

# LEARNING

## SERVICE

### 1510F TELEPHONE SETS

the HARD WAY

#### 1. GENERAL

1.01 Reissued to add nontechnical changes to Fig. 1, 2, and Table A.

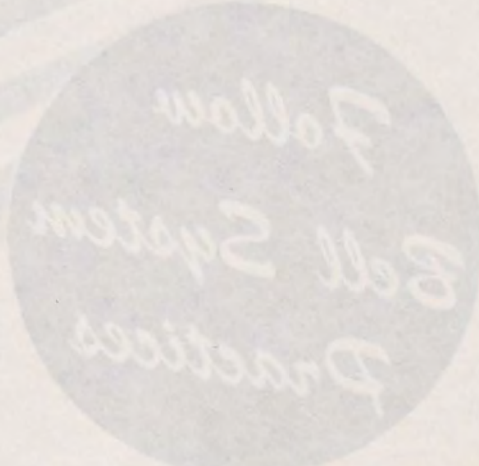
TABLE A  
POLARITY GUARD CONNECTIONS  
(P-90D052 GUARD ASSEMBLY)

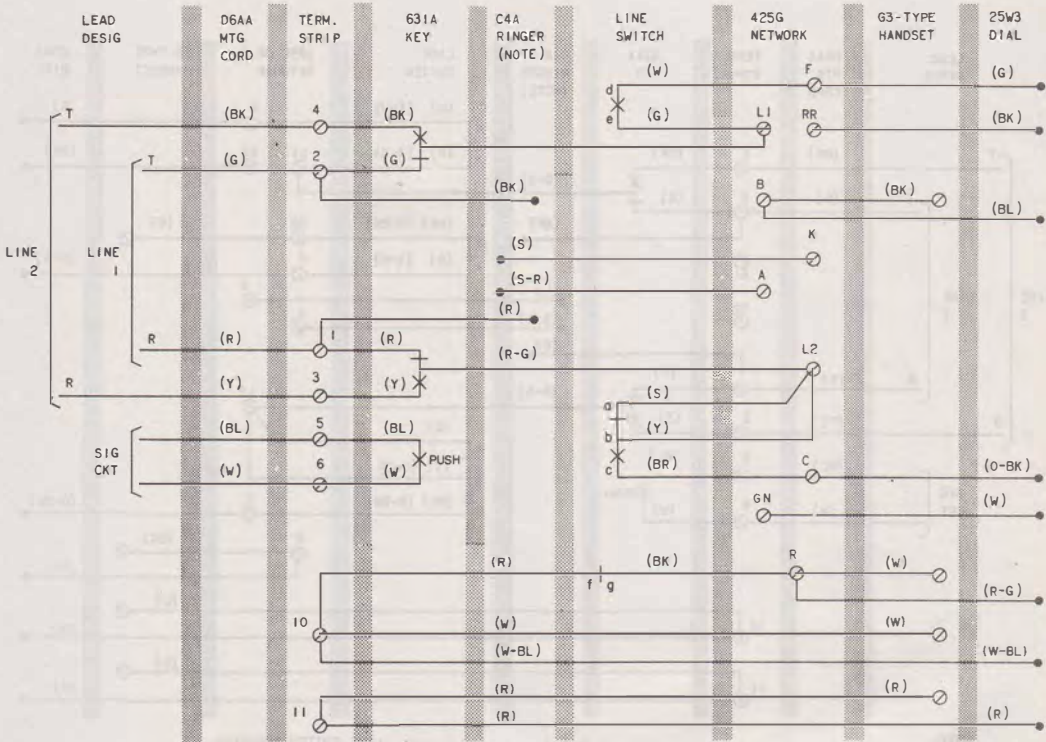
LEAD	COLOR	REMOVE FROM		CONNECT TO	
		NET.	NET.	POLARITY GUARD	
Dial	(BK)	RR			T
Line Switch	(BR) [S-BR]	C			S
Polarity Guard	(G)			RR	
	(W)			C	

*Note:* For use when specified by local instructions for end-to-end signaling installations.

