

TELEPHONE SETS

**TYPE 2511
CONNECTIONS**

1. GENERAL

- 1.01 This practice provides the connections for the type 2511 telephone sets. This set is a desk type instrument, equipped with a touchtone dial and 2 line pickup with exclusion features.
- 1.02 The two types of the 2511 (F or H) are identical except that one (F) is equipped with a D20J mounting cord (spade tipped conductors) and the other (H) is equipped with a D20K mounting cord (plug-ended).

2. CONNECTION INDEX

- 2.01 The following tables and figures provide connection information:
- a. Guard Assembly Connections—Table A.
 - b. Wiring Changes to Provide 1 Line Pickup, Cutoff Extension Station or Extension Line Ringer—Table B.
 - c. Wiring Changes to Provide 2 Line Pickup, Hold on Line 1, and Signaling (Used Without 1A1 or 1A2 KTS)—Table C.
 - d. Wiring Changes to Provide 1 Line Pickup, Hold, and Secretarial Service—Table D.
 - e. 2511F/H Telephone Set Connections, 2 Line Pickup With Exclusion on Line 1, Signaling, and 3 Type Speakerphone (Factory Wired)—Figure 1.
 - f. 2511F/H Telephone Set Connections, 2 Line Pickup With Exclusion on Line 1, Signaling, Wired for 1A1 and 1A2 Key Telephone Systems—Figure 2.
 - g. 2511F/H Telephone Set Connections, 1 Line Pickup, Cutoff Extension Station or Extension Line Ringer—Figure 3.
 - h. 2511F/H Telephone Set Connections, 2 Line Pickup, Hold on Line 1 and Signaling (Used Without 1A1 or 1A2 Key Telephone Systems)—Figure 4.
 - i. 2511F/H Telephone Set Connections, 1 Line Pickup, Hold and Secretarial Service—Figure 5.

3. POLARITY GUARD

- 3.01 Polarity guards should be installed only when instructed by local administrative procedures for end-to-end signaling purposes where battery/ground reversals are encountered.
- a. When a polarity guard is required, order separately as a P-90D052 guard assembly.
 - b. Refer to paragraph 4 for installation information.
 - c. Connect in accordance with Table A.

TABLE A
Guard Assembly Connections

WIRE OR LEAD		REMOVE FROM	CONNECT TO	
		NETWORK	GUARD ASSEMBLY	NETWORK
Dial	BK	RR	T	
	G-W	C	S	
Line Switch	W	C	S	
Guard Assembly	G			RR
	W			C

4. POLARITY GUARD INSTALLATION

4.01 To install polarity guard assembly in desk type sets:

- a. Remove set housing and loosen right-hand dial mounting screw.
- b. Mount guard assembly to the dial upright with the component side of the board oriented to the rear of the set. The bracket is placed under the dial mounting screw with its lip over the top of the dial upright.
- c. Tighten dial mounting screw.
- d. Connect polarity guard in accordance with the appropriate connection practice.
- e. Replace set housing.

4.02 To install polarity guard assembly in wall type sets:

- a. Remove set housing. If set is mounted on wall surface, remove set to gain access to rear of baseplate.
- b. Remove dial but do not disconnect dial leads.
- c. From the rear of the baseplate, place two screws through the holes located below the ringer resonator. Place the guard assembly terminal board over the screws with its components facing the front of the set. Secure using two hex nuts furnished with the guard assembly.
- d. Connect polarity guard in accordance with the appropriate connection practice.
- e. Replace dial.
- f. Replace set (if removed from wall) and replace housing.

