REFERENCE

712B TELEPHONE SETS

EXCLUSION OR HOLD KEY

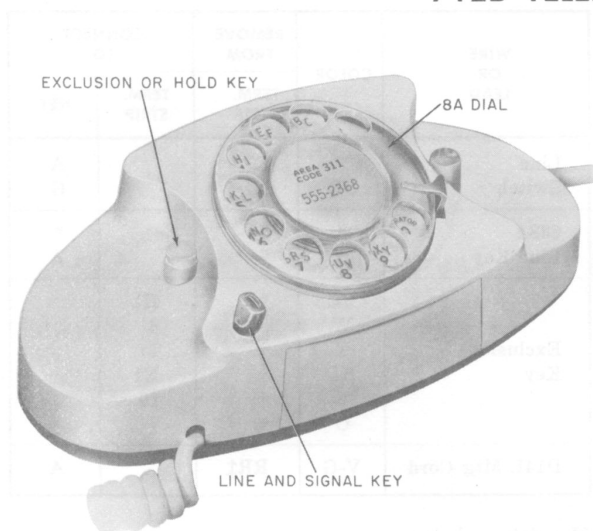8A DIAL

AREA 311
CODE
555-2368

LINE AND SIGNAL KEY

Fig. 1—712B Telephone Set—Without Handset

1. GENERAL

1.01 This section contains identification, installation, maintenance, and connection information for the 712B telephone set. This information was formerly contained in Sections 502-710-101 and 502-710-415 which are hereby canceled.

2. IDENTIFICATION

Ordering Guide

2.01 Set, Telephone, 712B-*

2.02 *Replaceable Components:*

- Cord, Mounting, D14L-*

- Dial, 8A

- Key, 638A (line and signal key)

- KS-19240L2 Dial Lamp Socket

- KS-19387 (GE259) Dial Lamp

- P-26E572 Exclusion Key (Hold)

- P-89H1-* Housing

- Set, Hand, G3AR-*

* Add color suffix, refer to Section 500-120-100 for promoted colors.

2.03 *Associated Apparatus or Equipment (ordered separately):*

- 2012A transformer (dial light)

- E1-Type ringer (when required)

Design Features

2.04 The 712B telephone set (Fig. 1) is equipped with a 638A key for line selection and signaling.

2.05 An exclusion key (hold) is included and is operated by raising the left line switch plunger.

2.06 A ringer is not provided with this set. If a ringer is required, an external (E1-type) must be ordered separately.

2.07 A concealed lamp illuminates the dial when the handset is removed. This lamp also serves as a night light under control of a slide switch located in base at rear of set.

Application

2.08 For use on CO, PBX, or 1A1 and 1A2 key telephone system line circuits.

3. INSTALLATION

3.01 Install sets using standard installation procedures.

3.02 *Dial Light Transformer:* 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. A 2A clamp is available to secure this transformer to the service outlet. Current production transformers have folded-blade prongs for this purpose. 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.*

3.04 *Ringers:* When an external ringer is required, install an E1-type. Set section covering E1-type ringers for connections.

3.05 Jacks and plugs are available for portable installation of these telephone sets. Refer to appropriate section in Division 461 for selection.

4. MAINTENANCE

4.01 Maintenance of the 712B PRINCESS® telephone sets is limited to replacing defective components and burnishing or adjusting line switch contacts.

4.02 Refer to sections covering dials, handsets, cords, ringers, 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.*

TABLE A

MODIFICATION FOR 2-LINE PICKUP, EXCLUSION ON LINE 1, AND SIGNALING (USED WITHOUT 1A1 OR 1A2 KTS)

WIRE OR LEAD	COLOR	REMOVE FROM TERM. STRIP	CONNECT TO TERM. STRIP	NET.
Line	Y	E1		A
Switch	BR	E1		G
638A	S	8		*
Line Key	W	7		A
	BR	1	E1	
	W	3	8	
Exclusion	Y	†	1	
Key	BL	†	E1	
	S	†	10	
	O	†	7	
D14L Mtg Cord	V-G	RR‡		A

*Insulate and store.
†Stored location.
‡Network terminal.

