

## SERVICE

### 2634DA, 2634DAM, 2635DA, AND 2635DAM TELEPHONE SETS

#### 1. GENERAL

**1.01** This section contains connection and maintenance information for 2634DA or DAM (18-button) and 2635DA or DAM (30-button) CALL DIRECTOR® telephone sets.

**1.02** This section is reissued to:

- Add information on 2634DAM and 2635DAM (modular) telephone sets.
- Add comcode numbers.

**1.03** Current nonmodular 2634DA and 2635DA telephone sets are furnished from the factory equipped with a G3A6 handset and cord. Modular 2634DAM and 2635DAM telephone sets are equipped with a G15A handset H4DU handset cord, and 616E jack assembly (Fig. 1).

#### 2. CONNECTIONS

**2.01** These sets are factory-wired for use with 1A1, 1A2, or 6A KTS station line concentrators. Refer to Division 518 for connections using 235- or 236-type key telephone units.

**2.02** A 235-type KTU is associated with each 2634-type telephone set and a 236-type KTU with each 2635-type telephone set. Because of the single common talking and control lead pattern in these sets, a line concentrator KTU must be associated with each telephone set installed and cannot be shared, even on a bridged station basis.

**2.03** The 2634DA or DAM and 2635DA or DAM sets are equipped with a 635A5C key (5-line pickup and hold) key in the first module position. This may be replaced with a 635AD5C (4-line pickup, cutoff, and hold) key. Contact strip assemblies differ between the two keys. If ordered for field replacement, the 635AD5C is furnished with a piggy-back adapter, in the cut off key

position, for storing the slate mounting cord plug associated with the fifth line. The necessary contact strip assemblies (840151039 and 840151047) will be shipped with the 635AD5C and will replace the 840151120 and 840151138 assemblies supplied with the 635A5C key.

**2.04** Because of the physical arrangement of the 635-type key, the contact strips do not extend to the chaining switch. This requires additional A1 leads to each module (except the last), to extend A lead control.

**2.05** Mounting cords of these CALL DIRECTOR sets terminate in individual plugs connected to the rear of the keys. This permits rearrangement of line appearances either in the set or at the key equipment distribution point. Current production sets are equipped with a satin-silver (-87) mounting cord.

**2.06** All line key positions are convertible from pickup (locking) to signaling (nonlocking). To convert a key position to signaling, remove the #812857738 or P-28E773 screw detail from the key position involved and place 840157671 insulating details over the two key contacts adjacent to the plunger (refer to Section 512-230-101). Make necessary wiring changes as shown in Table A for 2634DA or DAM and Table B for 2635DA or DAM.

**Note:** If more than six signaling keys are required, replace 635G5C key in last module with a 658A key.

**2.07** The 2634DA or DAM and 2635DA or DAM telephone sets are factory equipped with a KS-20419L1 (10 volt ac only) buzzer.

**2.08** For 3-type speakerphone operation, a 679A transmitter may be installed in 3rd (2634DA or DAM) or 5th (2635DA or DAM) module. For necessary wiring changes and connections, see Table C and Fig. 4.

#### NOTICE

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**2.09** For use with 4-type speakerphone, refer to Section 512-730-400.

**2.10** When required, these sets may be equipped with a polarity guard. Polarity guards should be installed only when specified by local instructions for end-to-end signaling purposes when battery and ground reversals are encountered. A P-819041971 or P-90D197 guard assembly must be separately ordered and connected as shown in Table D.

**3. MAINTENANCE**

**3.01** For maintenance information, refer to Division 502, section entitled 630, 1630, and 2630 Series Telephone Sets—Common Installation and Maintenance Information. Individual components such as dials, keys, ringer, etc., are covered in sections located in Division 501.

