

## SPEAKERPHONE SYSTEM — 3-TYPE 211N/P HAND TELEPHONE SET CONNECTIONS AND MAINTENANCE

### 1. GENERAL

**1.01** These sets are intended for use with the 685A subscriber set in the 3-type speakerphone system. They may be used in key telephone systems and for all classes of service except as tip-party stations requiring identifying ground.

**1.02** This section replaces the speakerphone connection information shown in Section 502-200-404, Issue 8 and contains speakerphone connection information formerly found in Section 512-620-401, Issue 3.

### 2. CONNECTIONS

**2.01** Modify the 685A subscriber set wiring as shown in Table A.

**2.02** The 211N/P hand telephone set and 685A subscriber set, as wired for use with 3-type speakerphone, and ringer connections are shown in Fig. 1, 2, and Table B. Connections to the 3-type speakerphone system are shown in Fig. 3.

Fig. 1 — 211P Hand Telephone Set and 685A Subscriber Set Wired for Use With 3-Type Speakerphone

Fig. 2 — 211N Hand Telephone Set and 685A Subscriber Set Wired for Use With 3-Type Speakerphone

Fig. 3 — 211N/P Hand Telephone Set With 685A Subscriber Set — Speakerphone Connections

TABLE B

RINGER CONNECTIONS

CLASS OF SERVICE	RINGER LEAD	
	(R)	(BK)
Bridged Ringer	L2	L1
Ring Party	L2	G
Tip Party (Without Iden.)	L1	G
Ringer Silenced	*	L1

\* Insulate and store.