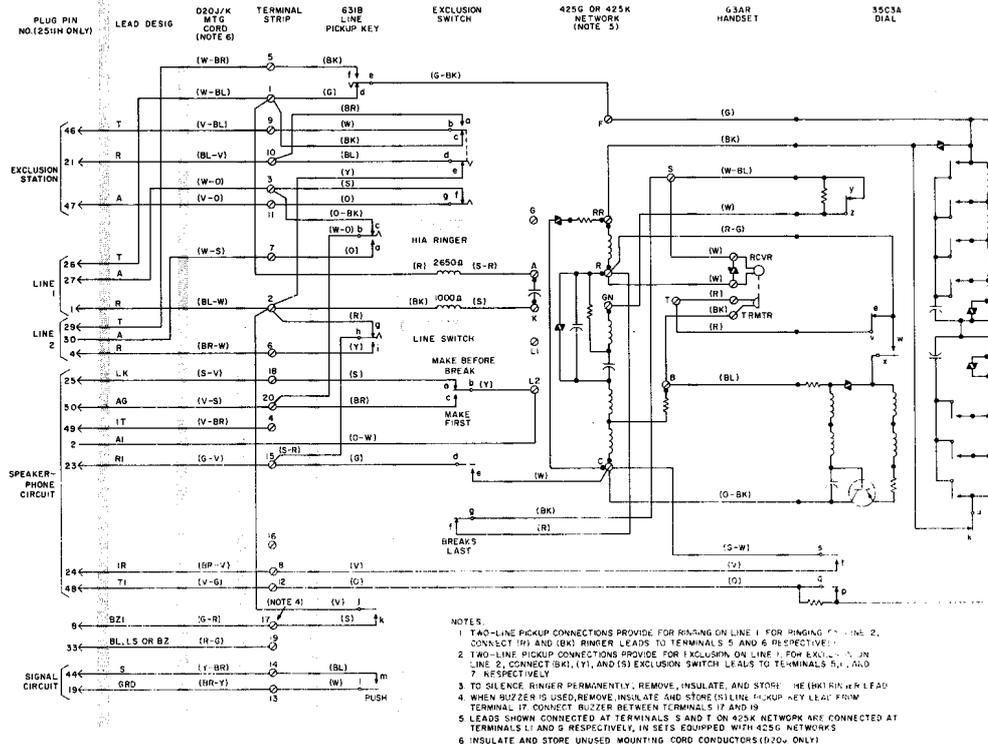


FIGURE 1. 2511F/H Telephone Set Connections, 2 Line Pickup With Exclusion on Line 1, Signaling, and 3 Type Speakerphone (Factory Wired)

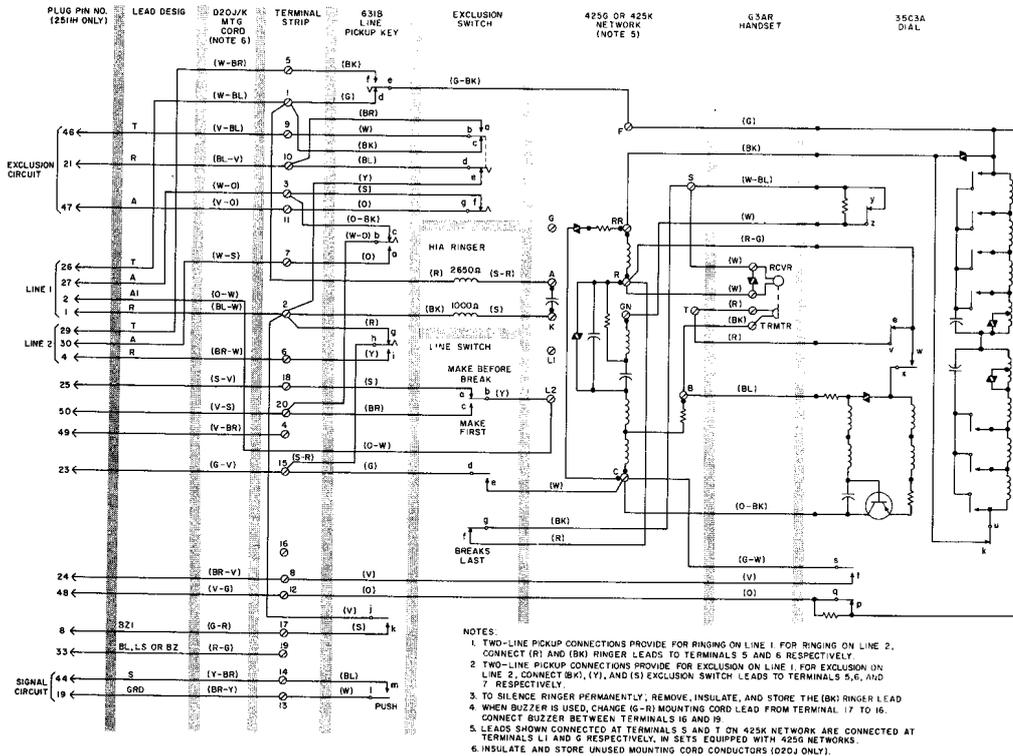


FIGURE 2. 2511F/H Telephone Set Connections, 2 Line Pickup With Exclusion on Line 1, Signaling, Wired For 1A1 and 1A2 Key Telephone Systems

