

REFERENCE

701D, 702D, 711B, AND 713B TELEPHONE SETS

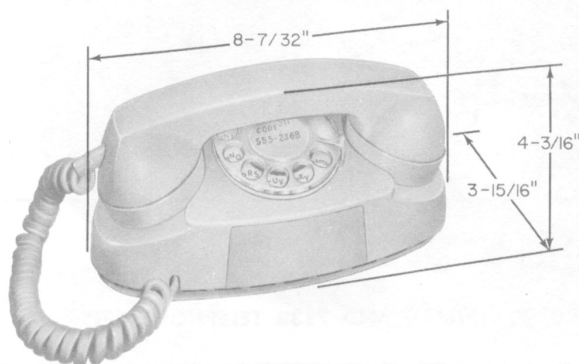


Fig. 1—700-Type Telephone Set

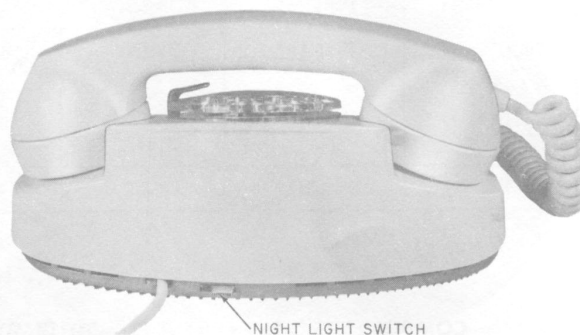


Fig. 2—700-Type Telephone Set, Rear View

1. GENERAL

1.01 This section provides identification, installation, maintenance, and connection information for the 701D (MD), 702D, 711B (MD), and 713B PRINCESS® telephone sets previously contained in Sections 502-710-101, 502-710-401, 502-710-405, 502-710-410, and 502-710-413 which are hereby canceled.

2. IDENTIFICATION

2.01 These sets are equipped with a concealed lamp which illuminates the dial when the handset is removed. This lamp also serves as a night light under control of a slide switch located in the base at the rear of the set (Fig. 2).

2.02 Table A lists the major components of 701D (MD), 702D, 711B (MD), and 713B PRINCESS telephone sets.

2.03 These sets are available in standard telephone colors. Refer to Section 500-120-100 for promoted and nonpromoted colors.

2.04 The 701D (MD) and 711B (MD) telephone sets, replaced by the 702D and 712B,

respectively, are not equipped with internal ringer. When a ringer is required, an E1-type external ringer (Fig. 6) may be used.

2.05 The 701D (MD) telephone set is equipped with a message waiting lamp (Fig. 3) and is intended for use with PBX's which provide this feature.

2.06 The 702D telephone set (Fig. 4) is similar to the 701D (MD) except that an M1A internal ringer is provided.

2.07 The 711B (MD) telephone set (Fig. 5) is equipped with a slide switch for line selection and a switch (push-to-operate) for signaling.

2.08 The 711B (MD) telephone set is factory wired for 2-line pickup, exclusion, and signaling. The exclusion feature is operated by raising the left line switch plunger.

2.09 The 713B telephone set is a 2-line set similar in appearance to the 712B telephone set. This set is equipped with a 638C key which permits selection of either of two CO lines and when used in conjunction with the hold key, permits mechanically holding the nonselected line. This is accomplished by manually raising the left-hand plunger before operating the turn key.

TABLE A

COMPONENTS AND FEATURES — 701D(MD), 702D, 711B(MD), AND 713B TELEPHONE SETS

TYPE SET	HOUSING	MTG CORD	NET.	INTERNAL RINGING	MESSAGE WAITING LAMP	USED WITH 1A KTS
701D(MD)	P-81P2*	D6AB	495A	No	KS-16893L1	Yes
702D	P-89A9*	D5AK	4010B	Yes	KS-16893L1	Yes
711B(MD)	P-81K3*	D14H or D14L	495A	No	No	No
713B	P-89H1*	D6AF	4010B	No	No	Yes

TABLE A (Cont)

COMPONENTS AND FEATURES — 701D(MD), 702D, 711B(MD), AND 713B TELEPHONE SETS

TYPE SET	3-TYPE SPEAKER-PHONE	1A HOME INTERPHONE	2A FARM INTERPHONE	EQUIPPED WITH EXCLUSION SWITCH	EQUIP WITH HOLD KEY
701D(MD)	No	No	No	No	No
702D	No	No	No	No	No
711B(MD)	Yes	Yes	Yes	Yes	No
713B	No	No	No		Yes

Note: The following components are common to all 700-series PRINCESS telephone sets:

- Dial 8A
- Dial lamp, KS-19387 (GE259); order by KS number
- Dial lamp, socket, KS-19240L2
- Handset, G3AR
- Handset cord, H4CJ

* The last two digits of housing part number must be replaced by the code number which corresponds to the color desired.

