

**SUBSCRIBER SETS**  
**689A1, 689C1, 689D1, 689E1, 689A2, 689C2, 689D2, AND 689E2**  
**CONNECTIONS**

**1. GENERAL**

**1.01** This section shows connections for 689-type subscriber sets used with the Model 28 teletypewriter to provide DATA-PHONE service. Suffix 1 indicates sets are used with Model 28 automatic send and receive (ASR) and suffix 2 indicates sets are used with Model 28 keyboard send and receive (KSR) or receive only (RO).

**2. CONNECTION INDEX**

Table A — Wiring Cable

Fig. 1 — 598D Key, Connections

Fig. 2 — 689A1 or 689A2 Subscriber Set, Connections

Fig. 3 — 689C1 or 689C2 Subscriber Set, Connections

Fig. 4 — 689D1 or 689D2 Subscriber Set, Connections

Fig. 5 — 689E1 or 689E2 Subscriber Set, Connections

Fig. 6 — D and L Relay Connections

**2.01** Connection figures in this section pertain to all 689-type subscriber sets used to provide DATA-PHONE service with Model 28 teletypewriters. Table A lists the various set codes indexed to the connection figures applicable for the individual subscriber sets. See Section 502-200-409 for 689-type subscriber set connections for teletypewriter exchange service (TWX).

**2.02** For connections to the associated teletypewriter unit see SD-71023-01.

**2.03** See Section 502-320-103 for wiring diagram of 223-type hand telephone set.

**TABLE A**  
**WIRING GUIDE**

CODE	KEY FIG. 1	SUBSCRIBER SET				RELAY ASSY FIG. 6
		FIG. 2	FIG. 3	FIG. 4	FIG. 5	
689A1	•	•				•
689A2	•	•				
689C1	•		•			•
689C2	•		•			
689D1	•			•		•
689D2	•			•		
689E1	•				•	•
689E2	•				•	