TABLE B

MODIFICATION FOR 1-LINE PICKUP, CUTOFF FEATURE FOR EXTENSION STATION OR EXTERNAL LINE RINGER

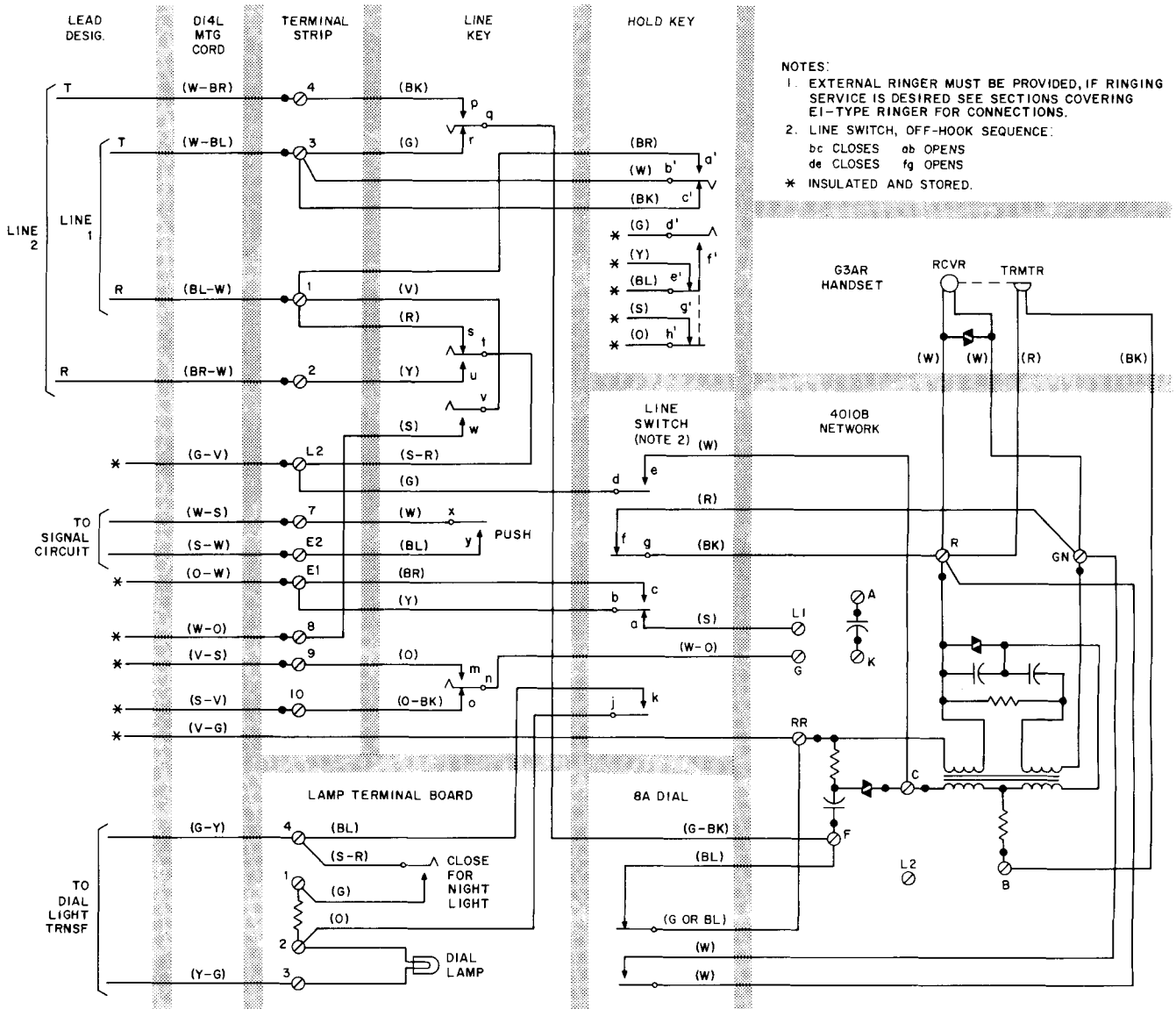| WIRE OR LEAD	COLOR	REMOVE FROM TERM. STRIP	CONNECT TO TERM. STRIP	NET.
Line Switch	BR	E1	8	
Exclusion Key	BR	1		*
638A	R	1		*
Line Key	W-O	G†	E1	
Strap (M1W Cord or equivalent)			3	F

*Insulate and store.
†Network terminal.