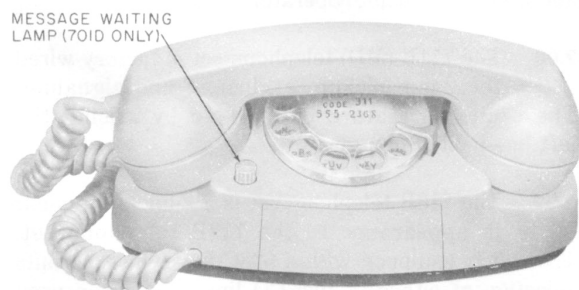


Fig. 3—701D (MD) Telephone Set

2.10 The 638C key has a pushbutton element for signaling which is furnished not wired, but can be wired in by changing the mounting cord.

2.11 The 713B telephone set is not equipped with an internal ringer. When a ringer is required, an E1-type external ringer (Fig. 6) may be used.

2.12 The 713B telephone set is initially intended for use with 2-line residential nonkey system use.

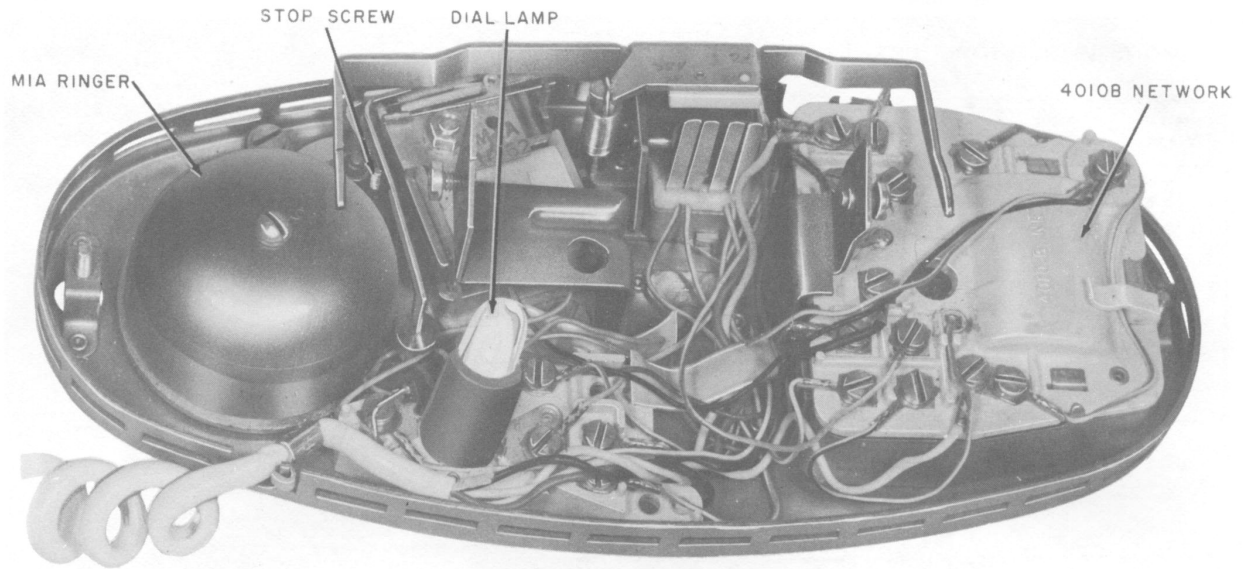


Fig. 4—702D Telephone Set, Dial and Housing Removed

● General appearance of installation.

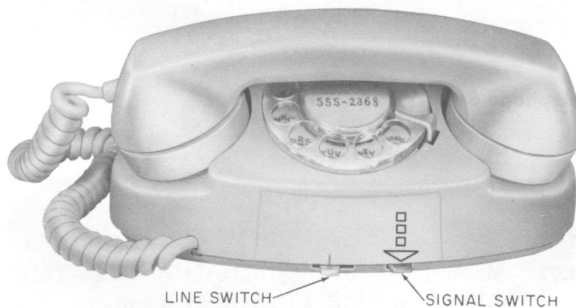


Fig. 5—711B (MD) Telephone Set

3. INSTALLATION

3.01 Insofar as possible, be guided by the customer's wishes in placing apparatus. Consider the following:

- Safety for yourself, customer, and maintenance personnel.
- Availability of power outlet for transformer.
- Location of telephone set so ringer volume is adequate for area.

