

GROUP ALERTING SYSTEM STATION APPARATUS CONNECTIONS

1. GENERAL

1.01 This section covers connections of station apparatus and modifications of the telephone sets associated with the group alerting system. It is reissued to incorporate a modified 565GK telephone set to replace the 565GBR telephone set which is rated MD, and to generally update section.

1.02 The 53B control unit is designed for use with the KS-16765, List 1 announcement set. It is not compatible with the 2AB telephone answering set.

2. MODIFICATIONS

2.01 When a minimum system is involved, the control station will require a 500DR telephone set modified as shown in Fig. 1, 2, and Table A. A KS-14603, List 1A resistor (511 ohms) shall be added as shown.

2.02 Control stations employing the automatic announcement feature will require a 565GK or a 565GBR (MD) telephone set modified per Table B.

2.03 If a KS-16765, List 1 announcement set with a serial number lower than 6677 is used with

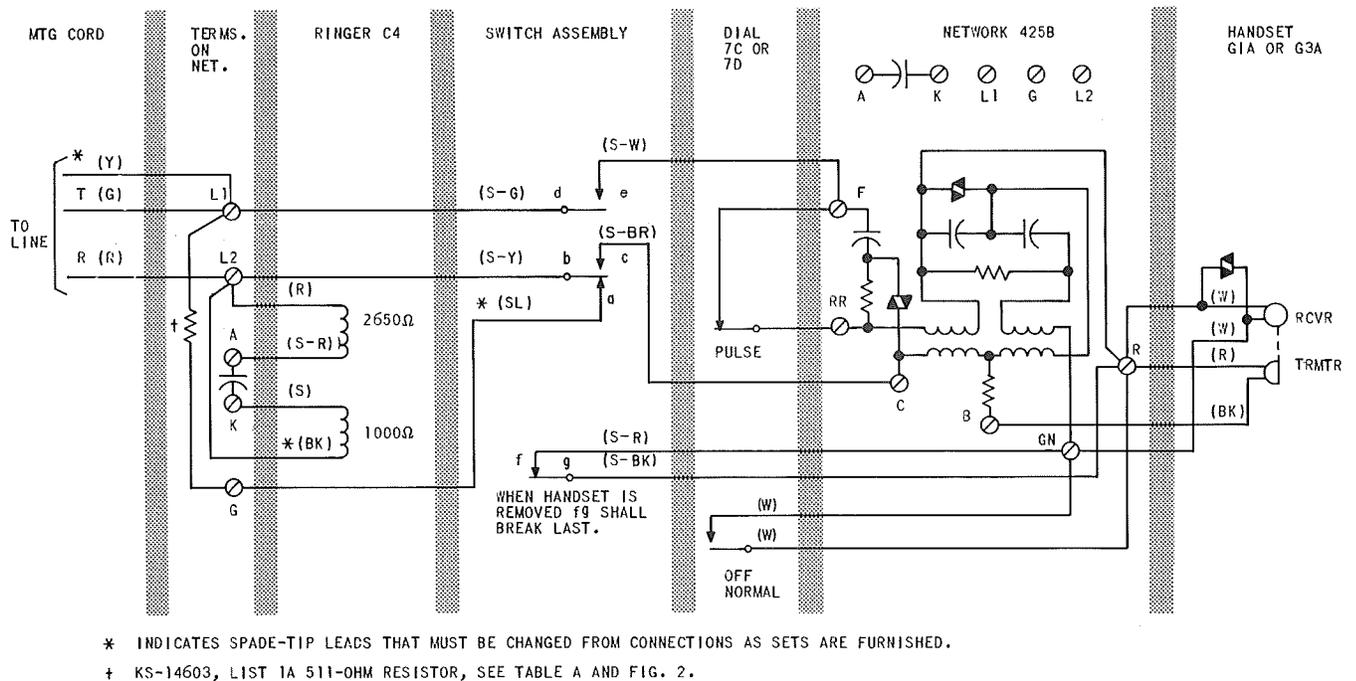


Fig. 1—Wiring Modifications, 500DR Telephone Set

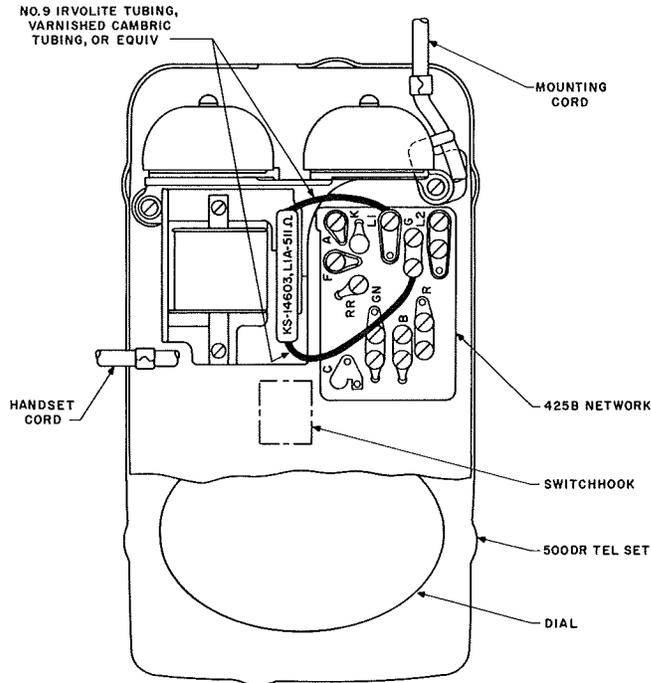


Fig. 2—Placement of Resistor, 500DR Telephone Set

TABLE A

MODIFY THE TELEPHONE SET OF FIG. 1 AS SHOWN		
WIRE OR LEAD	REMOVE FROM	CONNECT TO
Black Ringer	G	L2
Slate Switch Assembly	L2	G
Yellow Cord	G	L1

Note: Connect a 511-ohm KS-14603, List 1A resistor between terminals L1 and G of 425B network as shown in Fig. 2.

TABLE B

LEAD	REMOVE FROM	CONNECT TO
S-W	1B	M
W-BR	M	EB
BK-BR	M	1B
S-G	M	L2
BK-W	1H	EH
Y (Dial)	1B	SG
G-Y	1T	*
R-Y	1R	*