**3.02** *Do not use solvents to clean plastic parts of these sets.* Use a damp cloth only. If discolored, replace part.

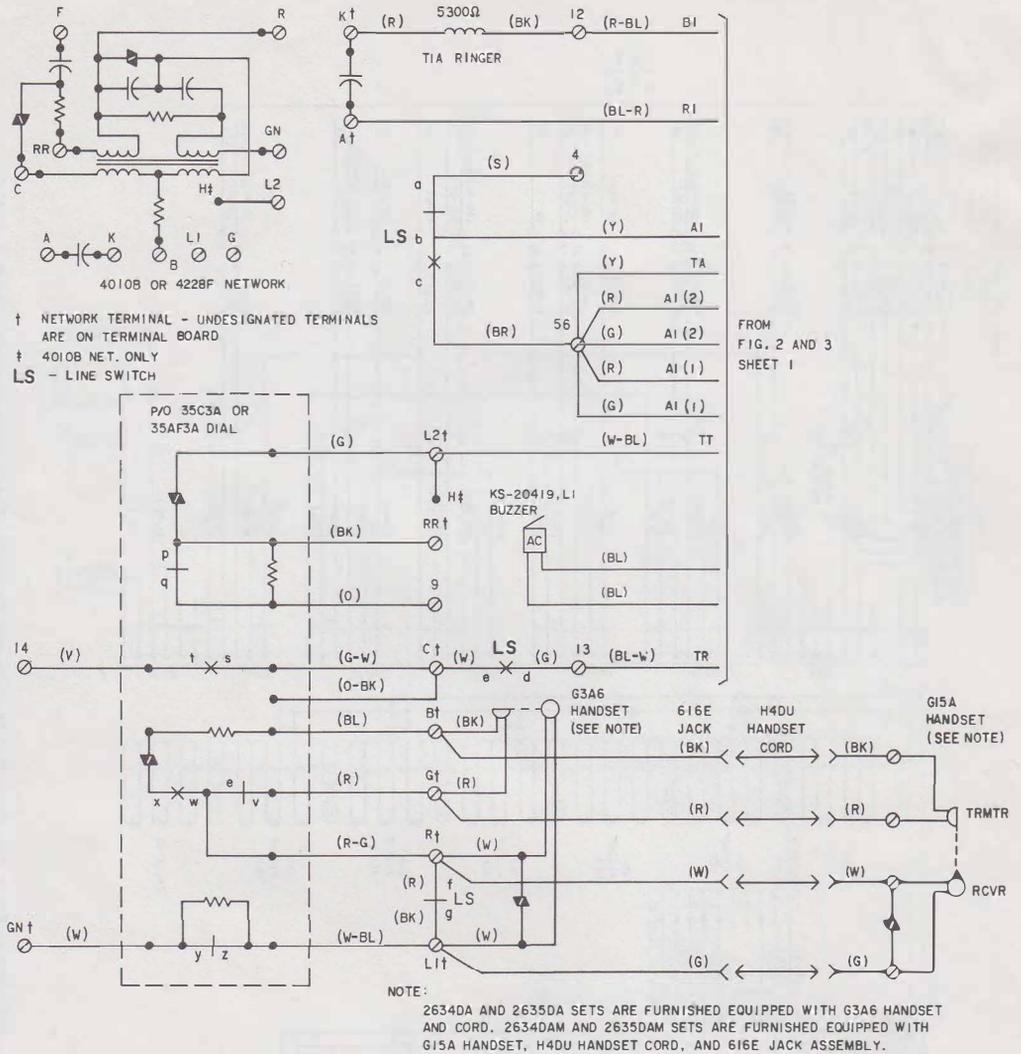