Dial Light Transformer

3.02 Select a 105-120 volt ac receptacle that is on a circuit not controlled by a switch. A 2012A transformer should be used with each telephone set. Current model transformers utilize folded-blade prongs to secure the transformer to the service outlet. For multiple installations, see section covering station transformers.

3.03 For proper illumination of the dial, the length of the wire between the transformer and the telephone set should not exceed 250 feet of standard inside wire. **Do not use a 25-foot mounting cord because of added resistance.**

D-179924 Kit of Parts

3.04 A D-179924 Kit of Parts containing a weight, spring, and insulator is available to reduce sliding while dialing the 701D (MD) telephone set.

3.05 Install D-179924 Kit of Parts as follows:

- (1) Remove telephone set housing.

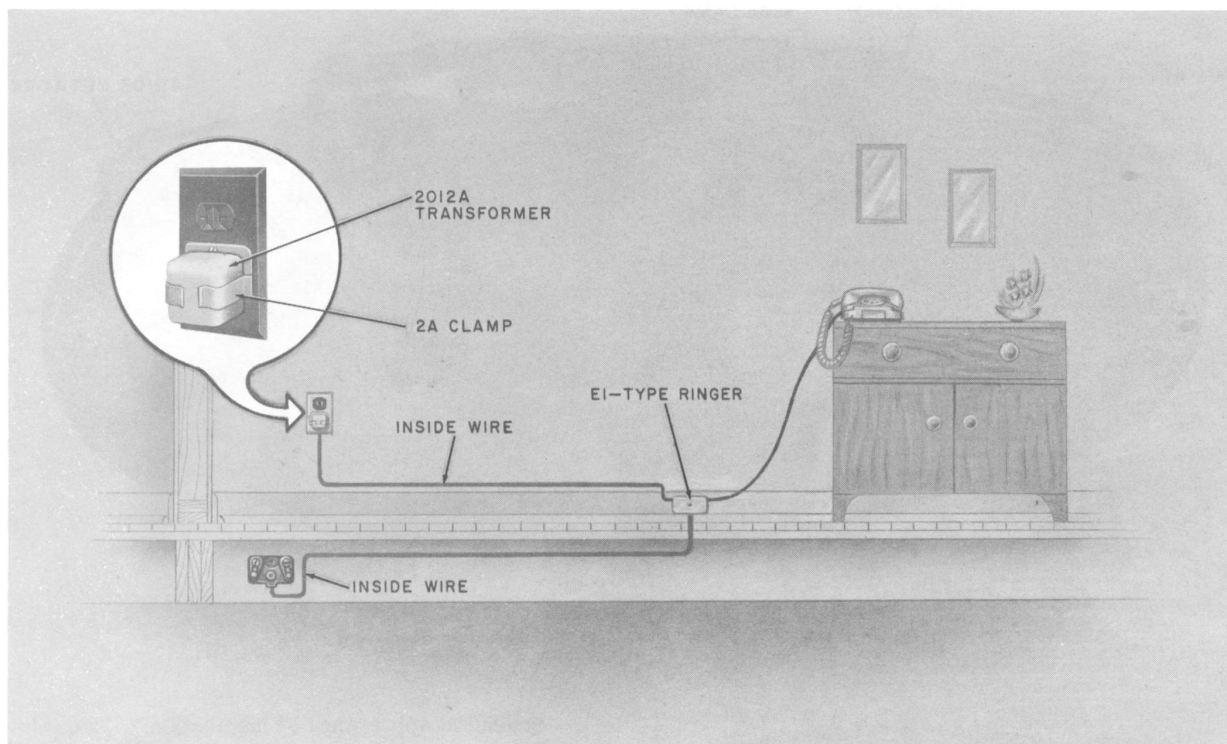


Fig. 6—Typical Installation of 700-Type Telephone Sets With External Ringer

- (2) Dress all leads to prevent wiring from being caught between weight and base of set.
- (3) Install P-25E307 insulator as shown in Fig. 7.
- (4) Install P-15E719 weight and P-24E510 spring retainer as shown in Fig. 8.
- (5) Replace telephone set housing.

Cold-Cathode Tube

3.06 If the 711B (MD) or 713B telephone sets are to be used with 4-party selective or 8-party semiselective ringing, it is necessary to mount the 425A or 426A tube in a subscriber set.

Portable Installation

3.07 Jacks and plugs are available for portable installation of these telephone sets. Refer to appropriate section for selection of proper types.

4. MAINTENANCE

4.01 Maintenance of the 701D (MD), 702D, 711B (MD), and 713B PRINCESS telephone sets is limited to replacing defective components (Table A) and burnishing or adjusting line switch contacts.

4.02 Refer to sections covering dials, handsets, cords, ringers, networks, line keys, etc., for maintenance of these components.