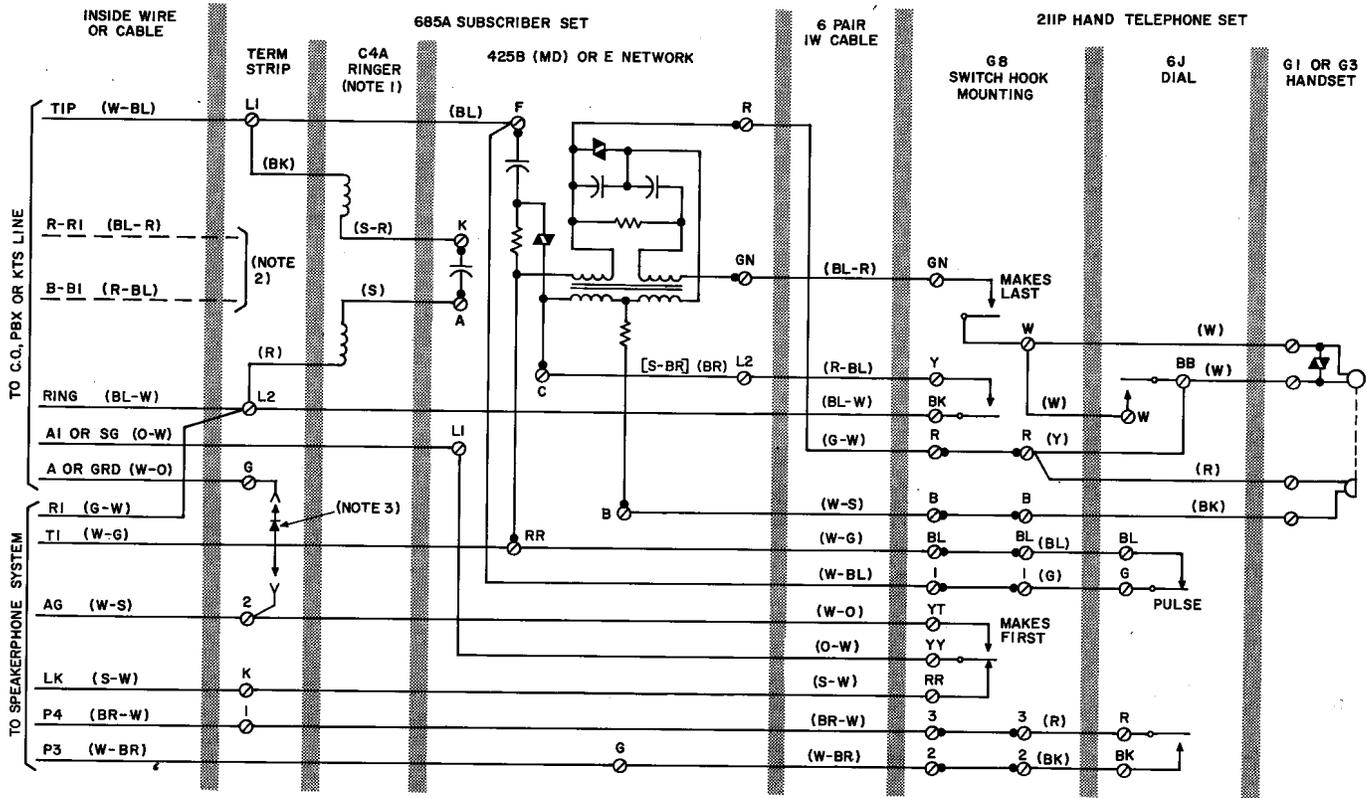
### 3. MAINTENANCE

**3.01** Refer to the appropriate sections in Division 502 for maintenance information for the 211N/P hand telephone set and 685A subscriber set. See Section 512-620-200 for maintenance of speakerphone components used with this set.

TABLE A

685A SUBSCRIBER SET MODIFICATIONS

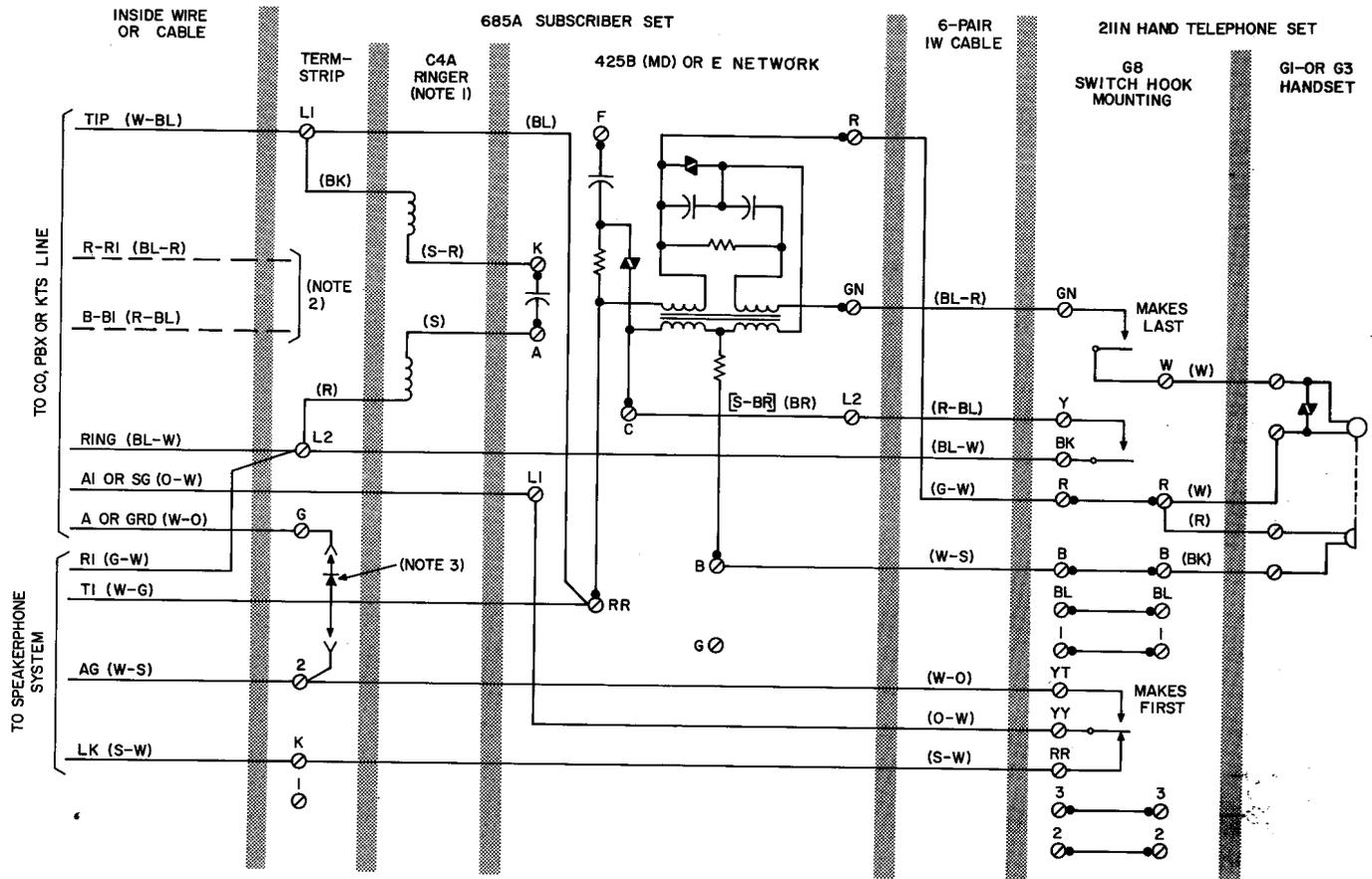
LEAD		WITH 211N HAND TEL SET (MANUAL SERVICE)		WITH 211P HAND TEL SET (DIAL SERVICE)	
		REMOVE FROM	CONNECT TO	REMOVE FROM	CONNECT TO
Ringer	(S-R)	1	A of Net.	1	A of Net.
Straps	(BL)	2 1 and A of Net.	L2 of Net.	RR of Net.	F of Net.
	(BR) [S-BR] (BR-Y)			2 1 and A of Net.	L2 of Net.