* Insulate and store.

a 53B control unit, it will be necessary to add the following leads in the announcement set:

5 make A relay to 11 of TB1

6 make D relay to 14 of TB1

Announcement sets with serial number 6677 and higher have this wiring placed during manufacture as N option.

3. CONNECTIONS

3.01 The 500DR telephone set is connected to its line facilities as shown in Fig. 1.

3.02 When a 565GK or a 565GBR (MD) and its associated apparatus are used, it will be necessary to measure the loss in dB of the monitoring line. Place straps on TB1 of the 53-type control unit per Table C.

TABLE C

DEPENDING UPON THE MEASURED LINE LOSS OVER THE (MON) LOOP, TERMINALS ON TB1 OF 53-TYPE CONTROL UNIT SHALL BE STRAPPED AS FOLLOWS:

LINE LOSS (dB)	STRAP TERMINALS ON TB1
0 to 2	14-39, 35-37
2 to 6	13-15, 11-36, 11-12, 37-38
6 to 9	13-14, 12-15, 35-36, 38-39
Greater than 9	11-15, 37-39

USING 565GBR (MD) TELEPHONE SET

3.03 A 53A control unit used with a 2AB telephone answering set is connected as shown in Fig. 3. A 53A control unit used with a KS-16765, List 1 announcement set is connected as shown in Fig. 4. A 53B control unit used with a KS-16765, List 1 announcement set is connected as shown in Fig. 5.

USING 565GK TELEPHONE SET

3.04 A 53A control unit used with a 2AB telephone answering set is connected as shown in Fig. 6. A 53A control unit used with a KS-16765, List 1 announcement set is connected as shown in Fig. 7. A 53B control unit used with a KS-16765, List 1 announcement set is connected as shown in Fig. 8.