SECTION 502-200-410

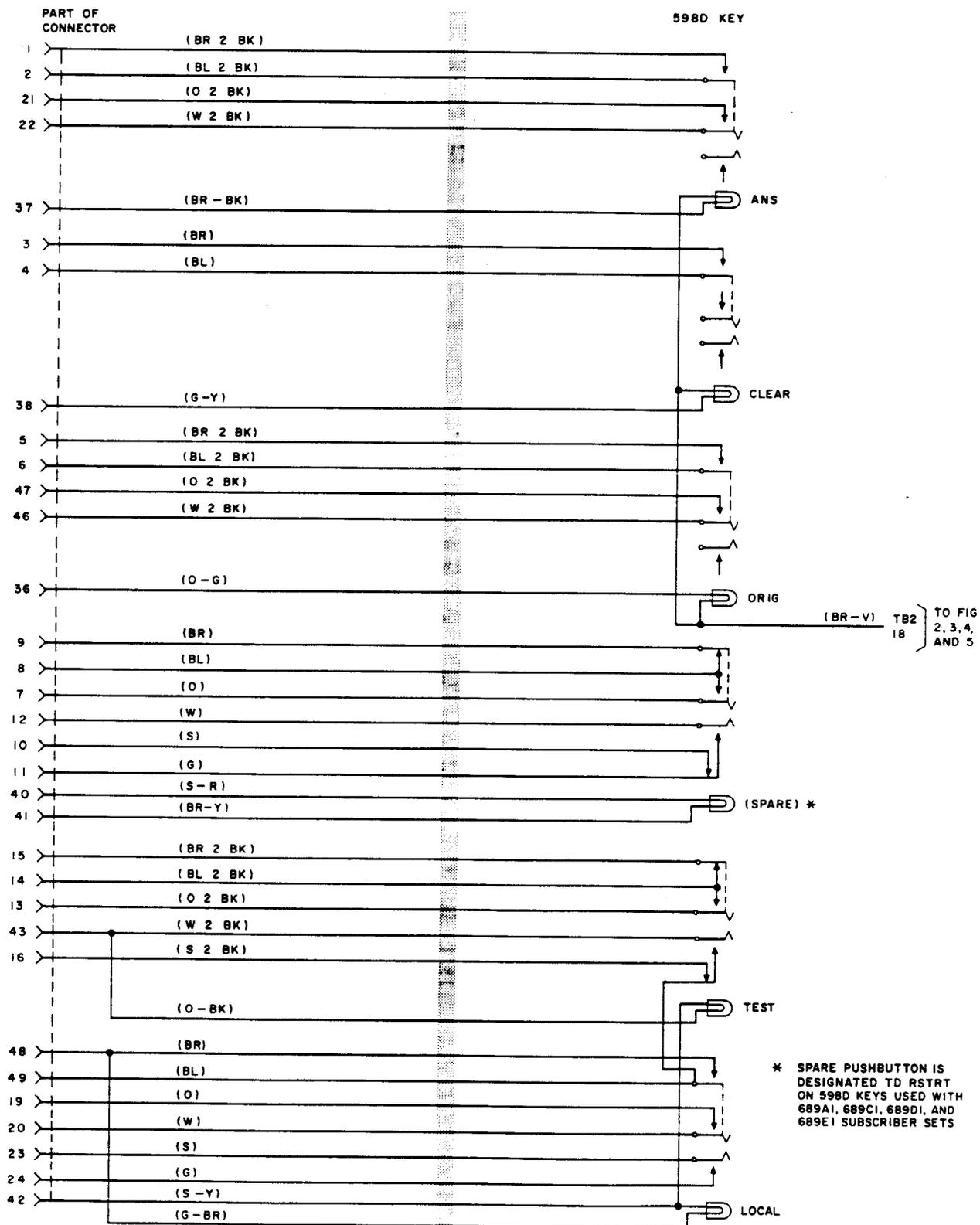


Fig. 1 — 598D Key, Connections





