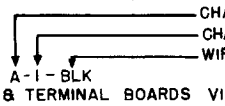
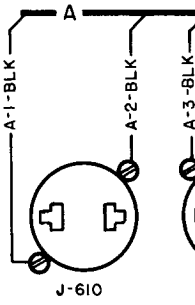
NOTES

1. WIRING CHANNELS DESIGNATED BY A, B AND C DO NOT REPRESENT CABLES, BUT ASSIST IN TRACING CONNECTIONS.
2. CHANNEL LEGEND:



3. PLUGS, CONNECTORS & TERMINAL BOARDS VIEWED FROM SCREW TERMINAL OR WIRING SIDES.
4. NO CONSISTANT COLOR CODE FOR WIRING BETWEEN E-609 AND S-601.
5. ——X—— DENOTES WIRES WITH TAPED ENDS
   ========== DENOTES WIRES IN BX CABLE.
6. ------ WIRES TERMINATING IN BROKEN LINES ON E-601, E-602, E-606 & E-607 ARE SOLDERED TO ENDS OF SCREW TERMINALS.
7. POWER ARRANGEMENTS WITH 110-120 V 60~, A-C SERIES GOVERNED MOTOR.

	POWER SOURCE	APPLICABLE RECTIFIER	CONNECTION AND STRAPPING INSTRUCTIONS
A.	90 TO 130 V OR 180 TO 260 V AC AT 25, 40, 50 OR 60 CYCLES	REC-30	1. THROW SWITCH S-605 UP TO POSITION 2. 2. THROW RECTIFIER SWITCH S-603 TO OFF POSITION. 3. OPEN THE HINGED RECTIFIER DOOR TO THE TAP & FUSE PANEL AND MOVE THE YELLOW VOLTAGE TERMINAL WIRE AT THE LEFT, IF NECESSARY, TO THAT TAP WHICH MOST NEARLY REPRESENTS THE VOLTAGE OF THE POWER SOURCE. 4. MOVE THE WHITE WIRE AT THE RIGHT, IF NECESSARY, TO THAT TAP WHICH MOST NEARLY REPRESENTS THE FREQUENCY OF THE POWER SOURCE (REFER TO RECTIFIER DIAGRAM). 5. CONNECT A-C POWER LEADS TO TERMINALS 21 & 22 OF E-601 AS SHOWN.
B.	115 V AC 60 CYCLES ONLY	REC-13	1. THROW SWITCH S-605 DOWN TO POSITION 1. 2. CONNECT A-C POWER LEADS TO TERMINALS 21 & 22 OF E-601 AS SHOWN.
C.	115 V AC 60 CYCLES AND 115 V DC	NONE REQUIRED	1. FOR THE MOTOR CIRCUIT THROW SWITCH S-605 DOWN TO POSITION 1. 2. FOR LOCAL D-C CIRCUITS AND TERMINAL BOARDS. A. MOVE UPPER END OF STRAP, A-82-BLK ON E-602, FROM TERMINAL 37 TO 22. B. MOVE UPPER END OF STRAP, A-84-BLK ON E-602, FROM TERMINAL 35 TO 21. C. CONNECT THE POSITIVE LEAD FROM THE 115V DC POWER SOURCE TO TERMINAL 21 AND CONNECT THE NEGATIVE LEAD TO TERMINAL 22 ON E-602. 3. CONNECT A-C POWER LEADS TO TERMINALS 21 AND 22 OF E-601 AS SHOWN. 4. FOR TRANSMITTER DISTRIBUTOR CONNECTIONS REFER TO SCHEMATIC DIAGRAM OF TABLE AND TO TM 11-2222.