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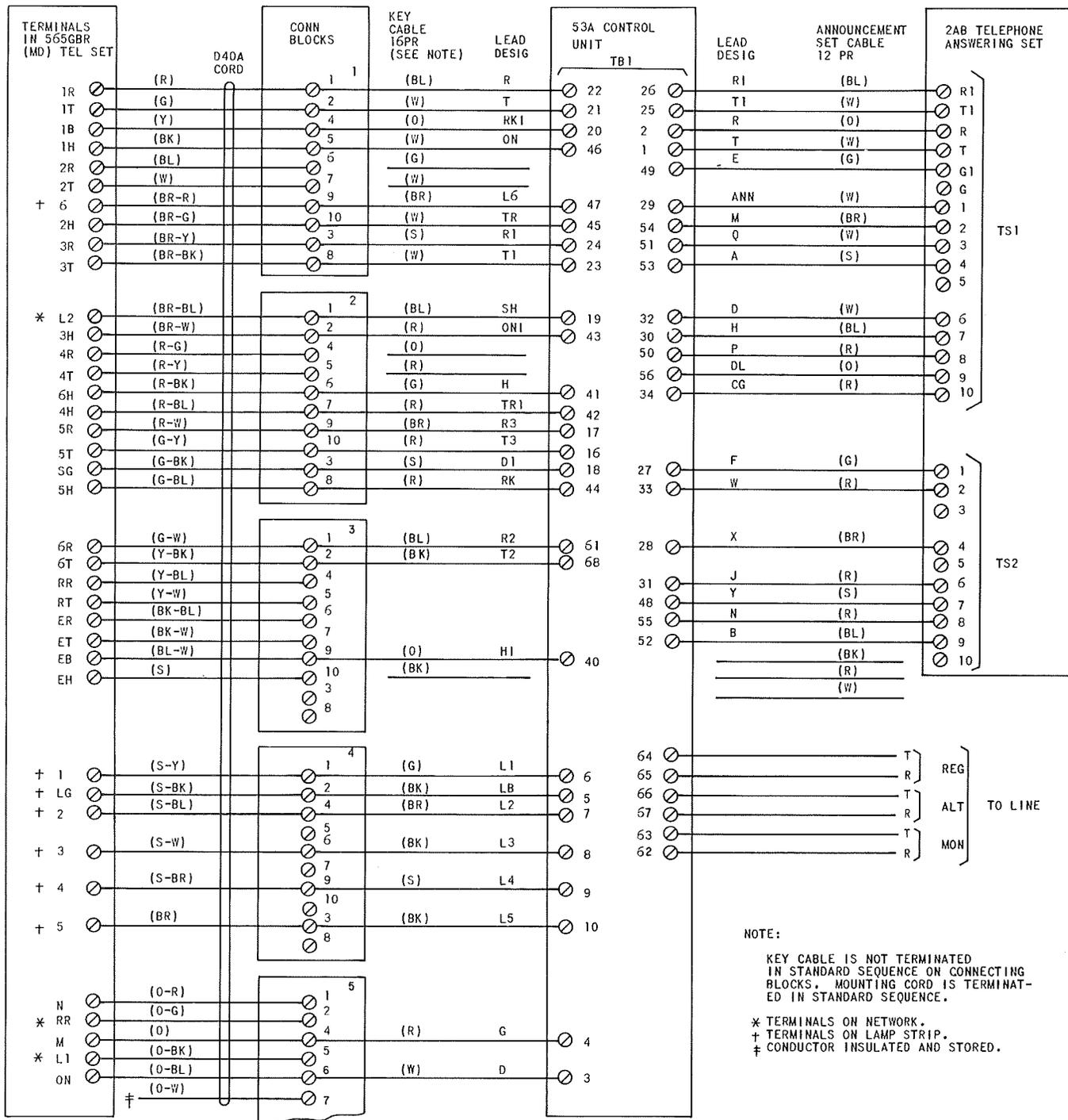


Fig. 3—Connection Diagram 565GBR (MD) Telephone Set, 53A Control Unit and 2AB Telephone Answering Set