( ) Current color code.

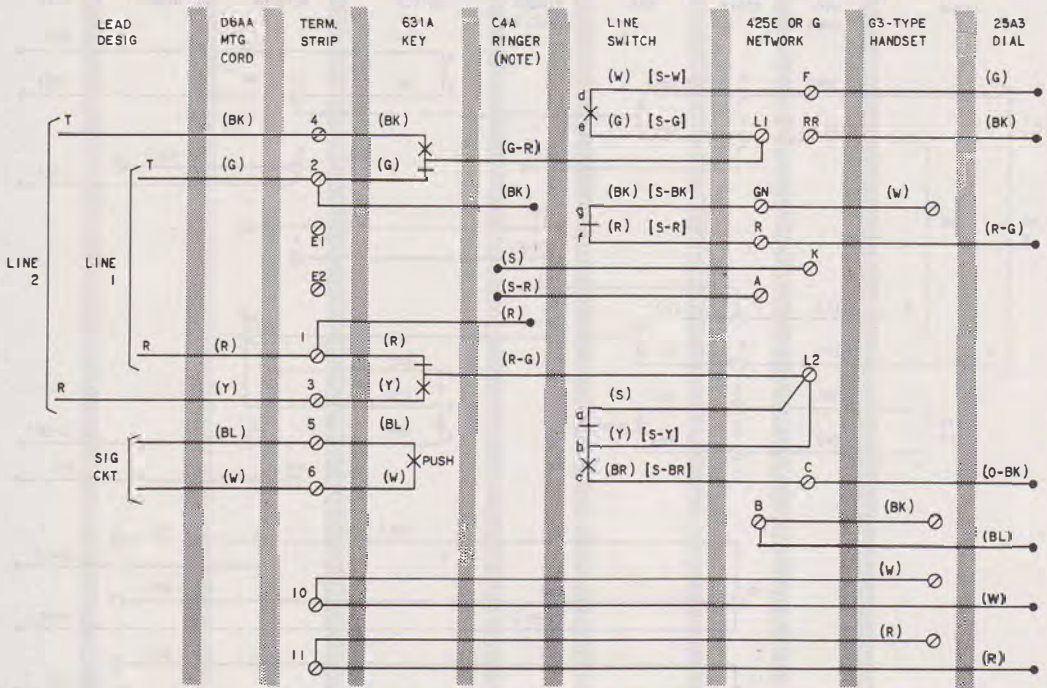
[ ] MD color code.





NOTE:  
 CONNECTIONS SHOWN ARE FOR RINGING ON LINE 1. TO RING ON LINE 2, MOVE (R) AND (BK) RINGER LEADS TO TERMINALS 3 AND 4. TO SILENCE RINGER, CONNECT (BK) TO K TERMINAL.  
 LINE SWITCH SEQUENCE:  
 bc - MAKE  
 de - MAKE  
 ab - BREAK  
 fg - BREAK

Fig. 1—1510F (MD) Telephone Set Connections With 25W3 (MD) Dial, 2-Line Pickup and Signaling



NOTE:  
 CONNECTIONS SHOWN ARE FOR RINGING ON LINE 1. TO RING ON LINE 2,  
 MOVE (R) AND (BK) RINGER LEADS TO TERMINALS 3 AND 4. TO SILENCE  
 RINGER, CONNECT (BK) TO K TERMINAL.  
 ( ) CURRENT COLOR CODE  
 [ ] MD COLOR CODE

LINE SWITCH SEQUENCE:  
 bc - MAKE  
 de - MAKE  
 ob - BREAK  
 fg - BREAK

Fig. 2—1510F (MD) Telephone Set Connections With 25A3 (MD) Dial, 2-Line Pickup and Signaling