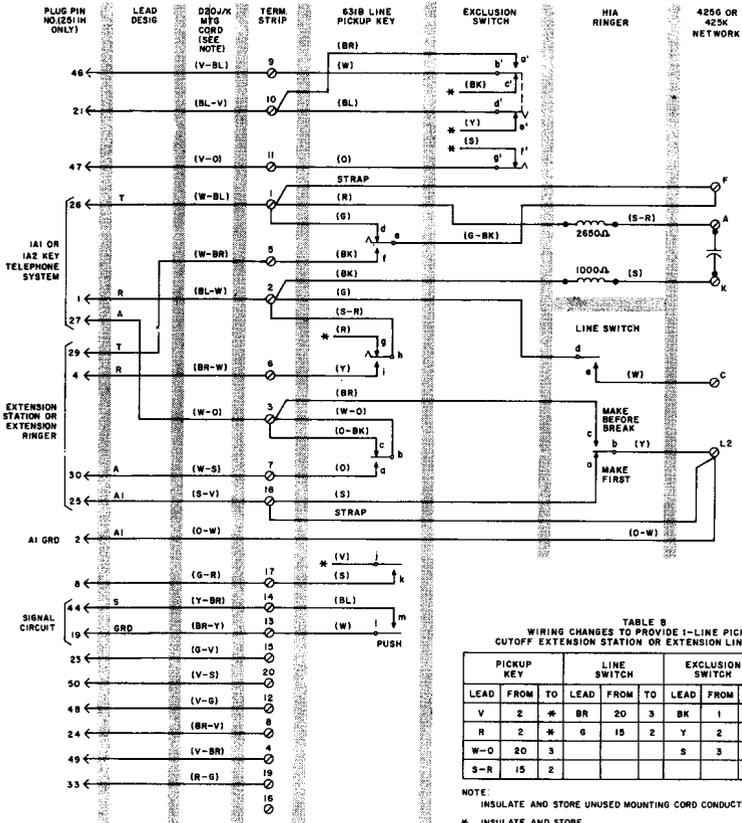


FIGURE 3. 2511F/H Telephone Set Connections, 1 Line Pickup, Cutoff Extension Station or Extension Line Ringer