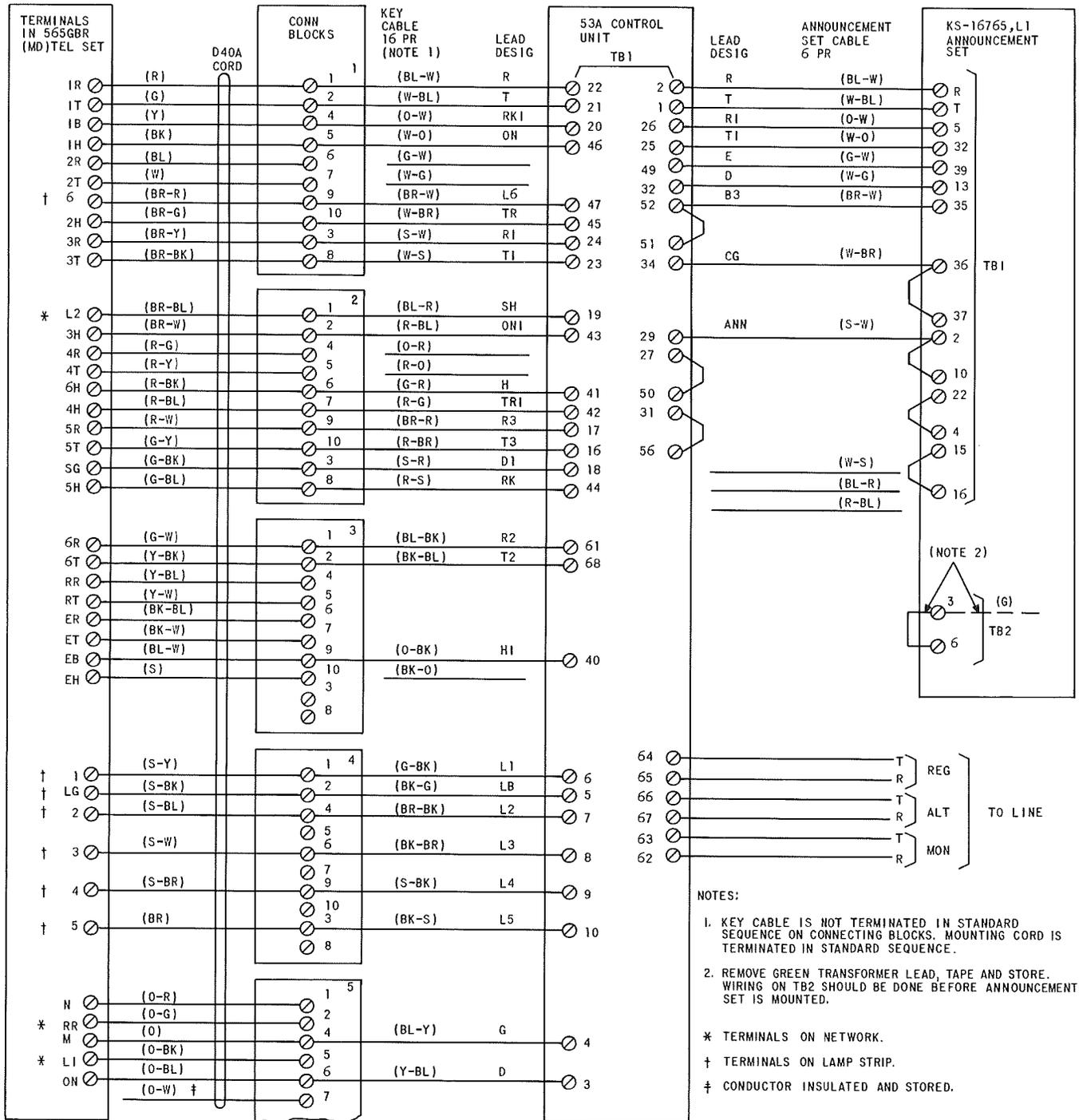


Fig. 4—Connection Diagram 565GBR (MD) Telephone Set, 53A Control Unit and KS-16765, List 1 Announcement Set

