

INSTRUCTIONS FOR INSTALLING THE 324584 (KSR) AND
324585 (ASR) MODIFICATION KITS TO REPLACE THE
177563 SIGNAL REGENERATOR CARD IN MODEL 35
KSR AND ASR SETS WITH THE 323609 SIGNAL
REGENERATOR CARD

1. GENERAL

1.01 The 324584 and 324585 modification kits provide updating of the regenerated line signal by changing the regenerator circuit card, changing the timing contact assemblies in the keyboard and transmitter distributor, and by adding spark suppression networks.

1.02 The 324584 and 324585 modification kits are installed in the Model 35 TWX ASR and KSR to provide signal regeneration with only two differences between the two kits. The differences are the installation of an additional spark suppression network in the LESU and the installation of a 321916 contact assembly and its adjustment in the ASR transmitter distributor.

1.03 The 324584 (for KSR Sets) kit consists of:

1	41382	Spring	1	324013	Spring post
1	90391	Washer	1	4726WD	Wiring diagram
1	125015	Washer	1	4935WD	Schematic wiring diagram
1	153631	Spark suppression network	1	6020WD	Schematic wiring diagram
2	155755	Sleeve	1	7242WD	Schematic wiring diagram
1	198236	Cam follower stud	1	7244WD	Actual wiring diagram
1	323609	Signal regenerator	1	323609	Circuit card drawing
1	324010	Contact assembly			
1	324011	Follower, w/hub and post			
1	324012	Stud			

1.04 The 324585 (for ASR Sets) kit consists of:

1	2669	Lockwasher	2	155755	Sleeve
1	41382	Spring	1	177894	Nut
1	90391	Washer	1	198236	Cam follower stud
1	125015	Washer	1	321915	Eccentric
1	153631	Spark suppression network	1	321916	Contact assembly
			1	323609	Signal regenerator

SPECIFICATION 50485S

1	324010	Contact assembly	1	4726WD	Wiring diagram
1	324011	Follower, cam w/hub and post	1	5822WD	Actual wiring diagram
1	324012	Stud	1	6000WD	Schematic wiring diagram
1	324013	Spring post	1	6522WD	Schematic wiring diagram
1	326635	Spark suppression network	1	6523WD	Actual wiring diagram
1	326636	Wire assembly, electrical	1	323609	Circuit card drawing

1.05 For parts ordering information, other than the part in the kits, see Teletype Parts Bulletins 1187B, 1201B, and 1205B. Bell System refer to the standardized information.

2. INSTALLATION

2.01 Isolate the set from all power sources. Remove the 177563 circuit card from the signal regenerator assembly and replace it with the 323609 circuit card furnished with the 324584 or 324585 modification kit.

2.02 The 192485 contact assembly in the keyboard (LK or LAK - both kits) must be removed and replaced, where applicable, with the 319946 contact assembly (LK or LAK). Refer to Paragraph 2.02 of Teletype Specification 50479S for detailed instructions.

2.03 The 192605 contact assembly in the transmitter distributor (LXD) must be replaced by a 321916 contact assembly. (ASR only-kit 324585: Refer to Paragraph 2.03 of Teletype Specification 50479S for detailed instructions.)

2.04 The necessary adjusting and lubrication procedure is to be found in Specification 50479S.

2.05 The 326635 spark suppression network must be installed in the electrical service unit. (ASR only - kit 324585: Refer to 5822WD and 6532WD.)

(a) Remove the C-wiring field cover on the electrical service unit. Remove the 198259 strap (or two 197054 straps) which connect terminals C-G2, C-G4, and C-G5. Install the 326636 electrical wire assembly (or "strap") to connect terminals C-G2, C-G4, C-G5, and C-L7.

(b) Install the 326635 spark suppression network between terminals C-L7 and C-P6.

- (c) Move the white wire (F-4-W) on C-N3 to C-N5.
- (d) Move the white-orange-green wire (F-18-W-O-G) on C-N5 to C-N3.
- (e) Remove or loosen the electrical service unit mounting hardware and turn electrical service over. Change wiring on MSK relay as follows:

Move wire on MSK11 to MSK2.

Move wire on MSK 2 to MSK11.

Add wire between MSK7B and MSK2M.

Add wire between MSK7 and C-N1.

Replace C wiring field cover and remount electrical service unit.

- 2.06 The 153631 spark suppression network must be installed in the answer-back assembly, refer to 4726WD. Solder the leads of the 153631 spark suppression network to terminals 1 and 4 of the nonrepeat relay, using a 155755 sleeve to cover each terminal.