4.03 Housings, dial plates, and handsets may be cleaned with a damp KS-2423 cloth. **Do not use scouring cleaners on colored components as this may damage finish.**

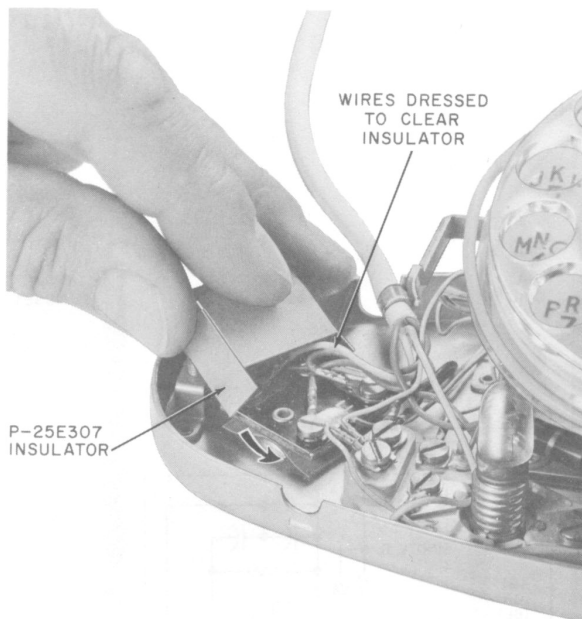


Fig. 7—Placing Insulator Over Terminal

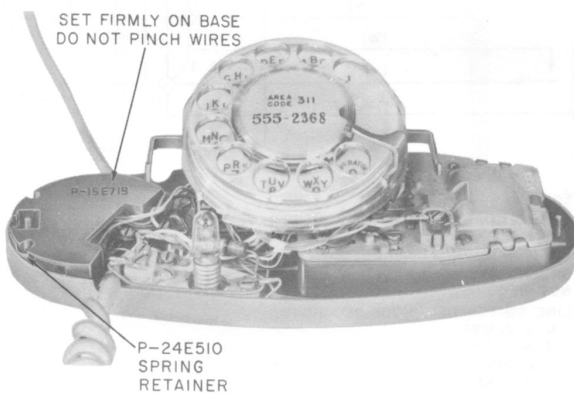


Fig. 8—Location of P-24E510 Spring Retainer and P-15E719 Weight

TABLE B

701D(MD) LINE AND RINGER CONNECTIONS

WIRE OR LEAD	COLOR	INDIV OR BRIDGED*	RING PARTY	TIP PARTY
Ringer	R	7	7	7
	S-R	1	1	1
	BK	6	2	2
	S	1	1	1
Capacitor in Ringer	W	7	7	7
	Y	5	5	6
Mtg Cord at Ringer	R	5	5	6
	G	6	6	5

* Factory-wired for individual or bridged party service.

TABLE C

711B(MD) TELEPHONE SET MODIFICATION FOR 1-LINE PICKUP

WIRE OR LEAD	COLOR	REMOVE FROM	CONNECT TO	
		TERM. STRIP	TERM. STRIP	NET.
Line Key	G	2	Insulate or store on unused terminal	
	R	1		
Exclusion Switch	G-Y	2		
	R-Y	1		
M1W Cord or Strap Wire			2 ← → F	
			1 ← → L2	