Fig. 1—2634DA or DAM and 2635DA or DAM Telephone Set Connections



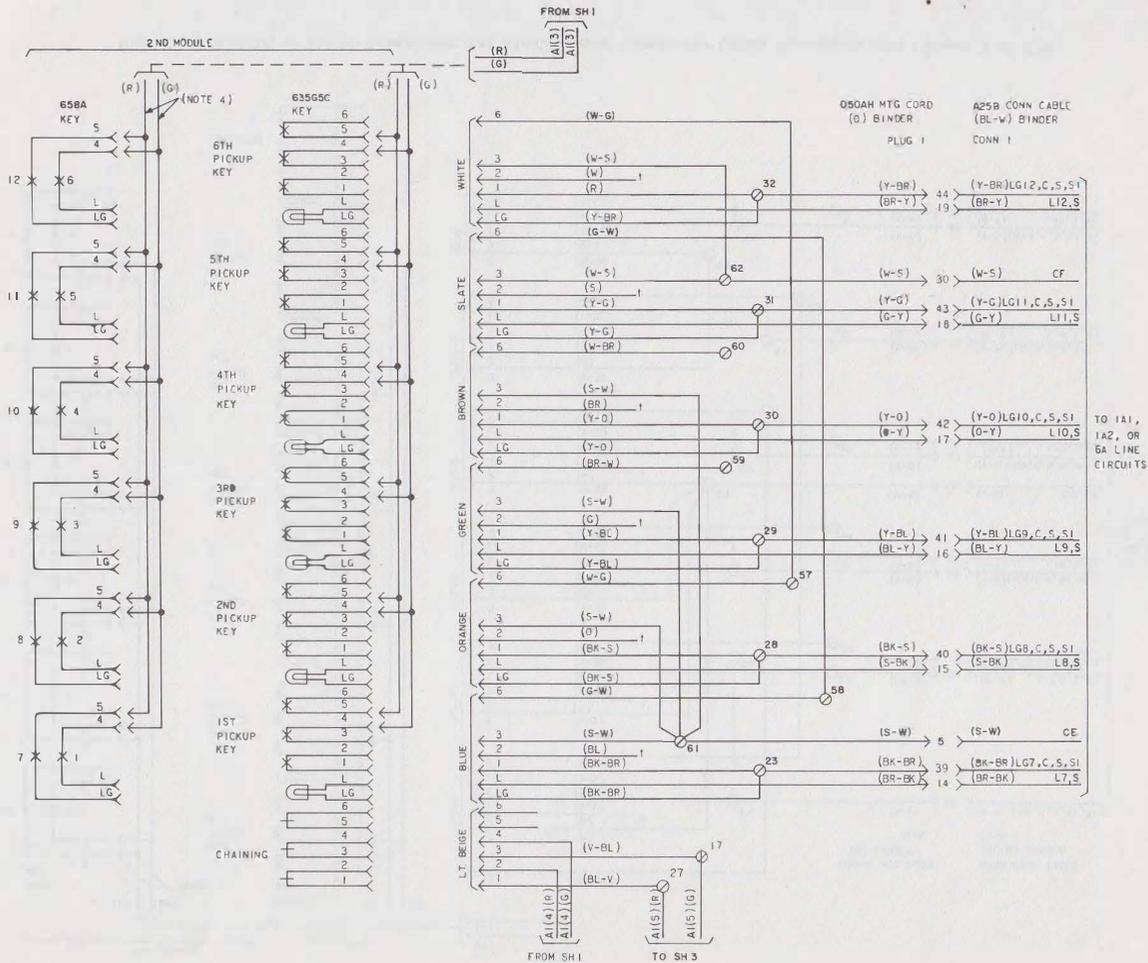


Fig. 2—2634DA or DAM Telephone Set Module and Connector Cable Arrangements (Sheet 2 of 3)