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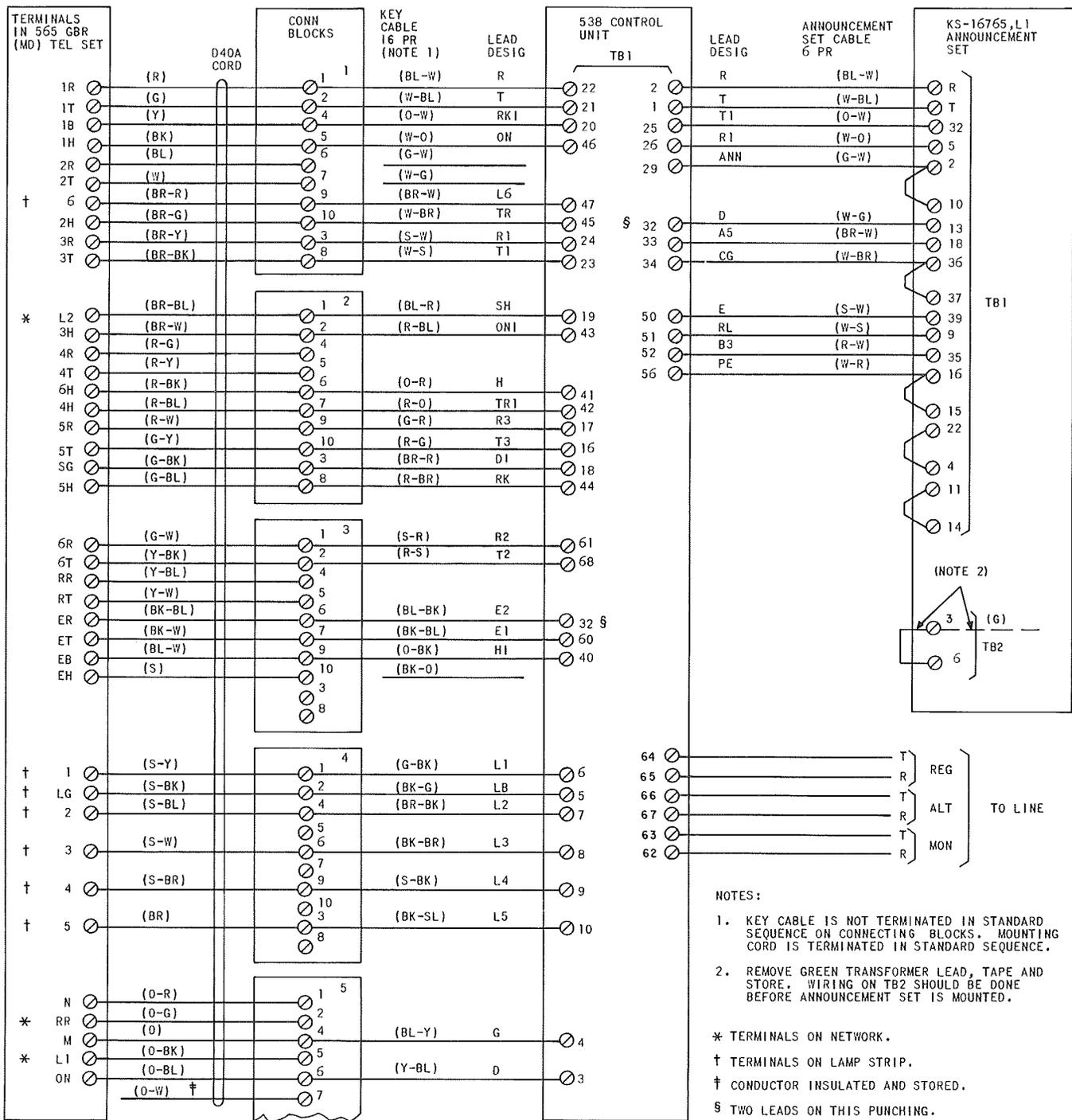