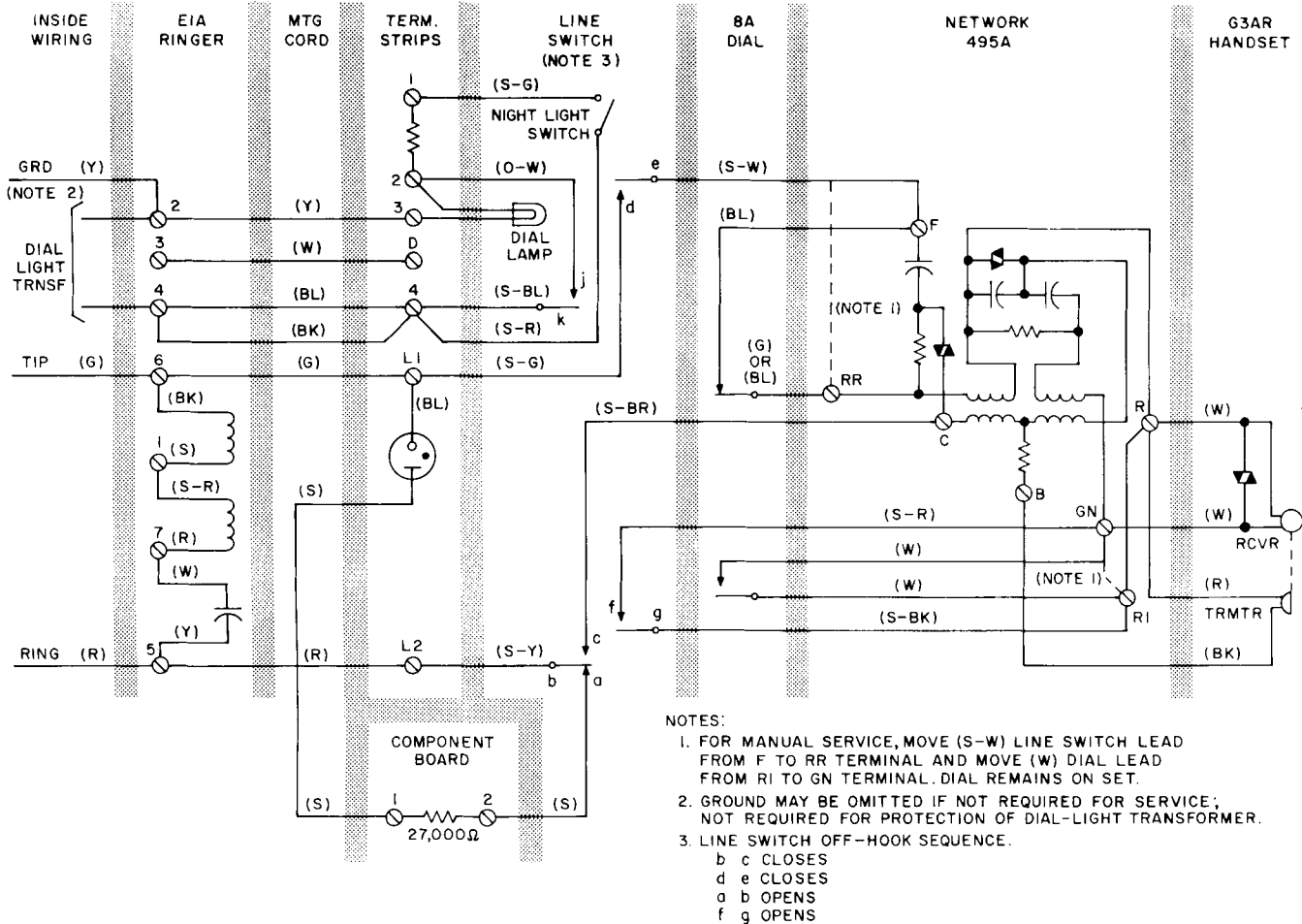


Fig. 9—701D (MD) Telephone Set, Factory Wiring

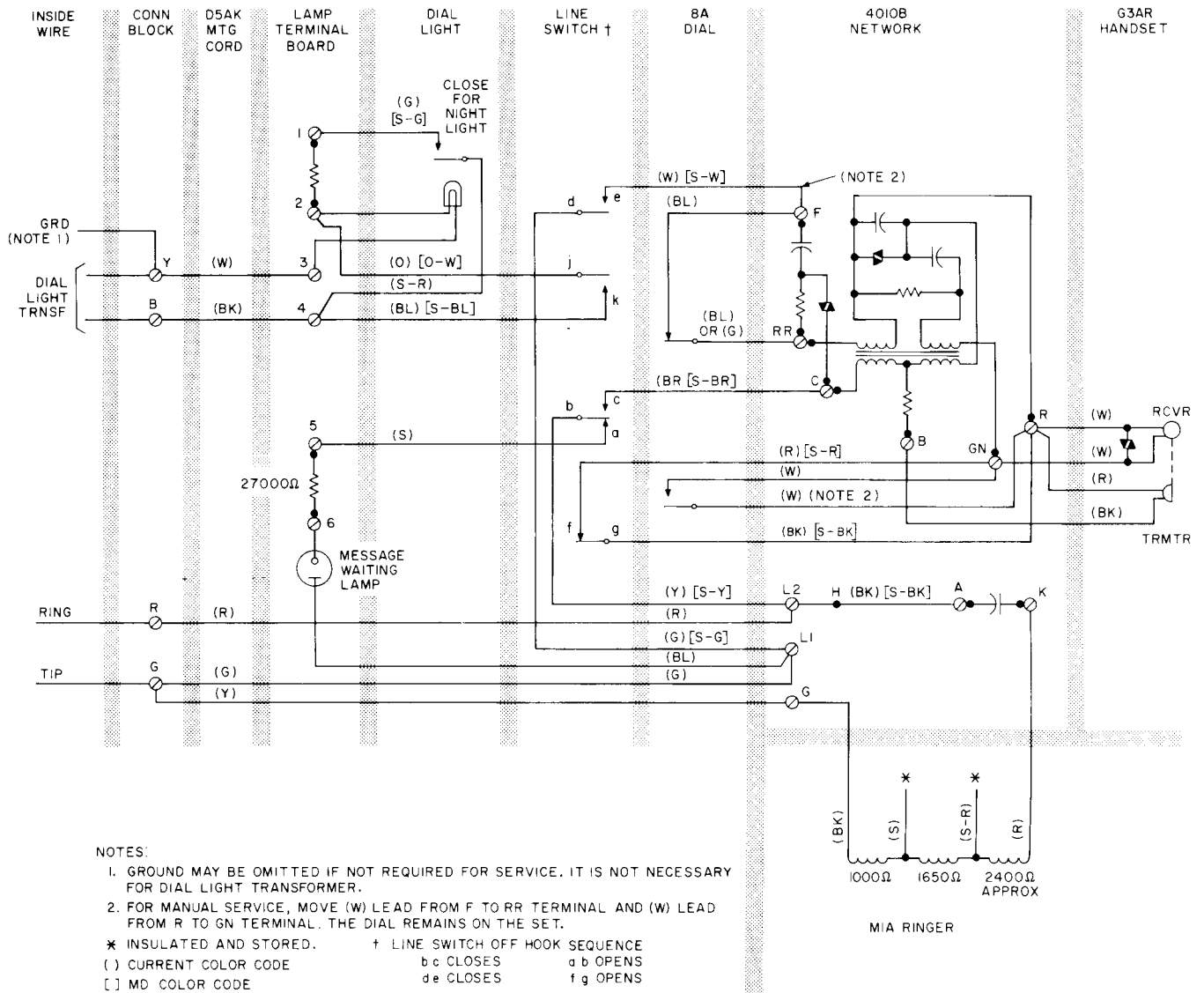


Fig. 10—702D Telephone Set, Factory Wiring

