200 OHMS DC RES. 1730/1740V RMS TO GRD. SEC 1 & 2 CENTER TAPPED. 4/3/45 U-8954 CBM:1000A-87 MAY 45 ALT 0
CRP-302128 WFA TRANSFORMER, FILAMENT: PRI. 2.3 VA, 115/1/60, 0.02 AMPS, 1600 TURNS OF 37E WIRE, 159 OHMS DC RESIS- TANCE 1275V TO GRD FOR ONE MINUTE. SEC. 2.9V, 0.19 AMPS, 40 TURNS OF 27E WIRE, 0.21 OHMS, 1275V TO GRD. FOR ONE MINUTE. HERMETICALLY SEALED IN A RECTANGULAR 4/2/45 U-8954 CBM:1000A-97 MAY 45 ALT 1				CAT-302132 MAX. 230V, 60- ON WINDING (1-2) NO LOAD ON SEC., IS 0.023 AMP, 1.3 WATTS MAX.				CRP-302136 IRON CORE. HERMETICALLY SEALED IN REC- TANGULAR CAN.
CRP-302128 CAN. IRON CORE.				CTR-302133 TEC TRANSFORMER: PRI. RATED 220V, 50/60-. CONSISTS OF 1830 TURNS OF #31 PE WIRE OF 81.8 OHMS DC RES. SEC RATED 110V 25 VA CONSISTS OF 1052 TURNS OF #29 PE WIRE OF 38.8 OHMS DC RESISTANCE. PRI. 18 LAYERS OF 102 TURNS/LAYERS. SEC 13 LAYERS OF 81 4/2/45 4766 CFV-32899 MAY 45				CRP-302137 WFA TRANSFORMER, PLATE PRI. RATED 315VA. PRIM. #1. 115/1/60, 2.75 AMPS, 433 TURNS OF 19E WIRE, 0.70 OHMS DC RESISTANCE, 1730 V RMS. SEC #1/ SEC #2, 350V/350V, 0.86/0.86 AMPS, 685/685 TURNS OF 21E WIRE, 9.55 OHMS DC RES. 1780/1780V RMS TO GRD. IRON CORE. 4/3/45 U-8952A CBM:1000A-86 MAY 45 ALT 4
CRP-302129 WFA TRANSFORMER, INPUT: COIL DATA: TAPPED AT 1455.5 TURNS. FIRST SECTION: 43000 OHMS IMPEDANCE. 1455.5 TURNS OF 38 EN WIRE, 185 OHMS DC RESISTANCE. SECOND SECTION: 100 OHMS, 70.5 TURNS OF 38EN WIRE, 6.21 OHMS DC RESISTANCE. IRON CORE. HERMETICALLY 4/2/45 U-8353 CBM:1000A-190 MAY 45 ALT 3				CTR-302133 TURNS/LAYERS.				CRP-302137 ELECTROSTATIC SHIELD. HERMETICALLY SEALED IN A RECTANGULAR CAN.

ASSIGNED ISSUED

ASSIGNED ISSUED

RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CRP- 302138 WFA
TRANSFORMER, PLATE
PRI. RATED 650VA, 115/1/60, 130 TURNS OF #14E WIRE, 0.34 OHMS DC RES. SEC. RATED, 1620V, 0.4 AMPS, 1920 TURNS OF #24E WIRE, 71 OHMS DC RES, SEC. CENTER TAPPED. ELECTROSTATIC SHIELD.

4/3/45 U-8983 CBM:1000A-184
MAY 45 1000A-184 ALT 1

CRP- 302139 WFA
TRANSFORMER, PLATE & FILAMENT
PRI. RATED 160VA, 115/1/60, 206 TURNS OF #20E WIRE, 1.7 OHMS DC RESISTANCE. SEC #1/SEC #2/SEC #3, 360/6.3/6.3V, 0.34/3.0/3.0 AMPS, 690/12/12 TURNS OF #25E/ #15E/ #15E WIRE, 22/0.042/0.047 OHMS DC RES. SEC #1, #2, #3 CENTER TAPPED.

4/3/45 U-8825 CBM:1000A-183
MAY 45 1000A-183 ALT 1

CRP- 302139
ELECTROSTATIC SHIELD, IRON CORE.

CAFT- 302143 NXsr-83353
CHOKE, FILTER
RATED 5 HENRIES AT 180 MA. DC. 2.5 KV INSULATION TEST, 2480 TURNS OF #29 WIRE, 115 OHMS DC RES.

4/2/45 CAFT:CS-13901 CKB:41-A4028-2
MAY 45 CHANGE 0

CAFT- 302144 NXsr-83353
TRANSFORMER, POWER
PRIMARY 117 VOLTS, 50/60 CPS. SECONDARY #1: 850 VOLTS ±2% CENTER TAPPED, 0.180 AMPS IS CT. CURRENT, SECONDARY #2: 5 VOLTS ±5% CENTERTAPPED, 3.0 AMPS IS CT CURRENT, SECONDARY #3: 6.0 VOLTS ±5% CENTERTAPPED, 2.0 AMPS IS CT CURRENT.

4/2/45 CAFT:CS-5688 CKB:41-A4027-2
MAY 45 CHANGE C

CAFT- 302144
SECONDARY #4: 6.85 VOLTS ±5% CENTERTAPPED, 5.5 AMPS IS C.T. CURRENT, HERMETICALLY SEALED.

CPU- 302148 NXsr-83353
CHOKE
RATED 13 HENRIES ±10%, 1400 OHMS ±22% DC RESISTANCE, 5800 TURNS OF #41 WIRE.

4/2/45 CPU:13648-S CKB:41-A4030-2
MAY 45 CHANGE 0

CPU- 302149 NXsr-83353
TRANSFORMER, INPUT
PRIMARY TERMS 4-1/4-2/4-3: 500/250/50 OHMS IMPEDANCE, 600 1/2 TURNS TAPPED AT 185 AND 415 TURNS, #35 WIRE. SECONDARY TERMS 5-6: 68,000 OHMS IMPEDANCE, 7200 TURNS OF #44 WIRE. SHIELD & GROUND: TERM 7 FREQUENCY RESPONSE 50 TO 8000

4/2/45 CPU:4413-S CKB:41-A4031-2
MAY 45 CHANGE B

CPU- 302149
CPS WITHIN ±1db, HERMETICALLY SEALED.

CRP- 302140 WFA
TRANSFORMER, PLATE & FILAMENT
PRI. RATED 124VA, 115/1/60, 258 TURNS OF #20E WIRE, 2 OHMS DC RESISTANCE. SEC #1/ FIL #1/FIL #2/FIL #3, 770/5/5/2.5V, 0.07/6.0/3.0/10.0 AMPS, 1820/12/12/6 TURNS OF 26E/2X15E/15E/2X15E WIRE, 72/0.023/0.05/0.10 OHMS DC RES. SEC & FILS. ARE CENTER

4/2/45 U-8824 CBM:1000A-182
MAY 45 1000A-182 ALT 1

CRP- 302140
TAPPED, IRON CORE.

CPU- 302145 NXsr-83353
OUTPUT TRANSFORMER
PRIMARY TURNS 1-3: 19 OHMS IMPEDANCE, CT AT TERM. 2, 1600 TURNS, CT, OF #29 WIRE. SECONDARIES TERMS 4-5/4-6/4-7/4-8/4-9/4-10: 2.5/4.0/8.0/15.0/30.0/50.0 OHMS IMPEDANCE POWER RATING 60 WATTS. FREQUENCY RESPONSE FLAT BETWEEN 50 TO

4/2/45 CPU:957-S CKB:41-A4025-2
MAY 45 CHANGE B

CPU- 302145
8000 CPS ±1db, HERMETICALLY SEALED.

CPU- 302150 NXsr-83353
TRANSFORMER, DRIVER
PRIMARY TERMS 3,4,5: 10,000 OHMS IMPEDANCE, 1800 TURNS, C.T. AT 900 TURNS (TERM 2), #32 WIRE SECONDARY TERMS: 1-2/6-7: 350 OHMS IMPEDANCE, 336 TURNS #27 WIRE FOR EACH SECONDARY. FREQUENCY RESPONSE 50 TO 8000 CPS ±1db.

4/2/45 CPU:4415-S CKB:41-A4032-2
MAY 45 CHANGE A

CPU- 302150
HERMETICALLY SEALED.

CAFT- 302141 NXsr-83353
TRANSFORMER, POWER
PRIMARY 115 VOLTS, 50/60 CPS, 175 TURNS OF 17E WIRE, 0.94 OHMS DC RES. SECONDARY #1: 1060 VOLTS ±2% CENTERTAPPED, 0.42 AMPS IS C.T. CURRENT, 1630 TURNS TAPPED AT 815 TURNS, #26E WIRE, 59.7 OHMS DC RESISTANCE, SECONDARY #2: 5 VOLTS ±5%.

4/2/45 CAFT:CS-5683 CKB:41-A4026-2
MAY 45 CHANGE 0

CAFT- 302141
CENTERTAPPED, 6.0 AMPS IS C.T. CURRENT, 8 TURNS TAPPED AT 4 TURNS, DOUBLE 17E WIRE, 0.04 OHMS DC RES. ELECTROSTATIC SHIELD, HERMETICALLY SEALED.

CPU- 302146 NXsr-83353
TRANSFORMER, LINE
PRIMARY TERMS 1-2: 600 OHMS IMPEDANCE, 800 TURNS OF #30 WIRE. SECONDARY TERMS/ 3-4: 6 OHMS IMPEDANCE, 80 TURNS OF #21 WIRE. POWER RATING 5 WATTS AT 1000 CPS. FREQ. RESPONSE: FLAT FROM 100-8000 CPS. WITHIN ±1 DB. HERMETICALLY SEALED.

4/2/45 CPU:958-S CKB:41-A4033-2
MAY 45 CHANGE 0

CPU- 302147 NXsr-83353
TRANSFORMER, AUTO
TERMINALS 1-5/2-5/4-5: 600/120/15 OHMS IMPEDANCE. POWER RATING: 25 WATTS. TERMS 1, 2, 3, HAVE 589 TURNS TAPPED 388 1/2 TURNS, #28 WIRE. TERMS, 4,5 HAVE 111 TURNS OF #17 WIRE. FREQUENCY RESPONSE 100-8000 CPS WITHIN ±1db, HERMETICALLY SEALED.

4/2/45 CPU:959-S CKB:41-A4034-2
MAY 45 CHANGE 0

CPU- 302147
SEALED.

CCV- 302151 TEB
CHOKE, FILTER
RATED 0.25 HENRIES AT 20 A. DC. 5.0 KV TEST, 3.0 OHMS DC RESISTANCE AT 20°C. ENCLOSED IN CASE.

4/2/45 T-7131 A-9113
MAY 45

CW- 302152 MK 28
OUTPUT TRANSFORMER
PRIMARY: 72 OHMS IMPEDANCE, CONSISTS OF 770 TURNS #30ES WIRE, 1.7 OHMS DC RES. SECONDARY: 8000 OHMS IMPEDANCE, CONSISTS OF 750 TURNS OF #40ES WIRE, 200 OHMS DC RES. FREQUENCY RANGE: 1 KC TO 800 KC. DIAMETER 1 3/4". HEIGHT INCLUDING

4/2/45 D-161135
MAY 45

CW- 302152
TERMINALS 2 9/16". PERMALLOY CORE.

4/2/45 CAFT:CS-13898 CKB:41-A4029-2
MAY 45 CHANGE 0

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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CRV-302153 HK 26 MOD 4
 TRANSFORMER, POWER;
 PRI RATED 120V 60 CPS, 1240 TURNS TAPPED
 AT 1135 & 1190 TURNS OF #31E WIRE, 42
 OHMS DC RES HIPOT 1500V; SEC. RATED 735V
 7600 TURNS OF #41E WIRE, 4850 OHMS DC
 RES. HIPOT 3000V. FILAMENT WINDING 2.72V
 *CRV:K-901702-G501 REV 3
 4/3/45 CRV:K-901708-501 CG:M-7471279
 JUN. 45 REV. 3

CRV-302158 QCU
 TRANSFORMER
 PRI/PLATE#1/PLATE#2/FIL#1/FIL#2 115-100/
 1100-550/125/6.4/5.0 FULL LOAD VOLTAGE,
 2.56/0.2/0.20C/8.0/3.0 AMPS 0.782/108/
 14.6/0.040/0.048 OHMS. PRI. TAPPED AT
 238 TURNS. PLATE #1 TAPPED AT 1340 TURNS.
 INDUCED VOLTAGE 300V. 500 CYCLES. IRON
 4/3/45 1XT-4474 K901754-501
 MAY 45 REV 1

CFT-302163 AN/ARQ-10
 PLATE TRANSFORMER
 PRI. RATED 115V (105-125). TAPPED AT 80V
 (75-85). 400/2400 CPS, APPROX 0.08 AMP.
 285 TURNS #33E WIRE, 20.1 OHMS DC RES.
 SEC. RATED 2250V, 0.002 AMP 5700 TURNS
 #42E WIRE, 3900 OHMS DC RES. ELECTRO-
 STATIC SHIELD. HERMETICALLY SEALED.
 4/2/45 RA-6401-1 RA-6401-1
 MAY 45 ISSUE A

CRV-302153
 28 TURNS OF #15E WIRE, 0.07 OHMS DC RES;
 SECONDARY AND FILAMENT WINDINGS CON-
 NECTED IN SERIES. IRON CORE INDUCED
 VOLTAGE IS 230V-500V. CORE LOSS 1.5
 WATTS. POLARITY TO BE ADDITIVE. CASED
 AND POTTED. HERMETICALLY SEALED.

CRV-302158
 CORE. HERMETICALLY SEALED IN RECTANGU-
 LAR CAN.

CFT-302164 AN/ARQ-10
 OUTPUT TRANSFORMER
 PRI 1055 TURNS #37E WIRE 81 OHMS DC RES.
 SEC. 3430 TURNS #41E WIRE, 955 OHMS DC
 RES. INPUT IMPEDANCE/OUTPUT IMPEDANCE
 8000/600 OHMS.

4/4/45 RA-6402-1 RA-6402-1
 MAY 45 ISSUE A

CRP-302154 WFA
 TRANSFORMER, INDICATOR
 PRI. RATED: 3.8VA, 33V, 0.115 AMPS, 350
 TURNS OF 34EC WIRE, 30 ±15% OHMS DC RES.
 1780 V RMS TO GRD. SEC RATED: 750V,
 0.005 AMPS, 8000 TURNS OF 38EC WIRE,
 1800 ±15% OHMS DC RESISTANCE, 2500V RMS
 TO GRD. IRON CORE. CONTAINED IN
 4/4/45 U-8175 CBM:1000A-257
 MAY 45 REV 0

CTH-302159 HK 8 MOD 2
 TRANSFORMER
 PRI: 23 WATTS 115V, 60 CYCLES 0.200
 AMPS 344 TURNS 252AE WIRE 7.30 OHMS DC.
 SEC: 1/2 1800/2.73V MAX 1720/2.62V. MIN.
 5/1.75 MILLIAMPS 5260/3 TURNS 28C.A.E/
 19C.A.E WIRE 2850/0.064 OHMS DC RES.
 *KS-8337. ISSUE 1
 4/3/45 C:CH:ESO-645481
 MAY 45 ISSUE 6 *

CFT-302165 AN/ARQ-10
 TRANSFORMER;
 TURNS RATIO PRI: TO SEC: 0.408 TO 1..PRI
 300 TURNS #31E WIRE, 8.2 OHMS DC RES.
 SEC 735 TURNS #35 WIRE, 41.1 OHMS DC
 RES. RESPONSE ±1 1/2 db 200-5000 CPS.
 TO FALL OFF AS RAPIDLY AS POSSIBLE BELOW
 200 CPS. HERMETICALLY SEALED. IMPEDANCE
 4/4/45 RA-6403-1 RA-6403-1
 MAY 45 ISS. A

CRP-302154
 RECTANGULAR CAN.

CTH-302159
 ELECTROSTATIC SHIELD. STEEL CORE. POTTED
 AND CASED IN RECTANGULAR METAL CAN.

CFT-302165
 INPUT/OUTPUT: 100/900 OHMS.

CUT-302155 WFA
 TRANSFORMER, PLATE
 PRI: 6 WATTS, 5000 OHMS IMPEDANCE, 2800
 TURNS #33E WIRE, 320 OHMS DC RES. SEC
 #1/#2/#3, 6/6/1 WATTS 6/600/500 OHMS IM-
 PEDANCE, 96/960/876 TURNS OF #22DE/#30E/
 #32E WIRE 0.5/55/85 OHMS DC RES. SEC #3
 IS CENTER TAPPED. IRON CORE. ELECTRO-
 4/4/45 76598 CBM:1000A-72
 MAY 45 ALT 2

CAWO-302160 QGB
 FILAMENT TRANSFORMER
 PRI/SEC: 115/6.3V, 0.35/6 AMPS 600/36
 TURNS #25/#14 WIRE 8.45/0.055 OHMS.
 SECONDARY RATED 37.8 VA. STEEL CORE.
 CAN:805401
 4/3/45 #3596 CRV:W306494-92
 MAY 45 REV 12 *

CFT-302166 AN/ARQ-10
 PLATE-FILAMENT TRANSFORMER;
 PRI. RATED 115V (105-125) TAPPED AT 80V
 (75-85), 400/2400 CPS, APPROX. 6 AMPS
 90 TURNS #13 FORMEX 0.126 OHMS DC RES.
 SEC #1 WOUND TO GIVE VOLTAGES: 550/0/
 165/550 WITH 876 TURNS #22 FORMEX, 7.52
 OHMS DC RES, 0.5 AMP. SEC #2 RATED 25V,
 4/4/45 RA-6404-1 RA-6404-1
 MAY 45 ISS. A

CUT-302155
 STATIC SHIELD.

CH-302161 HK 8 MOD 3
 INDUCTION COIL
 INDUCTANCE 1.15 HENRIES AT 1000 CYCLES,
 3000 TURNS OF #31AWG EN WIRE, 100 OHMS
 DC RES., IRON CORE.
 #C#:80-12446 ISSUE 4, CH:80-12448 ISS. 5
 4/3/45 CH:80-12429
 MAY 45 ISSUE 7 *

CFT-302166
 2.2 AMPS, 20 TURNS #17 FORMEX 0.11 OHMS
 DC RES. SEC #3 RATED 6.3V, 2.0 AMP 5
 TURNS #17 FORMEX 0.032 OHMS DC RES. SEC
 #4 RATED 5V, 9.0 AMPS, 4 TURNS #14 FOR-
 MEX. SEC #5 RATED 5.0V, 30 AMPS, 4 TURNS
 #16 FORMEX 0.016 OHMS DC RES. ELECTRO-
 STATIC SHIELD. HERMETICALLY SEALED.

CRP-302156 WFA
 CHOKE ASSEMBLY
 CONSISTS OF 4 CHOKES ASSEMBLED IN CAN,
 HERMETICALLY SEALED, IRON CORE. #1/#2/
 #3/#4 HAVE INDUCTANCE 3-12/3.25-18/8.4/5
 HENRIES, 0.53/0.138/0.138/0.54 AMPS,
 1750/2750/2750/1750 TURNS OF #24E/26E/
 26E/24E WIRE, 53/100/100/53 OHMS DC RES.
 4/5/45 CRP:33969A CBM:1000A-186
 MAY 45 CBM:1000A-186 ALT 1

CFT-302162 AN/ARQ-10
 POWER TRANSFORMER
 PRI. RATED 115V (105-125). TAPPED AT 80V
 (75-85). 400/2400 CPS, APPROX. 0.1 AMP,
 373 TURNS #31E WIRE, 17.6 OHMS DC RES.
 SEC. #1 RATED 6.3V, 0.6 AMP., 21 TURNS
 #23E WIRE, 0.183 OHM DC RES. SEC. #2
 RATED 2.5V, 1.75 AMPS 8 1/2 TURNS #13E
 4/4/45 RA-6400-1 RA-6400-1
 MAY 45 ISSUE A

CFT-302167 AN/ARQ-10
 PLATE-FILAMENT TRANSFORMER;
 PRI. RATED 115 VOLTS (105-125) TAPPED AT
 80 VOLTS (75-85); 157 TURNS TOTAL: 109
 TURNS #21E WIRE, 3 LAYERS, 39 TURNS/
 LAYER, AND 48 TURNS #23E WIRE ONE LAYER.
 SEC #1 RATED 400-0-400 VOLTS, 0.159
 AMPS, 1120 TURNS #30E WIRE, 1.42 OHMS
 4/4/45 RA-6405-1 RA-6405-1
 MAY 45 ISS. A

CBM-302157 QCR
 OUTPUT TRANSFORMER
 PRI/SEC: 0.365 TO 0.52/0.008 TO 0.005
 HENRIES, 390 C.T./81 C.T. TURNS #28SCE/
 20SCE WIRE. IRON CORE.

CFT-302162
 WIRE, 0.0255 OHMS DC RES. ELECTROSTATIC
 SHIELD. HERMETICALLY SEALED.

CFT-302167
 DC RES. SEC #2 RATED 5 VOLTS, CT, 3.0
 AMPS, 7 TURNS #20E WIRE, 0.19 OHM DC
 RES. ELECTROSTATIC SHIELD. HERMETICALLY
 SEALED.

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MAY 45		ALT 307									

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CFT- 302168 AN/ARQ-10
 OUTPUT TRANSFORMER:
 IMPEDANCE, INPUT/OUTPUT: 2300 OHMS CT/
 2000 OHMS. PRI: 500 TURNS #29E WIRE, 5
 LAYERS, 102 TURNS/LAYER, AND 500 TURNS
 #28E WIRE, 6 LAYERS, 93 TURNS/LAYER;
 38.9 OHMS DC RES., TAPPED AT 18.4 OHMS.
 SEC: 933 TURNS #23E WIRE, 25.5 OHMS DC
 4/4/45 RA-6406-1 RA-6406-1
 MAY 45 ISS A

RES. HERMETICALLY SEALED. CFT- 302168

CFT- 302169 AN/ARQ-10
 OUTPUT TRANSFORMER:
 PRI 2240 TURNS #41E WIRE, 730 OHMS DC
 RES. SEC 770 TURNS #35E WIRE, 48 OHMS
 DC RES. HERMETICALLY SEALED. IMPEDANCE
 INPUT/OUTPUT: 770 OHMS CT/48 OHMS CT.

4/4/45 RA-6407-1 RA-6407-1
 MAY 45 ISS A

CFT- 302170 AN/ARQ-10
 OUTPUT TRANSFORMER:
 PRI 650 TURNS #33E WIRE, 0.005 OHMS DC
 RES. SEC. 6700 TURNS #42E WIRE, 0.027
 OHMS DC RES. HERMETICALLY SEALED. IM-
 PEDANCE, INPUT/OUTPUT: 600 OHMS/50,000
 OHMS.

4/4/45 RA-6408-1 RA-6408-1
 MAY 45 ISS A

CFT- 302171 AN/ARQ-10
 REACTOR:
 RATED 1 HENRY AT 0.7 AMP DC, 1020 1/2
 TURNS #23E WIRE, 45 OHMS MAX DC RES.
 HERMETICALLY SEALED.

4/4/45 RA-6409-1 RA-6409-1
 MAY 45 ISS A

CFT- 302172 AN/ARQ-10
 REACTOR:
 RATED 1 HENRY, 0.225V DC, 400 TO 4800
 CPS RIPPLE FREQ., 1360 TURNS #23E WIRE,
 85 OHMS MAX DC RES. HERMETICALLY SEALED.

4/4/45 RA-6410-1 RA-6410-1
 MAY 45 ISS A

CKT- 302173 QCU
 TRANSFORMER
 PRI: 115V, 60 CYCLES 790 TURNS #22E WIRE
 5 OHMS DC RES. SEC: 78V, 60 CYCLES 590
 TURNS #21E WIRE 4 OHMS DC RES. IRON CORE.

4/4/45 CRV:CH-324-1
 MAY 45 REV 6

CRV- 302174 QCU
 TRANSFORMER
 PRI. RATED 12,500 OHMS MIN. AT 30V, 60
 CYCLES WITH 0.005 AMPS DC, PRI #1/#2
 1150/1150 TURNS #34E/#33E WIRE 136/144
 OHMS DC RES. SEC. #1: 714 TURNS #28E
 WIRE 25.1 OHMS DC RES., TAPPED AT 50S.
 TURNS RATIO 4.55:1: PRIM: 1-50S TURNS
 4/4/45 CRV:K-901752-
 MAY 45 501, REV 3

ASSIGNED
ISSUED

CRV- 302174
 SEC., 3.22:1: PRI: SEC. IRON CORE CON-
 TAINED IN RECTANGULAR CAN.

CRV- 302175 QCU
 TRANSFORMER
 PRI: 125/115/105V, 50/60 CYCLES 0.275
 AMPS 455 TURNS #25E WIRE 7.67 OHMS DC.
 TAPPED AT 382 AND 419 TURNS. SEC: 2.5/
 1.25V, 10.0 AMPS, 10 TURNS 0.095 X 0.095
 OCC WIRE 0.00584 OHMS MID-TAPPED.
 ADDITIVE POLARITY WITH TERM 4 CONNECTED
 4/4/45 K-901746-501
 MAY 45 REV 3

CRV- 302175
 TO TERM 5. IRON CORE. CONTAINED IN
 RECTANGULAR CAN.

CFT- 302176 AN/ARQ-10
 REACTOR
 INDUCTANCE 0.15 HENRIES ±5 MILLIHENRIES.
 2230 TURNS #36 WIRE, 185 OHMS DC RES.,
 POWDERED IRON CORE. HERMETICALLY SEALED.

4/4/45 NL-27891-2 NL-27891-2
 MAY 45 ISSUE D

302177
 POWER TRANSFORMER
 TWO WINDINGS FOR SERIES OR PARALLEL
 OPERATION ON 50-70 CPS. WINDING (3-9) IN
 PARALLEL WITH (4-10) RATED 115V. (3-9)
 IN SERIES WITH (4-10) RATED 230V.
 ELECTROSTATIC SHIELD SEC. #1 (6-12):
 6.4V, 0.6 AMPS. SEC. #2 (1-2): 6.4V.
 4/5/45 CPN:P2-744 P2-744b
 APR. 45 SPEC. T1213

302177
 3 AMPS. SEC #3(5-7), #4(5-8), #5(8-11)
 IN SERIES: 3/4/5 RATED 2.5V, 1.75 AMP/
 525V, 1.5 MA DC/590V, 55 MA DC. SEC. #5
 CT, TERM. (2).

302178
 FILTER CHOKE
 CONSISTS OF 2 IDENTICAL CHOKES IN SERIES
 EACH CHOKE RATED 6.5 HENRIES ±10% MIN.
 MEASURED AT 40 MA DC, 5V, 60 CPS;
 OPERATING CURRENT: 55 MA DC; 200 OHMS
 ±10% MAX. DC RES; 300V RMS TO GROUND.

4/5/45 CPN:PI-555 PI-5550
 APR. 45 SPEC T1215

302179
 FILTER CHOKE
 RATED 8 HENRIES MIN, 110 MA, 220 OHMS DC
 RES. INDUCTANCE MEASURED AT 5V, 60 CPS.
 HERMETICALLY SEALED.

4/5/45 CPN:PI-924 PI-924f
 APR. 45

ASSIGNED
ISSUED

302180
 TRANSFORMER
 PRI. RATED 2 MA MAX. DC CURRENT, 300V.
 SEC. RATED 1 MA 600V, TURNS RATIO, PRI
 TO SEC: 2 TO 1. SPECIAL TRANSFORMER;
 ELECTRICAL CHARACTERISTICS NOT CRITICAL.

4/5/45 CPN:PI-554 PI-5540
 APR. 45 SPEC T1214

302181
 POWER TRANSFORMER
 PRI. HAS TWO WINDINGS FOR SERIES OR
 PARALLEL OPERATION. IN SERIES RATED
 230V; IN PARALLEL RATED 115V, 55-65 CPS.
 SEC. #1 RATED 6.5V, 4.0 AMPS. SEC. #2
 RATED 700V, CT, 110 MA DC. GROUNDED
 ELECTROSTATIC SHIELD BETWEEN PRI & SEC.
 4/5/45 CPN:P2-974 P2-974e
 APR. 45

HERMETICALLY SEALED. 302181

302182
 POWER TRANSFORMER
 PRI. HAS 2 WINDINGS FOR SERIES OR
 PARALLEL OPERATION. IN SERIES, RATED
 230V; IN PARALLEL RATED 115V, 55-65 CPS.
 SEC. #1 RATED 6.4V, 0.6 AMP. SEC. #2
 RATED 2.5V, 1.75 AMPS. IN SERIES WITH
 SEC #3, RATED 1200V, 2 MA. SEC. #4 RATED
 4/5/45 CPN:P2-973 P2-973e
 APR. 45

302182
 6.5V, 5 AMPS. ELECTROSTATIC SHIELD BE-
 TWEEN PRI. & SEC., & BETWEEN SEC. #1 &
 OTHER SEC. HERMETICALLY SEALED.

CAY- 302183 SR-3
 VOLTAGE STABILIZING TRANS-
 FORMER: PRI: 115/1/60 TAPPED AT 105/
 110/115/120V. SEC: 115/1/60 ±2% 1.5 KVA
 0.90 P.F. CONTINUOUS DUTY. ELECTROSTATIC
 SHIELD.

4/5/45 SPEC. K-7820321
 MAY 45

CAY- 302184 SR-3
 VOLTAGE STABILIZING TRANS-
 FORMER: PRI: 115/1/60 TAPPED AT 105/
 110/115/120V. SEC: 115/1/60 ±2% 2.0 KVA
 0.90 P.F. ELECTROSTATIC SHIELD. CON-
 TINUOUS QTY.

