

SPEAKERPHONE SYSTEMS—3A
THE CALL DIRECTOR
CONNECTIONS

1. GENERAL

1.01 This section shows connections between 3A speakerphone and Call Director sets.

1.02 This section is reissued to:

- Change the code of some cords and add notes to Table A, Fig. 1.
- Change Fig. 2 to show connections for 630-, 631-, and 632-type telephone sets equipped with Manufacture Discontinued (MD) cords.
- Show connections for 630- and 631-type telephone sets equipped with even-count color-coded cords in Fig. 3.
- Add connections for 634- and 635-type telephone sets equipped with even-count color-coded cords in Fig. 4.

1.03 Because of the lack of sufficient leads, the 666A transmitter unit cannot be used with the 632 (600B) telephone set. For the same reason, a 599B key cannot be used in the first module position with the 666A transmitter unit.

Note 1: When station busy lamp feature is required, connect BL lead to AG lead at connecting block.

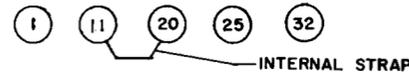
Note 2: Connect to 44A block No. 3 using IW cable, or connect direct to control unit using inside wire as required.

Note 3: For telephone set connections, refer to appropriate section.

Note 4: Use 148A adapter to extend mounting cord leads to a connecting block for connecting to control unit where required.

Note 5: Due to the lower voltage rating, the 2012A transformer should not be used to power the 55A control unit. Do not use a grounded power supply to power the control unit.

Spare terminals on 55A control unit.



* Insulate and store.

† Terminals on ringer terminal strip.

‡ Terminals on network.

§ Terminals on dial.

TABLE A
CORD CONDUCTOR COLORS

Lead Desig	D120A, D120B D200A, D200B Mounting Cords		148A Adapter Cond Colors	D120C, D200F Mounting Cords		148A Adapter Cond Colors
	Term.	Color		Term.	Color	
R1	11	O-R	R	16	BL-Y	BR-BL
T1	36	O-G	G	41	Y-BL	BR-W
P3	43	O-W	R-BL	43	Y-G	R-BL
P4	18	O-BL	R-BK	18	G-Y	R-BK
LK	37	O-BK*	BK	42	Y-O*	R-Y
AG	12	O	Y	17	O-Y	R-G
A1	2	Y†	G-BK	2	O-W‡	G-BK

* Move from G (TBI) to L1 of network.

† Move from 1B (TBVI) to 4 (Ringer Terminal Strip).

Note: Leads are stored in first module position of telephone set. When 666A transmitter unit is used, the following conditions apply due to lack of conductors:

- With 599A key in first module, lamp in hold key position cannot be used.
- With 598A key in 1st module, 6th pickup key and lamp cannot be used.
- 599B key cannot be used in first module.