8. THE RECTIFIER A-C INPUT SWITCH S-603 AND THE TRANSMITTER DISTRIBUTOR SWITCH S-604 UNDER THE FRONT OF THE TABLE TOP ARE ON WHEN THEIR HANDLES ARE POINTED TOWARD THE OPERATOR.
9. ADJUST SIGNAL LOOP RESISTORS R-601 & R-603 TO 2000 OHMS OR FOR 60 MILLIAMPERES, WHEN REQUIRED, FOR USE IN A LOOP.
10. ADJUST LOCAL TEST LOOP RESISTOR R-602 FOR 60 MILLIAMPERES.
11. TO INSERT BATTERY IN ANY ONE OF THE LOOPS ENTERING THE TABLE MAKE CONNECTIONS AT TERMINAL BOARD E-603, E-604 OR E-605 USING TERMINALS OF E-607 OR E-606 AS THE BATTERY SOURCE. PROCEED AS FOLLOWS:
    A. REMOVE THE WIRE FROM UPPER TERMINAL 1 OR 3 OF E-603, E-604 OR E-605 DEPENDING ON WHICH LOOP IS TO BE SUPPLIED, THEN CONNECT THIS WIRE TO THE UPPER (−) TERMINAL OF E-607.
    B. REMOVE THE LOWER WIRE OF THE SAME LOOP EXTENSION FROM TERMINAL 1 OR 3 (DIRECTLY UNDER ONE REMOVED IN SUB PAR. A ABOVE) AND CONNECT IT TO THE LOWER (+) TERMINAL OF E-607.
    C. ADJUST THE 2500-OHM RESISTOR R-603, IF NECESSARY, TO PROVIDE THE CORRECT SIGNAL LOOP CURRENT OF 60 MILLIAMPERES.
    D. IF IT IS DESIRED TO PROVIDE LINE BATTERY IN A SECOND LOOP APPLY THE SAME PROCEDURE AS GIVEN ABOVE BUT USE TERMINAL BOARD E-606 AS A SOURCE AND R-601 TO ADJUST CURRENT.
12. TERMINALS 5 & 6 OF E-605 MUST BE STRAPPED TO COMPLETE THE DUMMY TEST LOOP WHEN ONLY THE ONE LOCAL TELETYPEWRITER SET IS TO BE TESTED IN ITS TEST CIRCUIT THROUGH USE OF THE LINE SWITCHING KEY.
13. HALF DUPLEX OPERATION.
    A. IF DESIRED, THE RECEIVING COMPONENT CONNECTED TO TERMINALS 3 & 4 OF E-603 MAY BE CONNECTED IN SERIES WITH THE ALREADY EXISTING SERIES CIRCUIT CONTAINING THE PERFORATOR (WITH KEYBOARD) TRANSMITTER, THE TRANSMITTER DISTRIBUTOR, AND THE LINE SWITCHING KEY. THIS MAY BE ACCOMPLISHED AT EITHER ONE OF THE LOWER TERMINALS NUMBERING 2, 5, OR 6 OF E-603. POLARITY OF BATTERY APPLIED TO RECEIVING POLAR RELAYS MUST BE AS INDICATED ON DIAGRAM.
    B. FOR EXAMPLE, ON E-603 REMOVE ANY UNUSED WIRES FROM LOWER TERMINALS 3 & 4, MOVE THE WIRE FROM LOWER TERMINAL 2 TO LOWER TERMINAL 4, THEN STRAP LOWER TERMINAL 3 TO LOWER TERMINAL 2. THE TRANSMITTING AND RECEIVING COMPONENTS OF THE SET ARE THUS ARRANGED IN SERIES AND MAY BE SWITCHED TO LINE 1, LINE 2, OR TEST (TERMINATING AT E-605) BY THE LINE SWITCHING KEY.
14. FULL DUPLEX OPERATION.
    ARRANGE EQUIPMENT THE SAME AS IN NOTE 13, THEN CONNECT IT TO THE SEND LOOP. CONNECT A REPERFORATOR AND/OR A SECOND PRINTER TO THE RECEIVE LOOP.
15. INSERT 1.6 AMPERES PRINTER MOTOR FUSE IN XF-1 OF BASE UNIT, INSERT 1.25 AMPERES TRANSMITTER DISTRIBUTOR MOTOR FUSE IN XF-601, AND IF USED, INSERT 1.4 AMPERES REPERFORATOR MOTOR FUSE IN XF-602.