Fig. 5—Connection Diagram 565GBR (MD) Telephone Set, 53B Control Unit and KS-16765 List 1 Announcement Set

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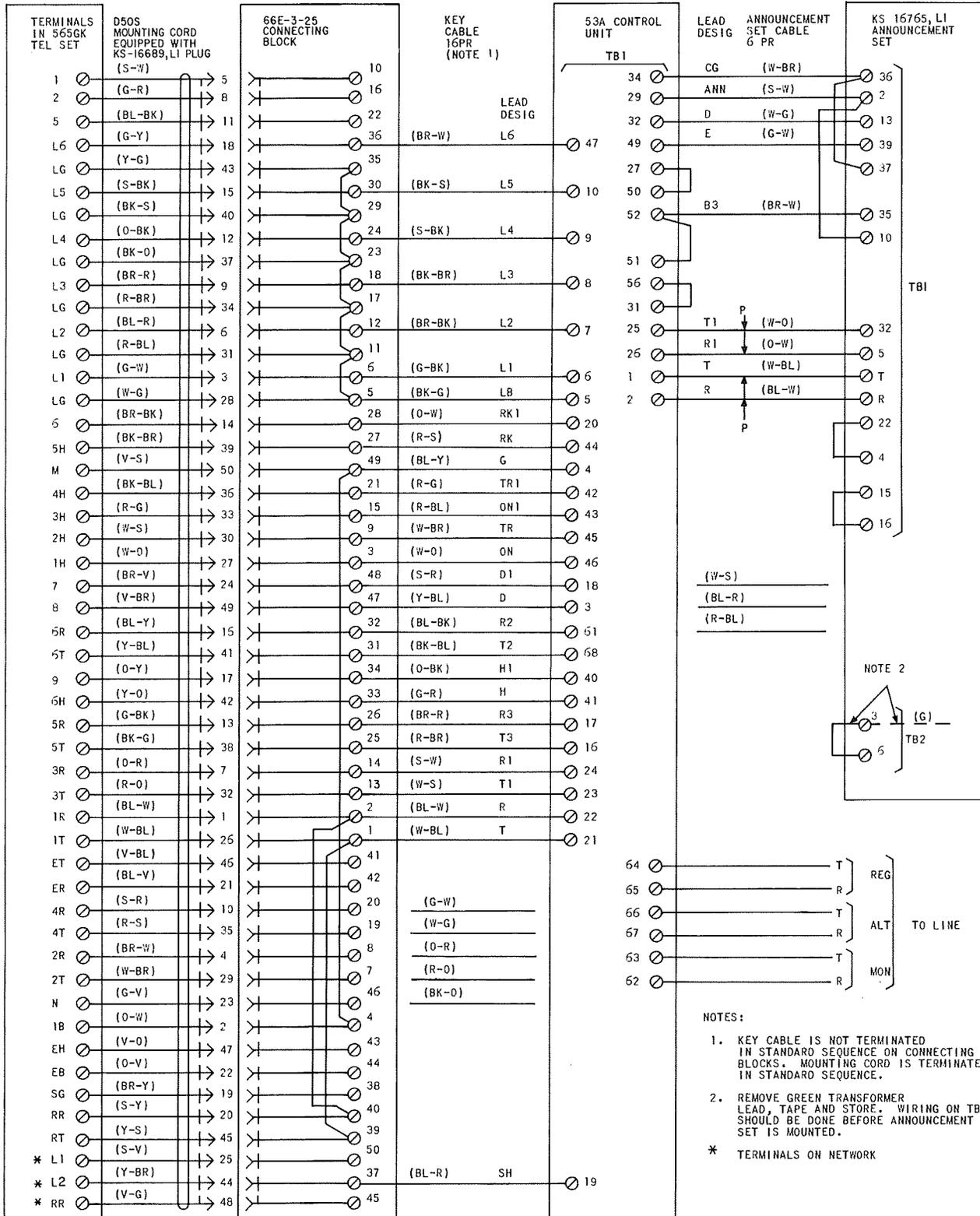


Fig. 7—Connection Diagram 565GK Telephone Set, 53A Control Unit and KS-16765, List 1 Announcement Set

