

PRIVATE BRANCH EXCHANGE TIE TRUNK CIRCUITS
GENERAL DESCRIPTIVE INFORMATION

1. GENERAL

1.001 This addendum supplements Section 981-010-100.

1.002 It is issued to add information for trunk modification on 2-way automatic tie trunk circuits with loop signaling.

9. 2-WAY AUTOMATIC TIE TRUNK CIRCUITS

The following changes apply to part 9 of this section.

(a) Table D — revised.

(b) Figures 8, 9, 10, 11, and 12 — added.

TABLE D
2-WAY AUTOMATIC TIE TRUNK CIRCUITS WITH LOOP SIGNALING

CIRCUIT	J-SPEC	PBX OR ATTENDANT FACILITY USED WITH	SIGNALING METHOD	SELECTION	TERMINATING OR THROUGH SERVICE	MAXIMUM LOOP CIRCUIT RESISTANCE	IDLE CIRCUIT TERMINATION	PAD CONTROL	TYPE REPEAT COIL OR BRIDGED IMPEDANCE	REMARKS
SD-65733-01	J59019E	507	High-Low See Note and refer to Fig. 8	Manual	Terminating	2340Ω***	YES	NO	202	<p>All of these trunk circuits are compatible with 24V4 repeaters and E6 repeaters. They can be used with carrier systems if a suitable loop to E and M converter is used. See Table G. If resistance limit of E and M leads is exceeded, DX2 or similar signaling unit is required.</p> <p>Note: Trunk unit must be modified per specified figure.</p>
SD-65823-01	J58837G	701B (Console)	High-Low (Rev Bat. on Through)	Manual or Dial	Both	4600Ω*	YES	NO	120	
SD-66065-01	J53120AA	552, 556, 605, 608	High-Low See Note and refer to Fig. 9	Manual	Terminating	1768Ω**	NO	NO	Bridged Impedance	
SD-66066-01	J58824S	552, 608, 701, 740, 756, 800	High-Low See Note and refer to Fig. 10	Manual or Dial	Terminating	4600Ω (Opt V, Adj. C, 44V at distant PBX)	NO	NO	Bridged Impedance	
SD-66524-01	J59013J	555, 557	High-Low See Note and refer to Fig. 11	Manual	Terminating	2340Ω***	NO	NO	202	
SD-66622-01	J58824AR	606, 607, 608, 701, 740	High-Low See Note and refer to Fig. 12	Manual or Dial	Terminating	4600Ω*	NO	NO	Bridged Impedance	
SD-1H044-01	J1H005AA	101	High-Low	Dial	Both	4600Ω*	YES	YES	120	
SD-1A264-01	J1A033CG	No. 1 ESS Centrex	High-Low, Seizure Reverse Battery Answer	Dial	Both	5500Ω	YES	NO	4036B Network	

* Maximum external circuit loop resistance with L relay having adjustment C and a minimum of 44 volts at the distant PBX.