NOTES:

1. NO MESSAGE RATE OR TIP-PARTY IDENTIFICATION CAN BE PROVIDED FOR TIP-PARTY STATION.
2. WHEN NECESSARY, (BL-R) / (R-BL) LEADS MAY BE CONNECTED FOR COMMON AUDIBLE SIGNAL (USE D-161488 CONNECTORS IF REQUIRED.)
3. WHEN "A" LEAD CONTROL IS REQUIRED FOR KTS OPERATION, CONNECT KS-15724, LI DIODE BETWEEN TERMINALS 2 AND G AS SHOWN. CONNECT "A" LEAD TO KTS AS REQUIRED.
4. FOR PARTY LINE SERVICE CONNECT TERMINAL G (685A SUB SET) TO GROUND.

Fig. 1 — 211P Hand Telephone Set and 685A Subscriber Set Wired for Use With 3-Type Speakerphone



NOTES:

1. NO MESSAGE RATE OR TIP-PARTY IDENTIFICATION CAN BE PROVIDED FOR TIP-PARTY STATION.
2. WHEN NECESSARY (BL-R)/(R-BL) LEADS MAY BE CONNECTED FOR COMMON AUDIBLE SIGNAL.
3. WHEN "A" LEAD CONTROL IS REQUIRED FOR KTS OPERATION, CONNECT KS-15724, L1 DIODE BETWEEN TERMINALS 2 AND G AS SHOWN. CONNECT "A" LEAD TO KTS AS REQUIRED.
4. FOR PARTY LINE SERVICE CONNECT TERMINAL G (685A SUB SET) TO GROUND.