Fig. 2—712B Telephone Set Connections, 2-Line Pickup, Hold on Line 1, and Signaling (Factory Wired)
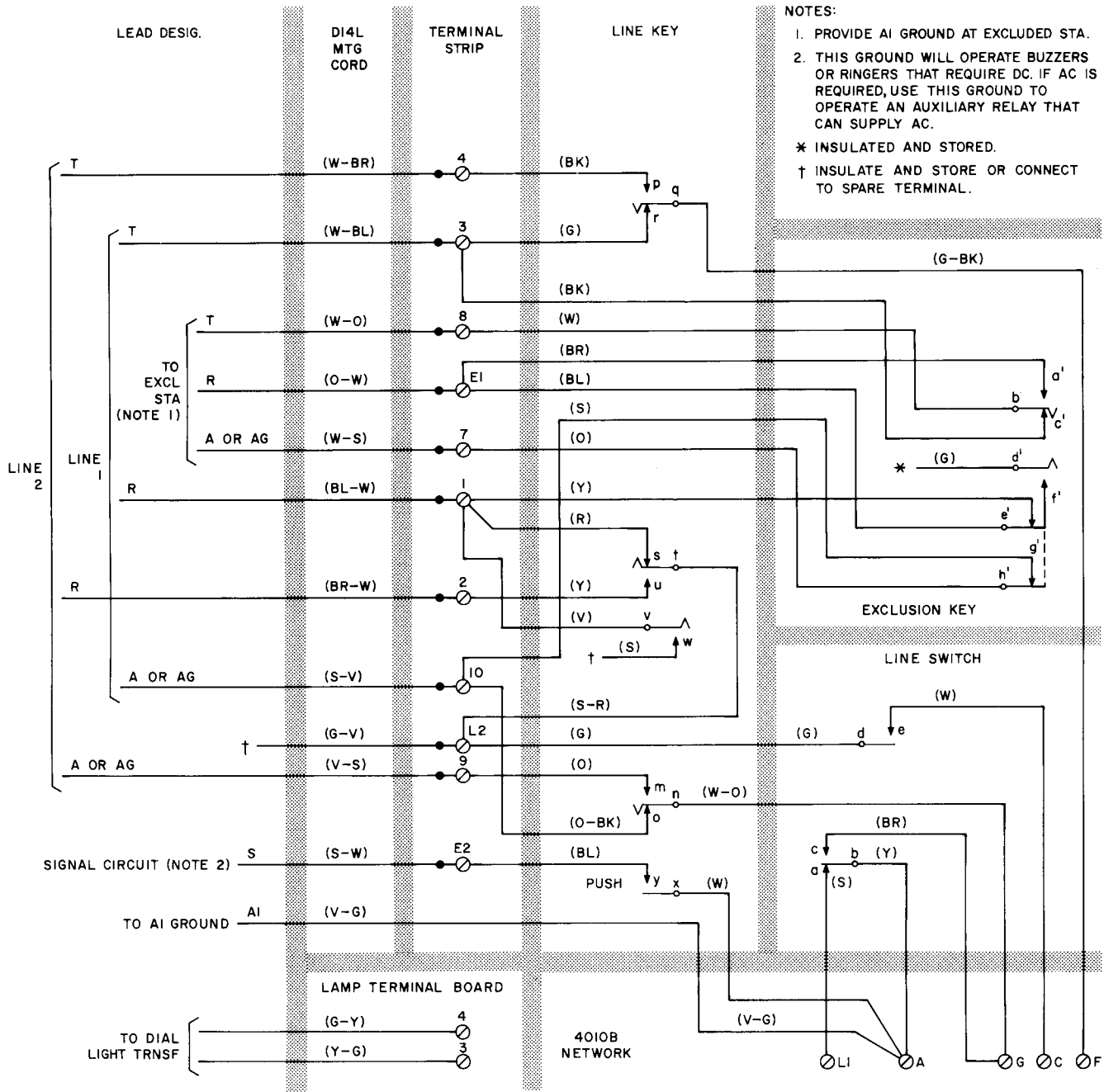
Fig. 3—712B Telephone Set Connections, 2-Line