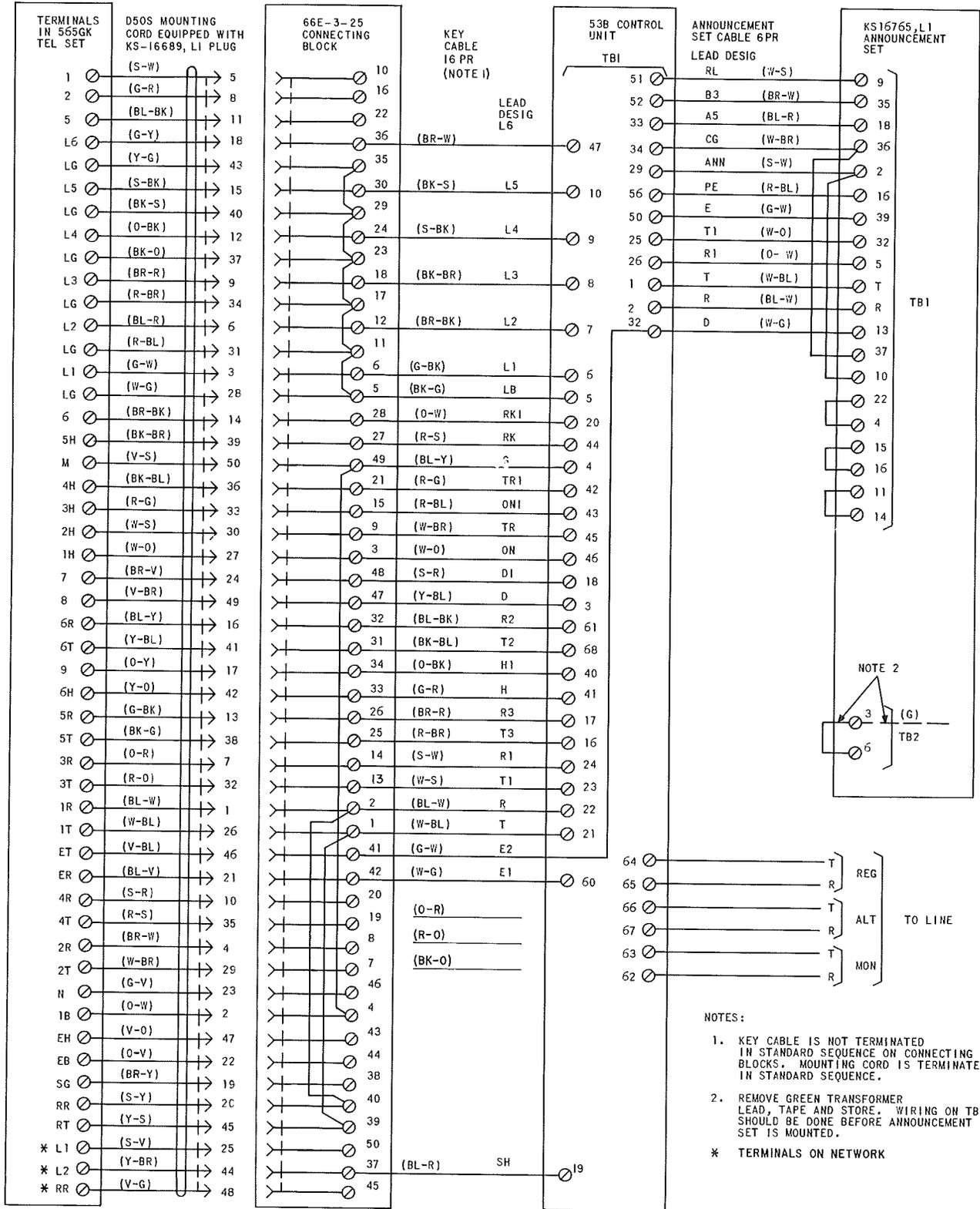


Fig. 8—Connection Diagram 565GK Telephone Set, 53B Control Unit and KS-16765, List 1 Announcement Set