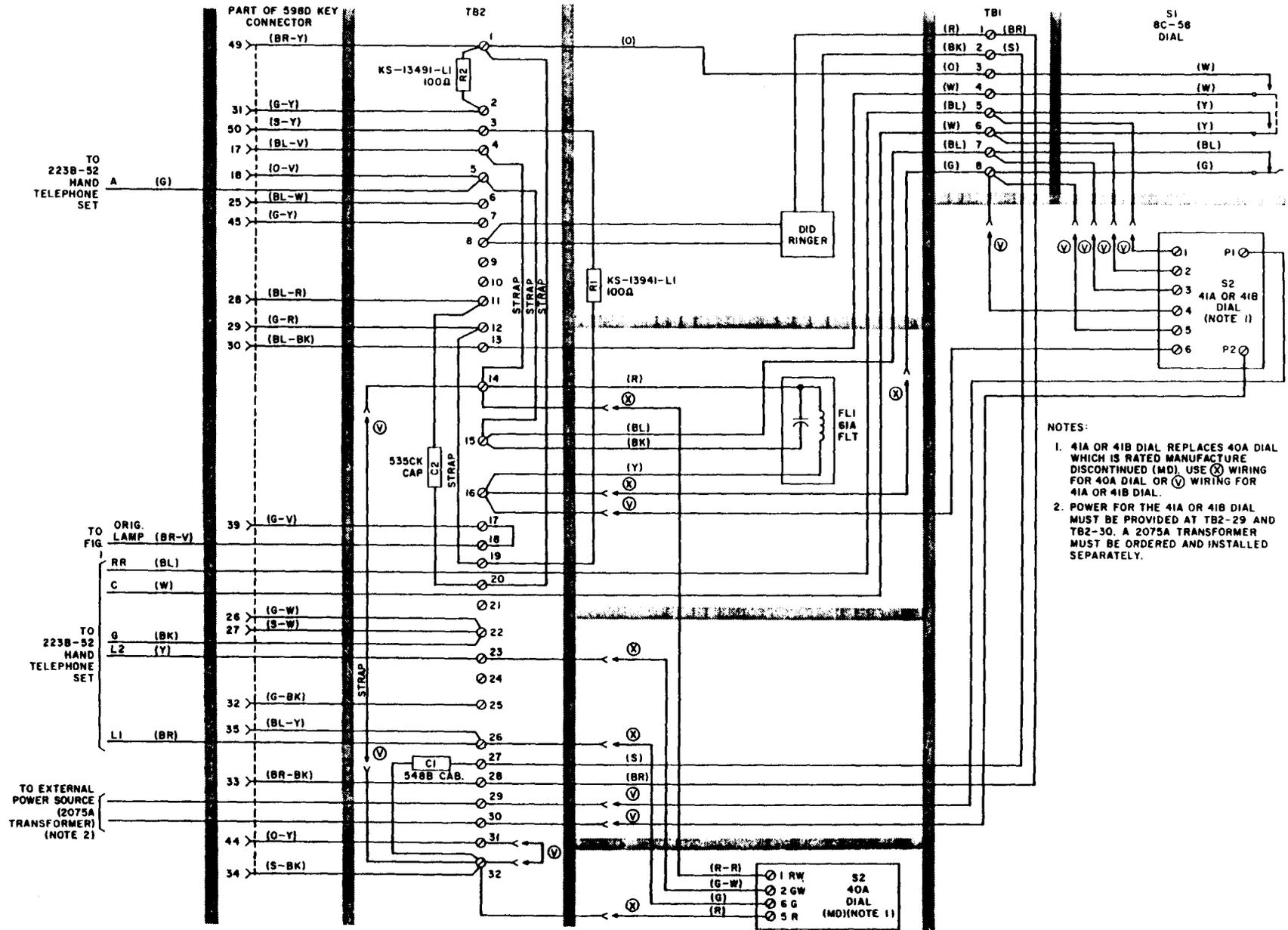
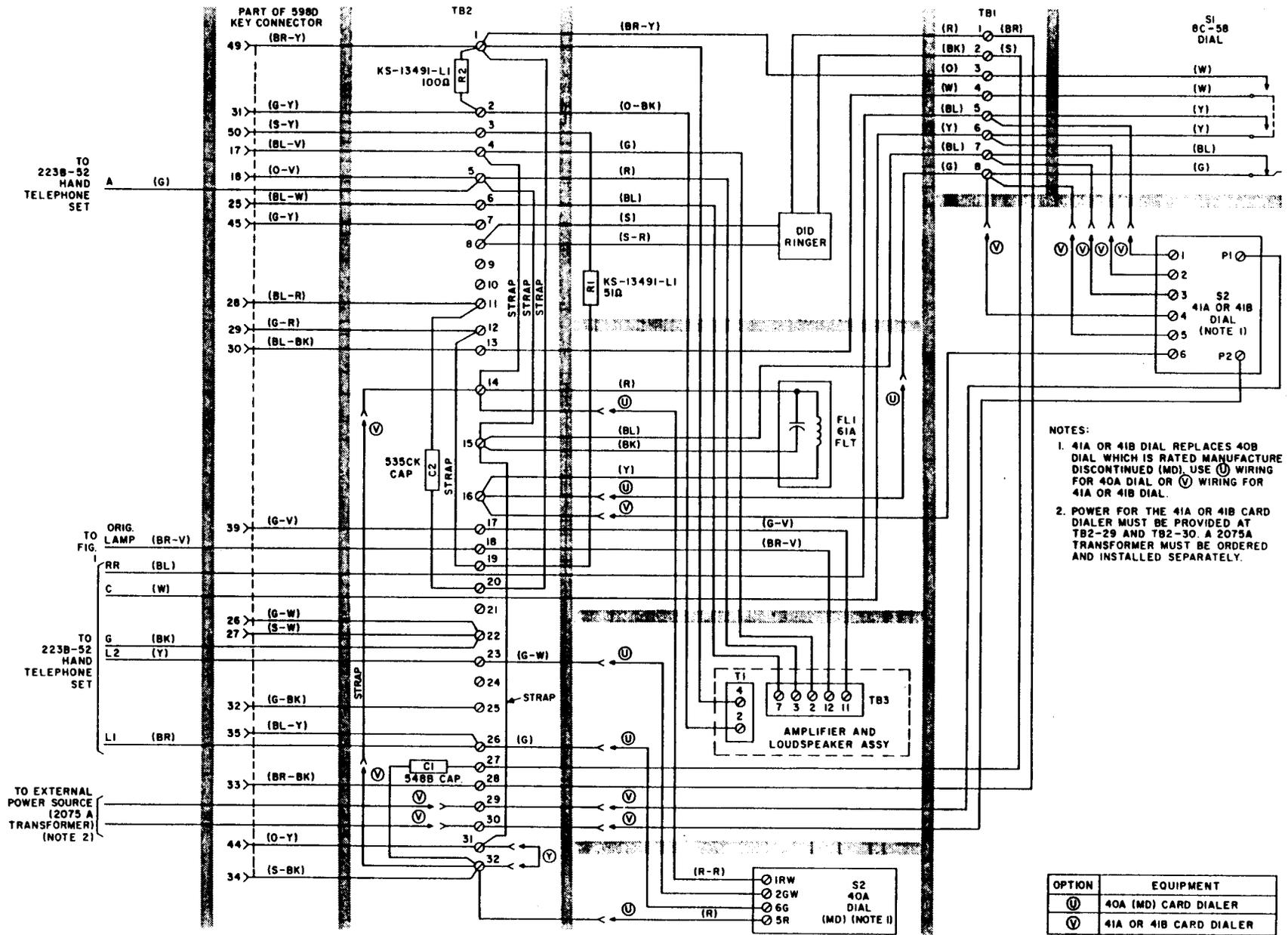