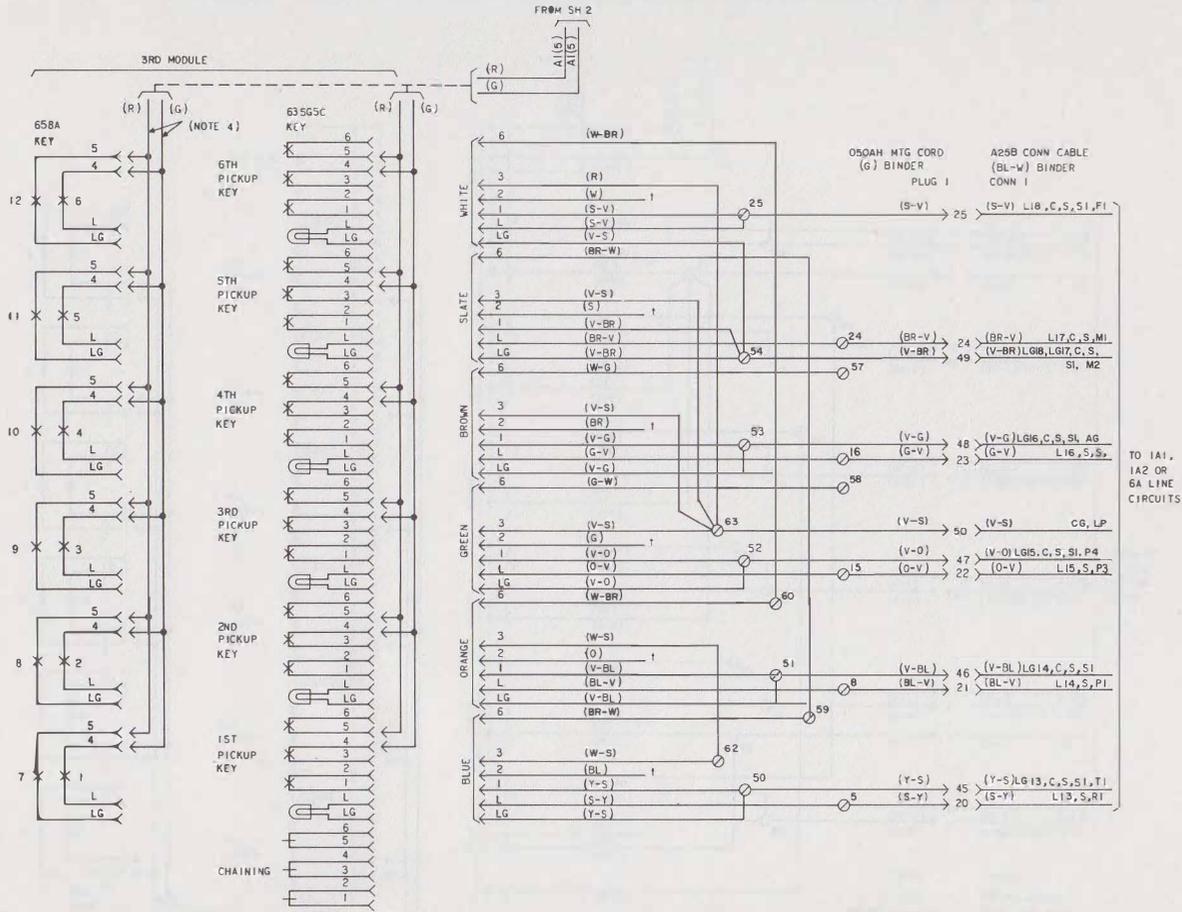


Fig. 2—2634DA or DAM Telephone Set Module and Connector Cable Arrangements (Sheet 3 of 3)

## NOTES FOR FIGURES 2 AND 3:

1. THE 635AD5C KEY IS SUPPLIED WITH AN ADAPTER IN THE CUTOFF KEY POSITION. THE SLATE MOUNTING CORD PLUG CONNECTS TO THE ADAPTER. BALANCE OF PLUGS CONNECT DIRECTLY TO KEY.
  2. IF A 635AD5C KEY IS ADDED IN THE FIELD, TERMINATE THE (BL-Y) AND (Y-BL) ADAPTER LEADS AS INDICATED IN NOTE 6 AND REMOVE (R) SLATE PLUG LEAD FROM TERMINAL 22. INSULATE AND STORE.
  3. IF THE HOLD POSITION LAMP (6TH) 635A5C OR 635AD5C KEY IN THE FIRST MODULE IS USED FOR A VISUAL SIGNAL, REMOVE (Y-G) LAMP GROUND LEAD FROM STORED LOCATION IN FIRST MODULE AND CONNECT TO TERMINAL 22. CONNECT INSULATED AND STORED (G-Y) LAMP LEAD AND (R-G) MTG CORD LEAD USING SPARE TERMINAL OR D-161488 CONNECTOR.
  4. IN SETS EQUIPPED WITH A 658A KEY, THE (G) CONTACT STRIP LEAD IS TERMINATED ON TERMINAL 10 AND (R) ON 11. IF A 658A KEY IS ADDED IN THE FIELD, LEADS MUST BE MOVED FROM PRECEDING MODULE CHAINING CIRCUIT TO TERMINALS 10 AND 11. PROVISIONS ARE MADE FOR MECHANICALLY STORING THE LIGHT BEIGE PLUG ON THE 658A KEY. NO ELECTRICAL CONNECTION IS MADE.