4/5/45 SPEC. K-7820320
 MAY 45

CRR- 302185 AN/MPN-1A
 TRANSFORMER, POWER
 PRIMARY: 117 VOLTS 50/60 CPS, 0.482 AMPS
 51 VA, 352 TURNS OF #22E WIRE, 3.3 OHMS
 DC RES. SECONDARY #1: 520 VOLTS, C.T.,
 0.090 AMPS DC, 1630 TURNS OF #32 E WIRE,
 182 OHMS DC RES. #2: 26 VOLTS, 0.60 AMPS
 82 TURNS OF #22 E WIRE, 0.976 OHMS DC
 4/6/45 CRR:A117076
 MAY 45

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CRV-302201 T0Q
 TRANSFORMER, FILAMENT
 PRI #1 RATED 9.0 WATTS, 115 OR 230/150 OR 60 CPS., 0.97 AMPS, 254 TURNS OF 20E CU WIRE, 1.82 OHMS DC RES. TAPPED AT 20 AND 40 TURNS. PRI #2, 0.97 AMPS, 234 TURNS OF #22E CU WIRE, 3.08 OHMS DC RES. FIL #1, 3.38 AMPS, 27 TURNS OF #22E CU 4/12/45 XT-4395 M-438274
 MAY 45 REV I

CBM-302205 WFA
 TRANSFORMER, OSCILLATOR:
 OPERATION FROM 100,000 OHMS APPROX TO 5000 OHMS (TOTAL SEC.) APPROX. IMPEDANCE OF PRIM 0.1 MEG. APPROX. AT 17-25 KILO-CYCLES. PRI: 2022 TURNS, 3 X 40 LITZ SSE WIRE, 212-250 OHMS DC RESISTANCE. SEC. 225 TURNS OF 3 X 40 LITZ SSE WIRE, 15 4/7/45 999-3000 999-3000
 MAY 45 ALT I

CRP-302209 VF
 TRANSFORMER:
 SECONDARY RATED 1080VA. CONSISTS OF TWO COILS, A & B. COIL A: PRI/SEC. 115/1/60/200/1/60, 15/5.5 AMPS, 86/178 TURNS OF .1 X .2 DC/.174 X 0.162 DC WIRE, 0.045/0.22 OHMS DC RESISTANCE PRI TAPPED AT 58 TURNS TER. 22/1/60, 10 TURNS, 0.05 X 4/9/45 UX-9545 (CRP) DU74-1284
 MAY 45 S1R 0

CRV-302201
 WIRE, 0.063 OHMS DC RESISTANCE, TAPPED AT 13.5 TURNS. FIL #2, 5.1 AMPS, 14 TURNS OF #13E CU WIRE, 0.028 OHMS DC RES. FIL #3, 6.0 AMPS, 11 TURNS OF #12E CU WIRE, 0.019 OHMS DC RESISTANCE. IRON CORE.

CBM-302205
 OHMS DC RESISTANCE. LAMINATED IRON CORE.

CRP-302209
 0.16 DC WIRE, 0.019 OHMS DC RESISTANCE. TAPPED AT 2,4,6,8 TURNS. COIL B: PRI/SEC. 76/1/60/16.4/1/60 60/13 TURNS OF 0.1 X 0.2 DC/0.05 X 0.16 DC WIRE, 0.056/0.23 OHMS DC RESISTANCE. 2 CONDENSERS 12 MF. IRON CORE.

CG-302202 SC
 TRANSFORMER, FILAMENT
 PRI #1 RATED: 0.0742 KVA, 115/1/60 CPS., 0.645 AMPS, 283 TURNS OF 0.0359 #19 WIRE, 115 OHMS DC RESISTANCE. SEC #1/SEC #2/SEC #3/SEC #4, 6.5/6.3/5.0/4.5V, 8.0/0.6/3.0/0.075 AMPS 18/17/14/122 TURNS OF #9/#20/#14/#29 WIRE, 0.22/4.65/0.033/4/12/45 K-273288
 MAY 45

CRP-302206 WEA-2
 TRANSFORMER, FILAMENT:
 PRI RATED 345 WATTS OR 86 VA, 115/1/60, 30 MILLIAMPS, 347 TURNS OF #21E WIRE, 2.54 OHMS DC RESISTANCE. SEC. #1/SEC #2, 10/6.3V, 6.5/2.0 MILLIAMPS, 32/20 TURNS OF #12E/#17E, 0.04 OHMS/0.10 OHMS DC RESISTANCE. SECONDARIES ARE CENTER 4/7/45 U-6738 (CRP) 74-646
 MAY 45 769-585 (CBM) SUB. 2

CRP-302210 VF
 TRANSFORMER, RECTIFIER:
 PRI. RATED 0.156 KVA, 115/1/60V, 1.36 AMPS, 355 TURNS OF #18E WIRE, 1.26 OHMS. SEC #1/SEC #2/SEC #3, 28.5/30.0/31.5V, 4.0/4.0/4.0 AMPS, 94/5/5 TURNS, #14E/#14E/#14E, 0.255/0.255/0.255 OHMS DC RESISTANCE. CASED & POTTED. TRANS. CORE 4/9/45 UX-9246A DL74-1164
 MAY 45 REV. 5

CRP-302202
 0.0163 OHMS DC RES.

CRP-302206
 TAPPED. ELECTROSTATIC SHIELD. CASED AND POTTED. IRON CORE.

CRP-302210
 0.015 HIPERSIL. TEST VOLTS 1780 RMS.

CRP-302203 QQA
 FILTER CHOKE
 ASSEMBLY OF 2 CHOKES (U8371 AND U8372) CONN. IN SERIES HAVING COMMON TERMINAL; 1ST CHOKE INDUCTANCE 0.22 HENRIES AT 0.6 AMPS DC., 480 TURNS OF #23E WIRE, 5.8 OHMS DC. RES. 2ND CHOKE INDUCTANCE 0.44 HENRIES AT 0.4 AMPS DC., 700 TURNS OF 3/12/45 CRP-U-3961 CBM:1000A-169
 MAY 45 CBM:980-5 ALT I

CRP-302207 WEA-2a
 TRANSFORMER:
 PRI. RATED 160 WATTS OR 80 VA, 120V/1/60, 0.6 AMPS, 265 TURNS OF #23E WIRE 4 OHMS DC RESISTANCE, 1780V TO GRD. SEC #1/SEC #2, 120V/120V, 0.6/0.6 AMPS, 285/285 TURNS OF 23E/23E WIRE, 5.1/6.0 OHMS DC RESISTANCE, 1780/1780V TO GRD. ONE SEC. 4/7/45 U-6437 (CRP) U-6437
 MAY 45 926-54 (CBM) SUB. 7

CRP-302211 VF
 TRANSFORMER, PLATE & FILAMENT:
 PRI. RATED 285 VA, 115/1/60, 2.5 AMPS, 155 TURNS OF 15E WIRE, 0.4 OHMS DC RESISTANCE. SEC #1/SEC #2/SEC #3/SEC #4/SEC #5/SEC #6/SEC #7, 1018 OR 720V/1/60/375-0-375/1/60/5/1/60/6.3/1/60/5/1/60/5/1/60/3.15-0-3.15/1/60, 0.15, 0.14/4/9/45 UX-87198 DU74-5130
 MAY 45 SUB 0

CRP-302203
 #25E WIRE, 13 OHMS DC RES., TEST VOLTAGE 1780V RMS. IRON CORE. ASSEMBLED IN METAL CAN. HAS 3 BUSHING TERMINALS.

CRP-302207
 OPERATES AT A TIME. CASED AND POTTED. ELECTROSTATIC SHIELD. IRON CORE.

CRP-302211
 0.06/3.0/0.3/3.0/3.0/3.0 AMPS, 1432/1056/7/9/7/7/9 TURNS OF #25E/#32HF/#15E/#25E/#15E/#15E/#15E WIRE, 45/165/0.035/0.3/0.035/0.035/0.040 OHMS DC RESISTANCE. SEC #1 TAPPED AT 209, 716.5 AND 1223 TURNS. SEC #2 AND SEC #7 CENTER TAPPED. CORE MATL 0.013 HIPERSIL.

CTK-302204 SP-1M
 POWER TRANSFORMER
 PRI: 115V., 50-800 CYCLES, 0.73 AMPS 430 TURNS #21 WIRE 2.6 OHMS DC RES. SEC #1: 355-0-355 AT 85 MILLIAMPS DC 2780 TURNS #31 WIRE, 280 OHMS DC RES. SEC #2: 6.3V. AT 4 AMPS 25 TURNS #14 WIRE SEC #3: 5.0V. AT 2 AMPS 20 TURNS #18 4/16/45 85018 85018
 MAY 45 REV B

CRP-302208 WEA-2a
 TRANSFORMER:
 PRI RATED 56 VA, 120/1/60V, 0.5 AMPS, 314 TURNS OF #24E WIRE, 5.3/4.8 OHMS DC RESISTANCE, 1780V TO GRD. SEC #1/SEC #2/SEC #3, 6.3/2.5/2.5V, 2.5/7/7 AMPS, 18/7/7 TURNS OF #16E/#12E/#12E WIRE, .061/.051/115/.011/125/.012/.012/ OHMS DC RESIS- 4/9/45 U-6438A CBM:J92-559
 MAY 45 SUB 8

CRP-302212 VF
 TRANSFORMER, PLATE & FILAMENT:
 PRI RATED 40 VA, 115/1/60, 0.36 AMPS, 520 TURNS OF #26E WIRE, 11.00 OHMS DC RESISTANCE. SEC #1, 5/1/60, 3.00 AMPS, 24 TURNS OF #16E WIRE, 0.060 OHMS DC RESISTANCE. SEC #2: 4,400/1/60, 0.0045 AMPS, 21,200 TURNS OF 41 HF WIRE, 4/9/45 UX-9136 DU74-1331
 MAY 46 SUB 1

CTK-302204
 WIRE, 0.09 OHMS DC RES. IRON CORE. HERMETICALLY SEALED IN RECTANGULAR CAN.

CRP-302208
 TANCE, 1780/1780/1780V TO GRD. CASED AND POTTED. ELECTROSTATIC SHIELD. IRON CORE.

CRP-302212
 17,000 OHMS DC RESISTANCE. ELECTROSTATIC SHIELD. IRON CORE.

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CRP- 302213 VF
 TRANSFORMER, PLATE & FILAMENT: PRI. RATED 370 VA, 115/1/60, 3.22 AMPS, 300 TURNS OF #18E WIRE, 0.80 OHMS DC RESISTANCE. SEC #1/SEC #2/SEC #3/SEC #4/SEC #5, 385-0-385/375-0-375/5/5/6.3V, 0.28/0.175/6/6/3.6 AMPS, 2144/2100/14/14/18 TURNS OF 26E/28E/2 X 15E/4/9/45 UX-8718B DU74-1318
 MAY 45 SUB 0

CRP- 302213
 2 X 15E/2 X 18E WIRE, 80/136/0.025/0.026/0.070 OHMS DC RESISTANCE. SEC #1. SEC #2 CENTER TAPPED. 0.013 HIPERSIL CORE.

CRP- 302214 VF
 TRANSFORMER, FILAMENT:
 PRI. RATED 0.19 KVA 115/1/60, 1.65 AMPS, 344 TURNS OF #18E WIRE, 1.25 OHMS DC RESISTANCE. SEC #1/SEC #2/SEC #3/SEC #4, 6.3V/6.3VCT/6.3V/6.3VCT, 22/2.4/2.25/0.6 AMPS 20/20/20/20 TURNS OF 2 X 10EN/ #16EN/#17EN/#22EN WIRE, 0.006/0.076/4/9/45 UX-8726 DV92-888 G2
 MAY 45 REV. I

CRP- 302214
 0.09/0.32 OHMS DC RESISTANCE. CASED AND POTTED. ELECTROSTATIC SHIELD. 0.31 HIPERSIL CORE.

CRP- 302215 VF
 TRANSFORMER, COUPLING:
 PRI. #1 RATED: 115V/1/60, 1600 TURNS OF 41E WIRE, 530 DC RESISTANCE. PRI #2/PRI #3/SEC#1/SEC#2, 800/1600/1600/1600 TURNS OF #41E/#41E/#41E/#41E WIRE, 310/630/830/880 OHMS DC RESISTANCE. PRI 3 CENTER TAPPED. IMPEDANCE RATIO P1 OR P2 TO S1 4/9/45 UX-8725 DL74-1063
 MAY 45 SUB. 5

CRP- 302215
 OR S2 = UNITY P2 TO S1 OR S2 = 1/4. ELECTROSTATIC SHIELD BETH. SEC #1/8 SEC #2. IRON CORE.

CRP- 302216 VF
 TRANSFORMER, PHASING:
 PRI. #1 RATED: 53 MEGOHMS, 115V, 60 CPS, 8400 TURNS OF #40E WIRE, 1600 OHMS DC RESISTANCE. SEC. #1, 1000 OHMS 0.50V 4D TURNS OF #30E WIRE, 1.0 OHMS DC RESISTANCE. TURNS RATIO 220:1:1: PRI #1:SEC #1. CASED AND DRY NITROGEN FILLED. CORE: 4/9/45 UX-8724 DV92-483 G2
 MAY 45 REV. 6

CRP- 302216
 0.003 H; SILICON STEEL.

CRP- 302217 VF
 TRANSFORMER, FILAMENT:
 PRI: RATED: 115V, 0.044 AMPS, 1330 TURNS OF #34E WIRE, 125 OHMS DC RESISTANCE. SEC RATED: 6.3V, 0.6 AMPS, 80 TURNS OF 22E WIRE, 0.6 OHMS DC RESISTANCE. SEC CENTER TAPPED. IRON CORE. ELECTROSTATIC SHIELD. 4/9/45 UX-8727 DL74-1065
 MAY 45 SUB 1

CRP- 302218 VD-2
 TRANSFORMER, AUDIO OUTPUT
 INDUCTANCE 25 HENRIES, 22 HENRIES MIN. PRI. #1, 3500 OHMS, 50-70 CYCLES, WITH 0.053 AMPS DC. SEC #1, 720 OHMS, 50-70 CYCLES 0.117 AMPS DC. PRI. #1, 3600 TURNS OF 32 E WIRE, 275 OHMS DC RESISTANCE. SEC #1, 1920 TURNS OF 30 E WIRE, 4/9/45 DV-92-640 G2
 MAY 45 REV 11

CRP- 302218
 116 OHMS DC RES. TURNS RATIO 3600:1920:PRI. #1:SEC #1. HERMETICALLY SEALED. CORE: HIPERSIL 0.007.

CRP-302219 VF
 TRANSFORMER, POWER
 PRI. 850 VA. 186/1/60, 5.02 AMPS, 362 TURNS OF 12 E WIRE, 0.59 OHMS DC RESISTANCE. SEC. 115/1/60, 7.2 AMPS, 242 TURNS OF 0.060 X 0.120 DC WIRE, 0.043 OHMS DC RESISTANCE. SECONDARY TAPPED AT 234, 236, 238, 240 TURNS. TEST VOLTAGE 4/10/45 STORES DU-74-1285
 MAY 45 #92-5255 REV 0

CRP- 302219
 4000 RMS. IRON CORE.

CQJ- 302220 BT
 FILTER CHOKE
 INDUCTANCE 15 HENRIES AT 250 MA, 60 CYCLES, 3200 TURNS OF #26 E WIRE, 100 OHMS DC RESISTANCE, 2400 TEST VOLTAGE, MOUNTED IN CAN.

4/12/45 HC-108
 MAY 45

CRP- 302221 WAC
 TRANSFORMER, FILAMENT
 PRI. RATED 80 WATTS, 440/3/60, 0.150 AMPS 2340 TURNS OF 32 E WIRE, 245 OHMS DC RESISTANCE. SEC. RATED 220V, 0.264 AMPS, 1550 TURNS OF 28 E WIRE, 62 OHMS MAX. IRON CORE CASE IS STEEL FOR MAGNETIC SHIELDING. 4/14/45 CRP:U-1301 DU-74-202
 MAY 45 CBM:704-61 SUB 2

CAT- 302222 WAC
 TRANSFORMER, PLATE
 PRI. RATED 71 OR 86 VA, 230V, 0.35 AMPS 472 TURNS OF 25 ESCC, 10.2 OHMS DC RESISTANCE. SEC #1, 640V, 1430 TURNS, 1.48 OHMS DC RESISTANCE. SEC #2, 5V, 3 AMPS, 11 TURNS OF 15 E WIRE, 1.2 OHMS DC RESISTANCE. SEC #3, 6.3V, 3.2 AMPS, 14 4/14/45 CBM:574-325 568F SH 28
 MAY 45

CAT- 302222
 TURNS OF #15 E WIRE, 1.2 OHMS DC RESISTANCE. ALL SECONDARIES CENTER TAPPED. IRON CORE.

CRP- 302223 NMB
 TRANSFORMER, PLATE & FILAMENT
 PRI. #1 RATED: 103 WATTS, 220V, 60 CPS., 585 TURNS, OF 29 E WIRE, 31 OHMS DC RESISTANCE. PRI #2 RATED 220V, 60 CPS. 585 TURNS OF #29 E WIRE, 35 OHMS DC RESISTANCE. PRI #3, 220V, 60 CPS. 2000 TURNS OF #33 E WIRE, 176 OHMS DC RES. PRIMARY 4/14/45 CRP:H-1874 571-412
 MAY 45 CBM:517-412 ALT 0

CRP- 302223
 #4, 220V, 60 CPS. 2000 TURNS OF #33 E WIRE, 220 OHMS DC RES. SEC. #1, 286V, 0.29 AMPS, 820 TURNS OF #26 E WIRE, 29 OHMS DC RES. SEC. #2, 5V, 3 AMPS, 52 TURNS OF 16 E WIRE 0.16 OHMS DC RES. BOTH SEC. ARE CENTER TAPPED. IRON CORE.

CRP- 302224 QCM
 TRANSFORMER
 PRI RATED: 16 WATTS, 110V, 822 TURNS OF 29 E WIRE, 25 DC RESISTANCE. SEC. #1, 6V, 2.5 AMPS, 48 TURNS, 18 E WIRE, 0.1 OHMS DC RESISTANCE. IRON CORE.
 4/14/45 CRP:U-8394 366 8D ALT 0
 MAY 45 CBM:336 80

CRP- 302225 NMB
 TRANSFORMER, PLATE
 PRI. #1 RATED 400 WATTS, 220/440V/1/60, 655 TURNS OF #23 E WIRE, 10.5 OHMS DC RES. 1780V RMS. PRI #2, 655 TURNS OF #23 E WIRE, 12 OHMS DC RES. SEC. #1, 123V, 2.85 AMPS, 386 TURNS OF #16 E WIRE, 1.8 OHMS DC RESISTANCE. SEC. IS CENTER 4/14/45 CRP:U-5034 571Q SH 8A
 MAY 45 CBM:571-405

CRP- 302225
 TAPPED. IRON CORE.

CRP- 302226 NMB
 TRANSFORMER, FILAMENT
 PRI RATED 160 WATTS. PRI #1: 220/440/1/60, 332 TURNS OF #25 E WIRE, 10 OHMS DC RES. 1780V RMS. PRI. #2: 332 TURNS OF #25 E WIRE, 11 OHMS DC RESISTANCE. SEC. #1 5V, 30 AMPS, 8/4 TURNS OF G.09 X 0.30 DC WIRE, 0.003 OHMS DC RESISTANCE. 3000V 4/16/45 CRP:U-5083 U-720-543
 MAY 45

CRP- 302226
 RMS. SEC. IS CENTER TAPPED. IRON CORE.

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CBM-302227 NMB
 TRANSFORMER, INTERSTAGE
 CONSISTS OF TWO IDENTICAL COILS. THE INDUCTANCE BETWEEN WHICH IS 47.6 MICROHENRIES. EACH COIL, 620 TURNS OF 60-38 WIRE. EACH TAPPED AT 325 AND 220 TURNS. 9.0 OHMS DC RESISTANCE TOTAL OF BOTH COILS. P1 TO G1/P1 TO O1/P1 TO C/P1 TO 4/16/45 720-3036 H-720H-SH.7A
 MAY 45

CBM-302227
 O2/P1 TO O2/P1 TO P2, 2.9/3.5/4.5/5.5/6.1/9.0 OHMS DC RESISTANCE. IRON CORE.

CRP-302228 NMB
 TRANSFORMER, PLATE
 PRI RATED: 850 WATTS, 220/440/1/60, 245 TURNS OF #19 E WIRE, 2.10 OHMS DC RESISTANCE. PRI #2, 245 TURNS OF #19 E WIRE, 2.45 OHMS DC RESISTANCE. SEC #1 & #2 ARE IDENTICAL, 730V, 0.53 AMPS, 855 TURNS OF 22 E WIRE, 23 OHMS DC RES. IRON CORE.
 4/16/45 CBM:720-544 DL-74-478
 MAY 45 CRP:U-5082

CBM-302229 NMB
 TRANSFORMER, OUTPUT
 IMPEDANCE RATIO 7:5::PRI #1: SEC #1. PRI #1 IS CENTER TAPPED; BOTH HALVES: 295 TURNS OF 28 SCE WIRE, 10 WATTS. SEC #1 IS CENTER TAPPED BOTH HALVES: 0.2 WATTS, 41 TURNS OF 20 SCE WIRE. IRON CORE.
 4/16/45 336 APB 336 APB
 MAY 45 ALT 1

CRV-302230 TBS-8
 TRANSFORMER, OUTPUT
 OPERATES FROM 2600 TO 600 OHMS. PRI: IMPEDANCE 2400 OHMS MIN AT 3.0V, 60 CYCLES, 1670 TURNS #34 E WIRE 181 OHMS DC RES. SEC: 0.058 AMPS, 865 TURNS #31 E WIRE, 60 OHMS DC RES. TURNS RATIO 1.93: 1::PRI #1:SEC #1. FREQUENCY RESPONSE 200 4/17/45 K-900590-5C1 REV
 MAY 45 6, SPEC. XT-3054

CRV-302230
 CYCLES TO 5,000 CYCLES. IRON CORE. POTTED IN RECTANGULAR CASE.

CFM-302231 BDI
 L.F. OSCILLATOR COIL
 25 KC TO 32 KC, 1370 TURNS TAPPED AT 630 TURNS OF #32 SWE WIRE. INDUCTANCE 66.85 MILLIHENRIES 0.2% TOL. AT 1000 CYCLES. 15.12 MILLIHENRIES FROM START TO TAP. IRON CORE, MOUNTED IN CAN, SOLDERED.
 *CBM:959-62 ALT 0
 4/19/45 CFM:73 OF 5671 CBM:955-3020
 MAY 45 CBM:959-62 ALT 1 *

CFM-302231
 PROVIDED WITH 3 MOUNTING STUDS ON TOP OF CAN.

CFM-302232 BDI
 H.F. OSCILLATOR COIL
 23 KC TO 35 KC, 1150 TURNS TAPPED AT 549 TURNS OF #32 SWE WIRE. INDUCTANCE 46.64 MILLIHENRIES 0.2% TOL. AT 1000 CYCLES. 11.45 MILLIHENRIES FROM START TO TAP. IRON CORE, MOUNTED IN CAN, SOLDERED.
 *CBM:959-63 ALT 0
 4/19/45 CFM:74 OF 5671 CBM:955-3021
 MAY 45 CBM:959-63 ALT 1 *

CFM-302232
 PROVIDED WITH 3 MOUNTING STUDS ON TOP OF CAN.

CBM-302233 WAB
 CHOKE ASSEMBLY
 INDUCTANCE 5.5 HENRIES AT 1220 VOLTS 60 CYCLES, 1500 TURNS OF #34 SWE WIRE, 75 OHMS DC RES. IRON CORE.
 *CBM:55RE20J1034 PART NO. 758-3002
 4/19/45 758-3002 *SEE ABOVE
 MAY 45

CAKY-302234 BDI
 DEFLECTION COIL
 CONSISTS OF 2 HORIZONTAL COILS CONNECTED SERIES OPPOSING AND 2 VERTICAL COILS SERIES OPPOSING. EACH COIL 5940 TURNS #39 E COPPER WIRE, 1825 OHMS DC RESISTANCE. 2000 TEST VOLTAGE, 4-#30 TINNED LEADS 20" LONG, ENCLOSED IN CADMIUM PLATED
 4/19/45 CAKY2685 CBM:1000A-161
 MAY 45 CBM:1000A-161 ALT 0

CAKY-302234
 CASE.

CBM-302235 QCM
 RED LIGHT TRANSFORMER
 INPUT 600 OHMS, OUTPUT 4500 OHMS, FREQ. RESPONSE PEAKED AT 800 CYCLES, PRIMARY HAS 644 TURNS OF #25 E WIRE, 7 OHMS DC RES. SECONDARY HAS 5548 TURNS OF #35 E WIRE, 900 OHMS DC RES; TEST VOLTAGE 1500 VOLTS 60 CYCLES, IRON CORE, HERMETICALLY
 4/19/45 CBM:336 BA CBM:336 BA T
 MAY 45 ALT 0

CBM-302235
 SEALED, TURNS RATIO PRI:SEC IS 1.0:8.6, MAX IMPREGNATED BEFORE ASSEMBLY ON CORE.

CAY-302236 MK 8 MOD 4
 TRANSFORMER, STEPDOWN
 3 PHASE OPEN DELTA, 115/230V TO 27V STEP DOWN, 2 PRI. EACH RATED 630 TURNS OF #27 E WIRE, SEC. RATED 27V, 171 TURNS #18 E WIRE TAPPED AT 152 AND 160 TURNS.

4/20/45 S#1282516 CAY:9-8-6453
 MAY 45 CHANGE 3

CFX-302237 MK 8 MOD 4 RE 13A 5538
 CHOKE:
 INDUCTANCE AT 0 DC IS 28 HENRIES. INDUCTANCE AT 150 MILLIAMPS IS 12 HENRIES. CURRENT 150 MA. CONSISTS OF 3700 TURNS OF #30 EN WIRE OF 200 OHMS DC RES.
 4/16/45 12478 CAY-2-C-8434
 MAY 45 CHANGE 2

CRV-302238 TDQ
 FILTER CHOKE COIL:
 CONSISTS OF 2 IDENTICAL REACTORS CONNECTED IN SERIES. IRON CORE MIN. IMPEDANCE AT 3V, 60 CYCLES AC AND 0.5 AMPS DC. SHALL BE 30 OHMS FOR EACH. CASE COMPOUND FILLED. HIPOT 1500 VOLTS. EACH REACTOR HAS 125 TURNS OF #16E COPPER
 4/16/45 901691-501 K-901691-501
 MAY 45 XT-3433 REV 3

CRV-302238
 WIRE AND 0.34 OHMS DC RES AT 25°C.

CRV-302239 TDQ
 H.V. FILTER COIL:
 INDUCTANCE 3.25 HENRIES AT 30 VOLTS 60 CYCLES WITH 0.55 AMPS DC IMPEDANCE 1210 OHMS MIN., 1520 TURNS OF #22E COPPER WIRE, 21.2 OHMS AT 25°C DC RES, HIPOT 3000 VOLTS INSULATION TO GROUND. CASE COMPOUND FILLED. IRON CORE.
 4/16/45 XT-3984 K-901361-501
 MAY 45 REV. 8

CRV-302240 TDQ
 FILTER CHOKE COIL:
 IMPEDANCE AT 3V, 60 CYCLES AC AND .15 AMPS DC SHALL BE 3200 OHMS MIN, 3300 TURNS OF #31E COPPER WIRE 238 OHMS AT 25°C DC RES. IRON CORE, HIPOT 1500V INSULATION, COIL AND CORE IMPREGNATED WITH WAX, CASE COMPOUND FILLED.
 4/16/45 XT-3461 K-900904-501
 MAY 45 REV. 3

CRP-302241 VF
 DEFLECTION COIL:
 CONSISTS OF 4 COILS WITH LAMINATED CORES A AND C EACH HAVING 4 SECTIONS. #1/#2/#3/#4, 400/600/400/600 TURNS OF #36E WIRE, 1 AND 3 IN PARALLEL 24 OHMS DC RES. 2 & 4 PARALLEL 40 OHMS. 28 COILS *MIL-2-512 G2 SWS 1 UX820A SPEC.
 4/17/45 92-5128 G2 *SEE ABOVE
 MAY 45

CRP-302241
 WITH 2 SECTIONS EACH. EACH SECTION 1500 TURNS OF #36E WIRE. #1/#2 HAVE 200/223 OHMS DC RES. RESISTANCE BETWEEN LEADS: RED TO BLUE 400 OHMS, RED TO GRAY 445 OHMS, YELLOW TO GREEN 48 OHMS, WHITE TO BLUE 80 OHMS. COMPLETELY ENCLOSED IN HOUSING.