Pickup, Exclusion on Line 1, and Signaling (Used With 1A1 or 1A2 KTS)
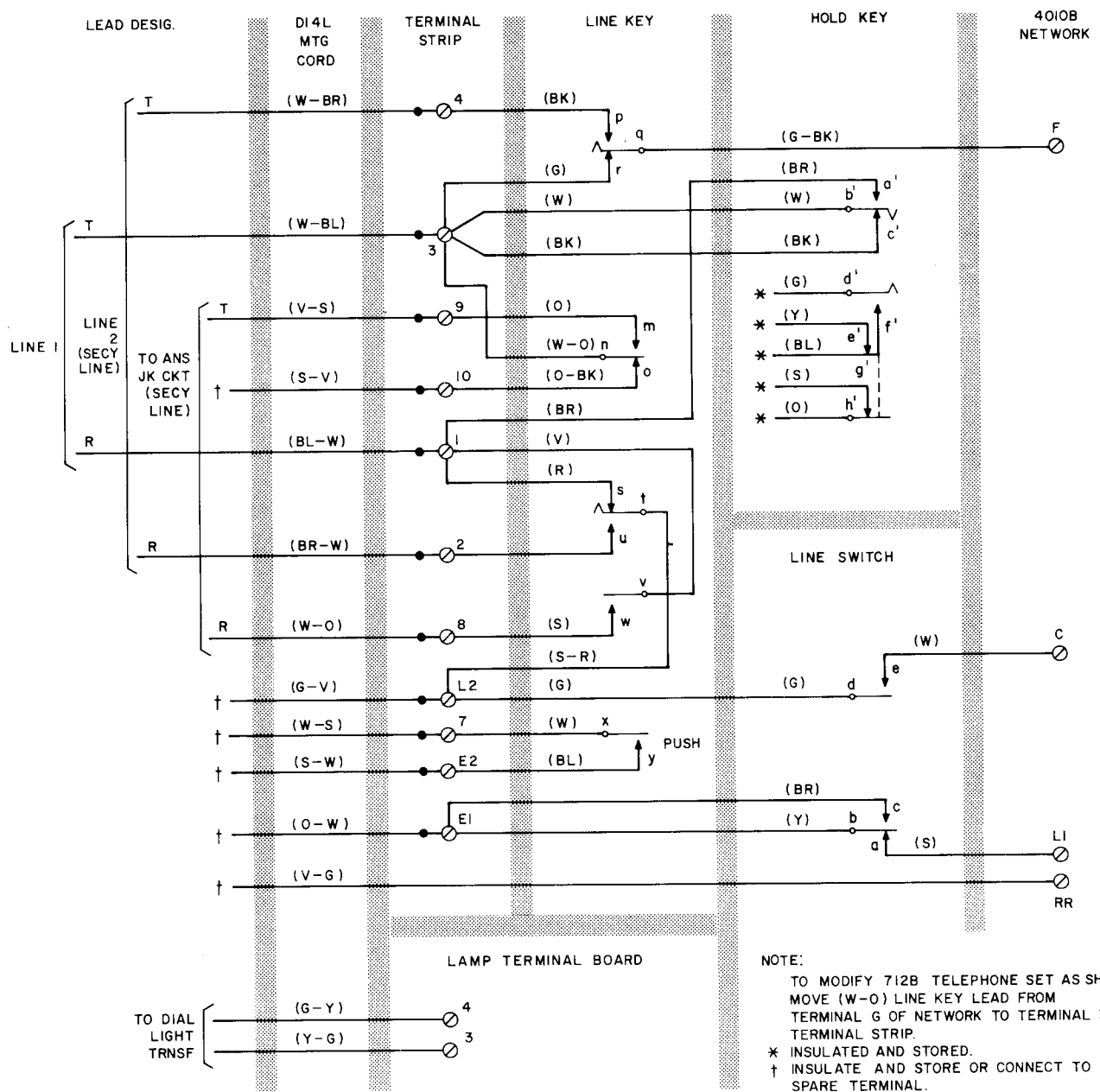
Fig. 4—712B Telephone Set Connections, 1-Line Pickup, Hold, and Secretarial