  5. WHEN THE 658A KEY IS REQUIRED AS A DUAL PURPOSE KEY, REMOVE STRAP BETWEEN TERMINALS 10 AND 11. USE MIW CORD OR EQUIVALENT TO CONNECT TERMINAL 11 TO A DISSIMILAR GROUND OR NONGROUNDED CIRCUIT.
  6. CUTOFF OF THE INTERNAL RINGER CAN BE PROVIDED USING THE 635AD5C KEY IN FIRST MODULE. TRANSFER B1 (R-BL) LEAD FROM TERMINAL 12 AND (BL-Y) ADAPTER LEAD TO SPARE TERMINAL OR D-161488 CONNECTOR. REMOVE (W-G) LEAD (SLATE PLUG) FROM TERMINAL 57 AND CONNECT TO 12.
  7. WHEN 635AD5C KEY IS USED IN FIRST MODULE TO PROVIDE CUTOFF, SWITCHING, OR TRANSFER FEATURES, MOVE (W-BR) SLATE PLUG LEAD FROM TERM. 60 TO TERMINAL 11. THESE SERVICE FEATURES ARE PROVIDED BY AN AUXILIARY RELAY (229B KTU OR EQUIVALENT) SEPARATELY MOUNTED AND CONTROLLED BY THE CUTOFF KEY CONTACTS THROUGH LGS, C, S, S1 LEAD.
  8. CONTROL LEADS CA TO CJ ARE CONNECTED TO TERMINALS 57 TO 65. THESE TERMINALS APPEAR ON MORE THAN ONE OF THE MODULE SHEETS OF FIG. 2 AND 3 BUT ARE THE SAME TERMINAL.
- \* INSULATED AND STORED  
 † DEAD DRESSED