CBM-302242 QCR-1
 OUTPUT TRANSFORMER:
 OPERATION FROM 5000 OHMS TO 100 OHMS. PRI: 590 TURNS #28 SCE WIRE 20 OHMS DC RES., CENTER TAPPED. SEC #1: 41 TURNS #20 SCE WIRE 0.02 OHMS DC RES. SEC #2: 41 TURNS #20 SCE WIRE, 0.02 OHMS DC RES. FREQUENCY RESPONSE 18000 TO 24000 CYCLES
 4/19/45 33682A 33582A
 MAY 45 ALT 1

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		CBM-302242			CTR-302248			CRP-302253
		INDUCTANCE 470 MILLIHENRIES. IRON CORE. HERMETICALLY SEALED.			#22 WIRE WITH 1157/264/0.093/0.292 OHMS DC RESISTANCE. FULLY ENCLOSED STEEL CASE			SGA/SG-1 TRANSFORMER: PRI: 0.0055 KVA, 115V/150, 0.048 AMPS, 1150 TURNS #30E WIRE 60 OHMS DC RES. SEC: 6V, 0.8 AMPS 65 TURNS #19E WIRE 0.31 OHMS DC RES. IRON CORE; ELECTROSTATIC SHIELD; CONTAINED IN RECTANGULAR CAN. 4/14/45 UX-7614A DL74-808 MAY 45 REV. 6
		CAY-302243			CTR-302249			COT-302254
		MAGNETIC COIL ASSEMBLY: CONSISTS OF 4 TRANSFORMERS MOUNTED ON OPEN END CORES. EACH PRI. RATED 2.7V, 240 CYCLES, 0.050 AMP, AND CONSISTS OF 500 TURNS OF #34E WIRE, 21 OHMS DC RES. EACH SEC. CONSISTS OF 750 TURNS OF #34E WIRE, 23 OHMS DC RES, WOUND NEXT TO CORE. 4/20/45 S71283716 CAY:12-8-2200 MAY 45 CHANGE 0			AN/SPR-2 TRANSFORMER, POWER: PRIMARIES: 80-115 VOLTS, 0.520 AMP, WINDING 1/2 HAS 306/104 TURNS OF #22/#25 WIRE WITH 2.505/2.52 OHMS DC RESISTANCE. SEC: #1CT/2/#3/#4 148-149/6.3/6.3/6.3 VOLTS 0.070/5.5/0.45/0.80 AMPS HAVING 1226/23/26/26 TURNS OF #33/2-17/#24/#22 4/24/45 8553 CCG-25A52358 MAY 45 ISS. B			SP-1M TRANSFORMER, POWER: PRI: APPROX. 10 WATTS, 115V., 0.0875 AMPS, 900 TURNS #32 WIRE, 45.7 OHMS DC RES. SEC #1: 5.7V, 1.55 AMPS, 49 TURNS #20 WIRE, 0.21 OHMS DC RES. SEC #2: 210V CT 0.005 AMPS 1720 TURNS #40 WIRE, 825 OHMS DC RES. IRON CORE. 4/14/45 2082A CRV:K-397309 MAY 45 REV. 0
		CW-302244			CTR-302249			CFX-302255
		WCA-2 RETARDATION COIL: CONSISTS OF 4 TOROIDAL TYPE COILS WITH MOLYBDENUM PERMALLOY CORE POTTED IN A HERMETICALLY SEALED RECTANGULAR SHEET METAL CASE ARRANGED FOR SINGLE SIDE MFG. COILS MFG. ON WOODEN SPIHOLE. L1-5.55-5.45 HENRIES 285 OHMS DC RES 3/5/45 CW:D-157372 CBM:V-1000A-65 MAY 45 CBM:755-196A ALT I			WIRE WITH 109.3/0.185/0.476/0.313 OHMS DC RESISTANCE. ENCLOSED IN STEEL CASE.			SP-1M TRANSFORMER, BLOCKING OSCILLATOR: RATED AT 300 TO 2500 CPS; 3 WINDINGS EACH 125 TURNS #36 WIRE, 8 OHMS EACH WINDING. 4/15/45 11790 MAY 45
		CW-302244			CFX-302250			CFX-302256
		6400 TURNS OF #33 WIRE. L2-.131-.129 HENRIES 5.6 OHMS DC RES 980 TURNS OF #24 WIRE. L3-.949-.931 HENRIES 110 OHMS DC RES 3680 TURNS OF #33 WIRE. L4-.949-.931 HENRIES 110 OHMS DC RES 5680 TURNS OF #33 WIRE.			SS DEFLECTION COIL ASSEMBLY: RATED 0.095 HENRIES MIN TO 0.105 HENRIES MAX; 1540 TURNS #37 GA EN WIRE, 530 OHMS DC RES. WOUND ON NON-METALLIC SPOOL IN A CYLINDRICAL, NON-METALLIC CASE. ASSEMBLY INCLUDES SLIP RINGS TO PERMIT ENERGIZING OF COIL WHILE IT ROTATES. 4/25/45 80-16752-1 BA-107705 MAY 45 ISS. I			SP-1M TRANSFORMER, PLATE & FILAMENT: PRI: 115V, 60 CYCLES, 0.43 AMPS APPROX. 530 TURNS #26 WIRE 0.05 KVA APPROX. SEC #1: 650V CT 0.04 AMPS, 3150 TURNS #36 WIRE. SEC #2: 5V 2 AMPS 25 TURNS #20 WIRE. SEC #3: 6.3V CT 2 AMPS 32 TURNS #20 WIRE. IRON CORE. 4/16/45 11695 MAY 45
		CCV-302245			CFX-302251			CTG-302257
		MK 22 RETARDATION COIL: UNPOTTED SHELL TYPE CHOKE WITH SILICON STEEL CORE, INDUCTANCE 0.36 HENRIES, AT 17 VOLTS 800 CYCLES WITH 0.7 AMPS DC, 672 TURNS OF #21 GA EN WIRE, 4.8 OHMS DC RES. 4/24/45 CCV:KS-9277 CW:ESA-661014 MAY 45 CW:ESA-661014 ISS. I			SS TRANSFORMER, POWER: PRI (1-2) RATED 115V, 60 CPS, 2.5 AMPS, 225 TURNS #14 GA E WIRE, 0.49 OHMS DC RES. SEC 3-4/5-6 WOUND AS PARALLEL PAIR: 7.2/6.4 VOLTS, 7/10 AMPS, 14 1/2 TURNS #14 GA E/13 TURNS #13 GA E WIRE, 0.02/0.015 OHMS DC RES. SEC. 7-8/9-10/11-12/ 4/25/45 KS-9824 BO-105286 MAY 45 ISS. I ISS. I			SP-1M TRANSFORMER, POWER: PRI: 130V TAPPED AT 92V, 0.8 AMPS APPROX 640 TURNS #27 WIRE. SEC: 300V TAPPED AT 175V 0.05 AMPS 982 TURNS #34 WIRE. TERT #1 110V TAPPED AT 85 AND 70V 0.2 AMPS 196 TURNS #31 WIRE. #2: 5.0V TAPPED AT 1.5, 2.0, 2.5, AND 3.3V, 3.0 AMPS, 27 4/16/45 9M887 9M887 MAY 45
		CADF-302246			CTG-302251			CTG-302257
		RBF-3 FILTER CHOKE: IMPEDANCE 2000 OHMS MIN. AT 175 M.A.D.C 10V. 60 CYCLES. INDUCTANCE 6 HENRIES, 2300 TURNS OF #28E WIRE, 85 OHMS DC RES, 2500V TO GRD. HERMETICALLY SEALED IN METAL CAN, WITHSTANDS SALT WATER IMMERSION TEST, IRON CORE. 4/24/45 CADF:32C16 CWQ:52X60 MAY 45 CWQ:52X60 REV C			13-14 RATED 26.2/26.2/16.0/6.4 VOLTS, 2.5/2.5/1.0/2.0 AMPS, 53 TURNS #15 GA E WIRE/53 TURNS #15 GA E WIRE/32 TURNS #17 GA E WIRE/13 TURNS #17 GA E WIRE, 0.21/0.22/0.22/0.09 OHMS DC RES. SHELL TYPE; POTTED IN METAL CASE. ELECTROSTATIC SHIELD.			CTG-302257 TURNS #20 WIRE #3: 7.5V. TAPPED AT 6.3, 1.0 AMPS, 12 TURNS #25 WIRE. #4: 50V TAPPED AT 12.6, 25.30V, 0.5 AMPS APPROX. 210 TURNS #28 WIRE. #5: 5.0V, 2.0 AMPS, 26 TURNS #20 WIRE. IRON CORE.
		CTR-302247			CG-302252			CG-302258
		AN/SPR-2 OUTPUT TRANSFORMER: PRI: 10 VOLTS, 60 CYCLES, 0.008 AMPS 6200 OHMS IMPEDANCE 2500 TURNS #39 WIRE WITH 623.9 OHMS DC RESISTANCE. SEC #1/#2 HAS 1900/320 TURNS OF #37/#32 WIRE WITH 245.8/29.25 OHMS DC RESISTANCE. FULLY ENCLOSED STEEL CASE. 4/24/45 8657 MAY 45			T00 TRANSFORMER, MODULATION: POWER: 250 WATTS MAXIMUM. PRI RATED 6250/6250 OHMS IMPEDANCE. 2230/2230 TURNS OF 28 SCE WIRE, 293 OHMS DC RESISTANCE AT 25°C, CENTER TAPPED. SEC #1 5000 OHMS IMPEDANCE, 2340 TURNS OF #25 SCE WIRE, 112 OHMS DC RESISTANCE. SEC #2 4/26/45 CTR:6308-8371 COL:677104000 MAY 45 COL:677104000 REV. I			SP-1M TRANSFORMER, FILAMENT: PRI: 0.03 KVA, 115V, 60 CYCLES, 0.261 AMPS APPROX., 343 TURNS #.0201" WIRE 5.58 OHMS DC RES. 1500 TEST VOLTS TO GROUND. SEC #1: 5V, 60 CYCLES, 3 AMPS, 16 TURNS .0571" WIRE, 0.0475 OHMS DC RES. 2500 TEST VOLTS TO GRD. #2: 5V, 4/16/45 7467165 K-7467165 MAY 45 REV 3
		CTR-302248			CTR-302252			CG-302258
		AN/SPR-2 TRANSFORMER, POWER: PRIMARIES: 115 VOLTS, 0.555 AMP WINDING 1/2 HAS 262/115 TURNS OF #22/#25 WIRE WITH 2.69/2.603 OHMS DC RESISTANCE. SEC #1CT/#2CT/#3/#4/5 500-500/262-262/5/6.71 VOLTS, 0.025/0.055/2.0/0.8 AMPS HAVING 3560/1860/18/22 TURNS OF #38/#34/2-#19/ 4/24/45 8750			320 OHMS IMPEDANCE, 715 TURNS OF 32 SCE 145 OHMS DC RESISTANCE. ELECTROSTATIC SHIELD. TURNS RATIO PRI: SEC #1::1.58::1, PRI: SEC #2::6.25::1. CASED & POTTED. IRON CORE.			CG-302258 60 CYCLES, 3 AMPS, 16 TURNS .0571" WIRE, 0.0504 OHMS DC RES 2500 TEST VOLTS TO GRD. CASED & POTTED.

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CCV-302272 MK-22 TRANSFORMER, POWER PRI RATED 115V/1400 CPS, 280 TURNS OF #20 GA EN WIRE, 1.35 OHMS DC RES. SEC. RATED 45V, 2 AMPS, 114 TURNS #18 GA. EN. WIRE, 0.45 OHMS DC RESISTANCE. SECONDARY TAPPED AT 93, 98.5, 103.5, 109 TURNS, 37, 39, 41, 43 VOLTS. UNPOTTED. SHELL 4/24/45 MAY 45		CW:ESA-661015 ISSUE 1	CRP-302276 OF #26 EN WIRE, 200/1500 PEAK VOLTAGE. 2800/2800 TEST VOLTAGE. MOUNTED IN METAL CAN. SAME AS -30921 EXCEPT FOR TERMINAL DIMENSIONS.			CTR-302283 AN/SPR-2 FILTER CHOKE RATED 10 HENRIES AT 60 CYCLES AND 0.060 AMP RMS. CONSISTS OF 3850 TURNS OF #37 WIRE WITH 412 OHMS DC RESISTANCE. 3250 OHMS IMPEDANCE AT 10 VOLTS, 60 CYCLES AND 0.060 AMP DC. ENCLOSED IN SHIELDED STEEL CASE. 4/23/45 8228B MAY 45		CGG:25452368 ISSUE A
CCV-302272 TYPE. SILICON STEEL CORE. ELECTROSTATIC SHIELD.			CW-302277 WCA-2 TRANSFORMER, INPUT CONSISTS OF TWO COILS. COIL #1: 2300 TURNS OF 40E WIRE, 920 OHMS DC RES. 30 HENRIES INDUCTANCE COIL #2: 10200 TURNS OF 40E WIRE, 4520 OHMS DC RES. IRON CORE. HERMETICALLY SEALED IN CAN. 4/17/45 CW:D-157366 MAY 45 CBM:755-193A		CBM:U-1000A-63 ALT 1	CTG-302284 SC REACTOR INDUCTANCE 800 HENRIES ±50 HENRIES AT 70 VOLTS, 60 CYCLES WITH 0.002 AMPS DC. 15360 TURNS OF 0.005 WIRE, 4250 OHMS DC RES. IRON CORE, HERMETICALLY SEALED IN METAL CAN. 4/25/45 CTG:Z-11896 MAY 45 CG:K27J280		CG:K27J280 REV 7
CAIU-302273 MK-22 TRANSFORMER, POWER PRI RATED: 115V/400 CPS, 400 TURNS OF #27E WIRE, 8.7 OHMS DC RES. SEC #1, 400V 0.03 AMPS, 1450 TURNS OF #35E WIRE, 227 OHMS DC RES. CENTER TAPPED. SEC. #2, 40V, 0.03 AMPS. +145 TURNS OF #35 E WIRE. 25 OHMS DC RES. SEC #3, 20V, 0.03 AMPS. 4/24/45 T-185 MAY 45		AP-1398-24 ISSUE A	CBM-302278 WAC TRANSFORMER, REDLIGHT PRI, 250V, 3 AMPS, 145 TURNS OF #38E WIRE, 1.6 OHMS DC RESISTANCE, 15.5 MICRO HENRIES. SEC. 2000V, 0.003 MILLIAMPS, 1475 TURNS OF #34E WIRE, 140 OHMS DC RESISTANCE, 1.5 MILLIHENRIES. IRON CORE. 4/17/45 336AM MAY 45		336 AM ALT 0	CRV-302285 TDU TRANSFORMER, FILAMENT PRI RATED: 216, 220, & 224V APPLIED TO THE TAPS OF THE PRIMARY AT 60 CPS, 750 TURNS OF #25E WIRE, 15 OHMS DC RES. AT 25°C. TAPPED AT 720, 735 TURNS. SEC. 18 TURNS OF 0.110 X 0.110000 WIRE, 0.018 OHMS DC RES. AT 25°C. SECONDARY IS 4/25/45 XT-1511 MAY 45		K-900078/G-501 REV 9
CAIU-302273 72 TURNS OF #35E 12.4 OHMS DC RES. ALLOY STEEL CORE. POTTED IN A RECTANGULAR METAL CAN.			CRP-302279 QCM-2 TRANSFORMER PRI: 18 WATTS, 115V, 822 TURNS OF #29E WIRE, 23.6 OHMS DC RESISTANCE. SEC: 6V 2.50 AMPS, 48 TURNS OF 18E WIRE, 0.185 OHMS DC RESISTANCE. 40 MILLIHENRIES INDUCTANCE MEASURED AT 1000 CYCLES. IRON CORE. 4/17/45 CRP:3395 MAY 45 CBM:33688		CBM:33688 ALT 0	CRV-302285 CENTER TAPPED. IRON CORE.		
CAIU-302274 MK-22 TRANSFORMER, POWER PRI. 440V, 60 CPS, 682 TURNS OF #19E WIRE, 4.66 OHMS DC RES. SEC #1, 600V 0.03 AMPS, 930 TURNS OF #31E WIRE, 152 OHMS DC RES. CENTER TAPPED. SEC#2/SEC#3/ SEC#4/SEC#5/SEC#6 30V/315V/6.3V/6.3V/ 5.0V, 0.037/1.670/6.0/6.2/0 AMPS, 46/483/ 4/25/45 T-184 MAY 45		AP-1398-7 ISSUE A	CRP-302280 WEB TRANSFORMER, DRIVER OPERATION FROM 6800 TO 340 OHMS IMPEDANCE. PRI RATED 6300/1700 OHMS IMPEDANCE, 840 TURNS OF 28 SCE WIRE, 26 OHMS DC RESISTANCE. CENTER TAPPED. SEC. RATED 340/45 OHMS IMPEDANCE, 198 TURNS OF 25 SCE WIRE, 3.0 OHMS DC RES. CENTER 4/26/45 CRP:U-8269 MAY 45 CBM:938-12		1000A-179 ALT 4	CRV-302286 TDQ TRANSFORMER, ISOLATION PRI. #1 RATED: 115V/50-60 CPS, 0.39 AMPS, 600 TURNS OF #25E COPPER WIRE, 9.75 OHMS DC RESISTANCE. PRI #2 RATED 0.39 AMPS, 600 TURNS OF #23E COPPER WIRE, 21.1 OHMS DC RES. SEC. #1 0.304 AMPS, 646 TURNS OF #26E COPPER WIRE, 16.5 OHMS DC RESIST- 4/25/45 XT-4365 MAY 45		K-901651/G-501 REV 1
CAIU-302274 10/10/8.5 TURNS OF #31E/#18E/#22E/#22E/#17E WIRE, 7.6, 3.45, 0.225, 0.225, 0.08 OHMS DC RESISTANCE. ALLOY STEEL CORE. POTTED IN RECTANGULAR CASE.			CRP-302280 TAPPED. TURNS RATIO; 4.25:1::PRI.:1:SEC. 1 20KC TO 30 KC. IRON CORE. HERMETICALLY SEALED.			CRV-302286 ANCE. CORE LOSS IS 3 WATTS. CASED & POTTED, IRON CORE.		
CAIU-302275 MK-22 TRANSFORMER, POWER PRI. RATED: 0.123V, 400 CPS; 8 TURNS OF #26E WIRE, 0.13 OHMS DC RESISTANCE. SEC: 4.5V, 0.03 AMPS, 280 TURNS OF #35E WIRE, 31.7 OHMS DC RESISTANCE. POTTED IN RECTANGULAR METAL CASE. ALLOY STEEL CORE. 4/25/45 T-186 MAY 45		AP-1398-23 ISSUE A	CG-302281 MK 36 PULSE TRANSFORMER TURNS RATIO, PRI. TO SEC., 5 TO 1. PRI. PULSE PEAK 2.4 KV. DURATION OF PULSE 0.5 MICROSECONDS, 1800 PULSES PER SECOND. 4/23/45 K-2748 MAY 45		M-7475028 REV 1	CRV-302287 QCO-2 TRANSFORMER, INTERSTAGE PRI RATED 10V TAPPED AT 1, 1.5, 3, 6, AND 8V, 3000 TURNS OF 30E WIRE, TAPPED AT 300, 450, 900, 1300 AND 2400 TURNS, 1800 OHMS DC RESISTANCE. SEC #1 RATED 50V, 1500 TURNS OF #33E WIRE, 5900 OHMS DC RESISTANCE. SEC #2 RATED 50V, 1500 4/25/45 #690540 MAY 45		K-5805499 HC REV 4
CRP-302276 SG THIN CHOKE TWIN CHOKES, CONNECTED IN SERIES AND CT BY COMMON TERMINAL. IRON CORES NOT MAGNETUALLY CONNECTED. CHOKES LA/LB RATED 0.012/0.045 AMPS DC AT 60 CYCLES, INDUCTANCE 0.59/1.64 HENRIES NOMINAL 12.33/21.2 OHMS DC RES. EACH 950 TURNS 4/25/45 92-450 MAY 45		DY92-450 SUB B SPEC WX-3517C	CTR-302282 AN/SPR-2 FILTER CHOKE RATED 4 HENRIES AT 60 CYCLES AND 0.060 AMP RMS. CONSISTS OF 3850 TURNS #37 WIRE WITH 412 OHMS DC RESISTANCE. 3800 OHMS IMPEDANCE AT 10 VOLTS 60 CYCLES AND 0.020 AMP DC. ENCLOSED IN SHIELDED STEEL CASE. HERMETICALLY SEALED. 4/23/45 8228C MAY 45		CGG:25452369 ISSUE 0	CRV-302287 TURNS OF #39E WIRE, 7400 OHMS DC RESIST- ANCE. TURNS RATIO: 1.5:1::PRI #1; SEC. #1; 1.5:1: PRI #1:SEC #2. IRON CORE.		

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CRV-302288 QGA
TRANSFORMER
OPERATION FROM 10,000 TO 600 OHMS. PRI.
RATED 10,000 OHMS IMPEDANCE. 2560 TURNS
OF #39S WIRE, 625 OHMS DC RESISTANCE.
SEC. 600 OHMS IMPEDANCE 640 TURNS OF
#32E WIRE, 36 OHMS DC RESISTANCE. PRI IS
CENTER TAPPED IRON CORE. TURNS RATIO
4/25/45 CUD:A-3921 CBM:1000A-13
MAY 45 CBM:955-106 ALT 0

CTR-302288

4:1:1: PRI 1: SEC. 1.

CTR-302292 TDO
TRANSFORMER, POWER
PRI. RATED 240VA, 240V/1/50-60 CPS.
TAPPED AT 220 & 230V, 1.05 AMPS, 2850
TURNS OF #23 EN WIRE, 43.8 OHMS DC RES.
SEC RATED: 340VA, CENTER TAPPED, EACH
HALF 600V, 0.283 AMPS 271 TURNS OF 18EN
WIRE, WHOLE SECONDARY 3.48 OHMS DC RES.
4/26/45 CTR:6306A COL:672106100
MAY 45 COL:672 106100 07827

CTR-302292

POWER IS 200 WATTS. CASED AND POTTED.
IRON CORE. ELECTRO-STATIC SHIELD.

CTR-302296 TDO
TRANSFORMER, AUDIO
POWER: 15 WATTS. PRI IS CENTER TAPPED.
EACH HALF, 1600 OHMS IMPEDANCE, 608
TURNS OF #31 EN WIRE, WHOLE PRI., 133.73
OHMS DC RESISTANCE. SEC. IS CENTER
TAPPED, EACH HALF RATED 710 OHMS
QCT1:47987, COL:5772720 00
4/26/45 CTR:8611 COL:6772720 00
MAY 45 USE ABOVE REV 0

CTR-302296

IMPEDANCE, 870 TURNS OF #32 EN WIRE,
WHOLE SEC. RATED 71.41 OHMS DC RESIST-
ANCE. FREQUENCY RESPONSE, 100 CPS TO
5000 CPS. CASED AND POTTED IN A RECTAN-
GULAR CAN. IRON CORE

CTR302289 TDO
TRANSFORMER, PLATE
PRIMARY RATED: 1035VA, PRI #1 RATED 315/
1/50-60, TAPPED AT 220, 230, 240 VOLTS,
4.5 AMPS, 240 TURNS OF #12 SQ WIRE, 0.38
OHMS DC RESISTANCE AT 25°C. SECONDARY:
CENTER TAPPED: EACH HALF RATED 2300V.
COL:672107000
4/26/45 CTR:6307 COL:672107000
MAY 45 CLV:S-107 0 REV 2

CTR-302289

0.325 AMPS, 1800 TURNS OF #22 SCE WIRE,
92.6 OHMS DC RESISTANCE. SECONDARY RATED
1500VA, POWER: 900 WATTS. ELECTROSTATIC
SHIELD. CASED & POTTED. IRON CORE.

CTR-302293 TDO
TRANSFORMER, PLATE
PRI. RATED 250/1/50-60 CPS, TAPPED AT
210, 220, 230, 240V., 1122 TURNS OF #27
EN WIRE, 26.22 OHMS DC RESISTANCE AT
25°C. SEC 13 CENTER TAPPED, EACH HALF
RATED: 215V, 0.18 AMPS, 1070 TURNS OF
#30 EN WIRE, WHOLE SEC. RATED 132.5 OHMS
4/26/45 CTR:8157 COL:672 257000
MAY 45 COL:672 257000 09678

CTR-302293

DC RESISTANCE. CASED AND POTTED. ELECTRO-
STATIC SHIELD. IRON CORE.

CTR-302297 TDO
TRANSFORMER, FILAMENT
PR. RATED: 100 KVA, 250/1/50-60 CPS.
TAPPED AT 210, 220, 230 AND 240V., 0.435
AMPS, 695 TURNS OF #23 EN WIRE., 7.6
OHMS DC RESISTANCE. SEC IS CENTER TAPPED,
EACH HALF RATED 5.0V 10.0 AMPS, WHOLE
SEC. 29 TURNS OF #11 SQ PAPER COVERED
4/26/45 CTR:3257 COL:672109300
MAY 45 COL:6721093 00 REV 1

CTR-302297

WIRE., 0.04 OHMS DC RESISTANCE. CASED &
POTTED IN A RECTANGULAR CAN. ELECTRO-
STATIC SHIELD. IRON CORE.

CTR-302290 TDO
TRANSFORMER, FILAMENT
PRI RATED 37.5 KVA, 250/1/50-60, TAPPED
AT 210, 220, 230 & 240V. 0.163 AMPS,
1094 TURNS OF #27EN WIRE, 29.9 OHMS DC
RESISTANCE. SEC IS CENTER TAPPED, EACH
HALF IS RATED: 1.25V, 15.0 AMPS, 6 TURNS
OF #9 SQ DP, WHOLE SECONDARY: 0.006 OHMS
4/26/45 CTR:6506-A COL:672114100
MAY 45 COL:672114100 07954

CTR-302290

DC RESISTANCE. SEC. RATED 37.5 VA. CASE
& POTTED IN A RECTANGULAR CAN. IRON
CORE. ELECTROSTATIC SHIELD.

CTR-302294 TDO
TRANSFORMER, FILAMENT
PRI. RATED 15VA, 250/1/50-60 CPS., 0.065
AMPS, 1350 TURNS OF #32 EN WIRE, 89.36
OHMS DC RESISTANCE. TAPPED AT 210, 220,
230, 240V. SEC. IS CENTER TAPPED, EACH
HALF RATED: 2.5V 3.0A, 14.5 TURNS OF
#15 SCE WIRE, WHOLE SEC. 0.061 OHMS DC
4/26/45 CTR:6505 COL:672 113100
MAY 45 COL:672113100 REV. 0

CTR-302294

RESISTANCE, 15VA. CASE & POTTED IN A
RECTANGULAR CAN. ELECTROSTATIC SHIELD.
IRON CORE.

CTR-302298 TDO
TRANSFORMER, FILAMENT
PRIMARY RATED 31.5VA, 250V/3/50-60 CPS,
TAPPED AT 210, 220, 230V, 240V., 0.137
AMPS 1320 TURNS OF #23 EN WIRE, 126 OHMS
DC RESISTANCE. SEC. IS CENTER TAPPED,
EACH HALF RATED 3.15V, 5 AMPS, WHOLE
SEC. 18 TURNS OF #13 SCE WIRE, 31.5VA.
4/26/45 CTR:6504 COL:6721121 00
MAY 45 COL:672112100 REV 0

CTR-302298

CASED & POTTED ELECTROSTATIC SHIELD.

CTR-302291 TDO
TRANSFORMER, FILAMENT
PRI RATED: 65 VA, 250/1/50-60, TAPPED AT
210, 220, 230, 240V, 0.285 AMPS, 995
TURNS OF #25 EN WIRE, 15.6 OHMS DC RES.
SEC. IS CENTER TAPPED, EACH HALF 5.0V,
6.5 AMPS, 21 TURNS OF 12 SCE WIRE, WHOLE
SECONDARY RATED 0.052 OHMS DC RES.
4/26/45 CTR:6503 COL:6721101 00
MAY 45 COL:672 1101 00 REV 0

CTR-302291

(TOTAL) WHOLE SECONDARY RATED, 65VA,
CASED & POTTED IN A RECTANGULAR CAN.
ELECTROSTATIC SHIELD. IRON CORE.

CTR-302295 TDO
TRANSFORMER, FILAMENT
PRI RATED: 250/1/50-60 CPS, TAPPED AT
210, 220, 230 & 240V, 1100 TURNS OF
#27EN WIRE 27.14 OHMS DC RESISTANCE.
SEC #1 CENTER TAPPED, EACH HALF RATED
3.15V, 4 AMPS, 15 TURNS OF #14 SCE WIRE,
WHOLE SEC #1, 0.052 OHMS DC RESISTANCE.
4/26/45 CTR:7980 COL:672271000
MAY 45 COL:672 271000 REV 1

CTR-302295

SEC #2 CENTER TAPPED, EACH HALF RATED
1.25V, 5.5 AMPS 6 TURNS OF #14 SCE WIRE,
WHOLE SEC #2, 0.027 OHMS DC RESISTANCE.
CASED AND POTTED, ELECTROSTATIC SHIELD
IRON CORE.

CTR-302299 TDO
TRANSFORMER, OUTPUT
AUDIO POWER: 0.25 WATT - PRI RATED:
10,000 OHMS IMPEDANCE, 3040 TURNS OF #39
EN WIRE, SEC RATED: 500 OHMS IMPEDANCE,
750 TURNS OF #35 EN WIRE, FREQUENCY
RESPONSE: 100-4000 CYCLES, TURNS RATIO:
4.47:1:1: PRI #1: SEC #1. ELECTROSTATIC
4/26/45 CTR:8570 COL:677 0001 00
MAY 45 COL:6770001 00 REV 0

CTR-302299

SHIELD. CASED & POTTED, IRON CORE.

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Class 30—Transformers and Reactors

3.30-133

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CTR-302300 T00
TRANSFORMER POWER
PRI RATED 250V/1/50-60 CPS, TAPPED AT 210, 220, 230, 240V, 245 TURNS OF #24EN WIRE SEC #1; 80V TAPPED AT 70V, 0.75 AMPS, 290 TURNS OF #24EN WIRE-SEC #2; 110V, 0.5 AMPS, 400 TURNS OF #24 EN WIRE. CASED & POTTED IN A RECTANGULAR 4/27/45 CTR:8070A COL:6742690 00 MAY 45 COL:6742690 00 REV 0

CTR-302300
CAN. ELECTROSTATIC SHIELD. TURNS RATIO: TERM# 1-4: SEC #1::2.87:1, TERM 1-4: SEC#2::2.1:1. IRON CORE.

CAIU-302301 MK 22
FILTER REACTOR:
INDUCTANCE 0.57 HENRIES, WILL PASS 1.6 AMPS AC-R.M.S. AT 349 VOLTS 60 CYCLES, 500 TURNS OF #18E WIRE, 2.47 OHMS DC RES, 2500 VOLTS TO GROUND, IRON CORE, CASED, POTTED AND SOLDERED.
4/26/45 RF-93 AP1398-22 MAY 45 ISSUE A

CTG-302302 SC
VARIABLE TRANSFORMER:
115V. INPUT, 90/130V. OUTPUT. RATED 50-60 CYCLES, 7.5 AMPS MAX. SIMILAR TO -30374 EXCEPT FOR OMISSION OF TERMINALS AND DRILLING IN FRAME CASTING AND ADDITION OF 2 HOLES.
4/26/45 80-83 CG:M-7466138-1 MAY 45 MODIFIED REV 3

CTR-302303 T00
TRANSFORMER, FILAMENT:
PRI RATED: 37.5 VA, 250/3/50-60 CPS, TAPPED AT 210, 220, 230, 240V, 0.163 AMPS, 957 TURNS OF #28EN WIRE, 97.7 OHMS DC RESISTANCE. SEC #1 IS CENTER TAPPED, EACH HALF 1.25V 15 AMPS, 5 TURNS OF #10 SQ DP WIRE, SECONDARY AS A WHOLE: 37.5 4/27/45 CTR-6510 COL-672148000 MAY 45 COL-672148000 REV 0

CTR-302303
VA. IRON CORE. ELECTROSTATIC SHIELD. CASED AND POTTED IN A RECTANGULAR CAN.

CTR-302304 T00
TRANSFORMER POWER:
PRI. RATED 125V TAPPED AT 105, 110, 115, 120 VOLTS, 820 TURNS OF #30EN WIRE. SEC #1, IS CENTER TAPPED, EACH HALF RATED 200V, 0.025 AMPS, 1497 TURNS OF #38EN WIRE. SEC #2 IS CENTER TAPPED, EACH HALF RATED 3.15V, 2 AMPS 24 TURNS OF #20EN 4/27/45 CTR-7880 COL-672255000 MAY 45 COL-672255000 REV. 1

CTR-302304
WIRE. CASED AND POTTED IN A RECTANGULAR CAN. ELECTROSTATIC SHIELD, IRON CORE TURNS RATIO TURN 1-4: SEC #1: 1:3.58 TURNS 1-4: SEC #2: 1:18.25:1.