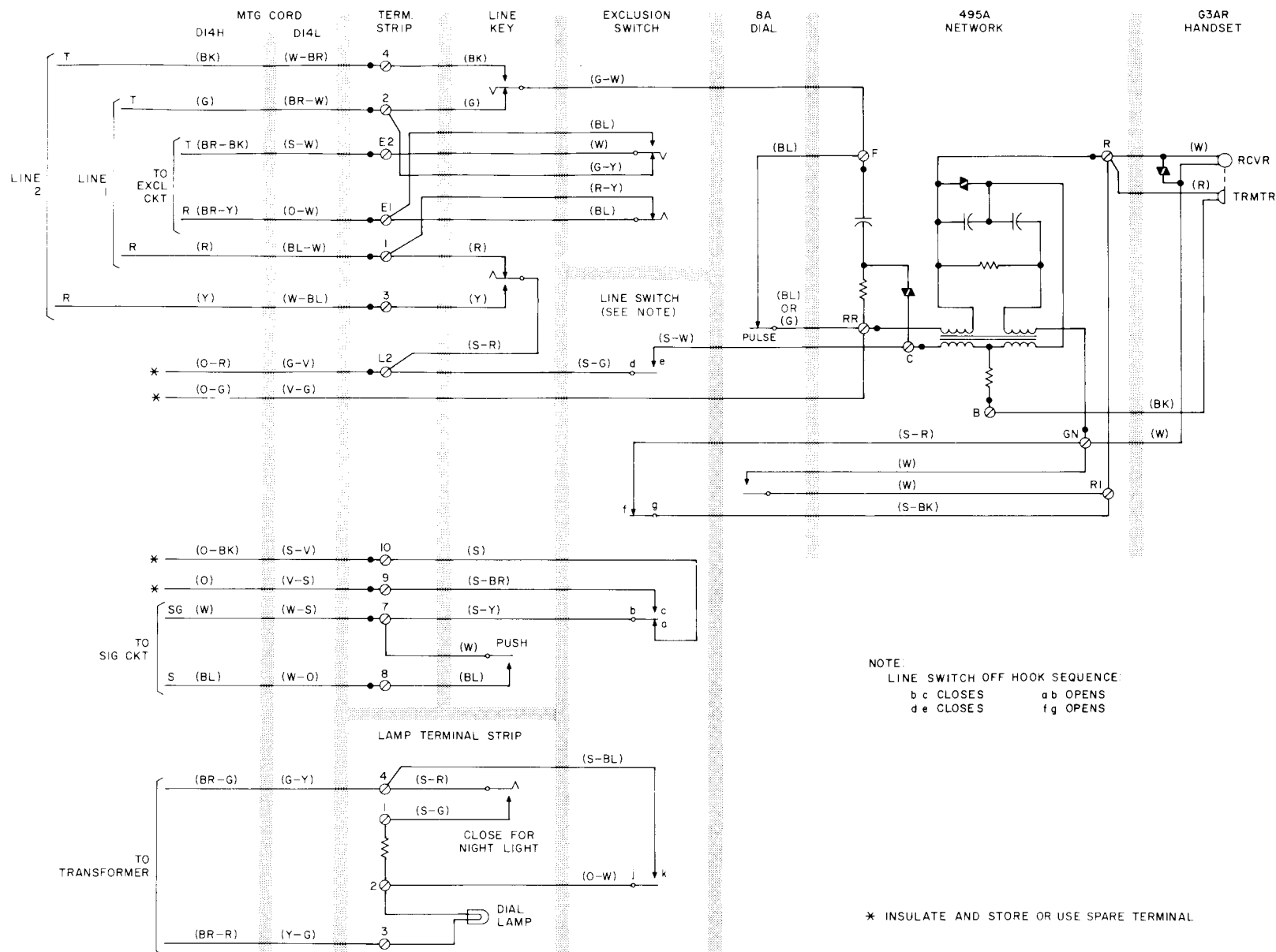


Fig. 11—711B (MD) Telephone Set—Wired for 2-Line Pickup, Exclusion on Line 1, and Signaling (Used Without 1A1 or 1A2 KTS)