**Notes for Fig. 2 and 3**

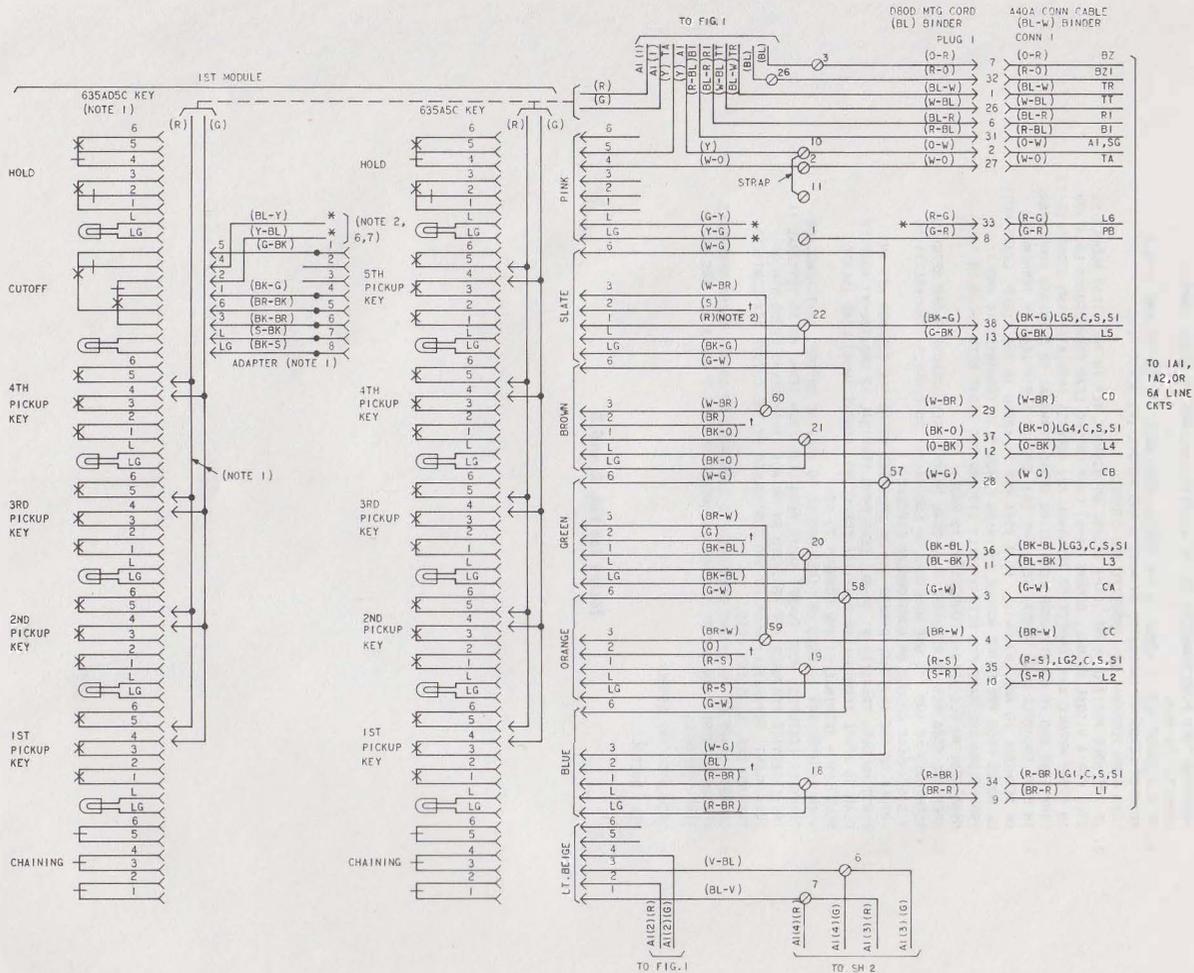


Fig. 3—2635DA or DAM Telephone Set Module and Connector Cable Arrangements (Sheet 1 of 5)

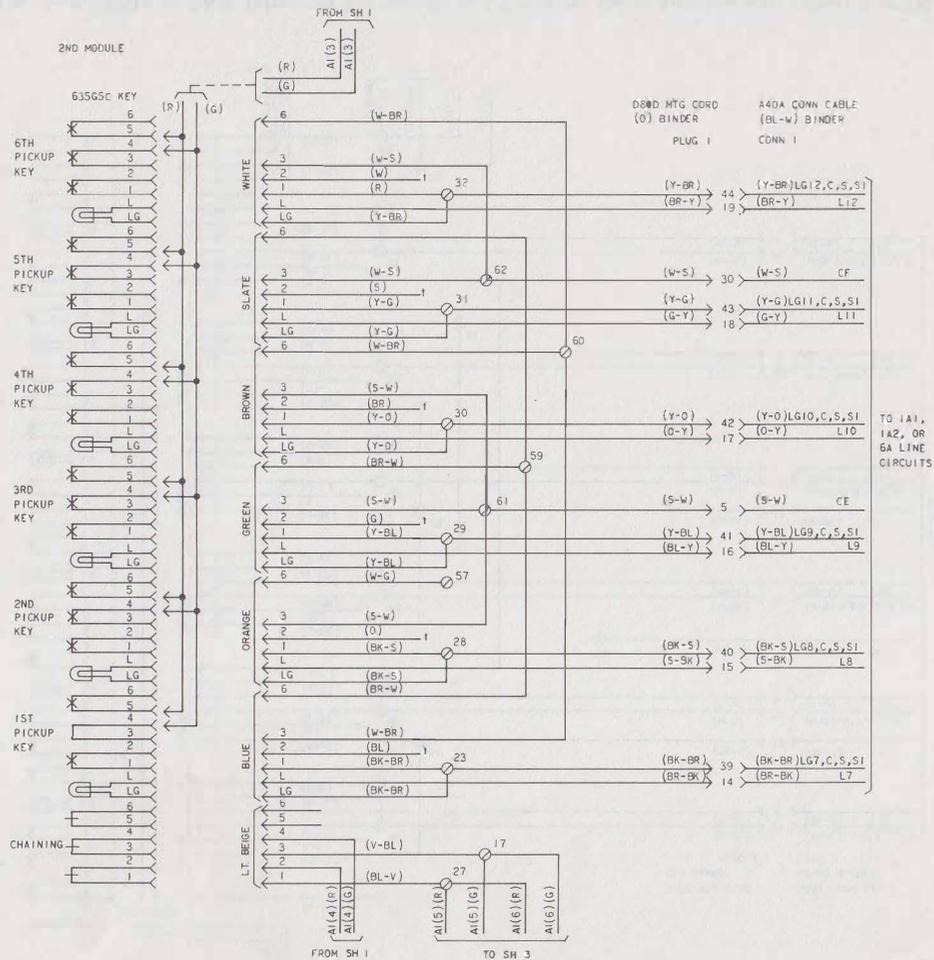


Fig. 3—2635DA or DAM Telephone Set Module and Connector Cable Arrangements (Sheet 2 of 5)