CTR-302305 T00
TRANSFORMER AUDIO:
PRIMARY RATED 20,000 OHMS IMPEDANCE, 10,616 TURNS OF #40EN WIRE, 915 OHMS DC RESISTANCE. SEC #1 RATED 20,000 OHMS IMPEDANCE, 6100 TURNS OF #41 WIRE, 3780 OHMS DC RESISTANCE, SEC #2 20,000 OHMS 0CTR:CDN41 CTR-144542 COL-677141000 4/27/45 @ SEE ABOVE COL-677141000 MAY 45 REV 1

CTR-302305
IMPEDANCE, 6100 TURNS OF #41 WIRE 3775 OHMS DC RESISTANCE. ELECTROSTATIC SHIELD FREQUENCY RESPONSE 30-10,000 CPS. IRON CORE.

CTR-302306 T00
TRANSFORMER, AUDIO:
POWER: 50 MILLIWATTS. PRI 1 & 2 RATED 500 OHMS IMPEDANCE, 944 TURNS OF #34EN WIRE. PRI #3 RATED 75 OHMS, 356 TURNS OF #34EN WIRE. SEC #1 & #2 RATED 40,000 OHMS IMPEDANCE, 8570 TURNS OF #38EN WIRE. ELECTROSTATIC SHIELDS, CASED AND 4/27/45 CTR-74748 COL-677270000 MAY 45 COL-677270000 REV. 0

CTR-302306
POTTED. TURNS RATIO: 8.95:1::PRI 1 & 2: SEC 1 & 2, 24: 1 AS PRI 3: SEC 1 & 2. FREQUENCY 100 CPS TO 5000 CPS. IRON CORE.

CTR-302307 T00
AUTO TRANSFORMER:
PRI: RATED 250V/1/50-60 CPS, TAPPED AT 220, 210 VOLTS, 270 TURNS OF #9 SQUARE PAPER COVERED WIRE, 20 OHMS DC RESISTANCE SECONDARY: 110/1/50-60 CPS, 25 AMPS 2.750 KVA. IRON CORE. MAX IMPREGNATED, @ CTR-7989 CLV-S104 COL-664141000 4/27/45 @SEE ABOVE COL-664141000 MAY 45 REV. 1

CTR-302307
COMPOUND FILLED CASE.

CTR-302308 T0H
TRANSFORMER, OUTPUT:
POWER: 1 WATT MAX. PRI CENTER TAPPED: 7500/7500 OHMS IMPEDANCE, 2500/2500 TURNS OF #36EN WIRE, 140/139 OHMS DC RESISTANCE. SEC #1 RATED 250 OHMS IMPEDANCE, 462 TURNS OF #30EN WIRE, 5.0 OHMS DC RESISTANCE. SEC #2 RATED 250 4/28/45 CTR-7475 COL-677143000 MAY 45 COL-677143000 REV. 0

CTR-302308
OHMS IMPEDANCE, 462 TURNS OF #30EN WIRE, 4.9 OHMS DC RESISTANCE. TURNS RATIO: 10.96:1::PRI: SEC #1, 10.96:1:: PRI: SEC #2. FREQUENCY RESPONSE IS 100 TO 5000 CPS. ELECTROSTATIC SHIELD, IRON CORE.

CTR-302309 DAB.-1,2,3
TRANSFORMER, AUDIO:
POWER: 0.2 WATTS MAXIMUM. PRI #1: 10,000 OHMS IMPEDANCE, 8100 TURNS OF #33EN WIRE SEC #1: 20,000 OHMS IMPEDANCE, 4240 TURNS OF #38EN WIRE. SEC #2: 20,000 OHMS IMPEDANCE 4240 TURNS OF #33EN WIRE. 0CTR:T-44488 CTR-7502 COL-677102100 4/23/45 @SEE ABOVE COL-677102100 MAY 45 REV. 0

CTR-302309
TURNS RATIO, 1:1:: PRI #1: SEC #1, 1:1:: PRI #1: SEC #2. FREQUENCY RESPONSE 100 CPS TO 5000 CPS. IRON CORE.

CTR-302310 TDH
TRANSFORMER, AUDIO OUTPUT:
POWER: 3.5 WATTS. PRI #1, 7500 OHMS IMPEDANCE, 3325 TURNS OF #35EN WIRE. SEC #1 IS CENTER TAPPED EACH HALF RATED: 250 OHMS IMPEDANCE, 555 TURNS OF #35EN WIRE. TURNS RATIO: 7.75: 1:: PRI: FIRST 0CTR:T-46920 CTR-7635 COL-677240000 4/23/45 @SEE ABOVE COL-677240000 MAY 45 REV. 0

CTR-302310
HALF OF SEC. 7.75:1:: PRI: SECOND HALF OF SEC. FREQUENCY RESPONSE 100 CPS TO 5000 CPS. CASED & POTTED, ELECTROSTATIC SHIELD.

CTR-302311 TDH
TRANSFORMER, FILAMENT: PRI.
RATED 250/3/50-60. TAPPED AT 210: 220, 230, 240 VOLTS, 945 TURNS OF #27EN WIRE SEC #1 CENTER TAPPED, EACH HALF RATED 3.15V. WHOLE SEC #1 RATED 3.0 AMPS MIN.. 25 TURNS OF #15 SCE WIRE. SEC #2 IS CENTER TAPPED, EACH HALF RATED 3.76V, 4/28/45 CTR-8289A COL-672276000 MAY 45 COL-672276000 REV. 0

CTR-302311
WHOLE. SEC. #2 IS RATED 3.0 AMPS, 30 TURNS OF #15 SCE WIRE. CASED & POTTED, ELECTROSTATIC SHIELD.

CTR-302312 TDH
TRANSFORMER, AUDIO:
POWER: 2000 WATTS. PRI: CENTER TAPPED, RATED 6000/6000 OHMS IMPEDANCE, 750/750 TURNS OF #20 SCE/#20 SCE WIRE, 44/46 OHMS DC RESISTANCE. SEC: 4000 OHMS IMPEDANCE, 2600 TURNS OF #23 SCE WIRE, 25.5 OHMS DC RESISTANCE. TURNS RATIO 4/28/45 CTR-8142 COL-667712000 MAY 45 COL-667712000 09278

CTR-302312
1: 1.73:: PRI: SEC. FREQUENCY RESPONSE: 100 TO 5000 CYCLES. COMPOUND FILLED CASE. IRON CORE.

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RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CTR-302313 TDH
 TRANSFORMER, POWER:
 PRI RATED 125/1150-60, TAPPED AT 105, 110, 115, 120, VOLTS, 0.60 AMPS, 462 TURNS OF #22EN WIRE, SEC #1 CENTER TAPPED, RATED: 300/300V, 0.125/0.125 AMPS, 1180/1180 TURNS OF #30EN WIRE, ENTIRE SECONDARY RATED 10 OHMS DC RESISTANCE.
 4/28/45 CTR-17003A COL-672154000
 MAY 45 COL-672154000 REV. 0

CTR-302313

SEC #2 CENTER TAPPED, RATED: 2.5/2.5V, 3.0/3.0 AMPS, 10/10 TURNS OF #16 SCE WIRE, ENTIRE SEC #2 RATED 34.8 OHMS DC RESISTANCE, POWER 32.5 WATTS, SEC RATED 90 VA, ELECTROSTATIC SHIELD, IRON CORE, CASED AND POTTED.

CTR-302314 TDH
 TRANSFORMER AUDIO
 POWER RATING: 1 WATT MAX. PRI #1 RATED 250 OHMS IMPEDANCE, 354 TURNS OF #29EN WIRE, PRI #2 RATED 250 OHMS IMPEDANCE, 354 TURNS OF #29EN WIRE, SEC #1 250 OHMS IMPEDANCE, 350 TURNS OF #29EN WIRE, SEC #2, 250 OHMS IMPEDANCE, 350 TURNS OF #29 4/28/45 CTR-7476 COL-677144000
 MAY 45 COL-677144000 REV. 0

CTR-302314

EN WIRE, TURNS RATIO: 1:1:1: PRI 1: SEC 1 CASED & POTTED, ELECTROSTATIC SHIELD.

CTR-302315 TDH
 TRANSFORMER, FILAMENT:
 PRI, RATED 125V/1150-60 CPS, TAPPED AT 105, 110, 115, 120 VOLTS, 0.165 AMPS, 876 TURNS OF #28EN WIRE, 52.6 OHMS DC RESISTANCE, SEC #1 CENTER TAPPED, RATED 3.15/3.15V, 3.0/3.0 AMPS, 24/24 TURNS OF 2 - #19EN WIRE, SEC #1 AS A WHOLE RATED 4/28/45 CTR-7007A COL-672146000
 MAY 45 COL-672146000 REV. 0

CTR-302315

19 VA, CASED & POTTED, ELECTROSTATIC SHIELD, TURNS RATIO: TERMINALS 1-4: SEC: 18.25:1, IRON CORE.

CTR-302316 TDH
 TRANSFORMER, FILAMENT:
 PRI, RATED 240/3150-60 CPS, TAPPED AT 210, 220, 230 VOLTS, 0.783 AMPS, 572 TURNS, #20EN WIRE SIZE, SEC, CENTER TAPPED, EACH HALF RATED 3.75V, 24.0 AMPS 9 TURNS OF 2 - #10 SQ, PAPER COVERED, WHOLE SEC, RATED 180 VA, ELECTROSTATIC 4/28/45 CTR-7209-A COL-672211000
 MAY 45 COL-672211000 REV. 1

CTR-302316

SHIELD, IRON CORE, CASED & POTTED.

CAIU-302317 MK 22
 REGULATOR ASSEMBLY
 AC WINDING (1-4) RATED 320 VOLTS 0.8 AMPS, 60 CYCLES, INDUCTANCE 1.06 HENRIES 320 TURNS OF #18 WIRE, 2.8 OHMS DC RES., TEST VOLTAGE TO GND, 2500 RMS, OC WINDING (2-3) RATED 0.08 AMPS DC, 18000 TURNS OF #31 WIRE, 2250 OHMS DC RES., 4/27/45 RR-30 AP-1398-16
 MAY 45 ISSUE A

CAIU-302317

SHORTED WINDING HAS 200 TURNS OF #31 WIRE, IRON CORE, CASED, POTTED, SOLDERED, AC WINDING ALSO RATED 0.58 HENRIES AT 352 VOLTS RMS 60 CYCLES 1.6 AMPS.

CBM-302318 NMC-1
 TRANSFORMER, POWER
 INDUCTANCE PRI: 14 TO 18 MILLIHENRIES, SEC: 1.4 TO 1.6 HENRIES, PRI: 145 TURNS OF #26E WIRE, 1.6 OHMS DC RES, SEC: 1475 TURNS OF #34E WIRE, 140 OHMS DC RES, OPERATES AT 600 OHMS TO 75000 OHMS, ENCLOSED IN CAN. 4/28/45 3368F 3368F
 MAY 45

CAIU-302319 QDA
 TILT CONTROL VOLTAGE REGULATOR
 INPUT: 220/440 VOLTS, 60 CYCLES, 1100 WATTS AT 8 AMPERE LOAD, OUTPUT: 115V ±4%, 8 AMPS CONTINUOUS, 13 AMPS INTERMITTENT, 0.85 POWER FACTOR, AN ELECTRONICALLY CONTROLLED SATURABLE REACTOR TYPE ADJUSTABLE AC VOLTAGE REGULATOR CONSIST- 4/28/45 KS-15155
 MAY 45

CAIU-302319
 ING OF A PANEL MOUNT-
 ING THE ELECTRONIC EQUIPMENT SATURABLE REACTOR, INSULATING TYPE INPUT TRANSFORMER, & POWER FACTOR CORRECTION CAPACITORS, TRANSFORMER SECONDARY HAS 2 TAPS ONE SUPPLYING INPUT TO REGULATOR & THE OTHER UNREGULATED 115 VOLTS TO MISCELLANEOUS LOADS & LOAD NORMALLY CARRIED BY REGULATOR IF TAKEN OUT OF SERVICE TO MAINTAIN ELECTRONIC EQUIPMENT

CAIU-302320 QDA
 TRANSMITTER-RECEIVER VOLTAGE REGULATOR
 INPUT: 220/440 VOLTS, 60 CYCLES, 1450 WATTS AT FULL LOAD, OUTPUT: 115V ±4%, 10.5 AMPS, 0.9 POWER FACTOR, AN ELECTRONICALLY CONTROLLED SATURABLE-REACTOR TYPE ADJUSTABLE AC VOLTAGE REGULATOR 4/28/45 KS-15156
 MAY 45

CAIU-302320
 CONSISTING OF PANEL WHICH MOUNTS ELECTRONIC & FILTER EQUIPMENT SATURABLE REACTOR, INSULATING TYPE INPUT TRANSFORMER & POWER FACTOR CORRECTION CAPACITORS, TRANSFORMER SECONDARY HAS 2 TAPS: ONE FOR SUPPLYING INPUT TO REGULATOR & THE OTHER TO UNREGULATED 115 VOLTS TO THE LOAD NORMALLY SUPPLIED BY REGULATOR.

CW-302321 QDA
 VOLTAGE REGULATOR ASSEMBLY
 SHOCK MOUNTED ASSEMBLY UNIT CONSISTING OF 1 CW-10532 VOLTAGE REGULATOR CABINET, 1 CAIU-302319 TILT CONTROL VOLTAGE REGULATOR, 1 CAIU-302320 TRANSMITTER-RECEIVER VOLTAGE REGULATOR, AND 1 CAIU-25502 VOLTAGE REGULATOR CONTROL UNIT. 4/28/45 D-171072
 MAY 45

CTR-302322 TDH
 TRANSFORMER, FILAMENT
 PRI, RATED 240/3150-60, 0.65 AMPS, 368 TURNS OF #21 EN WIRE, SEC, #1 CENTER TAPPED BOTH HALVES RATED 2.5V, 10 AMPS, 4 TURNS OF #11 SQ, PAPER COVERED WIRE, SEC #2 CENTER TAPPED, BOTH HALVES RATED 2.5V, 10 AMPS, 4 TURNS OF #11 SQ PAPER 4/28/45 CTR:8305 COL:6722101 00
 MAY 45 COL:672 2101 00 08401

CTR-302322

COVERED WIRE, SEC #3 CENTER TAPPED, BOTH HALVES RATED 2.5V, 10 AMPS, 4 TURNS OF #11 SQ PAPER COVERED WIRE, ELECTROSTATIC SHIELD, CASED & POTTED, IRON CORE

CTR-302323 TDH
 TRANSFORMER, PLATE
 PRI, RATED 250 VOLTS, TAPPED AT 210, 220, 230, 240 VOLTS, 1.3 AMPS, 460 TURNS OF #18 SCE WIRE, SEC, #1 CENTER TAPPED EACH HALF RATED 600V, 0.353 AMPS, 1150 TURNS OF #23 EN WIRE, POWER: 270 WATTS DC, PRI, RATED 300VA, SEC, RATED 4/28/45 CTR:8121 COL:6722090 00
 MAY 45 COL:6722090 00 09676

CTR-302323

425VA, CASED & POTTED, TURNS RATIO: TERM. 1-4 TO SEC.: 1:5:22, ELECTROSTATIC SHIELD, IRON CORE.

CTR-302324 TDH
 AUTOTRANSFORMER
 PRI #1, 240V/3150-60, TERMINALS (1-4), TAPPED AT 220 VOLTS, TERMINALS 1-2, AND 230 VOLTS TERMINALS 1-3, TERMINALS (1-4) RATED 30A, 268 TURNS OF #18 SCE WIRE, TERMINALS (1-3), RATED 30 AMP, 12 1/4 TURNS OF #9 SQ, PAPER COVERED WIRE 0.009 4/28/45 CTR:6809-A COL:6741670 00
 MAY 45 COL:674 1670 00 REV 0

CTR-302324

OHMS DC RESISTANCE, TERMINALS (1-2) RATED 30 AMPS, 12 1/4 TURNS OF #9 SQ, PAPER COVERED WIRE, CASED & POTTED, IRON CORE.

CTR-302325 TDH
 TRANSFORMER, AUDIO
 PRI #1, CENTER TAPPED, EACH HALF RATED 8000 OHMS IMPEDANCE, 1137 TURNS OF #36EN WIRE, SEC #1, CENTER TAPPED, EACH HALF RATED 32,000 OHMS IMPEDANCE, 2272 TURNS OF #37EN WIRE, TURNS RATIO: 1:1:1: PRI: SEC, 1ST HALF: 1:1:1: PRI: SEC 2ND HALF. 4/28/45 CTR:8290 COL:677 2780 00
 MAY 45 COL:677 2780 00 REV 2

CTR-302325

FREQUENCY RESPONSE 100 TO 5000 CPS, CASED & POTTED, IRON CORE.

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Class 30—Transformers and Reactors

3.30-135

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CTR-302326 TDM
TRANSFORMER, FILAMENT
PRI. RATED 65VA. PRI. 250/3/50-60 CPS.
TAPPED AT 210, 220, 230, 240 VOLTS. 904
TURNS OF #25 EN WIRE. SEC #1. 10V. 3.25
AMPS. 38 TURNS. OF #15 EN WIRE. SEC #2.
10V. 3.25 AMPS 38 TURNS OF #15EN WIRE.
BOTH SECONDARIES ARE CENTER TAPPED.
4/23/45 CTR:7399A COL:672 2790 00
MAY 45 COL:672 2790 00 09677

CTR-302326
SECONDARIES RATED 65VA. CASED & POTTED.
ELECTROSTATIC SHIELD.

CW-302330 SV
DEFLECTION COIL ASSEMBLY
SINGLE WINDING ON TOROIDAL PERMALLOY
CORE POTTED IN HOLLOW CYLINDRICAL METAL
CAN. COIL RATED 0.05 HENRIES ± 10% AT
900 CPS AND CONSISTS OF 1840 TURNS ±1%
OF #36 GA "E" WIRE WITH DC RES. OF 250
OHMS. RING GEAR FASTENED TO OUTSIDE OF
5/4/45 80-29446-1 BA-10776
MAY 45 ISSUE 1

CH-302330
CAN SO THAT ASSEMBLY CAN BE ROTATED.

CAT-302335 NM-14
CHOKES ASSEMBLY
3 CHOKES CONNECTED IN SERIES. TERMINALS
(1-2)(3-4)(5-6). 8.5/17/17 HENRIES
INDUCTANCE AT 500 VOLTS 60 CYCLES 0.125
AMPS. 2300/4000/4000 TURNS OF #27E/#29E/
#29E WIRE. 75/219/219 OHMS DC RES.
SEPARATE CORES NOT MAGNETICALLY CONNECT-
4/30/45 CAT:37906 CAT:5-27139 REV 0
MAY 45 CBN:574-14 SPEC. 18121

CH-302335
ED. CASED AND POTTED. HERMETICALLY
SEALED.

CRV-302327 CRV-50254
TRANSFORMER, OUTPUT
PRI IMPEDANCE AT 50V. 60 CYCLES AC. &
0.008 AMP DC SHALL BE 3500Ω MIN. PRI #1
CONSISTS 850 TURNS OF 0.008E WIRE 80
TURNS/LAYER WOUND OVER SEC 33Ω DC RES AT
25°C. PRI #2 CONSISTS 850 TURNS OF 0.010
E WIRE. 64 TURNS/LAYER. 34Ω DC RES. SEC.
4/23/45 901820-501 K-901820
MAY 45 SUB 1

CRV-302327
CONSISTS OF 361 TURNS OF 0.0089E WIRE
TAPPED AT 333 TURNS. 72 TURNS/LAYER
WOUND OVER PRI #1 AND 15 OHMS DC RES.

CAT-302331 NM-14
TRANSFORMER, POWER
PRI. RATED: 260 WATTS; 240 VOLTS TAPPED
AT 210, 220, & 230 VOLTS. 374 TURNS OF
#18 ESCC WIRE. 2.13 OHMS DC RESISTANCE.
SEC. #1 RATED 850/425V. 0.21 AMPS. 1370
TURNS OF 25ESCC WIRE. 44.3 OHMS DC RES.
*S-26530. REV 1
5/2/45 CAT:38358 CAT:DS-23413
MAY 45 CBN:574-13 REV 0 *

CAT-302331
SEC #2 RATED 5/2.5, 3.0A. CAT-302331
8T OF #14E WIRE. 0.0125Ω DC RESISTANCE.
SEC #3 RATED 2.5/1.25V. 1.75A. 4T OF
#17E WIRE 0.0223Ω DC RES. SEC #4 RATED
2.5/1.25, 5A. 4 TURNS OF #13 500CC WIRE.
0.0076Ω DC RES. SEC #5 RATED 2.5/1.25V.
8 AMPS. 4 TURNS OF #13E(2W) WIRE 0.004Ω
DC RES. ALL SEC ARE CENTER TAPPED. HER-
METICALLY SEALED IN A RECTANGULAR CAN.
IRON CORE.

CRP-302336 NBA
CHOKES ASSEMBLY
2 CHOKES WITH IRON CORES ENCLOSED IN
METAL CAN; 8.75 HENRIES/17.5 HENRIES
INDUCTANCE AT 0.33 AMPS DC/0.2 AMPS DC..
EACH HAS 2190 TURNS OF #25 EN WIRE. 63/
70 OHMS DC RES.. TEST VOLTAGE 1780 RMS.
4/30/45 CRP:M-2390 CBN:55RE52J1050
MAY 45 CBN:803-143 PART NO. 803-143

CBM-302337 QFB
CLUTCH COIL
INDUCTANCE 1.37 HENRIES. 4050 TURNS OF
#36E WIRE. 1100 OHMS DC RES.

4/30/45 893-189 CBN:T893-189
MAY 45 ALT 0

CRV-302328 CRV-50254
TRANSFORMER, POWER
PRI RATED 110V. 50/60 CYCLES. CONSISTS
OF 270 TURNS OF 0.0225E WIRE OF 3.2 OHMS
DC RES. AT 25°C. 54 TURNS/LAYER. SEC #1/
#2/#3 CONSISTS OF 16/13/1670 TURNS OF
0.0403E/0.0359E/0.0080 E WIRE OF 0.08/
0.10/186 OHMS DC RES AT 6.65 OR 3.32/
4/23/45 901819-501 K-901819
MAY 45 SUB 1

CRV-302328
5.4/682 OR 340V. NO LOAD AND 6.21 OR
3.11/5.07/640 OR 320V FULL LOAD AT 2.7/
2/1.110 AMPS. ELECTROSTATIC SHIELD
BETWEEN PRI & SEC HIPOT 2000V. SEC #1 &
SEC #3 CENTER-TAPPED.

CAT-302332 NM-14
TRANSFORMER, OUTPUT
OPERATION FROM 7000 TO 600 OHMS DC RES.
PRI RATED: 7000 OHMS IMPEDANCE. 2800
TURNS OF #34E WIRE. 30C OHMS DC RES. SEC
#1 RATED 600 OHMS IMPEDANCE. 528 TURNS
OF #32ESCC WIRE. 34 OHMS DC RESISTANCE.
*S-24354. REV 1
5/2/45 CBN:574-82 CAT:DS-22802
MAY 45 REV 0 *

CAT-302332
SEC #2 RATED 600 OHMS IMPEDANCE. 528
TURNS #32 ESCC WIRE 134 OHMS DC RES.
BOTH SEC. ARE CENTER TAPPED HERMETICALLY
SEALED IN A RECTANGULAR CAN. IRON CORE.

CRP-302338 NM-14
TRANSFORMER, POWER
PRI. RATED: 130VAC. 440/3/60 CPS. 0.197
AMPS (PHASE CURRENT) 2840 TURNS OF #32E
WIRE. 115 OHMS DC RESISTANCE. SEC #1
RATED: 220/3/60 CPS. 0.08 AMPS (LINE
CURRENT). 1550 TURNS OF #32E WIRE. 40
OHMS DC RESISTANCE. SEC #2 RATED: 6/1/60
5/2/45 CRP:U-250 CRP:DL-74-23
MAY 45 CBN:608-194 CBN:609 SH8

CRP-302338
CPS
4.1 AMPS (LINE CURRENT). 42 TURNS OF
#14CE WIRE. 0.096 OHMS DC RESISTANCE.
HERMETICALLY SEALED IN A RECTANGULAR
CAN. IRON CORE. PRI & SEC #1 ARE WIRE IN
DELTA FORM.

CTR-302329 TDM
TRANSFORMER, AUDIO
POWER: 60-70 WATTS. PRI: CENTER TAPPED.
EACH HALF RATED 7500 OHMS IMPEDANCE 1238
TURNS OF #29 EN WIRE. SEC: CENTER TAPPEC.
EACH HALF RATED 7500 OHMS IMPEDANCE.
1238 TURNS OF #29 EN WIRE. TURNS RATIO;
2:1::PRI: FIRST HALF OF SECONDARY; 2:1::
4/30/45 CTR:8069 COL:677 2770 00
MAY 45 COL:677 2770 00 09210

CTR-302329
PRI IS TO 2ND HALF OF SECONDARY;
FREQUENCY RESPONSE 100 TO 5000 CPS.
CASED & POTTED. IRON CORE.

CRP-302333 NM-14
FILTER CHOKE
INDUCTANCE 5.5 HENRIES. 60 CYCLES. 0.45
AMPS DC.. 1500 TURNS OF #24 E WIRE 50
OHMS DC RES.. TEST VOTAGE 3000 RMS. EN-
CLOSED IN METAL CAN. HERMETICALLY SEALED.
4/30/45 CRP:U-5252 CRP:DL74-492
MAY 45 CBN:720-595 SUB 1

CBM-302334 QCH-2
REACTOR
INDUCTANCE 6.27 HENRIES AT 75 VOLTS 24
KC WITH 8 AMPS DC MAX. CURRENT RATING
10 AMPS. 320 TURNS OF #20 SCE WIRE. 1.7
OHMS DC RES.. SILICON IRON CORE.
4/30/45 572-33 PART NO. 572-33
MAY 45 65RE53J1020

CRP-302339 NM-14
TRANSFORMER, PLATE
PRI. #1 RATED: 360 WATTS. 220-440V/1/60
CPS.. 375 TURNS OF #22E WIRE. 5 OHMS DC
RESISTANCE. PRI #2 RATED: 375 TURNS OF
#22E WIRE. 6 OHMS DC RESISTANCE. SEC #1
RATED: 605V. 0.26 AMPS. 1060 TURNS OF
#26E WIRE. 49 OHMS DC RESISTANCE. SEC #2
5/2/45 CRP:U-5403 CRP:DL74-518
MAY 45 CBN:720-594 REV 0

CRP-302339
RATED: 605V. 0.26 AMPS. 1080 TURNS OF
#26E WIRE. 55 OHMS DC RESISTANCE.
HERMETICALLY SEALED IN A RECTANGULAR
CAN. IRON CORE.

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CRP- 302340 NM-14
 TRANSFORMER, POWER
 PRI RATED: 440/1760 CPS., 0.8 AMPS, 725
 TURNS OF #21E WIRE, 10.50 OHMS DC RESIS-
 TANCE. SEC. RATED: 220V, 1.37 AMPS, 330
 TURNS OF #18E WIRE, 3.75 OHMS DC RESIS-
 TANCE. IRON CORE.
 5/2/45 CRP:U-5253 CBM:720-596
 MAY 45 CBM:720-596 SUB 0

CRP-302345

RESISTANCE. BOTH SECONDARIES CENTER
 TAPPED. HERMETICALLY SEALED. IRON CORE.

CTR-302349

WHICH IS WYE CONNECTED, 4 WIRE. PRIMARY
 RATED 900VA & 8000VA FOR LOW & HIGH
 VOLTAGE OPERATION RESPECTIVELY. SECOND-
 DARY RATED 1750 VOLTS RMS PERLEG AT 1.5
 AMPS WHEN PRIMARY IS CONNECTED FOR LOW
 VOLTAGE OPERATION. POTTED IN A METAL
 CASE.

CBM- 302341 NM-14
 TRANSFORMER
 OPERATION FROM 7000 TO 600 OHMS. PRI.
 RATED 155 MILLIHENRIES, 500 TURNS OF #28
 SC WIRE, 1 OHM DC RESISTANCE. SEC RATED:
 14 MILLIHENRIES, 145 TURNS OF #25C WIRE,
 9 OHMS DC RESISTANCE. MAX IMPREGNATED.
 IRON CORE
 5/2/45 336V 336V ALT. 0
 MAY 45 336-57 ALT. 0

CUT- 302346 JK-9
 TRANSFORMER, OUTPUT:
 OPERATIONS FROM 5000-6 OHMS. PRI RATED:
 5000 OHMS AT 1000 VOLTS, 1000 CPS, 47
 MILLIAMPS 2800 TURNS OF #32E WIRE, 260
 OHM DC RESISTANCE. SEC #1 RATED: 6 OHMS
 IMPEOANCE, 2 PARALLEL 96 TURNS EACH, OF
 #21 WIRE, 0.4 OHMS DC RESISTANCE. HER-
 5/2/45 CUT-57979 CBM-1C00A-101
 JUN. 45 CBM-869-69 ALT 2

CHC- 302350 UL
 CHOKE, FILTER
 INDUCTANCE 14.6 HENRIES AT 1000-, 0 AMPS
 DC; 140 OHMS DC RES. HERMETICALLY SEALED
 5/2/45 #14227 14227
 JUNE 45 REV 0

CBM- 302342 NM-14
 TRANSFORMER
 OPERATION FROM 600 TO 60,000 OHMS. PRI.
 100 OHMS AT 24 VOLTS, 8000 CPS, 15.5
 MILLIHENRIES, 145 TURNS OF 26SCE WIRE,
 1.5 OHMS DC RESISTANCE. SEC RATED: 1.29
 HENRIES, 1475 TURNS OF 34SCE WIRE, 150
 OHMS DC RESISTANCE. TURNS RATIO: 1:10.2:
 5/2/45 336-AF 336-AF ALT 0
 MAY 45 609 SH25

CUT- 302346
 METICALLY SEALED. IRON CORE.