Fig. 2 — 211N Hand Telephone Set and 685A Subscriber Set Wired for Use With 3-Type Speakerphone

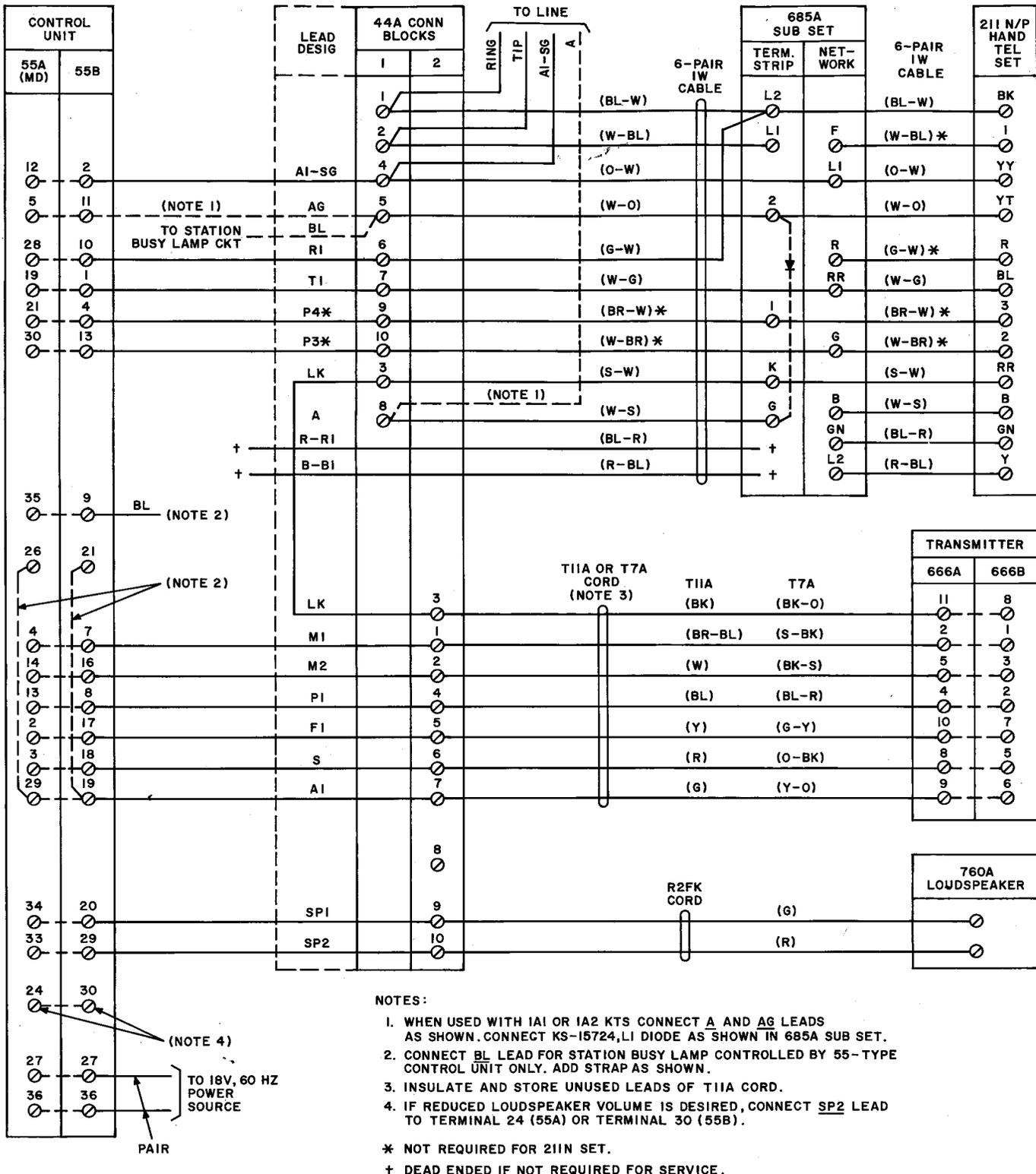


Fig. 3 — 211N/P Hand Telephone Set With 685A Subscriber Set — Speakerphone Connections