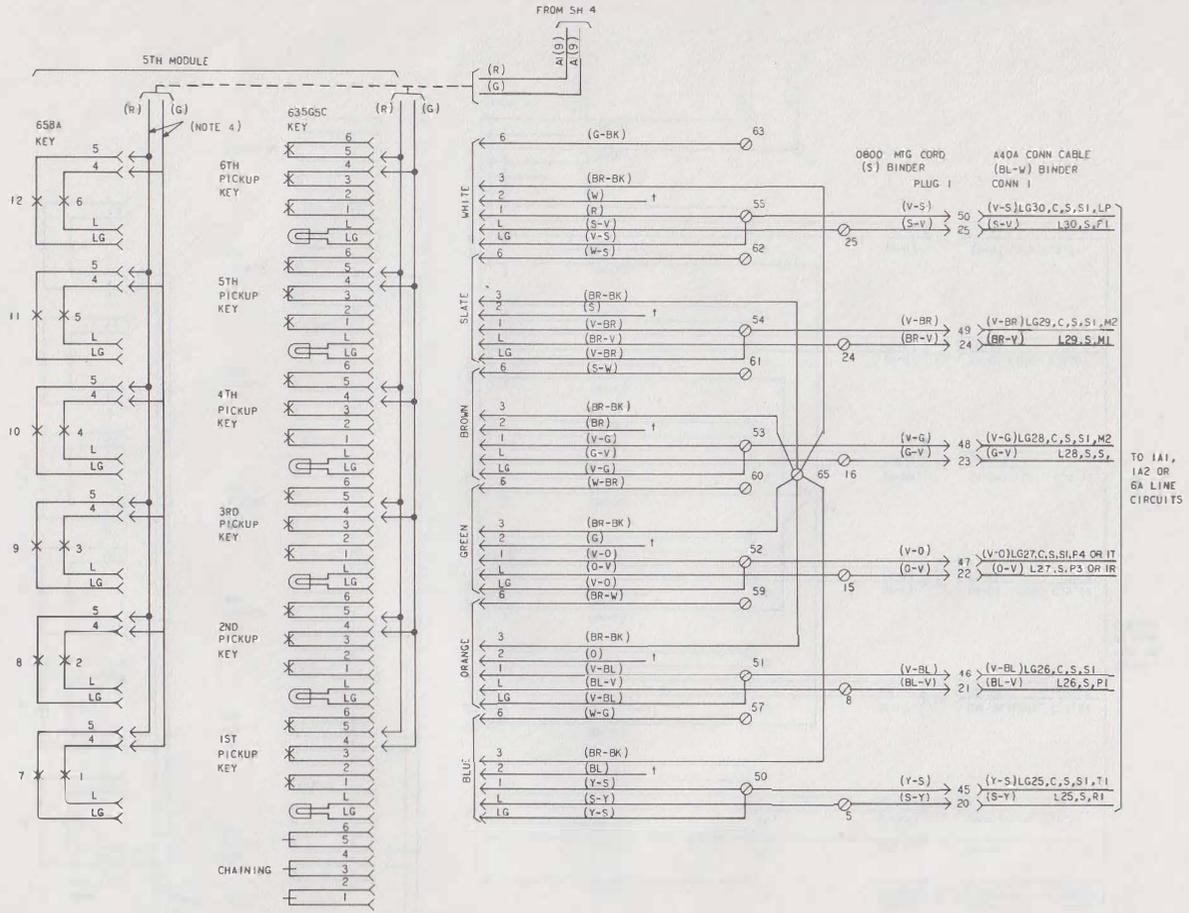


Fig. 3—2635DA or DAM Telephone Set Module and Connector Cable Arrangements (Sheet 5 of 5)