CHC- 302351 UL
 TRANSFORMER, POWER
 PRI RATED 99/198 VOLTS, 60 CYCLES, DC
 RES. OF PRI. TERM 1-2 IS 2.5 OHMS, 3-4,
 IS 2.7 OHMS. SEC #1/2/3/4 RATED 970/6.6/
 5/2.5 AND 125 MA/6 AMP/2 AMP/3.5 AMP. DC
 RES. OF TERMINALS 12-14/10-11/8-9/5-7 IS
 146/0.07/0.07/0.066 OHM. HERMETICALLY
 5/2/45 #14532 14530
 JUNE 45 REV 0

CBM- 302342
 PRI: SEC. CASED AND POTTED. SILICON
 STEEL CORE.

CBM- 302347 WAA
 TRANSFORMER:
 PRI RATED 25 WATTS, 826 TURNS OF 34SSE
 WIRE, 80 OHMS DC RESISTANCE. SEC #1
 RATED 44V, 340 TURNS OF #30SSE WIRE, 17
 OHMS DC RESISTANCE. SEC #2 RATED 44V,
 840 TURNS OF 30SSE WIRE, 17 OHMS DC RE-
 SISTANCE. EACH SECONDARY CENTER TAPPED.
 5/2/45 CBM-758-3006 CBM-758-SH4
 JUN. 45

CHC- 302351
 SEALED.

CG- 302343 OBN
 TRANSFORMER, MODULATOR;
 PRI RATED 1000V, 0.17 AMP SEC RATED 750
 VOLTS. PRI A/ PRI B: 140 TURNS .005"
 COPPER WIRE/140 TURNS 0.010" COPPER
 WIRE, 24.54 OHMS TOTAL DC RES. SEC A/
 SEC B: 140 TURNS .005" COPPER WIRE/70
 TURNS 0.010" COPPER WIRE, 12.99 OHMS
 5/2/45 80G147 CDU-20-233
 JUN. 45 4/19/45

CBM- 302347
 IRON CORE.

CHC- 302352 UL
 TRANSFORMER, PLATE
 PRI. RATED 99/198 VOLTS 60 CYCLES, DC
 RES OF TERMINAL 1-3 IS 8.1 OHMS AND 2 TO
 4 IS 8.5 OHMS. SEC RATED 5520V, CT AT
 2760V, DC RES OF TERM. 5 TO 6 IS 406
 OHMS, OF 6 TO 7 IS 435 OHMS, 11000V
 TEST. TEMP. RISE AT 0.020 AMPS DC TAKEN
 5/2/45 #14501 14501
 JUNE 45 REV 0

CG- 302343
 TOTAL DC RES. INDUCTANCE 30 MILLIHENRIES
 WITH 10V AC, 400 CPS, APPLIED TO PRI-
 MARY.

CRP- 302348 QFB
 TRANSFORMER, FILAMENT:
 PRI RATED 115/1760, 335 TURNS OF 24E
 WIRE, 5.6 OHMS DC RESISTANCE. SEC #1
 RATED 2.5V 6.5 AMPS, 8 TURNS OF #12E
 WIRE, 0.012 OHMS DC RESISTANCE. SEC #2
 RATED 2.5V 6.5 AMPS, 8 TURNS OF #12E
 WIRE, 0.013 OHMS DC RESISTANCE. SEC #3
 5/2/45 CRP-U-7112 CRP:DL-74-697
 JUN. 45 CBM-909-4 ALT 2

CHC- 302352
 FROM FULL WAVE RECTIFIER IS 50°C.
 HERMETICALLY SEALED.

CBM- 302344 NM-14
 TRANSFORMER, OUTPUT:
 PRI RATED: 390-500 MILLIHENRIES, 390
 TURNS OF 28 SCE WIRE, 20 OHMS DC RESIS-
 TANCE. SEC RATED: 4.24-5.8 MILLIHENRIES
 10 TURNS OF 20 SCE WIRE, 0.5 OHMS DC
 RESISTANCE. BOTH PRI & SEC ARE CENTER
 TAPPED. IRON CORE.
 8/2/45 336APB 336APB
 JUN. 45 ALT 2

CRP- 302348
 2.5V, 6.5 AMPS, 8 TURNS OF #12E WIRE,
 0.014 OHMS DC RESISTANCE. ALL SECONDAR-
 IES ARE CENTER TAPPED. ELECTROSTATIC
 SHIELD. IRON CORE. PRI RATED 50 WATTS.

CHC- 302353 UL
 TRANSFORMER FILAMENT
 PRI RATED 99/198 VOLTS 60 CYCLES, DC RES
 OF PRI: TERM. 1-3 IS 4.5 OHMS, 2-4 IS 5
 OHMS. SEC RATED 10V AT 7 AMPS. TEMP RISE
 @ 7A IS 50°C. 5000V TEST, MAX CAP PRI TO
 SEC 150 MMF, MAX CAP. SEC TO CASE AND
 CORE IS 150 MMF. HERMETICALLY SEALED.
 5/2/45 #14260 14260
 JUNE 45 REV 0

CRP- 302345 OCM
 TRANSFORMER, FILAMENT:
 PRI RATED: 170 WATTS, 230/1760 CPS,
 0.74 TURNS OF #22E WIRE, 5.25 OHMS DC
 RESISTANCE. SEC #1 RATED: 10V, 13 AMPS,
 16 TURNS OF #9CE WIRE, 0.017 OHMS DC
 RESISTANCE. SEC #2 RATED 7.5V, 2.5 AMPS,
 12 TURNS OF #16E WIRE, 0.065 OHMS DC
 8/2/45 CRP-U-3989 CBM-722-M
 JUN. 46 CBM-722-472 SH 13

CTR- 302349 TDM
 TRANSFORMER, POWER
 INPUT: 230/3750-60, PRI CONSISTS OF 3
 WINDINGS, (P1,P9,P6)(P7,P6,P5)(P4,P3,P2)
 TO BE CONNECTED IN DELTA, EACH TAPPED
 FOR LOW & HIGH VOLTAGE OPERATIONS; OF
 SECONDARY (10,11,12 TO 13 INITIAL
 BCOL:674 2750 00
 4/30/45 CLV:S-111 6742750 00/
 JUNE 45 CTR:C2A5-SPL ① D9150

CRP- 302354 VF
 FILTER CHOKE
 INDUCTANCE 5 HENRIES AT 6 VOLTS 60 CYCLES
 WITH 0.130 AMPS D.C. 2020 TURNS OF #29E
 WIRE, 90 OHMS D.C. RESISTANCE, IRON CORE,
 CASED AND POTTED, TEST VOLTAGE 1780 RMS.

5/2/45 UX-8721 DU92-922G1
 JUNE 45 SUB 2

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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Class 30—Transformers and Reactors

3.30-137

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CRP-302355 QFB		TRANSFORMER, ASSEMBLY PRI. RATED 1.6 KVA, 20V, 60 CPS, 80 MILLIAMPS, 430 TURNS OF #31E WIRE, 18 OHMS DC RESISTANCE, 0.9 ±11% HENRYS. SEC. RATED: 12 MILLIAMPS, 3010 TURNS OF #39E WIRE, 850 OHMS DC RESISTANCE. TURNS RATIO: 1:7::PRI: SEC. IRON CORE. 5/3/45 CRP:U-3953 CRP:DL74-706 JUNE 45 CBM:909-1 ALT 0	CRP-302359		TANCE. BOTH SEC. ARE CENTER TAPPED. IRON CORE.	CW-302364		SECTION RATED 1800 TURNS OF 36ES WIRE, BOTH SECTIONS 250 OHMS DC RESISTANCE, IRON CORE.
CRP-302356 QFB		TRANSFORMER, GRID PLATE PRI RATED: 30 WATTS, 115/1/60 CPS, 453 TURNS, 26E WIRE, 12 OHMS DC RESISTANCE, SEC. #1/2/3/4 RATED: 30/30/30/6.3V, 0.1/0.1/0.1/3 AMPS, 130/130/130/26 TURNS OF 30E/30E/30E/16E WIRE, 1/1/1/0.09 OHMS DC RESISTANCE, SEC #1, #2, #3 ARE CENTER 5/3/45 CRP:U-7113 CRP:DL74-698 JUNE 45 CBM:909-5 ALT 1	CRP-302360 WDA		TRANSFORMER, FILAMENT PRI RATED 80 WATTS, 115/1/60 CPS, 260 TURNS OF #22 EN WIRE, 3.1 OHMS DC RESIS- TANCE SEC #1/2/3/4, 5/7.5/7.5/2.5V, 2/2.5/2.5/10 AMPS, 12/18/18/6 TURNS OF #18E/#17E/#17E/2 X 14CE WIRE, 0.1/0.09/ 0.093/0.017 DC RESISTANCE, ALL SECON- 5/3/45 CRP:U-5521 830-141 JUNE 45 CBM:803-141 ALT 0	CRP-302365 QFB		TRANSFORMER, PLATE: PRI. RATED 115V/1/60, 256 TURNS OF #21E WIRE, 2.99 OHMS DC RESISTANCE, SEC #1 200V 0.2 AMPS, 460 TURNS OF #27E WIRE, 23 OHMS DC RESISTANCE, SEC #2, 200V, 0.2 AMPS, 430 TURNS OF #27E WIRE, 26 OHMS DC RESISTANCE, SEC #3, 200V, 0.2 5/2/45 CRP:U-7111 CRP:DL74-695 MAY 45 CBM-909-3 ALT 1
CRP-302356		TAPPED, IRON CORE, HERMETICALLY SEALED IN A RECTANGULAR CAN.	CRP-302360		DARIES ARE CENTER TAPPED. IRON CORE.	CRP-302365		AMPS, 460 TURNS, OF 27E WIRE, 28.8 DC RESISTANCE, ELECTROSTATIC SHIELD, IRON CORE PRI. 135 WATTS.
CRP-302357 QFB		TRANSFORMER, GRID PLATE PRI. RATED 0.15 KVA, 3V, 60 CPS, 50 MILLIAMPS, 190 TURNS OF #28E WIRE, 3.5 OHMS DC RESISTANCE, SEC. RATED 2 MILLI- AMPS, 1900 TURNS OF 39E WIRE, 500 OHMS DC RESISTANCE, INDUCTANCE 0.22 HENRIES AT 3 VOLTS, 60 CPS, IRON CORE, CIRCULAR 5/3/45 CRP:U-7138 CRP:DL74-705 JUNE 45 CBM:909-2 ALT 0	CBM-302361 WDA		TRANSFORMER, OUTPUT PRI RATED: 262 MILLIHENRIES, 450 TURNS OF #38SSE WIRE, 118 OHMS DC RESISTANCE, PRI IS CENTER TAPPED, SEC RATED: 49 MILLIHENRIES, 184 TURNS OF #28SSE WIRE, 2.8 OHMS DC RESISTANCE, SECONDARY IS CENTER TAPPED, IRON CORE. 5/3/45 CBM:3368Q 803 SH 19A JUNE 45	CBM-302366 QFB		TRANSFORMER: PRI RATED: 20-115V, 60 CPS, 750 TURNS OF #30E WIRE, 31 OHMS DC RE- SISTANCE, SEC #1 RATED: 250 TURNS OF #30E WIRE, 11.5 OHMS DC RESISTANCE, SEC #2, 250 TURNS OF #30E WIRE, 12.5 OHMS DC RESISTANCE, SEC #3, 250 TURNS 5/2/45 CBM-909-3000 703-3000 MAY 45 ALT 0
CRP-302357		CAN.	CRP-302362 WDA		TRANSFORMER, PLATE & FILAMENT PRI RATED: 100 WATTS, 115/1/60 CPS, TAPPED AT 105, 115, 120 VOLTS 256 TURNS OF #22SCE WIRE, 3.43 OHMS DC RESISTANCE, SEC #1/2/3 RATED: 640/5/6.3V, 0.080/ 3.0/3.2 AMPS, 1410/14/11 TURNS OF 31SCE/ 2-18E/2-18E WIRE, 177/0.055/0.045 OHMS 5/3/45 CRP:U-8999 U-1000A-25 JUNE 45 ALT. 4	CBM-302366		OF #30E WIRE, 13 OHMS DC RESISTANCE, SECONDARY VOLTAGE VARIES IN ACCORDANCE WITH VOLTAGE INDUCED ACROSS THE PRI. IRON CORE.
CBM-302358 WDA		TRANSFORMER, OUTPUT PRI RATED: 360 TO 530 MILLIHENRIES, CENTER TAPPED, EACH HALF RATED 295 TURNS OF 28SCE WIRE, 5 OHMS DC RESISTANCE, SEC RATED: 8 TO 14 MILLIHENRIES, CENTER TAPPED, EACH HALF RATED 41 TURNS OF 20 SCE WIRE, 0.2 OHMS DC RESISTANCE, IRON 5/3/45 336-3001 336-119 JUNE 45 ALT 0	CRP-302362		DC RESISTANCE, ALL SECONDARIES CENTER TAPPED, ELECTROSTATIC SHIELD, IRON CORE.	CRP-302367 QFB		TRANSFORMER, FILAMENT: PRI RATED 21 WATTS, 115/1/60 CPS, 490 TURNS OF #26E WIRE, 11 OHMS DC RESIS- TANCE, SEC RATED: 6.3V, 3 AMPS, 29 TURNS OF #14E WIRE, 0.051 DC RESISTANCE, ELECTROSTATIC SHIELD IRON CORE. 5/2/45 CRP:U7114 DL-74-707 MAY 45 CBM-893-278 SUB 0
CBM-302358		CORE.	CW-302363 MK 12 MOD 0		RETARDATION COIL INDUCTANCE 85 HENRYS AT 400 VOLTS 60 CPS. WITH 0.020 AMPS DC, 7060 TURNS OF #33GA, E WIRE 770 OHMS D.C. RES AT 68°F, 2800V PEAK TO GRD., CASED AND POTTED. 5/4/45 KS 8904 CW:ESA-647910 JUNE 45 ISSUE 1	CRP-302368 SC		TRANSFORMER, PLATE & FILA- MENT: PRI. RATED 115/1/60, 0.36 AMPS, 630 TURNS #27E WIRE, 15 OHMS MAX DC RES. SEC #1/SEC #2: 115/8.3 VOLTS, 0.157/2.88 AMPS; 694 TURNS #30E WIRE/38 TURNS #2 X 21E WIRE; 40/0.145 OHMS DC RES. HER- METICALLY SEALED. 5/4/45 UX9258 DL74-1322 MAY 45 REV. 1
CRP-302359 WDA		TRANSFORMER, PLATE PRI. RATED 530 WATTS, 115/1/60 CPS, 213 TURNS OF 15E WIRE, 0.7 OHMS DC RESIS- TANCE SEC #1 RATED 1500V, 0.25V, 2920 TURNS OF 25E WIRE, 29 OHMS DC RESIS- TANCE, SEC #2 RATED 315V, 0.18V, 600 TURNS OF 26E WIRE, 140 OHMS DC RESIS- 5/3/45 CRP:U-5520 CBM:803-142 JUNE 45 CBM:803-142	CW-302364 WBA		TRANSFORMER, INPUT 137 MILLIHENRIES INDUCTANCE, HEADS (1-2), (6-7)/(2-3)/(5-6)/(3-5) RATED 230/230/ 160/160/220 TURNS OF 36ES/36ES/34ES/34ES/ 29ES, 30/30/15/15/7.5 OHMS DC RESISTANCE LEAD (8-9) (8-9) IN TWO SECTIONS ONE RATED 610 TURNS OF 36ES WIRE, THE OTHER 5/5/45 CW:U-156573 1000A-67 JUNE 45 CBM:755-3014 ALT 1	CRP-302369 NM-14		TRANSFORMER, FILAMENT: PRI RATED: 100 WATTS, 220/440/1/60 CPS, 0.45 AMPS, 660 TURNS OF #27E WIRE, 22 OHMS DC RESISTANCE, PRI #2 RATED 660 TURNS OF #27E WIRE, 27 OHMS DC RESIS- TANCE, SEC #1 RATED: 7.5V, 2.5 AMPS, 24 TURNS OF 15E WIRE, 0.10 OHMS DC RESIS- 5/5/45 CRP:U-5268 720-700 MAY 45 CBM-720-700 ALT 0

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RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
		CRP-302369			CTR-302376 TDH SERIES: LV FILTER REACTOR: INDUCTANCE 4 HENRIES AT 10 VOLTS 60 CYCLES WITH 0.5 AMPS DC. 1900 TURNS OF #25EW WIRE, 40 OHMS APPROX. DC RES, TEST VOLTAGE 2500. IRON CORE, CASED AND POTTED, FOR USE WITH RECTIFIERS DELIVERING 500 VOLTS DC OR LESS. 5/7/45 CTR-6315A COL-678115100 MAY 45 COL-678115100 REV. 0			CRV-302382 TBS TRANSFORMER, POWER: CONSISTS OF 3 IDENTICAL TRANSFORMERS MOUNTED AS A SINGLE UNIT. PRI OF EACH TRANSFORMER RATED 220 OR 440V, 3Φ, 60 CYCLES, PRI #1/#2 OF EACH TRANSFORMER CONSISTS OF 430/450 TURNS OF 0.0226E/0.0226E WIRE 75/75 TURNS/LAYERS OF 6.2/5/7/45 901626-501 K-901626 MAY 45 REV. 3
		CADF-302370 TDD FILTER CHOKER: RATED 8 HENRIES, 150 MA MAX CURRENT, 65 OHMS DC RES. 5/5/45 C-2304 CCI-500-014-A MAY 45			CTR-302377 TDD HV FILTER REACTOR: INDUCTANCE 6 HENRIES AT 21 VOLTS 120 CYCLES WITH 0.7 AMPS DC 2970 TURNS OF #21EW WIRE, 40 OHMS APPROX DC RES, TEST VOLTAGE 10,000 RMS, IRON CORE, CASED AND POTTED, FOR USE WITH RECTIFIERS DELIVERING LESS THAN 2100V DC. 5/7/45 CTR-6316 COL-678116000 MAY 45 COL-678116000 REV. 1			CRY-302382 7.3 OHMS DC RES AT 25°C. SEC OF EACH TRANSFORMER CONSISTS OF 1590 TURNS TAPPED AT 1510 AND 1550 TURNS OF 0.0142E WIRE 1590 TURNS/LAYER OF 76 OHMS DC RES.
		CTR-302371 TDH SERIES FILTER REACTOR: INDUCTANCE 2.0 HENRIES, AT 100 VOLTS RMS WITH 2.0 AMPS DC, 1520 TURNS OF #17 SCE WIRE, 12 OHMS DC RES, IRON CORE, CASED AND POTTED, TEST VOLTAGE 12500. 5/7/45 CTR-8278 COL-678274000 MAY 45 COL-678274000 REV. 0			CTR-302378 TDH SERIES FILTER REACTOR: INDUCTANCE 15 HENRIES AT 10 VOLTS 120 CYCLES WITH 0.02 AMPS DC, 3635 TURNS OF #37 PLAIN ENAMEL WIRE, 500 OHMS APPROX DC RES, TEST VOLTAGE 2500, IRON CORE, CASED AND POTTED, FOR USE WITH RECTIFIERS DELIVERING 300 VOLTS OR LESS. 5/7/45 CTR-6516 COL-678118100 MAY 45 COL-678118100 REV. 0			CRP-302383 SU PLATE & FILAMENT TRANSFORMER: PRI #1 RATED: 21 VA, 115V/60 CPS, 417 TURNS OF #26EN WIRE, 9.3 OHMS DC RESISTANCE, SEC #1/SEC #2/SEC#3 5500/2.5/6.3 VOLTS, 0.002/2/0.6 AMPS, 21400/10/25 TURNS OF 40/17/22EN WIRE, 17300/0.055/0.415 OHMS DC RESISTANCE, 5/3/45 CRP:U-83778 CBM:U1000A-252 JUN. 45 CBM-472-131 ALT 0
		CTR-302372 TDH-3 FILTER REACTOR: INDUCTANCE 8.0 HENRIES AT 10 VOLTS 60 CYCLES WITH 0.1 AMPS DC, 2304 TURNS OF #31EN WIRE, 151.5 OHMS DC RES, TEST VOLTAGE 2500. IRON CORE, CASED AND POTTED, USED IN FILTERS OF RECTIFIERS DELIVERING NOT MORE THAN 500 VOLTS DC. 5/7/45 CTR-8400E COL-678125000 MAY 45 COL-678125000 REV. 1			CRP-302379 PVF TRANSFORMER, PULSE: CONSISTS OF FOUR WINDINGS, WINDING, A/B/C/D, SINGLE PHASE, 60 CYCLES, 125/125/125/63 TURNS OF 36E/36E/36E/30E/ WIRE, 6.3/7.3/7.9/1.03 OHMS DC RESISTANCE, HERMETICALLY SEALED IN A CYLINDRICAL CAN, 0.003 HIGH SILICON STEEL 5/7/45 UX-7361A SPEC DU92-752 MAY 45 UX-7361 SUB 12 SUB 5			CRP-302383 SEC #3 IS CENTER TAPPED, CASED & POTTED, IRON CORE.
		CTR-302373 TDH SERIES HIGH VOLTAGE FILTER REACTOR: INDUCTANCE 12 HENRIES AT 25 VOLTS WITH 0.5 AMPS DC, 4015 TURNS OF #28PE WIRE, 90 OHMS DC RES, TEST VOLTAGE 12000, IRON CORE, CASED AND POTTED, OPERATING VOLTAGE NOT TO EXCEED 3000V DC. 5/7/45 CTR-8320 COL-678280000 MAY 45 COL-678280000 REV. 1			CRP-302380 VF TRANSFORMER, PULSE: CONSISTS OF 4 COILS MOUNTED ON A HYPER-SIL COIL, POTTED IN A MEDIUM OCTAL TUBE BASE WITH COILS CONNECTED IN THIS MANNER: COILS NUMBER 1/2/3/4 CONNECTED BETWEEN PINS #1-8/#2-7/#3-4/#5-6 WITH COIL #1 HAVING 100 TURNS OF #36E WIRE, 5/7/45 UX-7350 DU92654 G2 MAY 45 REV 9			CRP-302384 SU TRANSFORMER, PLATE & FILAMENT: PRI RATED: 810 WATTS, 115V/60 CPS, 183 TURNS, OF #12E WIRE, 0.28 OHMS DC RESISTANCE, SEC #1/#2/#3/#4/#5, RATED 1120/5/6.3/6.3V, 0.6/6/2/3/0.3 AMPS, 1800/8/8/10/10 TURNS OF 20E/2X15E/13E/13E/21E WIRE, 25/0.014/0.029/0.035/0.019 5/8/45 CRP:U-83758 CBM:U1000A-251 JUN. 45 CBM-972-130 ALT D
		CTR-302374 TDH SERIES OSCILLATOR REACTOR: INDUCTANCE 0.0665 HENRIES TAPPED AT 0.0555, 0.0475, 0.0415, 0.0370, 0.0333 HENRIES, Q AT 1000 CPS IS 50,372 TURNS OF #21EN WIRE AND 127 TURNS OF #22EN WIRE CONNECTED IN SERIES, 3 1/2 OHMS DC RES, TEST VOLTAGE 1200 IRON CORE CASED 5/7/45 CTR-63198 COL-678119200 MAY 45 COL-678119200 REV. 0			CRP-302380 3.5 OHMS DC RESISTANCE, COIL #2 HAVING 100 TURNS OF #36 WIRE, 3.95 OHMS DC RESISTANCE, COIL #3 HAVING 50 TURNS OF #36E WIRE, 2.05 OHMS DC RESISTANCE, COIL #4 HAVING 50 TURNS OF #36E WIRE, 1.9 OHMS DC RESISTANCE, POTTED AND FILLED WITH WAX COMPOUND.			CRP-302384 OHMS DC RESISTANCE, SEC #1 TAPPED AT 300V AND 560V, SEC #2, #3, #4 CENTER TAPPED, ELECTROSTATIC SHIELD, CASED AND POTTED, IRON CORE.
		CTR-302374 AND POTTED MAXIMUM OPERATING POTENTIAL 300 VOLTS DC.			CRV-302381 TBS TRANSFORMER POWER: CONSISTS OF 3 IDENTICAL TRANSFORMERS MOUNTED AS A SINGLE UNIT. EACH TRANSFORMER PRI RATED 220 OR 440V, 3Φ, 60-PRI #1/#2 CONSISTS OF 630/630 TURNS OF 0.0113E/0.0113E WIRE OF 90/90 TURNS/LAYER OF 30.2/34 OHMS DC RES. SEC OF 5/7/45 901625-501 K-901625 MAY 45 REV. 3			CRP-302385 SU TRANSFORMER, FILAMENT: PRI RATED: 145 VA, 115V 347 TURNS OF 19E WIRE 2 OHMS DC RES, SEC #1/#2/#3, 6.3/6.3/6.3 VOLTS, 20/1.8/0.6 AMPS, 20/20/20 TURNS OF 100X170/16E/21E WIRE, 1.01/0.09/0.27 OHMS DC RESISTANCE, SEC #1 CENTER TAPPED, CASED & POTTED, IRON CORE. 5/8/45 CRP:U-83968 1000A-253 JUN. 45 CBM-972-129 ALT 1
		CTR-302375 TDH SERIES LV FILTER REACTOR: INDUCTANCE 2 HENRIES AT 10 VOLTS 120 CYCLES WITH 0.15 AMPS DC 1520 TURNS OF #29EN WIRE, 50 OHMS APPROX. DC RES, TEST VOLTAGE 2500, IRON CORE, CASED AND POTTED. 5/7/45 CTR-6315 COL-678159000 MAY 45 COL-678159000 REV. 0			CRY-302381 TBS EACH TRANSFORMER CONSISTS OF 820 TURNS 90 TURNS/LAYER TAPPED AT 775 AND 800 TURNS OF 0.0113E WIRE OF 50 OHMS DC RES AT 25°C, RATED VOLTAGE IS 275V.			CYH-302386 DBM-1 RE 134553B TRANSFORMER, PLATE & FILAMENT: PRI RATED 115V, 60 CYCLES, CONSISTS OF 339 TURNS OF #21E WIRE OF 0.28 OHMS DC RES, SEC #1/#2/#3 RATED 740V, 0.1 AMPS/6.3V, 7 AMPS/5V, 3 AMPS AND CONSISTS OF 2230/19/15 TURNS OF #30E//15 E//15E WIRE OF 168/0.02/0.031 OHMS DC 5/8/45 #PF-111E CBM-1000A-195 JUN. 45 ALT 0

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CTG-302404
 230V, 280 TURNS OF #23 WIRE, 4.2 OHMS (1ST HALF) 4.9 OHMS (2ND HALF) DC RES, BREAKDOWN VOLTAGE 1500 R.M.S., SEC #1/ #2/ #3 AT 25-60 CYCLES RATED 290V/6.3V/ 5.0V AT 185 MA/15.5A/3.0 AHPS; 1580 CT/ 17/14 TURNS OF #27/#16/#19 WIRE, 80/ 0.07/0.12 OHMS DC RES, BREAKDOWN VOLTAGE OF 2500/1500/2000, ELECTROSTATIC SHIELD BETWEEN PRI AND SEC #1.

-302405 RCP
 A.F. CHOKE
 INDUCTANCE 13 HENRIES ± 15% AT 8 VOLTS, 120 CYCLES WITH 100 MILLIAMPS DC, 3890 TURNS OF #32E WIRE, 300 OHMS DC RES., BREAKDOWN VOLTAGE 1500 R.M.S., IRON CORE, VACUUM VARNISH OR MAX IMPREGNATED.
 CCG:1025
 5/9/45 CYC:0-2025 CHL:568008
 JUN. 45 CHL:569008B ISS. D

CRV-302406 TDU
 FILTER REACTOR
 INDUCTANCE 1.0 HENRY AT 30 VOLTS 60 CYCLES WITH 1.0 AMPS DC, 640 TURNS OF #19E COPPER WIRE, 5.2 OHMS DC RES. AT 25°C, IRON CORE, HIPOT 4000V AC, WOUND OVER TUBE, MTD. IN BRACKET AND TREATED.
 5/9/45 XT-3802 K-901119-501
 JUN. 45 REV. 4

CRV-302407 TDU
 REACTOR
 INDUCTANCE 4.5 HENRIES MIN. AT 3 VOLTS 60 CYCLES WITH 0.45 AMPS DC, 1930 TURNS OF #24E COPPER WIRE, 46 OHMS DC RES. AT 25°C, IRON CORE, WOUND OVER KRAFT BOARD TUBE, HIPOT 3000V AC, IMPREGNATED AND SEALED IN CAN.
 5/9/45 XT-3036 K-901381-501
 JUN. 45 REV. 4

CAT-302408 TDU
 POWER TRANSFORMER
 PRIMARY RATED 3.15/3.84 KVA, 50-60 CYCLES, 230V, 150 TURNS PER LEG OF #12 SQ DCC WIRE, DELTA WOUND CONCENTRIC LAYERS, 0.29 OHMS DC RES, SECONDARY RATED 2680 VOLTS, 50-60 CYCLES, 1200 TURNS PER LEG OF #20E SCC WIRE, WYE WOUND CONCENTRIC.
 5/9/45 CAT:S-45237 CRV:M-440480-1
 JUN. 45 CRV:M-440480-1 REV. 0

CAT-302408
 LAYERS, 20.7 OHMS DC RES, EXCITING CURRENT 1.8 AMPS MAX., ENCLOSED IN CAN.

CRV-302409 TDU
 FILTER REACTOR
 IMPEDANCE 27 OHMS AT 3 VOLTS 60 CYCLES AND 4.5 AMPS DC, 210 TURNS OF #14E WIRE, 0.525 OHMS DC RES. AT 25°C, IRON CORE, COIL WOUND OVER KRAFT TUBE, COIL AND CORE SEALED IN CAN FILLED WITH IMPREGNATED COMPOUND.
 5/9/45 XT-2278 CRV:K-900193-501
 JUN. 45 AND 502 REV. 8

CSY-302410 AN/CPN-6
 TRANSFORMER, POWER;
 PRI RATED 115V, 50-70 CPS, 242 TURNS OF #21E WIRE, 2.5 OHMS DC RESISTANCE, SEC #1 RATED 400V 883 TURNS OF #38E WIRE, 105.3 OHMS DC RESISTANCE, SEC #2 RATED 1050V CENTER TAPPED, 2300 TURNS OF #31 WIRE, 240 OHMS DC RESISTANCE, CENTER TAP
 5/10/45 CSY:722-013 CCG:250103109
 JUN. 45 REV. C

CSY-302410
 GROUNDED TO THE CASE. SEC #3/4/5/6/7/8 RATED 5/6.3/6.3/6.3/5/5V, 2/2.7/0.3/1/2/ 2 AMPS, 11/14/14/14/11/11 TURNS OF #17/ 17/24/21/17/17 WIRE, 0.09/0.08/0.36/0.17, 0.07/0.07 OHMS DC RESISTANCE, IRON CORE.