TRACING CONNECTIONS.

TO ENDS OF SCREW TERMINALS.

EL AND MOVE THE YELLOW
AT TAP WHICH MOST NEARLY

HAT TAP WHICH MOST NEARLY
TO RECTIFIER DIAGRAM).
601 AS SHOWN.

601 AS SHOWN.

SITION 1.

TERMINAL 37 TO 22.
TERMINAL 35 TO 21.
SOURCE TO TERMINAL 21 AND
.
601 AS SHOWN.
ATIC DIAGRAM OF TABLE

DER THE FRONT OF THE TABLE

N REQUIRED, FOR USE IN A LOOP.

RMINAL BOARD E-603, E-604
FOLLOWS:
IGH LOOP IS TO BE SUPPLIED,

NDER ONE REMOVED IN

P CURRENT OF 60 MILLIAMPERES,
AS GIVEN ABOVE BUT USE

LY THE ONE LOCAL TELETYPE-
KEY.

ONNECTED IN SERIES WITH THE
, THE TRANSMITTER DISTRIB-
R TERMINALS NUMBERING 2, 5,
CATED ON DIAGRAM.
WIRE FROM LOWER TERMINAL 2
ING AND RECEIVING COMPON-
R TEST (TERMINATING AT

ECT A REPERFORATOR AND/OR

ITTER DISTRIBUTOR MOTOR

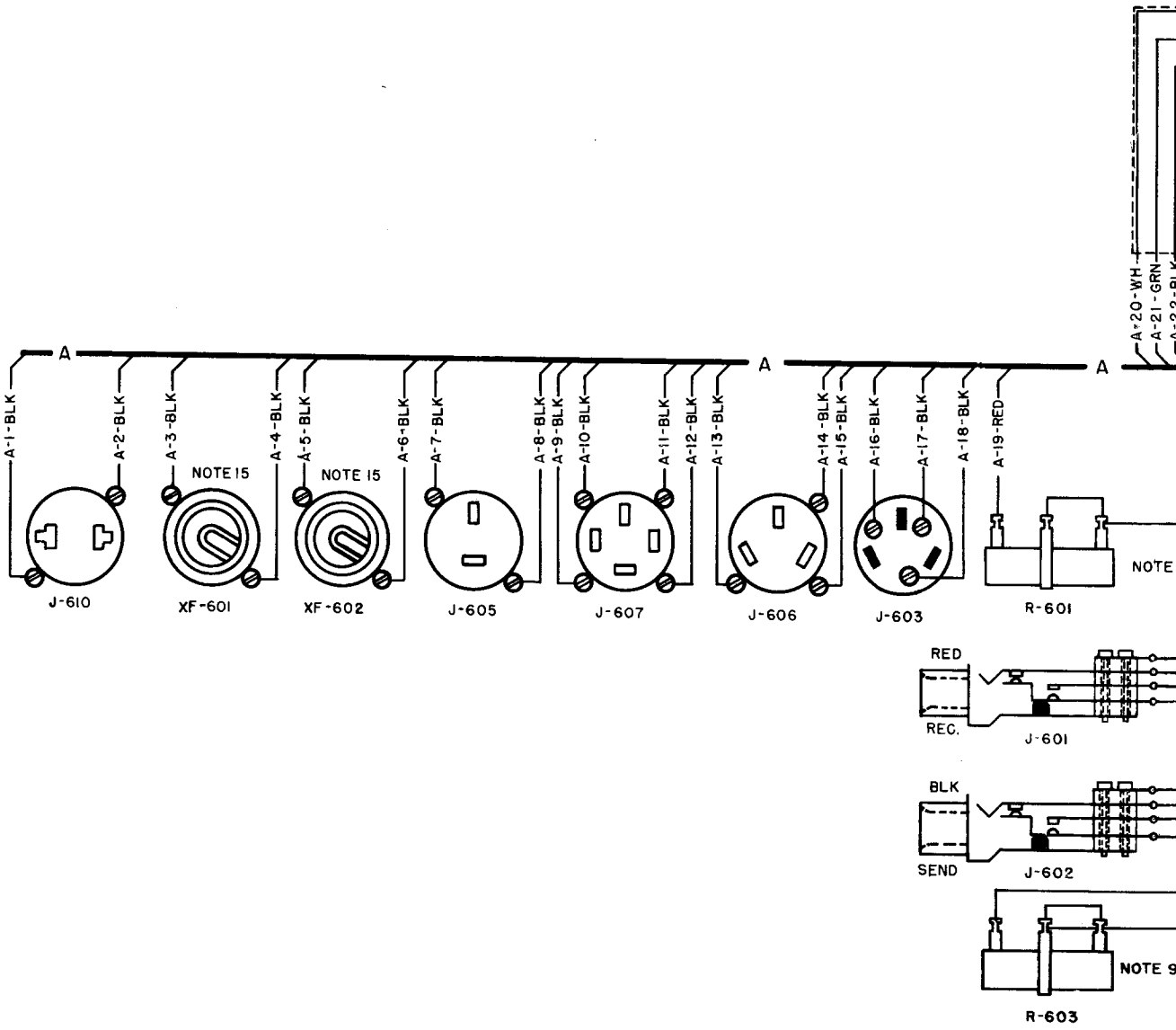
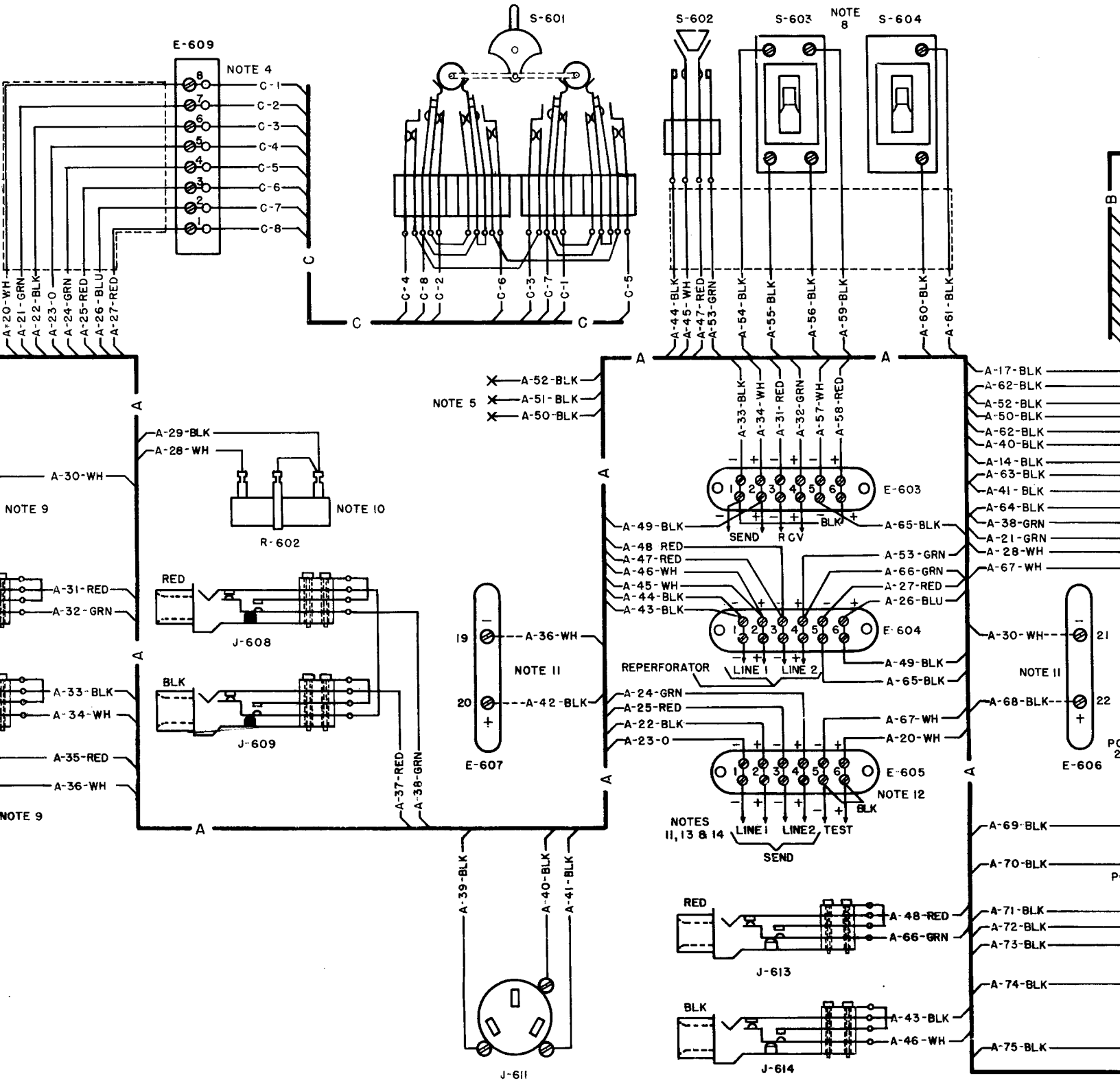
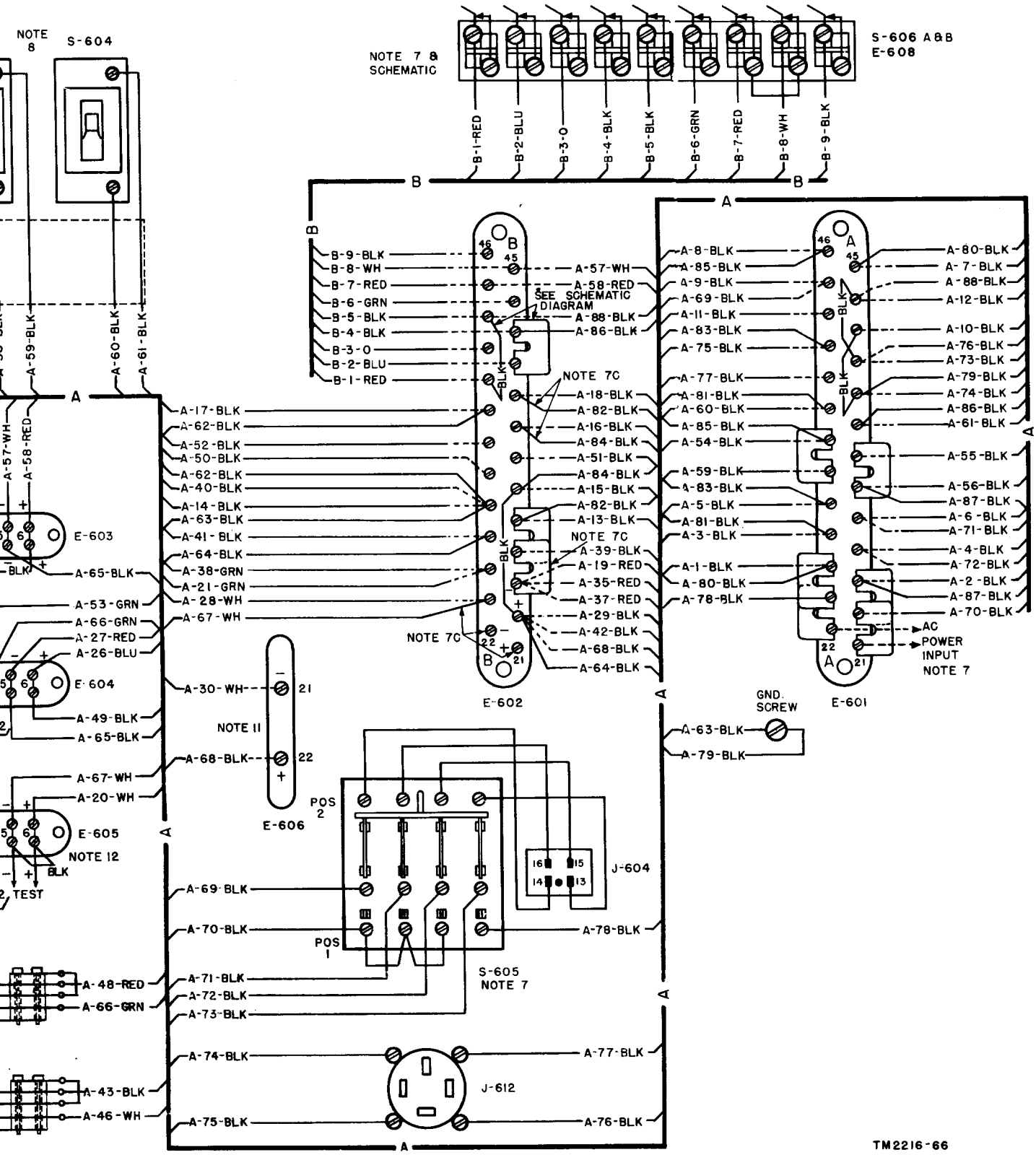