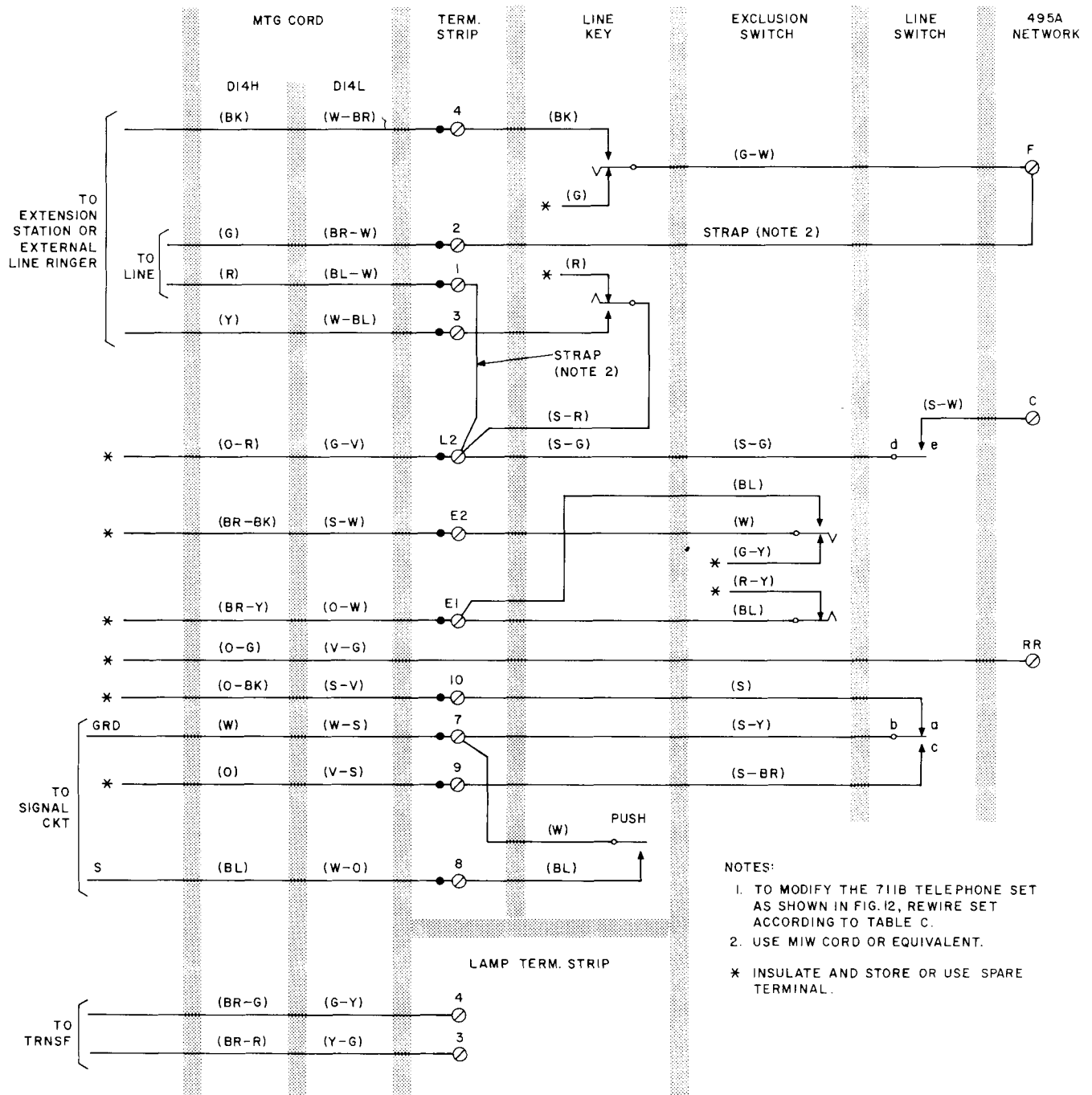


Fig. 12—711B (MD) Telephone Set—Wired for 1-Line Pickup, Cutoff Feature for