CGG-302411 AN/CPN-6
 TRANSFORMER, POWER, FILAMENT;
 PRI. RATED 115V/50-70 CPS, 460 TURNS OF #23EN WIRE, 5.0 OHMS DC RES. SEC #1 RATED: 6.3V, 0.6 AMPS, 27 TURNS OF #24EN WIRE, 0.5 OHMS DC RESISTANCE. SEC #2 RATED: 6.3V, 9 AMPS, 27 TURNS OF #12EN WIRE, 0.03 OHMS DC RES. IRON CORE.
 5/10/45 CSY:731-009 25D103111
 JUN. 45 REV. D

CG-302412 TDY-I
 REACTOR
 RATED 10 HENRIES, 0.5 AMPS DC, CONSISTS OF 2040 TURNS OF 0.0253 WOUND WIRE, 44.3 OHMS MAX DC RES. HIPOT 10,000 VOLTS.
 5/11/45 7470652 M-7470652
 JUN. 45

CKT-302413 SR-2
 FILAMENT TRANSFORMER
 PRI. RATED 115V AC, 60 CPS, 1 AMP, 220 TURNS #22 PE WIRE, 2.59 OHMS DC RES, 2000V INSULATION TEST, SEC. RATED 5 VOLTS, 20.6 AMPS, 10 TURNS #9 SQUARE DCC WIRE 0.03 OHMS DC RES, 21,000V INSULATION TEST, HERMETICALLY SEALED.
 5/9/45 S-19934 CRV:M-439906-1
 JUN. 45 REV. 1

CAWL-302414 SR-2
 POWER TRANSFORMER
 PRI. RATED 115V, 60 CPS, 13.8 AMPS; 100 TURNS #10 SQUARE DCC WIRE, TAPPED AT 41, 44, 47.5, 51.5, 56, 61, 68.5, 76.5 AND 87 TURNS, 0.15 OHMS TOTAL DC RES. SEC. RATED 15,300V, 0.16 AMP; 5450 TURNS #27E WIRE, CT TO GROUND, 607 OHMS TOTAL DC
 5/9/45 P-60048 CRV:P-719886-1
 JUN. 45 REV. 0

CAWL-302414
 RES. ELECTROSTATIC SHIELD BETWEEN PRI. & SEC. HERMETICALLY SEALED.

CRV-302415 SR-2
 AUTO TRANSFORMER
 PRI. 20 TURNS 0.0159E WIRE, 0.227 OHMS DC RES. SEC. 180 TURNS 0.0089 SCE WIRE, 10.7 OHMS DC RES, TOTAL INDUCTANCE 0.019 HENRY, AT 1000 CPS, 5V, PRI. (GROUND TERM.) CONNECTED TO CAN WITHIN CASE.
 5/9/45 K-901809-501 K-901809-501
 JUN. 45 REV. 1

CSY-302416 AN/CPN-6
 TRANSFORMER, POWER (PLATE & FILAMENT); PRI RATED, 115 VOLTS, 50-70-, 130 VA, 196 TURNS OF #19E WIRE, 1.4 OHMS DC RESISTANCE, SEC #1: 840/ 490V, 1430 TURNS OF #28E WIRE, TAPPED AT 298, 715, 1132 TURNS, 75.3 OHMS DC RES. SEC #2/3/4/5/6/7 RATED: 5/6.3/6.3/ 5/3/45 CSY:722-012 CCG:250103110
 JUN. 45 REV. B

CSY-302416
 6.3/5/5V 2/3/0.3/2/2/2 AMPS, 9/12/12/ 12/19/9 TURNS OF #17/18/26/17/17/17 WIRE 0.04/0.07/0.55/0.01/0.04/0.05 OHMS DC RES. IRON CORE.

CAZR 302417 AN/CPN-6
 TRANSFORMER, POWER, FILAMENT
 PRI RATED 115V, 50-70 CPS, 5520.0 OHMS DC RES, SEC #1 RATED 5 VOLTS AT 5 AMPS, 0.037 OHMS DC RES, SEC #2 RATED 5V AT 5 AMPS, 0.033 OHMS DC RESISTANCE, INSULATED FOR 15000V DCW, IRON CORE.
 5/9/45 CAZR:5502 CCG:25C100473
 JUN. 45 REV. B

CAZR 302418 AN/CPN-6
 TRANSFORMER, POWER, PLATE
 PRI RATED 115V, 50-70 CPS, SEC #1 RATED 6V AT 0.3 AMPS, SEC. #2 RATED 5,600V AT 0.1 AMPS, SECONDARIES ARE INSULATED FOR 15KV W&G, DC.
 5/10/45 CAZR:5503 CCG:25C100471
 JUN. 45 REV. B

CSY-302419 AN/CPN-6
 TRANSFORMER, POWER
 PRI RATED: 115V, 50-70 CPS, 350 TURNS OF #20EN WIRE, 2.2 OHMS DC RES. SEC RATED, 24V, 4.2 AMPS, 81 TURNS OF #16EN WIRE, 0.2 OHMS DC RES. IRON CORE.
 5/10/45 CSY:731-010 CCG:25D103112
 JUN. 45 REV. D

CSY-302420 AN/CPN-6
 TRANSFORMER, A.F.
 FREQUENCY RESPONSE: 200 TO 4000 CPS ± 6 db. PRI. RATED 10,000 OHMS IMPEDANCE. 10V.
 1.65V, 2900 TURNS OF #42E WIRE, 1043 OHMS DC RESISTANCE, SEC #1 RATED 500 OHMS IMPEDANCE, 1.65V, 480 TURNS OF
 5/10/45 CSY:712-007 CCG:25C48815
 JUN. 45 REV. C

CGG-302420
 #33E WIRE, 24 OHMS DC RESISTANCE. SEC #2 RATED 30 OHMS IMPEDANCE, 0.131V, 38 TURNS OF #27E WIRE, 0.515 OHMS DC RESISTANCE, POWER RATING, 1 WATT, IRON CORE.

CG-302421 AN/CPN-6
 TRANSFORMER, PULSE
 CONSISTS OF 4 WINDINGS: 2 PRIMARIES CONNECTED IN PARALLEL TO TERMINALS 1 & 2, PEAK VOLTAGE 1000V, 6.14 OHMS DC RESISTANCE, SECONDARY CONNECTED TO TERMINALS 5 & 6, PEAK VOLTAGE, 1000V, 11.49 OHMS DC RESISTANCE, TERTIARY CONNECTED TO
 5/10/45 L83828 25B102428
 JUN. 45 REV. A

CGG-302421
 TERMINALS 3 & 4; PEAK VOLTAGE, 500V., 1.40 OHMS DC RESISTANCE, EACH WINDING HAS A 2 MICRO-SEC. DELAY, AND IS RESONANT AT 2000 PULSE PER SEC.

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Class 30—Transformers and Reactors

3.30-141

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CW-302422	MK 12 MOD 0	TRANSFORMER, POWER PRI. RATED 23 WATTS, 115V/55-65 CPS, 0.26 AMPS, 730 TURNS OF 25GA E WIRE, 9.1 OHMS DC RESISTANCE. SEC. #1 RATED: 6.45V, 3.0 AMPS, 44 TURNS OF 16GA E WIRE, 0.09 OHMS DC RESISTANCE. CASED & POTTED. ELECTROSTATIC SHIELD. SILICON STEEL CORE. 5/10/45 JUN. 45	CW-302426		0.019 OHMS DC RESISTANCE. SEC #3 RATED 6.3V, 2 AMPS 19 TURNS OF 16GA E WIRE, 0.060 OHMS DC RESISTANCE. ELECTROSTATIC SHIELD BETWEEN PRI. & SEC #3, AND BETWEEN SEC #3 & SEC #4. CASED & POTTED. SILICON STEEL CORE.	CAAC-302430-A		NARROWER.
CW-302423	MK 8 MOD 3	TRANSFORMER, INPUT OPERATION FROM 200 TO 25,000 OHMS IMPEDANCE. PRI. RATED 200 OHMS IMPEDANCE. 875 TURNS OF #34GA E WIRE, 76.0 OHMS DC RESISTANCE. SECONDARY RATED: 25,000 OHMS IMPEDANCE, 9783 TURNS OF #40GA E WIRE, 4200 OHMS DC RESISTANCE. FREQUENCY TO 5/10/45 JUN. 45	CW-302427	MK 12 MOD b	TRANSFORMER, POWER PRI. RATED 90 WATTS, 120V, 55-65 CPS, TAPPED AT 110, 115V, 0.85 AMPS, 181 TURNS OF #22GA E WIRE, 2.35 OHMS DC RESISTANCE. SEC: TERM (5-6) 2.5V, 5 AMPS, 4 TURNS OF SHEET CONDUCTOR, 0.014 OHMS DC RESISTANCE. TERM (6-8) 3700V, 0.025, 5/10/45 JUN. 45	CADF-302431	MK 36	RE 13A553 AND ADD. 2 RATED 2.5 HENRIES AT 0.7 AMPS DC. 16 OHMS DC RESISTANCE. IRON CORE. HERMETICALLY SEALED. 5/9/45 8C1 JUNE 45
CW-302423		500 CPS. PER SEC. POTTED IN A RECTANGULAR CAN. 4-79 HOLYBDEMUM PERMALLOY CORE.	CW-302427		AMPS, 5800 TURNS OF #38GA E WIRE, 3650 OHMS DC RESISTANCE; TERM (8-9), 2.5V, 5 AMPS, 4 TURNS OF SHEET CONDUCTOR, 0.016 OHMS DC RESISTANCE. TERM 7 OCCURS AT 2900.5 TURNS FROM TER. 6. ELECTROSTATIC SHIELD. CASED & POTTED. SILICON STEEL CORE.	CAAC-302431-A	MARK 36	REACTOR RATED 2.5 HENRIES AT 0.7 AMPS DC. 16 OHMS DC RES. IRON CORE. HERMETICALLY SEALED. SAME AS -302431 EXCEPT HAS GLASS INSTEAD OF STEATITE BUSHINGS. 5/26/45 JUN. 45
CW-302424	MK 12 MOD 0	TRANSFORMER, INPUT TERM (1-3) 52.5 IMPEDANCE, 102 TURNS, (22 TURNS OF #20 PARALLEL PR., 80 TURNS OF 19-#32 STRANDED DOUBLE) 0.45 OHMS DC RESISTANCE. TERM (4-6) 1100 OHMS IMPEDANCE, 102 TURNS, (22 TURNS OF #20 PARALLEL PR, 80 TURNS OF 19-#32 STRANDED 5/10/45 JUN. 45	CW-302428	MK 12 MOD 0	TRANSFORMER, POWER PRI. RATED 32 WATTS, 115V/55-65 CPS, 0.3 AMPS, 815 TURNS OF #26GA E WIRE, 12.5 OHMS DC RESISTANCE. SEC. #1: 6.35V, 3.6 AMPS, 50 TURNS OF 16GA E WIRE, 0.11 OHMS DC RESISTANCE. SEC #2: 6.3V, 0.6 AMPS, 50 TURNS OF 24GA E WIRE, 0.70 OHMS DC 5/10/45 JUN. 45	CG-302432	MK 36.	RE 13A553 AND ADD. 2 RATED 10 HENRIES AT 0.075 AMP. HAS 3300 TURNS OF 0.0071" E WIRE 281 OHMS DC RESISTANCE 3000V HIPOT. HERMETICALLY SEALED. IRON CORE. 5/9/45 M-7474316 JUNE 45
CW-302424		DOUBLE) 0.45 OHMS DC RESISTANCE. TERM (7-8) 1 TURN OF #24GA E WIRE, 0.03 OHMS DC RESISTANCE. CASED & POTTED, PERMALLOY CORE.	CW-302428		RESISTANCE. CASED & POTTED. ELECTROSTATIC SHIELD. SILICON STEEL CORE.	CADF-302433	MK 36	RE 13A553 AND ADD. 2 PRI: 113 VOLTS, 400 CYCLES SEC: 1/72/ #3/ 4 RATED 6.3/6.3/6.3/6.3 CT VOLTS, 3.5/3.5/9.1/0.65 AMPS. HERMETICALLY SEALED. ELECTROSTATIC SHIELD BETWEEN PRIMARY AND SECONDARIES. 5/9/45 8P10 JUNE 45
CW-302425	MK 12 MOD 0	TRANSFORMER, POWER PRI. RATED: 210 WATTS, 115V/55-65 CPS, 1.9 AMPS, 192 TURNS OF 18GA E WIRE, 0.92 OHMS DC RESISTANCE. SEC #1 RATED: 6.35V, 15 AMPS, 11 TURNS OF SHEET CONDUCTOR, 0.007 X 1 3/4, 0.008 OHMS DC RESISTANCE. SEC #2 RATED 6.35V, 15 AMPS, 11 TURNS OF 5/10/45 JUN. 45	CADF-302429	MK 36	TRANSFORMER FILAMENT PRI.: 115 VOLTS, 400 CYCLES SEC: 10 VOLTS, 1.5 AMPS. HERMETICALLY SEALED. ELECTROSTATIC SHIELD BETWEEN PRIMARY AND SECONDARY. 5/9/45 JUNE 45	CAAC-302433-A	MARK 36	TRANSFORMER, FILAMENT PRIMARY: 115V/1400. SECONDARY #1/#2/#3/#4 RATED 6.3/6.3/6.3/6.3 CT VOLTS AT 3.5/3.5/9.1/0.65 AMPS. HERMETICALLY SEALED. ELECTROSTATIC SHIELD BETWEEN PRIMARY AND SECONDARY. SAME AS -302433 EXCEPT HAS GLASS INSTEAD OF STEATITE BUSHINGS AND IS 1/4" NARROWER. 5/26/45 JUN. 45
CW-302425		SHEET CONDUCTOR, 0.007 X 1 3/4, 0.009 OHMS DC RESISTANCE. BOTH SECONDARIES CENTER TAPPED. CASED AND POTTED. ELECTROSTATIC SHIELD. SILICON STEEL CORE.	CADF-302430	MK 36	TRANSFORMER FILAMENT PRI: 115 VOLTS, 400 CYCLES. SEC: -1/72/ #3 RATED 6.3 CT/6.3/6.3 VOLTS, 21/2.7/ 0.66 AMPS. HERMETICALLY SEALED. ELECTROSTATIC SHIELD BETWEEN PRIMARY AND SECONDARIES 1500V RMS TEST. 5/9/45 8P12 JUNE 45	CAAC-302433-A		BUSHINGS AND IS 1/4" NARROWER.
CW-302426	MK 12 MOD 0	TRANSFORMER, POWER PRI. RATED 115 WATTS, 115V-55-65 CPS, 1 AMP, 330 TURNS OF 21GA E WIRE, 2.25 OHMS DC RESISTANCE. SEC #1 115V, 0.1 AMPS, 350 TURNS OF #32GA E WIRE, 35 OHMS DC RESISTANCE. SEC #2 RATED 6.5V, 12 AMPS, 20 TURNS OF #14GA E PARALLEL PAIR, 5/10/45 JUN. 45	CAAC-302430-A	MARK 36	TRANSFORMER, FILAMENT PRIMARY: 115/1400. SECONDARY #1/#2/#3 RATED 6.3 CT/6.3/6.3 VOLTS AT 21/2.7/ 0.66 AMPS. HERMETICALLY SEALED. ELECTROSTATIC SHIELD BETWEEN PRIMARY AND SECONDARY. SAME AS -302430 EXCEPT HAS GLASS INSTEAD OF STEATITE BUSHINGS AND IS 1/2" 5/26/45 JUN. 45	CADF-302434	MK 36	RE 13A553 AND ADD. 2 TRANSFORMER, PLATE PRI: 115/1400 SEC: 1910 V AT 0.05/KVA HERMETICALLY SEALED. ELECTROSTATIC SHIELD BETWEEN PRIMARY AND SECONDARY 4820V RMS TEST. 5/10/45 8P11 JUNE 45

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RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CAAC-302434-A MARK 36 TRANSFORMER, PLATE PRIMARY: 115/1/400. SECONDARY: 1910 VOLTS AT 0.051 KVA. HERMETICALLY SEALED. ELECTROSTATIC SHIELD BETWEEN PRIMARY AND SECONDARY. SAME AS -302434 EXCEPT HAS GLASS INSTEAD OF STEATITE BUSHINGS AND IS 1/4" NARROWER. 5/26/45 JUN. 45			HIPOT SEC 1. 2500V. OTHER WINDINGS 1500V.		CG-302438	CG-302444 MK 36 RE 13A 553B TRANSFORMER AND REACTOR & ADD 2 REACTOR RATED 4.5 HENRIES AT 0.030 AMPS DC. TRANSFORMER VIDEQ PRI LOAD 3500 OHMS, SEC LOAD 72 OHMS.	5/10/45 M-7474333 JUN. 45	M-7474333 REV. 1
CAAF-302435 HK 36 RE 13A 553B TRANSFORMER, PLATE AND ADD. 2 PRI.: 115/1/400 SEC: 1530 VOLTS CT AT 0.73KVA. HERMETICALLY SEALED. ELECTRO- STATIC SHIELD BETWEEN PRIMARY AND SECONDARY 4160V RMS TEST.			CG-302439 MK 36 RE 13A 553B TRANSFORMER & ADD. 2 PRI RATED 115V. 400 CYCLES. CONSISTS OF 234 TURNS OF 0.0201 E WIRE OF 2.62 OHMS DC RES. SEC. RATED 1310/655 VOLTS AT 0.07 KVA. CONSISTS OF 2620 TURNS OF 0.0071 E WIRE OF 293 OHMS DC RES. PRI HIPOT 1500V. SEC. 3750V. 5/10/45 M-7474323 JUN. 45		CG-M-7474323 REV. 2	CW-302445 FSF RETARDATION COIL	5/10/45 D-168656 JUN. 45	
5/10/45 8P13 JUNE 45		CG:M-7474321 REV 2						
CAAC-302435-A MARK 36 TRANSFORMER, PLATE PRIMARY: 115/1/400. SECONDARY: 1590 VOLTS CT AT 0.79 KVA. HERMETICALLY SEALED. ELECTROSTATIC SHIELD BETWEEN PRIMARY AND SECONDARY. SAME AS -302435 EXCEPT HAS GLASS INSTEAD OF STEATITE BUSHINGS.			CG-302440 MK 36 RE 13A 553B TRANSFORMER PLATE AND FILAMENT: PRI RATED 115V. 400 CYCLES. CONSISTS OF 312 TURNS 0.0253 E WIRE. 1.99 OHMS DC RES. SEC #1/2/3/4/5 RATED 1000/6.3/6.3/6.3/2.5V AND 0.00573.5/1.5/ 0.7/3.5 AMPS. CONSISTS OF 2790/18/18/18/ 7 TURNS OF 0.0035"/0.0571"E/0.0253"E/ 5/10/45 M-7474325 JUN. 45		CG:M-7474325 REV. 2	CW-302446 FSF RETARDATION COIL	5/10/45 D-171795 JUN. 45	
5/26/45 JUN. 45								
CW-302436 FSA TRANSFORMER. POWER: SHELL TYPE. STEEL CORE, POTTED IN METAL CASE. PRI (1-2-3)/(4-5-6). (1-2)(4-5) PARALLEL FOR 103.5V 1.4A. (1-3)(4-6) PARALLEL FOR 115V. 1.3A. (1-2)(4-5) SERIES FOR 207V. 0.7A. (1-3)(4-6) SERIES CG:M-7474321 REV 2 5/10/45 K9-9779 JUNE 45		BA-103341 ISS 1 *SEE ABOVE	CG-302440 0.0253"/0.0490"E WIRE OF -1175/0.0425/ 0.116/0.242/0.0038 OHMS DC RES. HIPOT SEC #1: 3000V, OTHER WINDINGS 1500V.		CG-302447 MK 36 SOLENOID OPERATING VOLTAGE 115V. 400 CYCLES AC MIN. GROSS PULL 0.3 LB AT 100% VOLTS. OPERATES FROM AMBIENTS FROM -40°C TO +60°C AND RELATIVE HUMIDITIES OF 0 TO 95%.	5/11/45 CR-9502D103A2 JUN. 45	M-7475907 REV. 0	
FOR 230V. 0.6A OPERATION. CW-302436 SEC. (10-11)/(12-13)/(14-15)/(16-17) RATED 6.4/5.0/6.3/6.4V. 4.5/2.0/0.6/0.45 A WITH (10-11) AT GRO POTENTIAL (12-13) (14-15) 570V PEAK TO GRO. (16-17) 210V PEAK TO GRO. SEC (7-8-9) RATED 800V. 0.120A FOR (7-9) & 400V 0.070A. FOR (7-8) WITH (7-9) 630V PEAK TO GRO & (7-9) 55V PEAK TO GRO. ELECTROSTATIC SHIELD BETWEEN PRI & SEC CONNECTED TO CASE.			CG-302441 MK 36 RE 13A 553B TRANSFORMER. PULSE & AFF. 2 PRI RATED 200V. SEC #1/2 RATED 200/200V DURATION OF PULSE 1/2 MICROSECOND. REPI- TION RATE. 2000 PER SECOND.		CG:M-7474334 REV. 1	CUT-302448 YR RE 13A 553B REACTOR, COUPLING INDUCTANCE IS 30 HENRIES MIN. 3 MA DC. CONSISTS OF 1700 TURNS CT OF #41E WIRE OF 5500 OHMS DC RES. 1000V AC TEST.	5/11/45 88437 JUN. 45	CDE:82452A REV. 0
CG-302437 MK 36 TRANSFORMER, PLATE PRI RATED 115V. 400 CYCLES. 0.0992 KVA. CONSISTS OF 177 TURNS OF 0.0359E WIRE OF 0.904 OHM DC RES. SEC #1/2/3 RATED 6.3/6.3/5.0 VOLTS AND 110A/10.5A/16.6A. CONSISTS OF 10/10/8 TURNS OF 0.125 X 0.085/0.0253E/0.110 X 0.060 WIRE OF 5/10/45 M-7474320 JUN. 45		M-7474320 REV. 0	CW-302442 FSA RETARDATION COIL INDUCTANCE AT 60 CYCLES MIN IS 40 HEN- RIES WITH 3V ACROSS TERMINALS AND 0.0 AMPS DC THROUGH WINDING. WINDING 1-2 CONSISTS OF 11,000 TURNS OF #37E WIRE, 1000 OHMS DC RES. AT 70°F. WAX IMPREG- NATED AND HERMETICALLY SEALED. STEEL 5/10/45 D-169455 JUN. 45		BA-108235 ISSUE 1	CUT-302449 YR RE 13A 553B REACTOR, FILTER INDUCTANCE 22 HENRIES MIN. 25 MA DC. CONSISTS OF 3800 TURNS #33E WIRE, 310 OHMS DC RES. 1000V AC TEST.	5/11/45 88442 JUN. 45	CDE:82453A REV. 0
		CG-302437	CW-302442					
0.00745/0.133/0.01144 OHMS DC RES. HIPOT PRI. SEC 1 AND 2: 1500V. SEC 3 IS 2750V.			CORE OPERATING VOLTS TO GRO IS 250V PEAK.		CG-302442	CUT-302450 YR RE 13A 553B REACTOR, FILTER INDUCTANCE 8.4 HENRIES AT 200 MA DC. CONSISTS OF 2900 TURNS #29E WIRE, 120 OHMS DC RES. 1000V AC TEST.	5/11/45 88449 JUN. 45	CDE:82454A REV. 0
CG-302438 MK 36 RE 13A 553B TRANSFORMER, FILAMENT & ADD. 2 PRI RATED 115V. 400 CYCLES. CONSISTS OF 477 TURNS OF 0.0126 E WIRE OF 9.493 OHMS DC RES. SEC #1/2/3 RATED 5V/6.3/7.5-5V AT 2.2/1.0/0.5 AMPS. CONSISTS OF 22/28/ 28 TURNS OF 0.047/0.0253/0.0179 E WIRE AT 0.551/0.2045/0.4545 OHMS DC RES. 5/10/45 M-7474322 JUN. 45		CG:M-7474322 REV. 2	CG-302443 MK 36 TRANSFORMER AND REACTOR REACTOR RATED 4.5 HENRIES AT 0.030 A. DC TRANSFORMER AUDIO PRI LOAD 1000 OHMS. SEC. LOAD 70 OHMS.		5/10/45 M-7474332 JUN. 45	M-7474332 REV. 1	CUT-302451 YR RE 13A 553B TRANSFORMER, OUTPUT PRI IMPEDANCE 2500 OHMS AT 125 MA. CON- SISTS OF 1650 TURNS CT OF #30E WIRE, DC RES. 100 OHMS. SEC IMPEDANCE 2000 OHMS AND CONSISTS OF 1480 TURNS CT OF #30E WIRE OF 87 OHMS DC RES. FREQ. RESPONSE 400 TO 3000 CYCLES ± 1db. PRI 2000V AC 5/11/45 88444 JUN. 45	CDE:82455A REV. 0

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CW-302469
0.25 OHMS DC RESISTANCE. SEC #3, 12.6V, 2.0 AMPS, 40 TURNS OF 19 GAE WIRE, 0.24 OHMS DC RESISTANCE. SEC #1/2 CENTER TAPPED. CASED & POTTED. SILICON STEEL CORE.

CW-302470 MK 12 MOD 0
TRANSFORMER, POWER:
PRI RATED: 38 WATTS, 115V/55-65 CPS, 0.35 AMPS, 840 TURNS OF #26GAE WIRE, 13.7 OHMS DC RESISTANCE. SEC RATED: 330V, 0.10 AMPS, 2675 TURNS OF #38GAE WIRE, 230 OHMS DC RESISTANCE. ELECTROSTATIC SHIELD. CASED & POTTED. SILICON
5/11/45 ESA-649235
JUN. 45 ISS 1

CW-302470
STEEL CORE.

CW-302471 MK 12 MOD 0
TRANSFORMER, INPUT:
PRI RATED 71 OHMS IMPEDANCE, 35 TURNS OF #19-39 GAE STRANDED DM WIRE, 0.60 OHMS DC RESISTANCE. SEC #1, 3000 OHMS IMPEDANCE 114 TURNS OF #32GAE WIRE 7.3 OHMS DC RESISTANCE, SEC #2, 3000 OHMS IMPEDANCE 114 TURNS OF #32GAE WIRE.
5/11/45 ESA-649064
JUN. 45 ISS 1

CW-302471
7.3 OHMS DC RESISTANCE. ELECTROSTATIC SHIELD. PERMALLOY CORE. HERMETICALLY SEALED IN A RECTANGULAR CAN.

CRA-302472 SX
TRANSFORMER. PULSE:

5/12/45 X-138T-1 CG:M-7475577
JUN. 45

CTR-302473 DAB,-1-2-3
TRANSFORMER, POWER:
PRI RATED 30 VA, 125V, TAPPED AT 105, 110, 115, 120V, 0.26 AMPS, 560 TURNS TAPPED AT 470, 493, 515, 538 TURNS, OF 25 WIRE, 10 OHMS DC RESISTANCE, SEC #1 CENTER TAPPED: EACH HALF RATED: 450V, 0.023 AMPS, 2160 TURNS OF #37 WIRE, TOTAL SEC #1:
5/12/45 CTR-7617-A COL-672172000
JUN. 45 COL-672172000 REV 0

CTR-302473
1040 OHMS DC RESISTANCE. SEC #2 CENTER TAPPED. EACH HALF RATED 2.5V, 3.0 AMPS, TOTAL SEC #2: 12 TURNS OF 15SCE WIRE, 0.58 OHMS DC RESISTANCE. ELECTROSTATIC SHIELD. CASED AND POTTED. IRON CORE.

CTR-302474 DAB,-1-2-3
TRANSFORMER, FILAMENT:
PRI RATED: 12.6 VA, 125V TAPPED AT 105, 110, 115, 120V 0.109 AMPS, 814 TURNS, TAPPED AT 734, 760, 804, 839, TURNS, 9F #29 WIRE, 28.03 OHMS DC RESISTANCE. SEC #1 CENTER TAPPED, EACH HALF RATED: 3.15V, 1.0 AMPS, 24 TURNS OF #28 WIRE, TOTAL
5/12/45 CTR-7618-A 67217500
JUN. 45 COL-672173000 REV. 0

CTR-302474
SEC #1: 0.38 OHMS DC RESISTANCE. SEC #2 CENTER TAPPED, EACH HALF RATED 315V, 1.0 AMPS, 24 TURNS OF #21 WIRE, TOTAL SEC #2 0.344 OHMS DC RESISTANCE. ELECTROSTATIC SHIELD. CASED & POTTED. IRON CORE.

CTH-302475 DAB,DAB-1.2.3
TRANSFORMER, AUDIO:
PRI RATED: 20,000 OHMS IMPEDANCE, 4000 TURNS OF 40E WIRE. SEC 1 & 2 ARE IDENTICAL: 20,000 OHMS IMPEDANCE, 4600 TURNS OF 40E WIRE. ELECTROSTATIC SHIELD. TURNS RATIO: 1:1:: PRI: SEC 1. 1:1:: PRI SEC 2. FREQUENCY 30 CPS TO 10,000 CPS.
5/12/45 CTH:T-46339 677141100/
JUN. 45 COL-677141100 04513

CTR-302476 DAB,DAB-1-2-3
TRANSFORMER, POWER:
PRI RATED: 69 VA, 125 VOLTS, TAPPED AT 105, 110, 115, 120V; 0.6 AMPS, 336 TURNS OF #22 WIRE, TAPPED AT 282, 296, 309 & 323 TURNS, 3.899 OHMS DC RESISTANCE. SEC #1 CENTER TAPPED: EACH HALF RATED 3.95V, 0.1 AMPS, 1095 TURNS OF #29 WIRE
5/12/45 CTR-7615-A 672170000
JUN. 45 COL-672170000 REV. 0

CTR-302476
ENTIRE SEC #1 RATED 105.4 OHMS DC RESISTANCE. SEC #2 CENTER TAPPED; EACH HALF RATED 2.5V, 3.0 AMPS. ENTIRE SEC #2 CONSISTS 7 TURNS OF #14 WIRE, 0.036 OHMS DC RESISTANCE. POWER: 49.5 WATTS, SEC RATED 92VA. CASED & POTTED. ELECTROSTATIC SHIELD. IRON CORE.