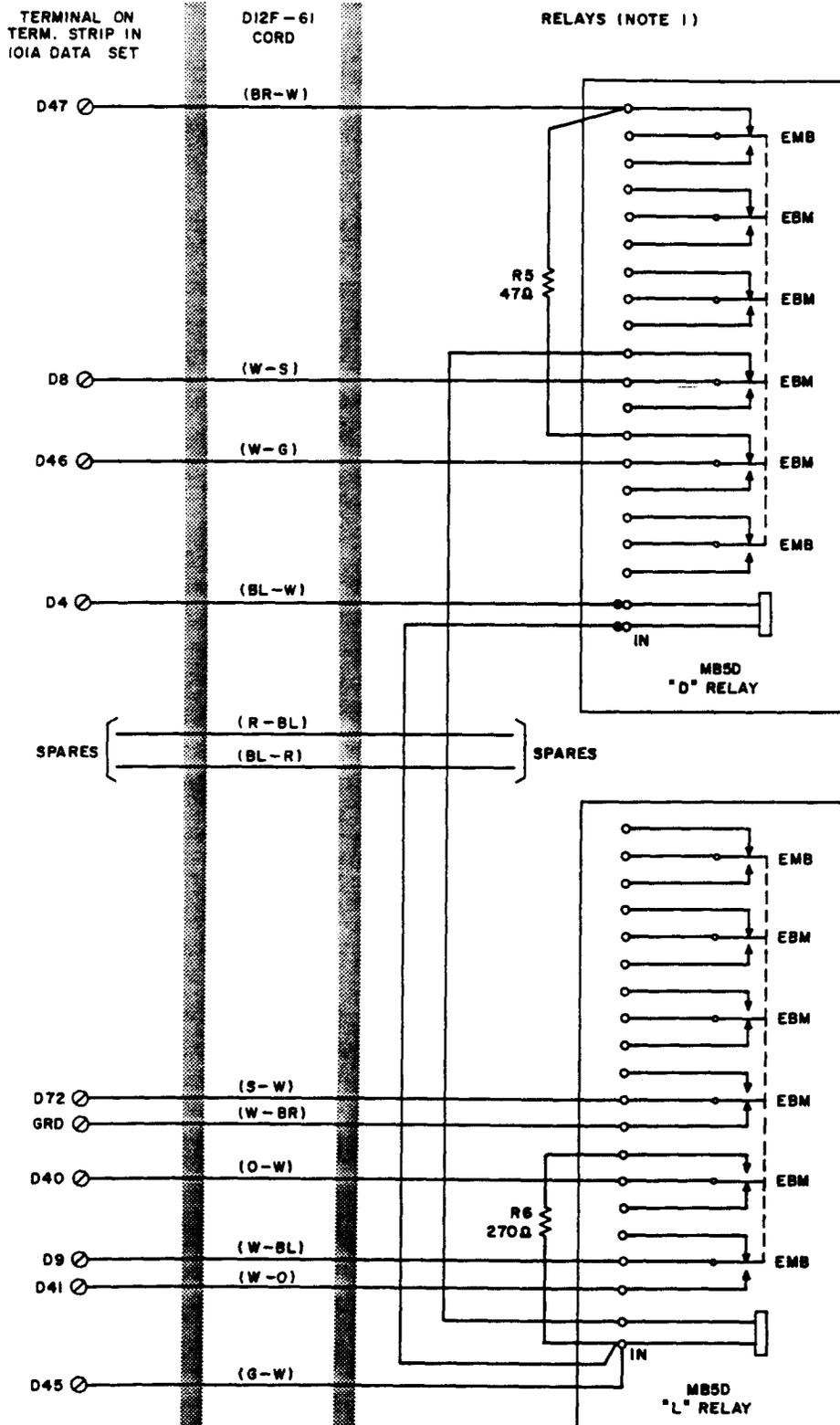
Fig. 4 — 689D1 or 689D2 Subscriber Set, Connections



- NOTES:
1. 41A OR 41B DIAL REPLACES 40B DIAL WHICH IS RATED MANUFACTURE DISCONTINUED (MD). USE (U) WIRING FOR 40A DIAL OR (V) WIRING FOR 41A OR 41B DIAL.
  2. POWER FOR THE 41A OR 41B CARD DIALER MUST BE PROVIDED AT TB2-29 AND TB2-30. A 2075A TRANSFORMER MUST BE ORDERED AND INSTALLED SEPARATELY.

OPTION	EQUIPMENT
(U)	40A (MD) CARD DIALER
(V)	41A OR 41B CARD DIALER

Fig. 5 — 689E1 or 689E2 Subscriber Set, Connections



NOTES:

1. D AND L RELAYS ARE MOUNTED IN REAR OF 689 - TYPE SUBSCRIBER SETS USED WITH 28 ASR TELETYPEWRITER CONTROL CIRCUITS.
2. SEE SD-71023 FOR CONNECTIONS TO IOIA DATA SET.

Fig. 6—D and L Relay Connections