Figure 275. Table, actu



le, actual wiring diagram.


NOTE 8
S-604
NOTE 7 & SCHEMATIC
S-606 A&B
E-608
B-1-RED
B-2-BLU
B-3-O
B-4-BLK
B-5-BLK
B-6-GRN
B-7-RED
B-8-WH
B-9-BLK
A-59-BLK
A-60-BLK
A-61-BLK
A-57-WH
A-58-RED
E-603
A-65-BLK
A-53-GRN
A-66-GRN
A-27-RED
A-26-BLU
E-604
A-49-BLK
A-65-BLK
A-67-WH
A-20-WH
E-605
NOTE 12
TEST
A-48-RED
A-66-GRN
A-43-BLK
A-46-WH
A-17-BLK
A-62-BLK
A-52-BLK
A-50-BLK
A-62-BLK
A-40-BLK
A-14-BLK
A-63-BLK
A-41-BLK
A-64-BLK
A-38-GRN
A-21-GRN
A-28-WH
A-67-WH
A-30-WH
NOTE 11
A-68-BLK
E-606
POS 2
POS 1
A-69-BLK
A-70-BLK
A-71-BLK
A-72-BLK
A-73-BLK
A-74-BLK
A-75-BLK
J-604
S-605
NOTE 7
J-612
A-77-BLK
A-76-BLK
A-78-BLK
B-9-BLK
B-8-WH
B-7-RED
B-6-GRN
B-5-BLK
B-4-BLK
B-3-O
B-2-BLU
B-1-RED
A-57-WH
A-58-RED
SEE SCHEMATIC DIAGRAM
A-88-BLK
A-86-BLK
NOTE 7C
A-18-BLK
A-82-BLK
A-16-BLK
A-84-BLK
A-51-BLK
A-84-BLK
A-15-BLK
A-82-BLK
A-13-BLK
NOTE 7C
A-39-BLK
A-19-RED
A-35-RED
A-37-RED
A-29-BLK
A-42-BLK
A-68-BLK
A-64-BLK
NOTE 7C
E-602
A-8-BLK
A-85-BLK
A-9-BLK
A-69-BLK
A-11-BLK
A-83-BLK
A-75-BLK
A-77-BLK
A-81-BLK
A-60-BLK
A-85-BLK
A-54-BLK
A-59-BLK
A-83-BLK
A-5-BLK
A-81-BLK
A-3-BLK
A-1-BLK
A-80-BLK
A-78-BLK
A-80-BLK
A-7-BLK
A-88-BLK
A-12-BLK
A-10-BLK
A-76-BLK
A-73-BLK
A-79-BLK
A-74-BLK
A-86-BLK
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A-56-BLK
A-87-BLK
A-6-BLK
A-71-BLK
A-4-BLK
A-72-BLK
A-2-BLK
A-87-BLK
A-70-BLK
AC
POWER INPUT
NOTE 7
E-601
GND. SCREW
A-63-BLK
A-79-BLK
TM2216-66