CAYE-302477 AN/ARR-16B
AUDIO CHOKE:
RATED 5 HENRIES MIN 6 HENRIES MAX AT 125 MA DC. WINDING CONSISTS OF 2300 TURNS #30 ENAM AWG WIRE, 90 OHMS DC RES.

5/12/45 R-48 CFF:8380A
JUN. 45

CAYE-302478 AN/ARR-16B
OUTPUT TRANSFORMER:
PRIMARY RATED: 9000 OHMS, 2400 TURNS #36 ENAM AWG WIRE, 290 OHMS DC RES. SECONDARY RATED: 600 OHMS CT, 600 TURNS CT #29 ENAM AWG WIRE. PRIMARY CURRENT IS 25 MA. POWER OUTPUT IS 2 WATTS MAX. FREQ. RESPONSE 100-10,000 CPS 22 db
5/12/45 R-142 CFF:8378A
JUN. 45

CAYE-302478
UNDER 300 OHM LOAD.

CTR-302479 DAB SERIES
TRANSFORMER, FILAMENT:
PRI 82 VA, 125V, 105, 110, 115, 120V; 0.71 AMPS, 378 TURNS OF #21 WIRE, TAPPED AT 318, 333, 348, 363 TURNS, 2.845 OHMS DC RESISTANCE. SEC #1 CENTER TAPPED, EACH HALF RATED 3.15V, 6.5 AMPS, 10 TURNS OF 2-15SCE. WHOLE SEC #1 0.108
5/12/45 CTR-7616-A 672171000
JUN. 45 COL-672-171000 REV 0

CTR-302379
OHMS DC RESISTANCE. SEC #2 CENTER TAPPED EACH HALF RATED: 5.15V; 6.5 AMPS, 10 TURNS OF 2-15SCE WIRE. WHOLE SEC #2V: 0.128 OHMS DC RESISTANCE. ELECTROSTATIC SHIELD. IRON CORE. CASED AND POTTED.

CAYG-302480 OAH-3
OUTPUT TRANSFORMER:
PRIMARY: 4500 TURNS NO. 40 PE WIRE WITH TAP AT 2860 TURNS. TERM 1-2, 880 OHMS; TERM 2-3 550 OHMS. INDUCTANCE AT 1000 CPS WITH NO DC. TERM 1-2, 1.1 HENRY; TERM 2-3, 0.425 HENRY. SECONDARY: 185 TURNS NO. 26PE WIRE. TERM 4-5 2.6 OHMS.
5/14/45 T-4006A CAOU-10382-62
JUN. 45 REV 0

CAYG-302480
INDUCTANCE AT 1000 CPS WITH NO DC, 6 MILLIHENRY.

CAYG-302481 OAH-3
AUDIO TRANSFORMER:
PRIMARY: 5000 TURNS NO. 40 PE WIRE. TERM 3-4 1440 OHMS. INDUCTIVE AT 1000 CPS WITH NO DC, 3.4 HENRY. SECONDARY: 2500 TURNS NO. 40 PE WIRE. TER 1-2 870 OHMS. INDUCTANCE AT 1000 CPS WITH NO DC 0.9 HENRY.
5/14/45 T-4007A CAOU-10382-61
JUN. 45 REV 0

CTR-302482 NXsr-81403
TRANSFORMER, POWER:
PRI: 120 VOLTS, 0.44 AMPS FULL LOAD; 465 TURNS #24 WIRE TAPPED AT 423 AND 444 TURNS; DC RES. 6.1 OHMS. SEC #1 a AND b: EACH SECTION 319 VOLTS NO LOAD OR 29 VOLTS FULL LOAD; EACH SECTION HAS CTR-9017 SPEC TYPE K203-130 CCI-641-023
5/14/45 OSEE ABOVE CTR:MD-2861
JUN. 45 REV 1

CTR-302482
1235 TURNS #33 WIRE; 0.075 AMPS DC FULL LOAD; 232 OHMS DC RES. SEC #2: 6.85 VOLTS NO LOAD, 6.3 VOLTS FULL LOAD, 1.0 AMP; 26 1/2 TURNS #21 WIRE, 0.23 OHMS DC RES SEC #3: 5.42 VOLTS NO LOAD, 5.0 VOLTS FULL LOAD, 2.0 AMPS; 20 TURNS #18 WIRE; 0.107 OHMS DC RES. HERMETICALLY SEALED. BREAKDOWN VOLTAGE 2500 VOLTS.

CTR-302483 NXsr-81403
FILTER CHOKE:
RATED 12 HENRIES. IMPEDANCE AT 10 VOLTS, 60 CPS, 75 MILLIAMPS DC IS 4530 OHMS. 3593 TURNS #30 WIRE WITH 173 OHMS DC RES. BREAKDOWN VOLTAGE 1600 VOLTS. HERMETICALLY SEALED.
CTR-3018 SPEC TYPE K9A-20 CCI-50C-024
5/14/45 OSEE ABOVE CTR:MD-2862
JUN. 45 REV. 0

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CUD-302499 QGA
TRANSFORMER, AF/RP
OPERATION FROM 200 TO 8000 OHMS WITH
PRIMARY WINDINGS IN SERIES. PRI 1 & 2
ARE IDENTICAL. EACH CONSISTS 72 TURNS OF
#33E WIRE, 3.7 OHMS DC RESISTANCE.
SEC. #1, 3225 TURNS OF 39E WIRE, 865
OHMS DC RESISTANCE. IRON CORE.
5/17/45 CRP:A-3805-A CBM:1000A-12
JUN. 45 CBM:955-105 ALT 0

CRV-302504 YG
TRANSFORMER, PLATE
PRI. RATED 125/115/105V, 50-60 CPS, 2
AMPS, 234 TURNS OF #16E WIRE, TAPPED AT
197 & 216 TURNS. SEC RATED 1600V, 0.25
AMPS DC., 3100.5 TURNS OF #26E WIRE,
TAPPED AT 1550.5 TURNS, 141 OHMS DC
*K-422801 REV 0
5/19/45 XT-4247 K-901562 G 501/
JUN. 45 REV 5 *

CG-302509
AT 2.85/2.85V AND 5/5 AMPS. 23000/23000
VOLTS TO GROUND. HERMETICALLY SEALED.
ELECTROSTATIC SHIELD.

CJE-302500 NXST-81496
TRANSFORMER, POWER
PRIMARY: 117/1/60, 433 TURNS #29 WIRE.
18 OHMS DC RES. SEC #1: 1800 VOLTS 0.004
AMPS TAPPED AT 2.5 VOLTS, 1.75 AMPS.
6820 TURNS #38 WIRE, 2960 OHMS DC RES.
PLUS 10 TURNS #19 WIRE, 0.071 OHMS DC
RES. SEC #2: 6.3 VOLTS, 0.6 AMPS, 25
5/17/45 463-001-275 CCG:25C107319
JUN. 45 ISSUE 0

CRV-302504
RESISTANCE. MAX CORE LOSS 10 WATTS. IRON
CORE MAX IMPREGNATED.

CAFG-302510 RDZ
FILTER CHOKE
SINGLE WINDING, 8 HENRIES 200 MA DC, 105
OHMS DC RES. 275V DCW. ENCLOSED IN METAL
CAN. CASE FILLED WITH COMPOUND. HER-
METICALLY SEALED.

5/19/45 202393-1 CNA:N-391
MAY 45

CJE-302500
TURNS #25 WIRE, 0.668 OHMS DC RES.
ELECTROSTATIC SHIELD BETWEEN BOTH
SECONDARIES.

CRV-302505 YG
TRANSFORMER, FILAMENT
PRI. RATED 115/110/105, 50-60 CPS, 0.236
AMPS, 410 TURNS OF #27E WIRE, 12.55 OHMS
DC RESISTANCE, TAPPED AT 375 AND 393
TURNS. SEC. RATED: 2.5/1.25V, 10 AMPS,
10 TURNS OF 0.095 X 0.125 DCC WIRE,
*M-422812/P1/REV 0
5/19/45 XT-4248 K-901564 G 501
JUN. 45 REV 4 *

CRV-302511 RBP
OSCILLATOR TRANSFORMER
PRI #1/#2 HAVE 1950/1950 TURNS OF #36E/
#36E WIRE, 276/347 OHMS DC RES; SEC #1/
#2/#3 HAVE 390/175/78 TURNS OF #33E
WIRE, 19.76/9.93/4.7 OHMS DC RES; INDUC-
TANCE MEASURED ON PRI #2 AT 1 VOLT 1000
CYCLES AC. SHALL BE 1.25 HENRIES. TURNS
5/19/45 K-900115-502 K-900115-502
JUN. 45 REV. 7

CNA-302501 RDZ
TRANSFORMER, OUTPUT
INDUCTANCE OF PRI: 4.5 HENRIES AT 1000
C.P.S., 5V AC. 1500 TURNS OF #34 E CU
WIRE. SEC. #1 & #2, 41 TURNS EACH OF #25
E CU WIRE. TURNS RATIO PRIMARY TO TOTAL
SEC. 1500/41+41. ELECTROSTATIC SHIELD,
IRON CORE. HERMETICALLY SEALED.
5/18/45 H-372-1 H-373 P1
MAY 45 REV 2

CRV-302505
CENTER TAPPED. MAX. CORE LOSS 4.5 WATTS.
MAX IMPREGNATED. IRON CORE.

CRV-302511
RATIO :RI #2:#1 IS 1:1, PRI #2: SEC #3
IS 25:1, PRI #2: SEC #2 IS 11.1:1, PRI
#2: SEC #1 IS 5:1. POLARITY OF COILS IS
ADDITIVE. HIPOT TEST 1000V 60 CYCLES,
CASED AND POTTED.

CNA-302502 RDZ
TRANSFORMER, POWER;
PRI RATED 120 VOLTS, TAPPED AT 110,
115V, 278 TURNS OF #18E WIRE, 1.4 OHMS
DC RESISTANCE, TAPPED AT 266 AND 254
TURNS. SECONDARIES: #1 (TERMINALS 5-7)
CENTER TAPPED. EACH HALF RATED 360V AC,
1660/830 TURNS OF #29E WIRE, 90 OHMS DC
5/18/45 H-394 H-394
MAY 45 REV 2

CRV-302506 RBP
REACTOR
IMPEDANCE 16000-20,000 OHMS AT 3V 60
CYCLES AND 4MA, 700 TURNS OF #36E WIRE,
2300 OHMS D.C. RES, INDUCTANCE 0.6 HENRY
HIPOT VOLTAGE 1000.

CSN-302512 TDU
TRANSFORMER, DRIVER
PRI RATED: 10,000 OHMS, 3000 TURNS OF
#36E WIRE, 500 OHMS DC RESISTANCE. TAP-
PED AT 1500 AND 2250 TURNS. SEC RATED,
10,000 OHMS, 3000 TURNS OF #37E WIRE,
500 OHMS DC RESISTANCE. CENTER TAPPED.
FREQUENCY RESPONSE 50 TO 10,000 CPS
5/21/45 CSN:A-4752 CRV:K-890221/P1
JUN. 45 REV. 1

RESISTANCE; #2 (TERMINALS CNA-302502
9-10), RATED 42.6 VOLTS AC, 31 TURNS OF
#16E WIRE, 0.133 OHMS DC RESISTANCE; #3
(TERMINALS 11-12) RATED 5.25V, 3 AMPS AC
13 TURNS #16E WIRE, 0.058 OHMS DC RESIS-
TANCE. #4 (TERMINALS 13,14,15) RATED 6.6
VOLTS AC, CENTER TAPPED, 16/8 TURNS #10E
WIRE, 0.016 OHMS DC RESISTANCE. TERMINAL
#8 ELECTROSTATIC SHIELD. IRON CORE.
HERMETICALLY SEALED.

CRV-302507 RBP
REACTOR
MIN. INDUCTANCE 1.6 HENRIES, MAX
INDUCTANCE 2.4 HENRIES AT 3 VOLTS 1000
CYCLES AC, 2000 TURNS OF #36E WIRE, 215
OHMS AT 25°C DC RES., IRON CORE, HIPOT
1000V, CASED.

CSN-302512
WITHIN 1.0 OΩ. IRON CORE. MAX IMPREGNAT-
ED.

CRV-302503 YG
TRANSFORMER, FILAMENT
PRI RATED: 115/110/105V, 50-60 CPS.,
0.51 AMPS, 410 TURNS OF #22E WIRE, 3.66
OHMS DC RESISTANCE, TAPPED AT 375 AND
392 TURNS. SEC #1 RATED 6.3V, 8.0 AMPS,
24 TURNS OF #12E WIRE, 0.04 OHMS DC
RESISTANCE, CENTER TAPPED AT 12 TURNS.
5/19/45 XT-4276 K-901574 G 501
JUN. 45 REV 3

5/21/45 RT-377 K-77787-501
JUN. 45 REV 2

5/21/45 XT-634-A K-900116-501
JUN. 45 REV 2

CFR-302508 RBP
FILTER CHOKE REACTOR
INDUCTANCE 40 HENRIES WITH 40 MILLIAMPS
DC, 60-120 CPS., 8600 TURNS OF #33E
WIRE, LAYER WOUND, HUM BUCKING, 675
OHMS O.C. RES., IRON CORE, ENCLOSED IN
CASE.

CSN-302513 TDU
TRANSFORMER, FILAMENT
PRI. RATED 115V, 60 CPS, 0.120 AMPS,
1140 TURNS OF #34 WIRE, 940 OHMS DC RE-
SISTANCE. PRI CORE LOSS = 2 WATTS. SEC
RATED: 6.3V, 60 CPS, 1.2 AMPS, 72 TURNS
OF #23 WIRE, 0.470 OHMS DC RESISTANCE.
CENTER TAPPED. TURNS RATIO PRI/SEC =
5/21/45 CSN:P-6134 CRV:K-890222/P1
JUN. 45 REV. 1

CRV-302503
CORE LOSS. 4 WATTS MAX. IRON CORE. MAX
IMPREGNATED.

CG-302509 SP.SP-1M
TRANSFORMER, FILAMENT
RATED 0.029 KVA, PRI RATED 115V, 60 CY-
CLES 1Φ, 2500V RMS TEST FOR 1 MIN, CON-
SISTS OF 502 TURNS OF 0.0179 EC WIRE
10.9 OHMS DC RES AT 0.358 AMPS, SEC 1/2
CONSISTS OF 12/12 TURNS OF 0.068/0.068
DEP WIRE OF 0.0375/0.0375 OHMS DC RES.
5/17/45 8317420 GL M-92A710
JUN. 45 REV. 1

CSN-302513
15.45/1 ± 3%. MAX IMPREGNATED,
INDUCTANCE OF PRI 15.7 HENRIES IRON CORE.

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CTR-302514 TCA
 TRANSFORMER, AUDIO
 POWER RATING 15 WATTS. PRI. RATED 8000 OHMS, AT 40 MILLIAMPS, 458 OHMS DC RESISTANCE. CENTER TAPPED: TERMINALS P11-P12, 2.98 HENRIES, 218 OHMS DC RESISTANCE. P12-P13, 2.98 HENRIES, 240 OHMS DC RESISTANCE. SEC RATED 8000 OHMS AT 70 5/21/45 CTR:7F-20 COL:667 4091 00 JUN. 45 COL:667 4091 00 REV. 0

CTR-302514
 MILLIAMPS, 361 OHMS DC RESISTANCE, 11.5 HENRIES INDUCTANCE. VACUUM WAX IMPREGNATED. IRON CORE.

CTR-302515 TCA
 TRANSFORMER, AUDIO
 AUDIO POWER 0.006 WATTS. PRI #1/PRI #2, 125/125 OHMS IMPEDANCE, 410/410 MILLIHENRIES, 690/690 TURNS OF #31/#31E WIRE, 21.7/22 OHMS DC RESISTANCE. SEC #1/#2, 125/125 OHMS IMPEDANCE, 410/410 MILLIHENRIES, 690/690 TURNS OF #31/#31 WIRE, 5/21/45 CTR:7C-L70 COL:667 2445 00 JUN. 45 COL:667 2445 00 REV. 0

CTR-302515
 21.8/22 OHMS DC RESISTANCE. FREQUENCY RESPONSE 30 TO 10,000 CPS. ELECTROSTATIC SHIELD. IRON CORE. WAX IMPREGNATED.

CTR-302516 TCA
 TRANSFORMER, AUDIO
 POWER RATING 0.006 WATTS. PRI. RATED 20,000 OHMS IMPEDANCE, 9000 TURNS OF #42 WIRE, 3510 OHMS DC RESISTANCE. SEC #1 RATED 20,000 OHMS IMPEDANCE 9010 TURNS #42 WIRE, 3980 OHMS DC RESISTANCE. SEC #2 RATED 20,000 OHMS IMPEDANCE 9010 5/21/45 CTR:758-70 COL:667 2286 00 JUN. 45 COL:667 2286 00 REV. 0

CTR-302516
 TURNS OF #42 WIRE, 3980 OHMS DC RESISTANCE. WHEN SEC #1 & 2 ARE CONNECTED IMPEDANCE IS 80,000 OHMS, FREQUENCY RESPONSE 30 TO 10,000 CPS. COMPOUND FILLED. IRON CORE.

CTR-302517 TCA
 TRANSFORMER, AUDIO
 AUDIO POWER 0.06 WATTS. PRI. #1 & #2 ARE IDENTICAL EACH RATED 488 TURNS OF #30 WIRE, 13.2 OHMS DC RESISTANCE, 62.5 OHMS IMPEDANCE, 221 MILLIHENRIES. SEC #1 & #2 ARE IDENTICAL EACH RATED 125 OHMS IMPEDANCE, 440 MILLIHENRIES, 690 TURNS OF 5/21/45 CTR:7C-L70 COL:667 3681 00 JUN. 45 COL:667 3681 00 REV. 0

CTR-302517
 #31 WIRE, 22.5 OHMS DC RESISTANCE. FREQUENCY RESPONSE 30 TO 10,000 CYCLES. ELECTROSTATIC SHIELD. WAX IMPREGNATED. COMPOUND FILLED. IRON CORE.

CTR-302518 TCA
 TRANSFORMER, FILAMENT
 PRI. RATED 30VA, 120/1/50-60 CPS, TAPPED AT 115, 110, 105, 100V, 0.2 AMPS, 549.5 TURNS TAPPED AT 526.5, 481.5, 457.5 TURNS OF #26 WIRE, 10.3 OHMS DC RES. SEC IS CENTER TAPPED. WHOLE SECONDARY RATED: 5/1/50-60 CPS, 60 AMPS, 24 TURNS OF #12 5/22/45 CTR:281-21 COL:662 5093 00 JUN. 45 COL:662 5093 00 REV. 0

CTR-302518
 WIRE, 0.025 OHMS DC RESISTANCE. WAX IMPREGNATED. IRON CORE.

CTR-302519 TCA
 TRANSFORMER, POWER
 PRI RATED: 0.150 KVA; 110/1/50-60 CPS, 1.36 AMPS, 277 TURNS OF #19 WIRE, 2.02 OHMS DC RESISTANCE. TOTAL SEC. RATED 144 VA. CENTER TAPPED, EACH HALF RATED: 500V/1/50-60 CPS, 0.144 AMPS, 1312 TURNS OF #28 WIRE. TOTAL SEC. 121 OHMS DC RESISTANCE. 5/22/45 CTR:2A4-51 COL:662 4581 00 JUN. 45 COL:662 4581 00 REV. 0

CTR-302519
 SISTANCE, IRON CORE. WAX IMPREGNATED.

CTR-302520 TCH.TCH-1
 TRANSFORMER, OUTPUT
 POWER RATING: 0.5 WATTS, PRI. RATED 10,000 OHMS IMPEDANCE, AT 10 VOLTS, 60 CPS, 15 MILLIAMPS, 5030 TURNS OF #39 WIRE, 1130 OHMS DC RESISTANCE. SEC #1 CENTER TAPPED, ONE HALF RATED 125 OHMS IMPEDANCE, 559 TURNS OF #34 WIRE. 38 5/22/45 CTR:7D-X0 COL:667 6431 00 JUN. 45 COL:667 6431 00 REV. 0

CTR-302520
 OHMS DC RESISTANCE; ONE HALF RATED 125 OHMS IMPEDANCE, 559 TURNS OF #34 WIRE, 42 OHMS DC RESISTANCE. SEC #2 RATED: 500 OHMS IMPEDANCE, 1118 TURNS OF #34 WIRE, 80 OHMS DC RESISTANCE. FREQUENCY RESPONSE 200 TO 1000 CPS. WAX IMPREGNATED. IRON CORE.

CTR-302521 TCH-1
 TRANSFORMER, AUDIO
 POWER RATING: 0.006 WATTS. PRI RATED: 75 OHMS IMPEDANCE AT 5.64 VOLTS, 4000 CPS & 100 MILLIAMPS, 236 TURNS OF #31 WIRE, 9.5 OHMS DC RESISTANCE. SEC. RATED 125,000 OHMS IMPEDANCE, 9469 TURNS OF #40 WIRE, 2620 OHMS DC RESISTANCE. SEC. 5/22/45 CTR:7H-X0 COL:667 2853 00 JUN. 45 COL:667 2853 00 REV. 0

CTR-302521
 IS CENTER TAPPED. FREQUENCY RESPONSE: 300 TO 3000 CPS. VACUUM WAX IMPREGNATED. COMPOUND FILLED CASE. IRON CORE.

CRV-302522 8D1
 TRANSFORMER, POWER
 PRI RATED: 117/50-60 CPS, 0.35 AMPS, 500 TURNS OF #25E WIRE, 8.04 OHMS DC RESISTANCE. PLATE RATED: 125V, 0.1 AMPS, 555 TURNS OF #27E WIRE, 17.6 OHMS DC RESISTANCE. FILAMENT RATED 6.3V, 2.0 AMPS, 29 TURNS OF #18E WIRE. HERMETICALLY SEALED. 5/22/45 CRV:XT-494 K-901734 G501 JUN. 45 REV. 1

CRV-302522
 IRON CORE.

CAT-302523 RBP
 FILTER CHOKE REACTOR
 INDUCTANCE 10 HENRIES, 0.16 AMPS DC, 3800 TURNS OF #28E WIRE, 160 OHMS DC RES. TEST VOLTAGE 2500 R.M.S., ENCLOSED IN HEAVY CAST ALUMINUM CASE.

5/23/45 L #219AND S-26926 JUN. 45 S-26926 REV. 2

CRV-302524 QCU
 REACTOR
 RATED 8.5 HENRIES AT 1000V AC, 120 CPS WITH 0.022 AMP. DC, 2080 TURNS #0.0113E WIRE, 102 OHMS DC RES. POITED IN METAL CASE.

5/25/45 K-901842-501 K-901842-501 JUN. 45 SUB. 1

CFR-302525 RBP
 A.F. TRANSFORMER
 CONSISTS OF 2 IDENTICAL PRI. WINDINGS, EACH 3440 TURNS OF #37E WIRE, 710 OHMS DC RES; PRIMARY IMPEDANCE MEASURED ACROSS TERMINALS 1 AND 4, 20,000 OHMS WITH SERIES CONNECTION (TERMINALS 2 AND 3 CONNECTED); 2 IDENTICAL SECONDARY 5/21/45 A-433 CRV:SP-713847-5 JUN. 45 REV. 2

CFR-302525
 WINDINGS, EACH 545 TURNS OF #29E WIRE TAPPED AT 345 TURNS, 15 OHMS DC RES. SECONDARY IMPEDANCE MEASURED ACROSS TERMINALS 5 AND 10, 500 OHMS WITH SERIES CONNECTION (TERMINALS 7 & 8 CONNECTED). FREQUENCY RESPONSE 30 CYCLES TO 12,000 CYCLES. TURNS RATIO OF PRI: SEC IS 6.31:1. ELECTROSTATIC SHIELD GROUNDED TO TERMINAL 5. IRON CORE.

CFR-302526 RBP
 AUDIO INPUT TRANSFORMER
 PRI. IMPEDANCE 2000 OHMS, 3080 TURNS OF #37E WIRE, 625 OHMS DC RES. SECONDARY RATED IMPEDANCE 100,000 OHMS, 21,800 TURNS OF #45E WIRE, 1000 OHMS DC RES. TURNS RATIO OF PRI:SEC IS 1:7.08. FREQ. RESP. ± 1 DB 30 CYCLES TO 8000 CYCLES. 5/21/46 2253 CRV:P-713847-2 JUN. 45 REV. 2

CFR-302526
 IRON CORE, CASED.

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CFR-302527 RBP AUDIO INPUT TRANSFORMER PRI. RATED IMPEDANCE 3000 OHMS, 2660 TURNS OF #34E WIRE, 195 OHMS DC RES; SECONDARY RATED IMPEDANCE 600 OHMS, 1190 TURNS CT OF #29E WIRE, 36 OHMS DC RES. TURNS RATIO OF PRI:SEC IS 2.23:1. FRE- QUENCY RESPONSE ± 1 DB 30 CYCLES TO 8000 5/21/45 2404 CRV:P-713847-4 JUN. 45 REV. 2			CMX-302532 RCT.RCU.RCU-1 PWRUP TRANSFORMER PRIMARY IMPEDANCE 49019 OHMS AT 1 VOLT, 60 CYCLES, 4800 TURNS OF #41E WIRE, 2400 OHMS ± 15% DC RES, SEC #1/#2 RATED 67000/67000 OHMS IMPEDANCE 5600/5600 TURNS OF #41E WIRE, 2480 ± 15%/3190 ± 15% OHMS DC RES, TURNS RATIO OF 5/22/45 B320013 B320013 JUN. 45 REV. A			CTG-302538 PRI.:SEC.: 106.9:1. PRI. IS CENTER TAP- PED. TURNS RATIO: 10.34:1:1. PRI.:SEC. HERMETICALLY SEALED IN A RECTANGULAR CAN. IRON CORE.		
CFR-302527 CYCLES, IRON CORE, ELECTROSTATIC SHIELD GROUNDED TO TERMINAL S, CASED.			CMX-302532 PRI #1:SEC #1 IS 6:7. TEST VOLTAGE 1500 VOLTS, IRON CORE, CAN IS WAX FILLED.			CTG-302539 TCS(CMX-50128A) TRANSFORMER, INPUT PRI. RATED 600 OHMS IMPEDANCE, 302 TURNS OF #35E WIRE, 26 OHMS ± 5% DC RESIS- TANCE, SEC. RATED 85000 OHMS IMPEDANCE AT 3 VOLTS, 60 CPS, 420,000 OHMS IMPE- DANCE MAXIMUM, 8000 TURNS OF #40E WIRE, 2770 OHMS ± 5% DC RESISTANCE, SEC. IS 5/24/45 CTG:20187 CMX:8320010 JUN. 45 CMX:8320010 REV. A		
CRV-302528 RBP-1.RCP ONLY MONITOR OUTPUT TRANSFORMER PRIMARY IMPEDANCE 8000 OHMS AT 3V 60 CY- LES AND 7 MA DC, 2860 TURNS OF #37E COPPER WIRE, 537 OHMS DC RES, SECONDARY IMPEDANCE 500 OHMS, 700 TURNS CT OF #31E COPPER WIRE, 43 OHMS DC RES, TURNS RATIO OF PRI:SEC IS 4.05:1. HIPOT: PRI IS 5/21/45 XT-2891 K-900506-501 JUN. 45 REV. 2			CUT-302533 TS-251/UP TRANSFORMER, OSCILLATOR RATIO OF WINDINGS 1-2 AND 3-4 IS 1:2. SECONDARY INDUCTANCE 0.2 HENRIES AT 0.2V 60 CYCLES. 5/23/45 82019 CIA:R-6.2-15 JUN. 45 ISS. E			CTG-302539 CENTER TAPPED, TURNS RATIO: 26.5:1:1: PRI:SEC. HERMETICALLY SEALED IN A REC- TANGULAR CAN, IRON CORE.		
CRV-302528 1000V, SEC. IS 500 VOLTS, LEAKAGE MEA- SURED ON PRI WITH SEC. SHORTED SHALL BE 0.27 HEN. MAX., COIL AND CORE IMPREGNAT- ED IN WAX, POTTED AND CASED, IRON CORE.			CTR-302534 TS-251/UP TRANSFORMER, PLATE AND FILAMENT: PRI INPUT 80/115/230V, 50/ 1600 CYCLES, CONSISTS OF 680 TURNS #28 EN CU WIRE, SEC #1 IS 211-0-211V, 0.015 AMPS, SEC #2 RATED 6.3V, 3 AMPS, CON- SISTS OF 43 TURNS #16 EN CU WIRE. 5/23/45 8845 JUN. 45			CAZE-302540 TCS(CMX-23135) TRANSFORMER, INPUT PRI. RATED: 35 OHMS IMPEDANCE, 88 TURNS OF 0.0113E WIRE, 2.38 OHMS DC RESIS- TANCE, SECONDARY RATED 600 OHMS IMPE- DANCE AT 3 VOLTS, 60 CPS, 0.0085 AMPS DC, 528 TURNS OF 0.0113E WIRE, 16.7 OHMS DC RESISTANCE, SECONDARY IS CENTER TAP- 5/24/45 CMX:C320015 CMX:C320015 JUN. 45 REV. B		
CRV-302529 OT OUTPUT FILTER REACTOR INDUCTANCE 15 HENRIES MINIMUM AT 3 VOLTS 60 CYCLES AC AND 200 MA DC, 4350 TURNS OF #29E WIRE, 240 OHMS DC RES, HIPOT 3000V AC, IRON CORE, HERMETICALLY SEALED IN CAN. 5/21/45 K-901442-501 K-901442-501 JUN. 45 REV. 3			CRV-302535 RBP CHOKER REACTOR IMPEDANCE AVERAGE 11,400 OHMS, AND 9,500 OHMS MIN. AT 3V, 60 CYCLES, 0.040 OHMS DC, 4600 TURNS OF #35E WIRE 0.005 DIA, 675 OHMS DC RES, IRON CORE, HIPOT 1000 VOLTS, CASED AND POTTED. 5/23/45 XT-2890 K-900505-501 JUN. 45 REV. 2			CAZE302540 PED, TURNS RATIO 1:6:: PRI:SEC, CASED AND POTTED IN A RECTANGULAR CAN. IRON CORE.		
CRV-302530 MK 26,MOD 3,4 FILTER CHOKE MIN. IMPEDANCE 3500 OHMS AT 10V, 60 CY- CLES, 0.195 AMPS DC, 3520 TURNS OF #29E WIRE, 165 OHMS DC RES, HIPOT 1500V, IRON CORE, CASED. 5/21/45 XT-4263 K-901566-501 JUN. 45 REV. 4			CMX-302536 RCT.RCU.RCU-1 10KC FILTER COIL INDUCTANCE 0.24 HENRY ± 5% AT 1000 CY- CLES, 2800 TURNS OF #31E WIRE, 180 OHMS ± 10% DC RES, COMPOUND FILLED CAN, COIL FLASH DIPPED IN SUPERLA WAX. 5/23/45 XB360193 XB360193 JUN. 45 REV. 0			CTH-302541 BDI (CQA) TRANSFORMER, POWER PRI. RATED 115/60 CPS, 0.225 AMPS, 610 TURNS OF #29E WIRE, 19.7 OHMS DC RESIS- TANCE, SEC #1/SEC #2/SEC #3, 2300/2.5/ 2.5V, 0.005/2.0/2.0 AMPS, 11600/12/12 TURNS OF #41E/#19E/#19E WIRE, 8700/0.08/ 0.08 OHMS DC RESISTANCE, COIL & CORE (M- 5/24/45 I-17 R 32 CCA:9179 JUN. 45 REV. 0		
CRV-302531 MK 26 MOD 3,4 POWER TRANSFORMER INDUCED VOLTAGE 460V 500 CYCLES, PRI. RATED 1.8 AMPS, 202 TURNS OF #18E WIRE, 1.0 OHM DC RES; SEC #1/#2/#3/#4 RATED 6.5/6.6/6.6/4.95 FULL LOAD VOLTS 0.195/ 1.5/3.0/3.0 AMPS, 1184 TAPPED AT 612/12/ 12/9 TURNS OF #29E/#19E/#12E/#16E, WIRE 5/22/45 XT-4253 K-901567-501 JUN. 45 REV. 6			CAT-302537 RBP FILTER CHOKE REACTOR INDUCTANCE 10 HENRIES, 0.5 AMPS, 2480 TURNS OF #20E WIRE, 30 OHMS DC RES, TEST VOLTAGE 2500 RMS, ENCLOSED IN HEAVY CAST ALUMINUM CASE. 5/23/45 L #214 AND CA:S-25568 JUN. 45 S-25568 REV. 6			CTH-302541 PREGNATED & SEALED IN A RECTANGULAR CAN. STEEL CORE.		
#3/ 0.170,0270,04 OHMS DC RES, IRON CORE, ELECTROSTATIC SHIELD GROUNDED TO TERM. #3, CORE AND COILS IMPREGNATED WITH AS- PHALT COMPOUND, CASED AND POTTED, MAX EXCITING CURRENT 0.5 AMPS AT 115V 60 CY- CLES, MAX CORE LOSS 12 WATTS, ALL WIND- INGS TO HAVE ADDITIVE POLARITY WITH RES- PECT TO PRIMARY, HIPOT VOLTAGE FOR PRI & SEC #2,3,4 IS 1500, FOR SEC #1, 2500V.			CTG-302538 TCS(CMX-50128A) TRANSFORMER, OUTPUT PRI. RATED: 19,500 OHMS IMPEDANCE AT 3V, 60 CPS, 0 AMPS DC, 3000 TURNS OF #37E WIRE, 422 ± 15% OHMS DC RESISTANCE, SEC RATED: 125 OHMS IMPEDANCE, 290 TURNS OF #28E WIRE, 6.6 OHMS ± 15% DC RESISTANCE. PRI. IS CENTER TAPPED, IMPEDANCE RATIO: 5/24/45 CTG:3A514 CMX:8330012 JUN. 45 CMX:8330012 REV. A			CRP-302542 QFB TRANSFORMER, PLATE AND FILAMENT: PRI RATED: 292 WATTS, 125/1/ 60, 186 TURNS OF #17E WIRE, 1 OHM DC RE- SISTANCE, SEC #1/#2/#3, 1110V/6.3V/2.5V, 0.22/0.3/7.5 AMPS, 1771/10/4 TURNS OF #26E/#25E/#11E WIRE, 75/0.5/LESS THAN 0.1 OHMS DC RESISTANCE, ALL SECONDARIES 5/24/45 CRP:U-7148 CRP:DU74-730 JUN. 45 CBM:910-3 REV. 2		