Extension Station or External Line Ringer

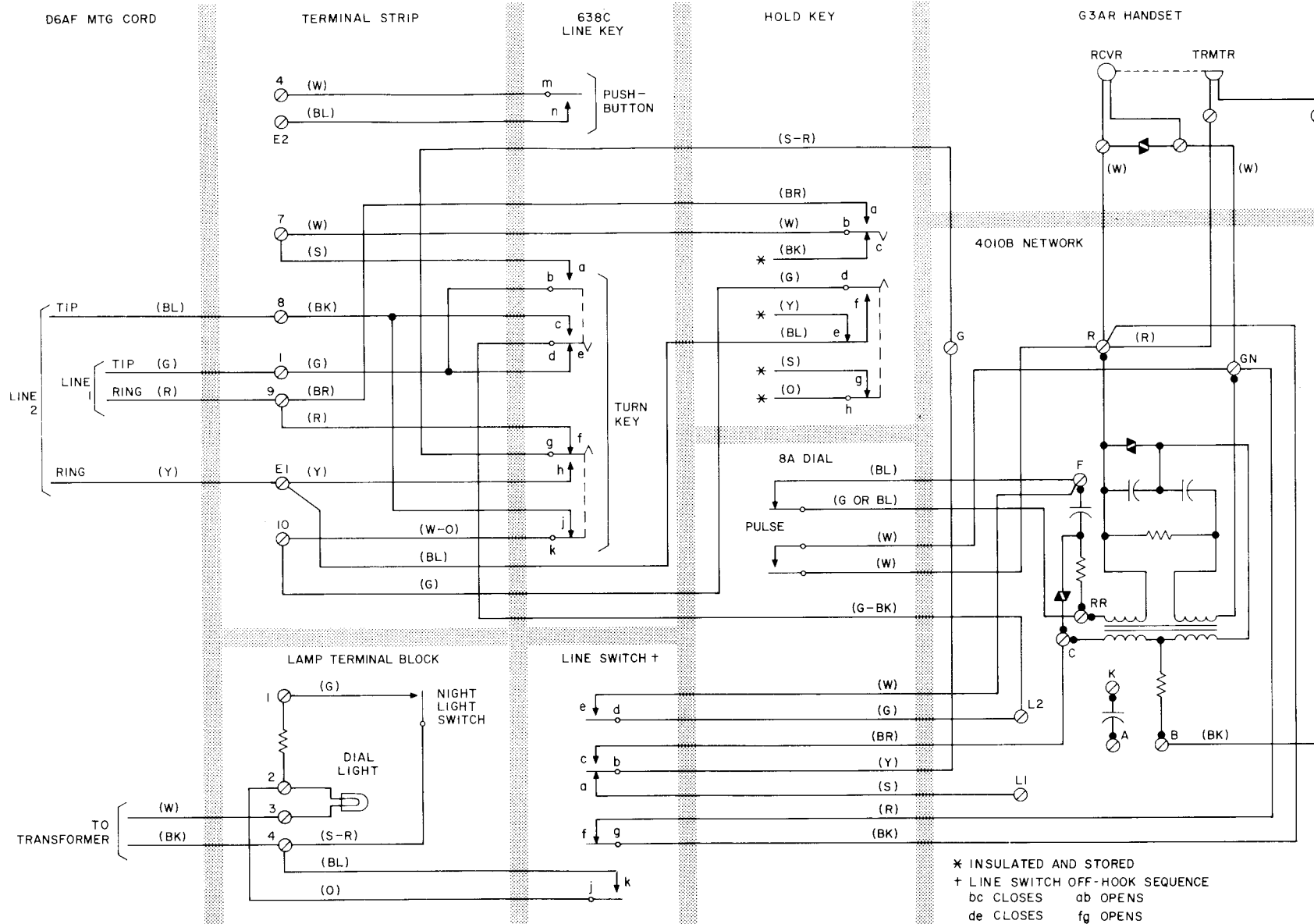


Fig. 13—713B Telephone Set, Factory Wiring