** Maximum external circuit loop resistance for outgoing calls with 44-volt minimum voltage.

*** Maximum external circuit loop resistance for outgoing calls with 18-volt minimum and 25-volt maximum voltage.

FIG. 8

MODIFICATION FOR 507
P.B.X.
T-65733-11 PARTIALLY SHOWN
J-59019E

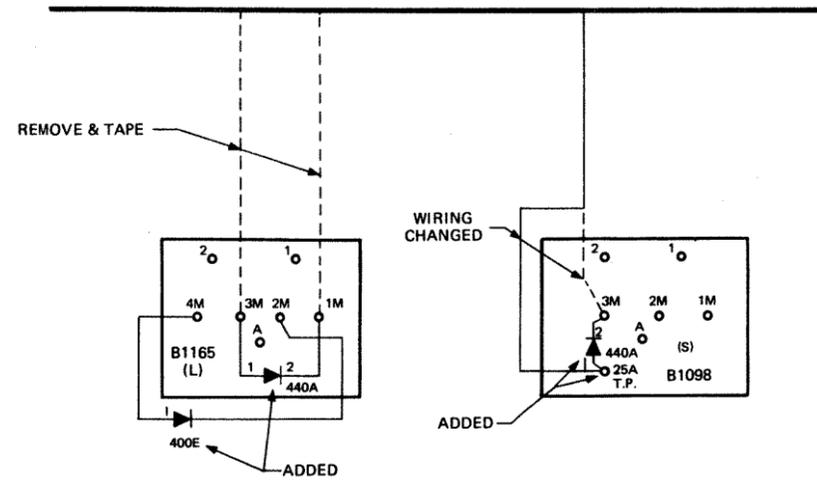


FIG. 11

MODIFICATION FOR 555, 557
P.B.X.
T-66524-11 PARTIALLY SHOWN
J-59013J-I

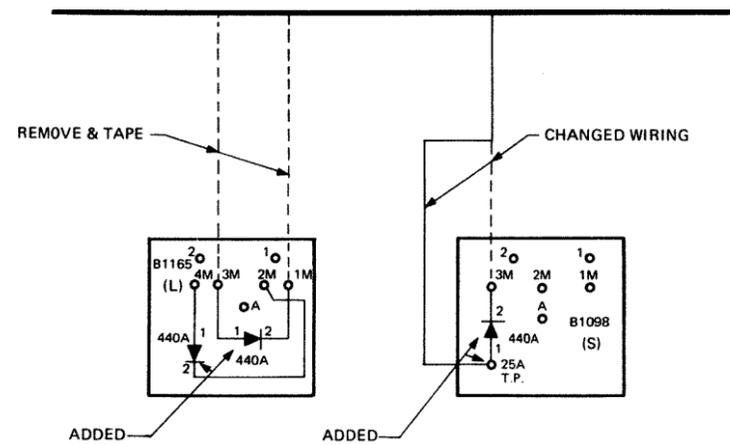


FIG. 9

MODIFICATION FOR 552, 556, 605, 608
P.B.X.
T-66065-33 PARTIALLY SHOWN
J-53120AA

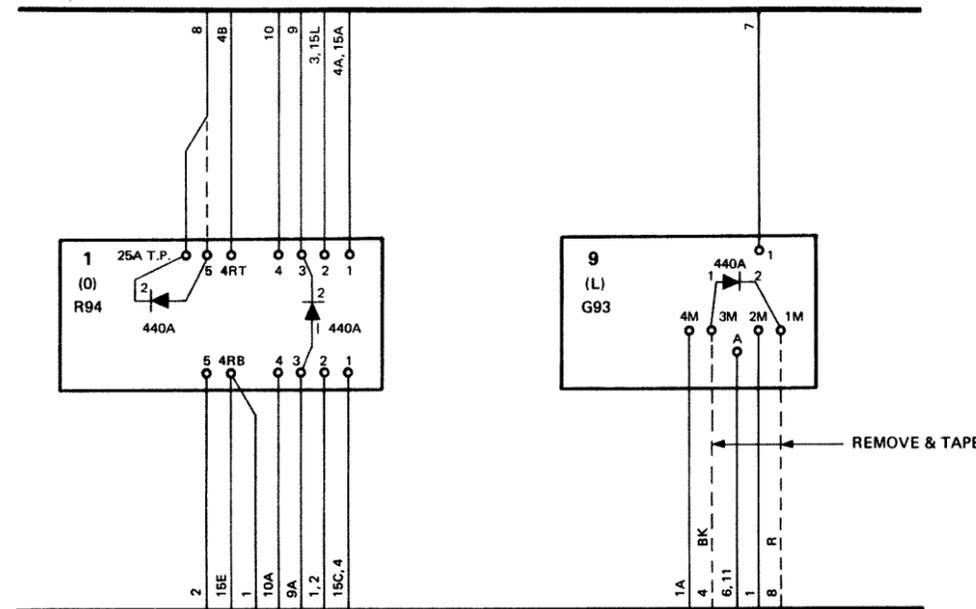


FIG. 12

MODIFICATION FOR 552, 556, 607
P.B.X.
T-66622-12 PARTIALLY SHOWN
J-58824AR-I

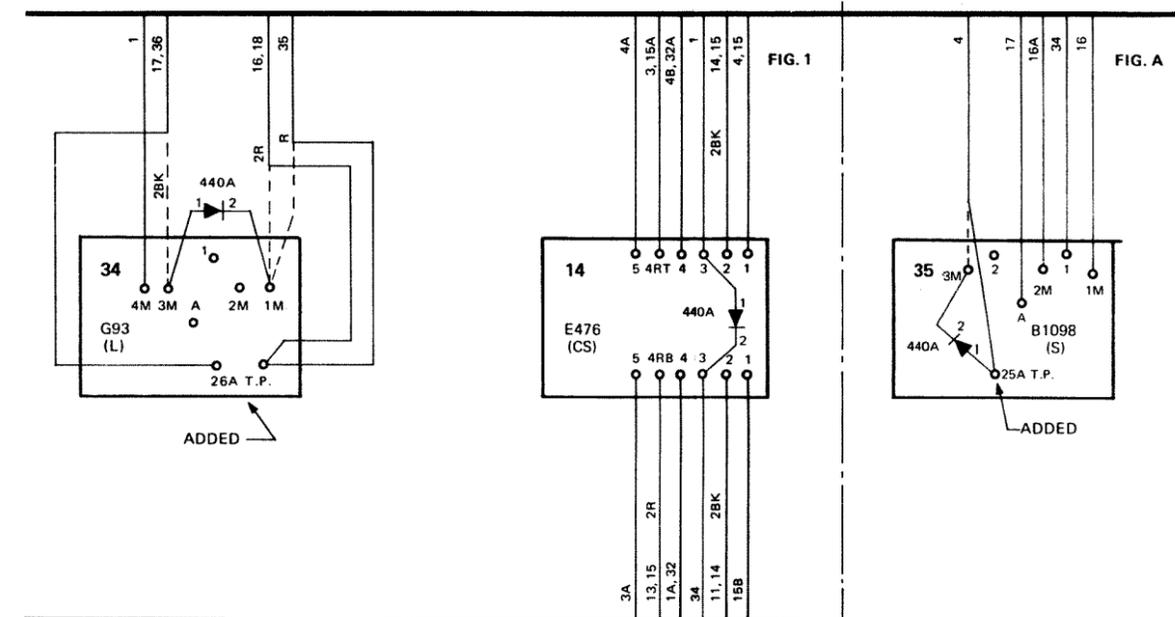


FIG. 10

MODIFICATION FOR 552, 556, 605, 608
P.B.X.
T-66066-16 PARTIALLY SHOWN
J-58824S-I