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Class 30—Transformers and Reactors

3.30-149

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CRP-302442
ARE CENTER TAPPED. IRON CORE-

CG-302547 SK-1M
REACTOR
RATED: 3500V. 0.0 AMPS. 750 TURNS OF
0.0285" E WIRE, 9.83 OHMS DC RESISTANCE.
1.30 HENRIES. IRON CORE. VACUUM IMPREG-
NATED.

CRV-302552
TURNS OF #12E WIRE. 0.35 OHMS DC RESIS-
TANCE. HERMETICALLY SEALED.

5/24/45 CAT#7470653 M-7470653
JUN. 45 REV. 4

CRP-302543 QFB
TRANSFORMER, FILAMENT
PRI. RATED 28 WATTS, 115/1/60 CPS, 583
TURNS OF #27E WIRE, 150 OHMS DC RESIS-
TANCE. SEC #1: 2.5 VOLTS, 10 AMPS 14
TURNS OF 2X14E WIRE, LESS THAN 0.1 OHMS
DC RESISTANCE. SECONDARY CENTER TAPPED.
IRON CORE.
5/24/45 CRP:U-7150 CRP:OL74-733
JUN. 45 CB#:910-2 REV. 1

CG-302548 SK-1M
REACTOR, SPECIAL
10.2 MIN. 14.4 MAX HENRIES. PRI. RATED:
0.0 AMPS, 1820 TURNS OF 0.0179" E WIRE,
59.2 OHMS DC RESISTANCE. AUXILIARY WIND-
ING RATED: 1.0 AMP, 152 TURNS OF 0.0285"
E WIRE, 2.41 OHMS DC RESISTANCE. TURNS
RATIO 1:122: AUXILIARY:PRIMARY. VACUUM
5/24/45 CAT#7470654 M-7470654-PI
JUN. 45 REV. 7

-302553 BM & B0
H.V. TRANSFORMER
PRI. RATED 70 WATTS, 115/1/60, 1.21 AMPS
216 TURNS OF #20EC WIRE, 1.7 OHMS DC
RES. SEC. RATED 2850/1/60, 0.015 AMPS,
5600 TURNS OF #34EC WIRE, 1310 OHMS DC
RES. CASE FILLED WITH WAX. WITHSTANDS
GCHZ:TR1042, CJE:465-001-137
5/31/45 CAT:32483 CHZ:TR-1042-K
JUN. 45 CAZK:A-460 0

CG-302544 TCK-4.6
TRANSFORMER, FILAMENT
PRI. 0.100 KVA. TWO IDENTICAL WINDINGS,
EACH RATED 100V, TAPPED AT 70V, 50-60
CPS, 344 TURNS OF #0.0253E WIRE, 4.77
OHMS DC RESISTANCE. PRI. MADE OF TWO
WINDING, EACH 172 TURNS TAPPED AT 120
TURNS. SEC #1 RATED 10 VOLTS, 10 AMPS.
5/24/45 CAT#7469158 M-7469158
JUN. 45 REV. 7

CG-302548
IMPREGNATED. IRON CORE.

-302553
IMMERSION TEST, IRON CORE.

CG-302544
18 TURNS OF #0.115 X 0.070 RECTANGULAR
WIRE DC, 0.0234 OHMS DC RESISTANCE.
IRON CORE.

CNA-302549 ROG
POWER TRANSFORMER
RATED 75VA. PRI/SEC#1/SEC #2/SEC #3:
115V, 50/60 CPS, 0.65 AMP/560V, 0.035
AMPS, CT/5V, 3 AMPS/6.3V, 3.4 AMPS.
WINDING DATA: PRI/SEC #1/SEC #2/SEC #3:
600 TURNS #27E WIRE, 8.0 OHMS DC RES/
3400 TURNS #35E WIRE, CT, 840 OHMS DC
5/25/45 SA:1885 J162
JUN. 45 REV. 0

-302554 BM & B0
POWER SUPPLY TRANSFORMER
PRI. RATED 90 WATTS, 115/1/60, 0.83
AMPS, 350 TURNS OF #22EC WIRE, 3.06 OHMS
DC RES, SEC #1/2/3/4 RATED 790/5.4/
6.8/6.8 VOLTS, AT 60 MA/34/0.6A/4.4
AMPS, 2420 CT/16 1/2 21/21 TURNS OF #32
GCHZ:TR 1032, CJE:465-001-188
5/31/45 CAT:32479 J162 CHZ:TR-T032-G
JUN. 45 CAZK:A-4560

CG-302545 TCK-446
TRANSFORMER
PRI. 0.5 KVA, 110/220V, 50-60 CPS, 244
TURNS OF #0.0359E WIRE, 1.28 OHMS DC
RESISTANCE. SEC: 0.5 KVA, 110/220V, 232
TURNS OF #0.0508E WIRE, 1.07 OHMS DC RE-
SISTANCE. PRI & SEC. EACH CONSIST OF TWO
WINDING, INFORMATION ABOVE IS FOR TOTAL
5/24/45 CAT#7469156 M-7469156
JUN. 45 REV. 5

CNA-302549
RES/3400 TURNS #35E WIRE; CT, 840 OHMS
DC RES/28 TURNS #17E WIRE, 0.12 OHMS DC
RES/36 TURNS #16E WIRE, 0.13 OHMS DC
RES. ELECTROSTATIC SHIELD BETWEEN PRI.
& SEC. TERMINATED WITH CT OF SEC #1. IN
METAL CASE. SIMILAR TO NAVY TYPE -30490.

-302554
EC/#17EC/#24EC/#15EC WIRE, 297.5/0.066/
0.424/0.055 OHMS DC RES., IRON CORE,
CAN FILLED WITH WAX.

CG-302545
PRI & SEC. IRON CORE.

CKT-302550 YG
PLATE CHOKE
20 HENRIES INDUCTANCE. INSULATION TEST
1000 VOLTS, 50 MILLIAMPS, 2740 TURNS OF
#33 PE WIRE, 200 OHMS DC RESISTANCE.

-302555 BM & B0
HEATER TRANSFORMER
PRI. RATED 60 WATTS, 115/1/60, 0.53
AMPS, 485 1/2 TURNS OF #24EC WIRE, 614
OHMS MAX DC RES; SEC. 6.4 VOLTS, 8.25
AMPS, 29 1/2 TURNS OF 2X#16EC WIRE,
0.043 OHMS MAX DC RES. IRON CORE, CASE
GCHZ:TR-1045, CJE:464-001-107
5/31/45 CAT:32486 CHZ:TR-1045-G
JUN. 45 CAZK:A-463 0

CG-302546 TCK-4 & 6
TRANSFORMER, FILAMENT
RATED 0.0334 KVA. PRI CONSISTS OF
TWO IDENTICAL WINDINGS EACH RATED 100V &
TAPPED AT 70V, TOTAL PRI. RATED 2X239
TURNS OF #0.0142E WIRE, 16.60 OHMS DC RE-
SISTANCE. SEC #1/#2/#3/#4, RATED: 12.6/
6.3/6.3/6.3V, 0.7/0.9/1.50/1.50 AMPS.
5/24/45 CAT#7469137 M-7469137
JUN. 45 REV. 6

CRV-302551 YG
FILTER CHOKE
FILTER INSULATED FOR 2KV. POWER FREQ.
FILTER. 60-120-180-240 CPS, 2530 TURNS
OF 25E CU WIRE, 125 OHMS MAX DC RESIS-
TANCE. 15 HENRIES INDUCTANCE AT 250 MIL-
LIAMPS.

-302555
HERMETICALLY SEALED.

5/26/45 T-157 CRV:K-875224/PI
JUN. 45 REV. 10

CG-302546
32/16/16/16 TURNS OF #0.0253E/0.0285E/
0.0359E/0.0359E WIRE, 0.404/0.177/0.114/
0.124 OHMS DC RESISTANCE. ALL SECONDARY
RESISTANCE CENTER TAPPED. IRON CORE.

CRV-302552 BDI
FILTER CHOKE
CONSISTS OF TWO IRON CORE COILS. COIL
#1 RATED 8.20 OHMS IMPEDANCE AT 30V, 60
CPS, 8.0 AMPS, 8 AMPS DC, 85 TURNS OF
0.095 X 0.095" OC WIRE, 0.25 OHMS DC RE-
SISTANCE. COIL #2 RATED 8.20 OHMS IMPE-
DANCE AT 30V, 60 CPS, 8.0 AMPS, 260
5/26/45 XT-4576-4577 K-901758/G-501
JUN. 45 REV. 1

-302556 BM & B0
PLATE SUPPLY TRANSFORMER
PRI. RATED 118 WATTS, 115/1/60, 1.16
AMPS, 300 TURNS OF #20EC WIRE, 1.80 OHMS
DC RES. SEC #1/#2 RATED 772/5 VOLTS,
0.175/3.0 AMPS, 1970 CT/14 TURNS OF #29
EC/#13EC WIRE, 115/0.077 OHMS DC RES.,
GCHZ:TR-1044, CJE:465-001-189
5/31/45 CAT:32485 CHZ:TR-1044-E
JUN. 45 CAZK:A-462 0

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RESTRICTED

NAVSHIPS 900,109

3.30-150

Class 30—Transformers and Reactors

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
		-302556	CJE-302562	MARK 13 MOD 0		CKT-302567	TDN-2	
		IRON CORE, HERMETICALLY SEALED.	TRANSFORMER, POWER			REACTOR		
			PRI. RATED 115V, 60 CPS, 5.0 AMPS. SEC. RATED 3100V, 0.2 AMPS (WHEN CONNECTED TO INDUCTIVELY TERMINATED FULL WAVE RECTIFIER). WINDING DATA, PRI/SEC: 96 TURNS 0.075" X 0.010" RECTANGULAR DC WIRE, 0.15 OHM DC RES/2620 TURNS #25GA E WIRE, 5/26/45 465-001-207 CW:30-102714 MAY 45 CW:KS-9738 ISS. 1			5/28/45 T-157	CT:T-157.4-26-45	MAY 45
		CW-302557	FRF	CJE-302562		CKT-302568	TDN-2	
		TRANSFORMER, OUTPUT	CT. SHELL TYPE, POTTED IN METAL CASE. ELECTROSTATIC SHIELD BETWEEN PRI. & SEC.			REACTOR		
						RATED 12 HENRIES AT 0.5 AMP. DC: 2320 TURNS #25 P.E. COPPER WIRE, 77 OHMS DC RES.		
		5/24/45 KS-9837	BA-109355			5/28/45 T-159	T-159.	MAY 45
		MAY 45	ISS. 1				4-26-45	
		CW-302558	FRF	CW-302563	QBF, QJA	CKT-302569	TDN-2	
		TRANSFORMER, PLATE	REPEATING COIL			TRANSFORMER, POWER		
			IMPEDANCE RATIO, (1-2) TO (3-5) IS 150 TO 300 OHMS. FREQ. RANGE IS 10-30 KC. TOROIDAL TYPE COIL. WINDING DATA: (1-2): 106 TURNS, 30GA EN WIRE, 2.35 OHMS DC RES; (3-4) EACH 75 TURNS, 30GA EN WIRE, 2.3 OHMS TOTAL DC RES., WOUND AS TWISTED 5/26/45 0-168166 BA-107849-1 MAY 45 ISS. 1			PRI. RATED 115V, 50/50 CPS: 765 TURNS #20 P.E. WIRE, 28 OHMS DC RES. SEC. #1/#2/#3 RATED 470V, CT, 20 MA/6.3V, C.T., 0.6 AMP/6.3V, C.T., 0.9 AMP. WINDING DATA, SEC. #1/#2/#3: 3500 TURNS #39 P.E. C.T., 1080 OHMS DC RES/46 TURNS #22 P.E. 5/28/45 T-249 T-249 MAY 45 4-27-45		
		5/24/45 KS-13004	BA-109395					
		MAY 45	ISS. 1					
		CW-302559	FRF	CW-302563		CKT-302569		
		TRANSFORMER, FILAMENT	PAIR. ELECTROSTATIC SHIELD BETWEEN (1-2) AND (3-4), (4-5). POTTED IN METAL CASE.			C.T., 0.2 OHM DC RES/46 TURNS #24 P.E., C.T., 0.6 OHM DC RES.		
		5/24/45 KS-13005	BL-109395					
		MAY 45	ISS. 1					
		CCV-302560	MARK 13 MOD 0	CW-302564	QBF, QJA	CKT-302570	TDN-2	
		TRANSFORMER, POWER	REPEATING COIL			TRANSFORMER, INTERSTAGE		
			IMPEDANCE RATIO, (1-2) TO (3-5) IS 150 TO 600 OHMS. FREQ. RANGE IS 10-30 KC. TOROIDAL TYPE COIL, POTTED IN METAL CASE. WINDING DATA: (1-2): 106 TURNS #30 GA EN WIRE, 2.35 OHMS DC RES., (3-4), (5-6) EACH 106 TURNS 30GA EN WIRE, 3.12 5/26/45 0-168167 BA-107849-2 MAY 45 ISS. 1			SOURCE IMPEDANCE 10,000 OHMS C.T.: LOAD IMPEDANCE 2000 OHMS C.T. PRI. 4160 TURNS #37 P.E. COPPER WIRE, 820 OHMS DC RES. SEC. 2880 TURNS #37 P.E. COPPER WIRE, 570 OHMS DC RES.		
						5/28/45 T-225	T-225	MAY 45
							4-27-45	
		5/24/45 KS-13005	BL-109395					
		MAY 45	ISS. 1					
		CCV-302560	MARK 13 MOD 0	CW-302564		CKT-302571	TDN-2	
		TRANSFORMER, POWER	REPEATING COIL			TRANSFORMER, POWER		
			IMPEDANCE RATIO, (1-2) TO (3-5) IS 150 TO 600 OHMS. FREQ. RANGE IS 10-30 KC. TOROIDAL TYPE COIL, POTTED IN METAL CASE. WINDING DATA: (1-2): 106 TURNS #30 GA EN WIRE, 2.35 OHMS DC RES., (3-4), (5-6) EACH 106 TURNS 30GA EN WIRE, 3.12 5/26/45 0-168167 BA-107849-2 MAY 45 ISS. 1			PRI. RATED 220V, 50/60 CPS: 805 TURNS #26 P.E. WIRE, 18.7 OHMS DC RES, TAPPED TO GIVE 5.5, 1 AND 5.25 VOLTS AT SECONDARY. SEC. RATED 5 VOLTS, 16 AMPS: 20 TURNS #10 SQ. D.C.C. WIRE, C.T., 0.012 OHM DC RES.		
						5/28/45 T-382	T-382	MAY 45
							4-26-45	
		5/24/45 KS-13005	BL-109395					
		MAY 45	ISS. 1					
		CCV-302560	MARK 13 MOD 0	CW-302564		CKT-302572	TDN-2	
		TRANSFORMER, POWER	REPEATING COIL			TRANSFORMER, POWER		
			IMPEDANCE RATIO, (1-2) TO (3-5) IS 150 TO 600 OHMS. FREQ. RANGE IS 10-30 KC. TOROIDAL TYPE COIL, POTTED IN METAL CASE. WINDING DATA: (1-2): 106 TURNS #30 GA EN WIRE, 2.35 OHMS DC RES., (3-4), (5-6) EACH 106 TURNS 30GA EN WIRE, 3.12 5/26/45 0-168167 BA-107849-2 MAY 45 ISS. 1			PRI. RATED 220V, 50/60 CPS: 880 TURNS #28 P.E. WIRE, 38 OHMS DC RES., TAPPED TO GIVE 10, 10.5 AND 11 VOLTS AT SECONDARY. SEC. RATED 10 VOLTS, 5 AMPS: 44 TURNS #14 P.E. WIRE, C.T., 0.076 OHM DC RES.		
						5/28/45 T-384	T-384,	MAY 45
							4-26-45	
		5/24/45 KS-13005	BL-109395					
		MAY 45	ISS. 1					
		CJE-302561	MARK 13 MOD 0	CKT-302565	TDN-2	CKT-302573	RBP	
		TRANSFORMER, POWER	TRANSFORMER, INPUT			POWER TRANSFORMER:		
			SOURCE IMPEDANCE 500 OHMS; LOAD IMPEDANCE 80,000 OHMS C.T. PRI: 750 TURNS #35 P.E. COPPER WIRE, 97 OHMS DC RES. SEC: 9600 TURNS #42 P.E. COPPER WIRE, 8000 OHMS DC RES. PRI. TAPPED FOR IMPEDANCES OF 500/333/250/200/125/50 OHMS. 5/28/45 T-3 T-3 MAY 45 4-27-45			RATED 343/383 VA, 110/120/220/240V, 50-140 CYCLES; 2 SECTION PRIMARY FOR SERIES OR PARALLEL CONNECTION PRI #1/#2 EACH RATED 1.72 AMPS, 0.5 OHMS DC RES, 224 TURNS TAPPED AT 209 TURNS/228 TURNS TAPPED AT 19 TURNS, OF #17E WIRE, SEC 5/28/45 S-34288 CRV:K-843859-1 MAY 45 SPEC. 23239 REV 1		
		5/28/45 T-156	T-156					
		MAY 45	4-26-45					
		CJE-302561	MARK 13 MOD 0	CKT-302566	TDN-2			
		TRANSFORMER, POWER	TRANSFORMER, INPUT					
			SOURCE IMPEDANCE 500 OHMS; LOAD IMPEDANCE 80,000 OHMS C.T. PRI: 750 TURNS #35 P.E. COPPER WIRE, 97 OHMS DC RES. SEC: 9600 TURNS #42 P.E. COPPER WIRE, 8000 OHMS DC RES. PRI. TAPPED FOR IMPEDANCES OF 500/333/250/200/125/50 OHMS. 5/28/45 T-3 T-3 MAY 45 4-27-45					
		5/28/45 T-156	T-156					
		MAY 45	4-26-45					
		CJE-302561	MARK 13 MOD 0	CKT-302566	TDN-2			
		TRANSFORMER, POWER	TRANSFORMER, INPUT					
			SOURCE IMPEDANCE 500 OHMS; LOAD IMPEDANCE 80,000 OHMS C.T. PRI: 750 TURNS #35 P.E. COPPER WIRE, 97 OHMS DC RES. SEC: 9600 TURNS #42 P.E. COPPER WIRE, 8000 OHMS DC RES. PRI. TAPPED FOR IMPEDANCES OF 500/333/250/200/125/50 OHMS. 5/28/45 T-3 T-3 MAY 45 4-27-45					
		5/28/45 T-156	T-156					
		MAY 45	4-26-45					
		CJE-302561	MARK 13 MOD 0	CKT-302566	TDN-2			
		TRANSFORMER, POWER	TRANSFORMER, INPUT					
			SOURCE IMPEDANCE 500 OHMS; LOAD IMPEDANCE 80,000 OHMS C.T. PRI: 750 TURNS #35 P.E. COPPER WIRE, 97 OHMS DC RES. SEC: 9600 TURNS #42 P.E. COPPER WIRE, 8000 OHMS DC RES. PRI. TAPPED FOR IMPEDANCES OF 500/333/250/200/125/50 OHMS. 5/28/45 T-3 T-3 MAY 45 4-27-45					
		5/28/45 T-156	T-156					
		MAY 45	4-26-45					

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CAT-302573
 #1/#2/#3/#4/#5 RATED 8/100/5/5/37 VOLTS
 .25/0.07/6/3/0.35 AMPS, 16CT/200CT/10
 QUARTER TAPPED/10CT/740CT TURNS OF #6
 SQ. OCC/#3ESC/#10SQOCC/#14E/#23E WIRE,
 0.25/23/1/0.25/22 OHMS DC RES. IRON
 CORE.

CCV-302574 FSB
 TRANSFORMER, PLATE AND
 FILAMENT: PRI #1/#2 RATED 110V, 60 CY/
 110V, 60 CY. CONSISTS OF 261/261 TURNS
 OF 23/23EN WIRE OF 4.5/4.5 OHMS DC RES.
 SEC #1/2/3 RATED 400-0-400V/5V, 3 AMPS/
 6.3V, 5 AMPS. CONSISTS OF 1930CT/13CT/
 16CT TURNS OF #29/13/14EN WIRE. SEC #1
 5/29/45 T-7888 A-9461
 MAY 45 CHANGE 0

CCV-302574
 HAS 120 OHMS DC RES, 2.5 KV INSULATION
 BETWEEN ALL WINDINGS AND ALL WINDINGS
 TO GND.

CTR-302575 TCH,TCH-1
 TRANSFORMER, AUDIO:
 POWER RATING: 10 WATTS. PRI RATED 10000
 OHMS IMPEDANCE, 3266 TURNS OF #36 WIRE
 449 OHMS DC RESISTANCE. PRI IS CENTER
 TAPPED. SEC RATED 6000 OHMS IMPEDANCE,
 TAPPED AT 4000 OHMS IMPEDANCE, 2508
 TURNS OF #34 WIRE, 262 OHMS DC RESIS-
 5/29/45 CTR-7F-00 COL-667472200
 MAY 45 COL-66747220000 REV. 0

CTR-302575
 TANCE, FREQ. RESPONSE 100 TO 800 CPS.
 VACUUM WAX IMPREGNATED. IMPEDANCE
 MEASURED AT 0.050 AMPS DC.

CAY-302577 SR-3
 TRANSFORMER, POWER:
 INPUT VOLTAGE 120V, OUTPUT 5V, FREQ.
 LIMITS 60-400 CPS. PRI/SEC #1/SEC #2:
 120 VOLTS, 850 TURNS #29EN WIRE, 31-7
 OHMS DC RES#1350 VOLTS 5700 TURNS #40EN
 WIRE, 3350 OHMS DC RES. TAPPED AT 570
 VOLTS, 1600 TURNS/5 VOLTS, 38 TURNS
 5/30/45 L-423142
 JUN. 45

CAY-302577
 #16EN WIRE, 0.092 OHMS DC RES.

CW-302589 QBF,QJA
 MAGNET COIL:
 CONSISTS OF 5800 TURNS, -0+5%, OF 36GAE
 WIRE WOUND ON A MAGNETIC IRON CORE. WIRE
 RESISTANCE IS 450 OHMS ±10%. SEMI-CIR-
 CULAR COPPER SLUG AT ONE END, SOLDERED
 TO CORE.
 5/29/45 D-164471 BA-108713-1
 MAY 45 ISS. 1

CW-302590 QBF,QJA
 MAGNET COIL:
 CONSISTS OF 5800 TURNS, -0+5%, OF 36GAE
 WIRE WOUND ON A MAGNETIC IRON CORE.
 WIRE RESISTANCE IS 450 OHMS ±10%. SEMI-
 CIRCULAR COPPER SLUG AT ONE END,
 SOLDERED TO CORE. SAME AS -302589 EX-
 CEPT FOR POSITION OF COPPER SLUG.
 5/29/45 D-168842 BA-108713-2
 MAY 45 ISS. 1

CTR-302591 TCB SERIES
 FILTER REACTOR:
 INDUCTANCE 8.5 HENRIES AT 10 VOLTS 60
 CYCLES WITH 0.035 AMPS DC, 2900 TURNS
 OF #36 WIRE, 480 OHMS DC RES AT 25.5°C
 2500V TEST, IRON CORE, CASED AND POTTED,
 WAX IMPREGNATED COIL. OPERATING VOLTAGE
 NOT TO EXCEED 500 VOLTS.
 5/29/45 CTR:C-8A-H4 COL-678-153000
 MAY 45 COL-678-1530-00 REV I SPEC C 67I

CTR-302592 TCC ONLY
 FILTER REACTOR:
 TO CARRY 900 MA DC. INDUCTANCE 6.0
 HENRIES AT 100 VOLTS RMS, 3300 TURNS OF
 #21 WIRE, 38 OHMS DC RES., 6000 VOLTS
 TEST, IRON CORE, WAX IMPREGNATED, 1/4"
 SCREW TERMINALS THRU PORCELAIN BUSHINGS.

5/29/45 CTR:3C-61L COL-668182400
 MAY 45 COL-638-182400 REV. 0

CTR-302593 TCC SERIES
 H.V. FILTER REACTOR:
 INDUCTANCE 6 HENRIES AT 25 VOLTS 120
 CYCLES WITH 1.2 AMPS DC, 2290 TURNS OF
 #19 WIRE, 27 OHMS DC RES, 12,500 VOLTS
 TEST, IRON CORE, WAX IMPREGNATED COIL,
 FOR USE WITH RECTIFIERS DELIVERING 2500
 VOLTS DC, 10-32 SCREW TERMINALS THROUGH
 5/29/45 CTR:C8A-72 COL-673168000
 MAY 45 COL-673168000 REV 0

CTR-302593
 ISO. BUSHING.

CTR-302594 TCC-1
 FILTER REACTOR:
 INDUCTANCE 15 HENRIES AT 10 VOLTS 60
 CYCLES WITH 0.05 AMPS DC, TEST VOLTAGE
 2500 OPERATING VOLTAGE NOT TO EXCEED
 500 VOLTS, IRON CORE.
 *COL-673152000 REV 0 SPEC. C-670
 5/29/45 CTR:C8A-00 *SEE ABOVE
 MAY 45 COL-673152000

CTR-302595 TCB SERIES
 FILTER REACTOR:
 INDUCTANCE 8.5 HENRIES AT 10 VOLTS 120
 CYCLES WITH 0.035 AMPS, DC, 290 TURNS
 OF #36 WIRE, 430 OHMS DC RES AT 75°C,
 TEST VOLTAGE 2500, OPERATING VOLTAGE NOT
 TO EXCEED 500 VOLTS IRON CORE, CASED AND
 POTTED.
 5/29/45 CTR:C-8A-H4 COL-673153100
 JUN. 45 COL-673153100 REV 0 SPEC.C-67I

CTR-302596 TCC-1
 HIGH "Q" REACTOR (300 TO
 1500 C.P.S.): Q AT 1000 CPS IS 50.372
 TURNS OF #21 WIRE WITH 2.06 OHMS DC RES.
 285 TURNS OF #22 WIRE WITH 1.16 OHMS DC
 RES, WINDING IS CONTINUOUS ALTHOUGH TWO
 SIZES OF WIRE ARE USED. TAPPED AT .0333/
 *COL-673119100 REV 0 SPEC. C-670
 5/29/45 CTR:C-80-20 *SEE ABOVE
 JUN. 45 COL-673119100

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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