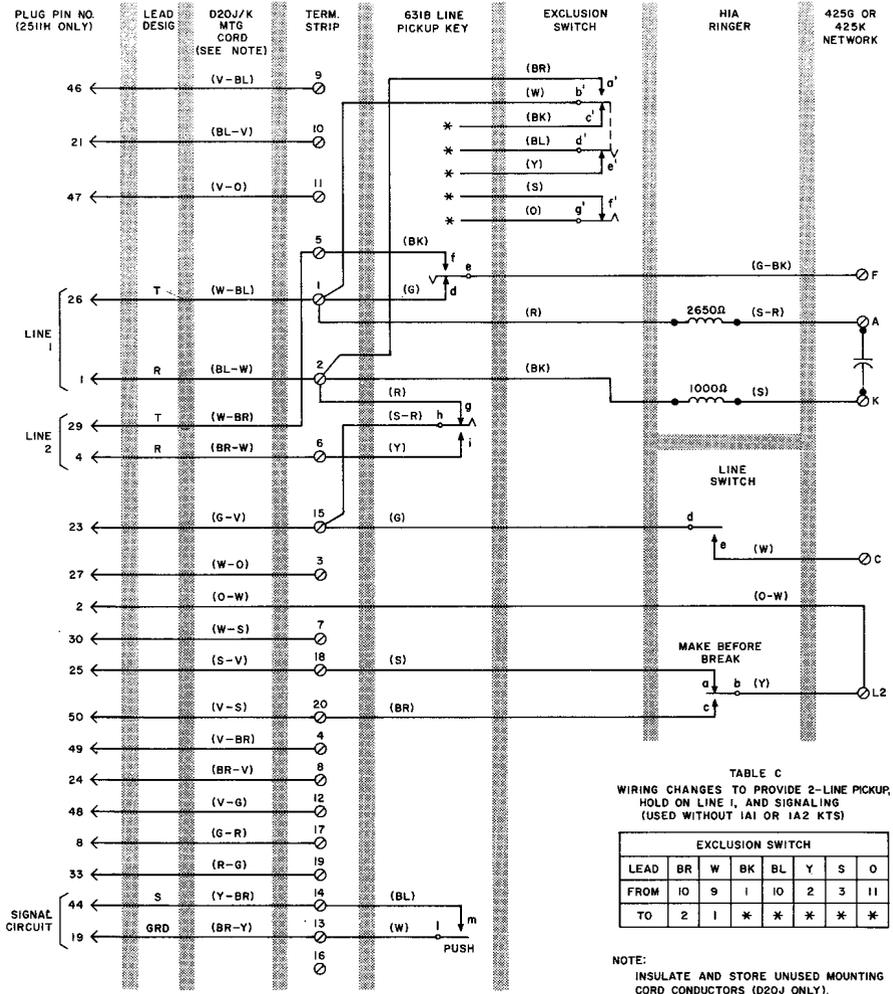


FIGURE 4. 2511F/H Telephone Set Connections, 2 Line Pickup, Hold on Line 1, and Signaling (Used Without 1A1 or 1A2 Key Telephone Systems)

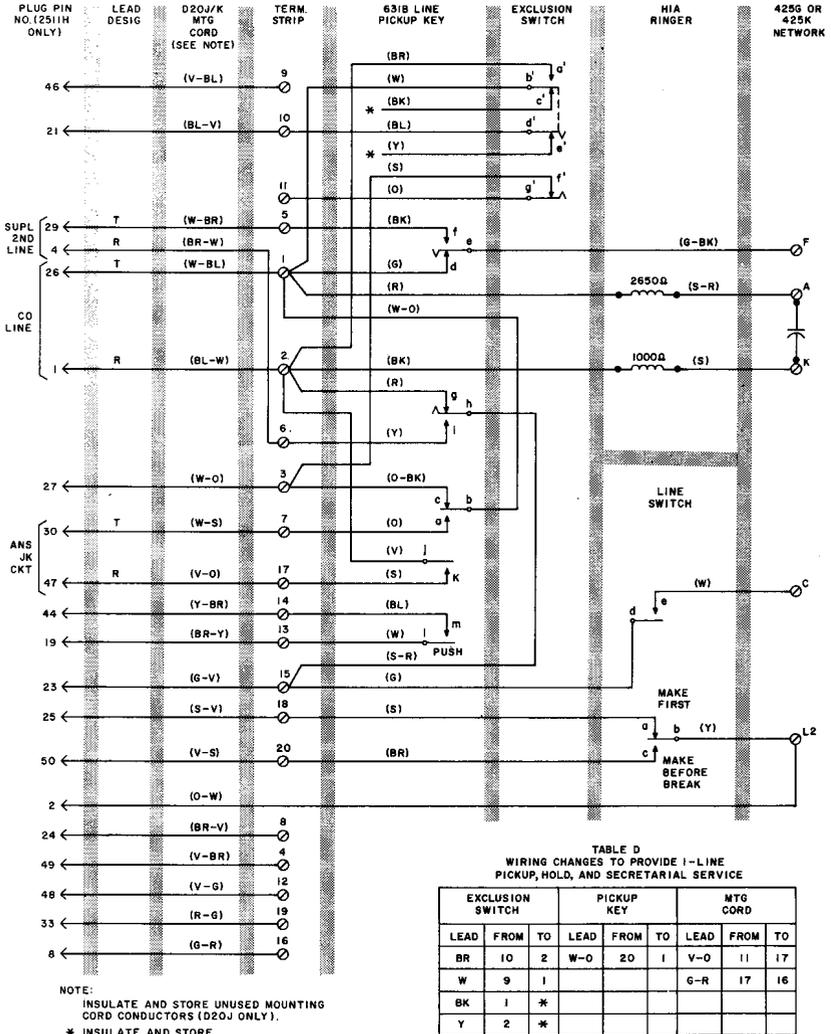


FIGURE 5. 2511F/H Telephone Set Connections, 1 Line Pickup, Hold, and Secretarial Service