Service (Used Without 1A1 or 1A2 KTS)
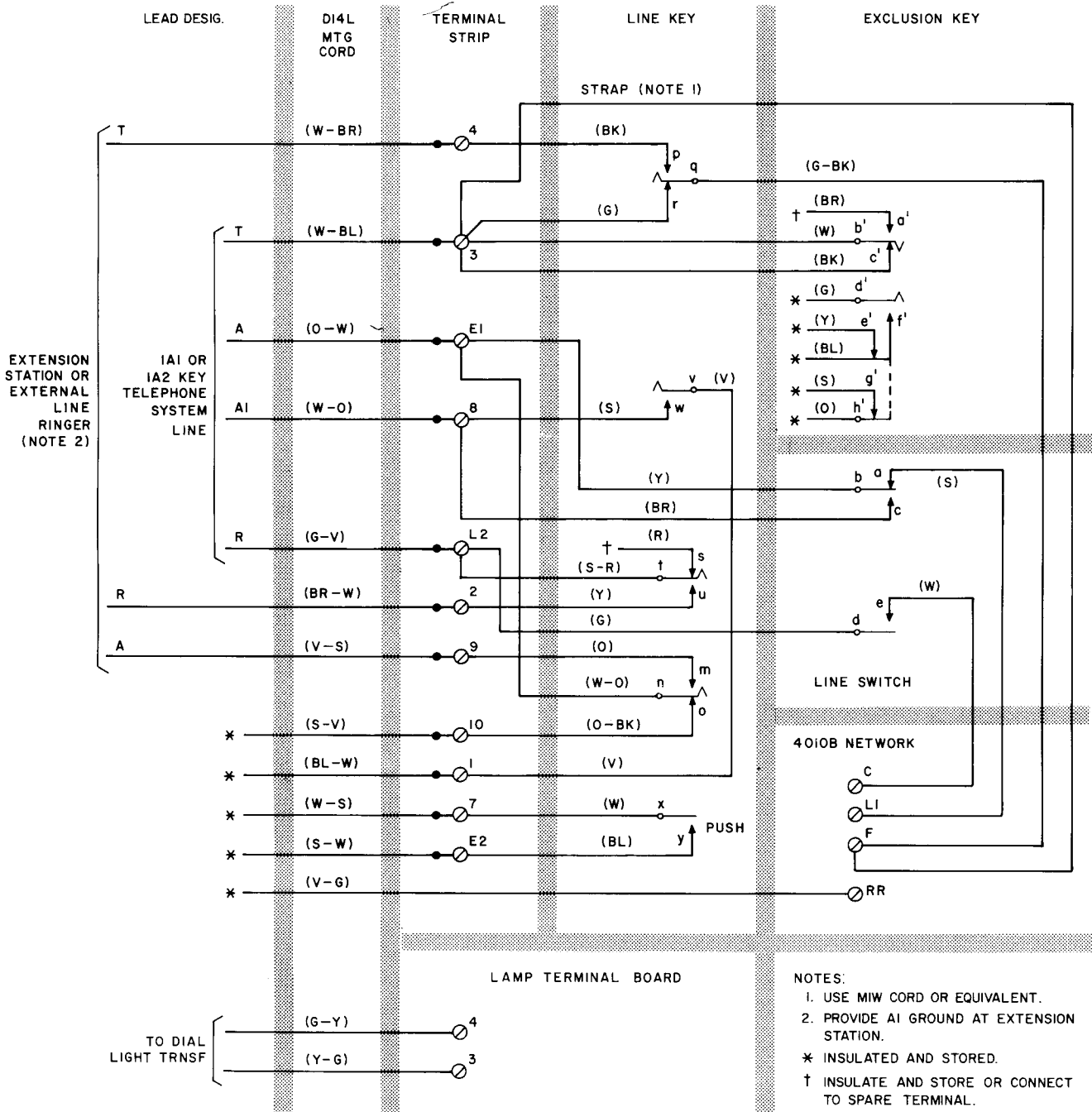
Fig. 5—712B Telephone Set Connections, 1-Line Pickup, Cutoff Feature for Extension Station or External Line Ringer