TABLE A

## PICKUP-SIGNAL KEY CONVERSION—2634DA OR 2634DAM TELEPHONE SET (THIRD MODULE ONLY)

NO. OF SIGNAL KEYS	KEY PLUG LEADS																							
	1ST PICKUP				2ND PICKUP				3RD PICKUP				4TH PICKUP				5TH PICKUP				6TH PICKUP			
	BL	Y-S	BR-W	W-S	O	V-BL	W-BR	W-S	G	V-O	G-W	V-S	BR	V-G	W-G	V-S	S	V-BR	BR-W	V-S	W	V-S	W-BR	V-S
1	*	50	59	62	*	51	60	62	*	52	58	63	*	53	57	63	*	54	59	63	10	†	*	*
2	*	50	59	62	*	51	60	62	*	52	58	63	*	53	57	63	10	†	*	*	10	†	*	*
3	*	50	59	62	*	51	60	62	*	52	58	63	10	†	*	*	10	†	*	*	10	†	*	*
4	*	50	59	62	*	51	60	62	10	†	*	*	10	†	*	*	10	†	*	*	10	†	*	*
5	*	50	59	62	10	†	*	*	10	†	*	*	10	†	*	*	10	†	*	*	10	†	*	*
6	10	†	*	*	10	†	*	*	10	†	*	*	10	†	*	*	10	†	*	*	10	†	*	*

\* Insulated and stored.

† From L.G terminal of plugs — insulate and store.

TABLE B

## PICKUP-SIGNAL KEY CONVERSION—2635DA OR 2635DAM TELEPHONE SET (FIFTH MODULE ONLY)

NO. OF SIGNAL KEYS	KEY PLUG LEADS																							
	1ST PICKUP				2ND PICKUP				3RD PICKUP				4TH PICKUP				5TH PICKUP				6TH PICKUP			
	BL	Y-S	W-G	BR-BK	O	V-BL	BR-W	BR-BK	G	V-O	W-BR	BR-BK	BR	V-G	S-W	BR-BK	S	V-BR	W-S	BR-BK	W	V-S	G-BK	BR-BK
1	*	50	57	65	*	51	59	65	*	52	60	65	*	53	61	65	*	54	62	65	10	†	*	*
2	*	50	57	65	*	51	59	65	*	52	60	65	*	53	61	65	10	†	*	*	10	†	*	*
3	*	50	57	65	*	51	59	65	*	52	60	65	10	†	*	*	10	†	*	*	10	†	*	*
4	*	50	57	65	*	51	59	65	10	†	*	*	10	†	*	*	10	†	*	*	10	†	*	*
5	*	50	57	65	10	†	*	*	10	†	*	*	10	†	*	*	10	†	*	*	10	†	*	*
6	10	†	*	*	10	†	*	*	10	†	*	*	10	†	*	*	10	†	*	*	10	†	*	*

\* Insulated and stored.

† From L.G terminal of plugs — insulate and store.

**TABLE C**  
**MODIFICATION FOR 3-TYPE SPEAKERPHONE**

WIRE OR LEAD	COLOR	REMOVE FROM	CONNECT TO
Mounting Cord (Note 1)	S-Y	5	13
	Y-S	50	9
	O-V	15	14
	V-G	53	56
Slate Plug Straps III Module (2634-Type) or V Module (2635-Type)	BR-W W-S*	59 62*	24
	V-S BR-BK*	63 65*	54
	S	†	16
	V-BR†	54	8
	BR-V	24	10
	V-BR‡	54	25
679A Trmtr	S-V		4

\*2635-type telephone set lead color or terminal.

† Stored location.

‡ Lead from terminal 1 of slate plug.

§ Lead from terminal LG of slate plug.

**Notes:**

1. Mounting cord conductors from (G) 2634-type or (S) 2635-type binder.
2. Connect the slate plug from the 3rd or 5th module to the 679A transmitter (Fig. 4). All other plugs in the module are insulated and stored.

**TABLE D**  
**POLARITY GUARD CONNECTIONS**  
**(P-90D197 OR 819041971 GUARD ASSEMBLY)**

LEAD	COLOR	REMOVE FROM	CONNECT TO
Line Switch	W	C*	S†
	G-W		
Dial	BK	RR*	T†
	W		C*
Polarity Guard	G		RR*

\* Network terminal.

† Polarity guard terminal.

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