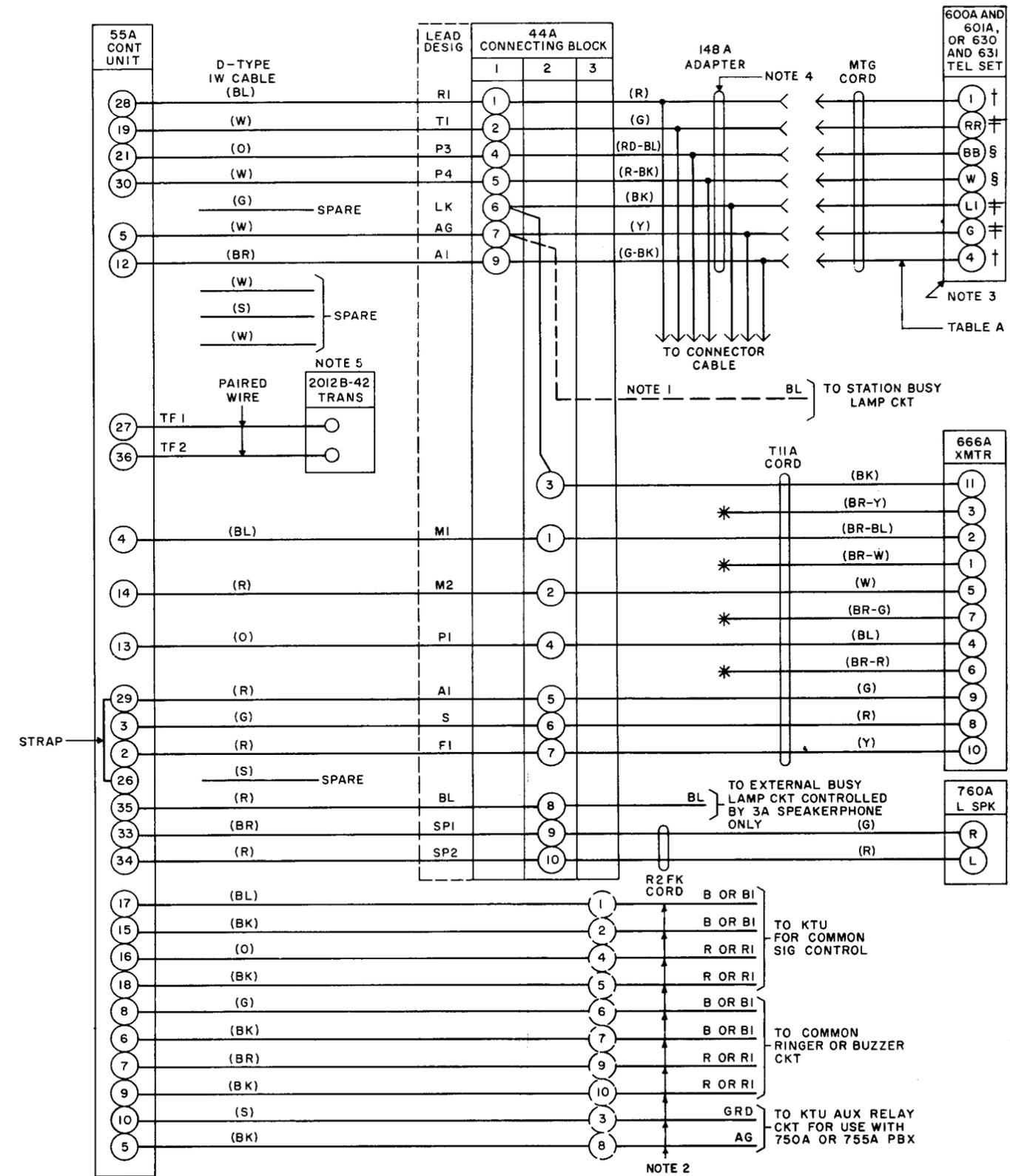


Fig. 1 — 630- (600A) or 631- (601A) Type Telephone Sets with 666A Transmitter Unit

Note 1: Leads are spade tipped and of sufficient length to reach network or dial terminals when transmitter is in last module position of telephone set.

Note 2: Use 148A adapter to extend transmitter leads to connecting block for connecting to control unit where required.

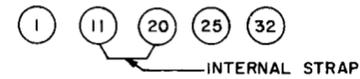
Note 3: Connect to 44A block No. 3 using IW cable or connect to control unit using inside wire as required.

Note 4: For telephone connections, refer to appropriate section.

Note 5: When busy lamp feature is required, connect BL lead to AG lead at connecting block.

Note 6: Due to the lower voltage rating, the 2012A transformer should never be used to power the 55A control unit. Do not use a grounded power supply to power the control unit.

Spare terminals on 55A control unit.



* Terminals on ringer terminal strip.

† Terminals on network.

‡ Terminals on dial.

▲ When 667A transmitter is used with the 600- or 601-type sets, the appropriate face-plate, bezel, and housing must be ordered separately. See section on Call Director telephone sets.

TABLE A

Lead Desig	667A Xmtr	667B Xmtr
LK	O-BK	Y-O
A1	Y	O-V
R1	O-R	BL-Y
T1	O-G	Y-BL
AG	O	O-Y
P4	O-BL	G-Y
P3	O-O	Y-G

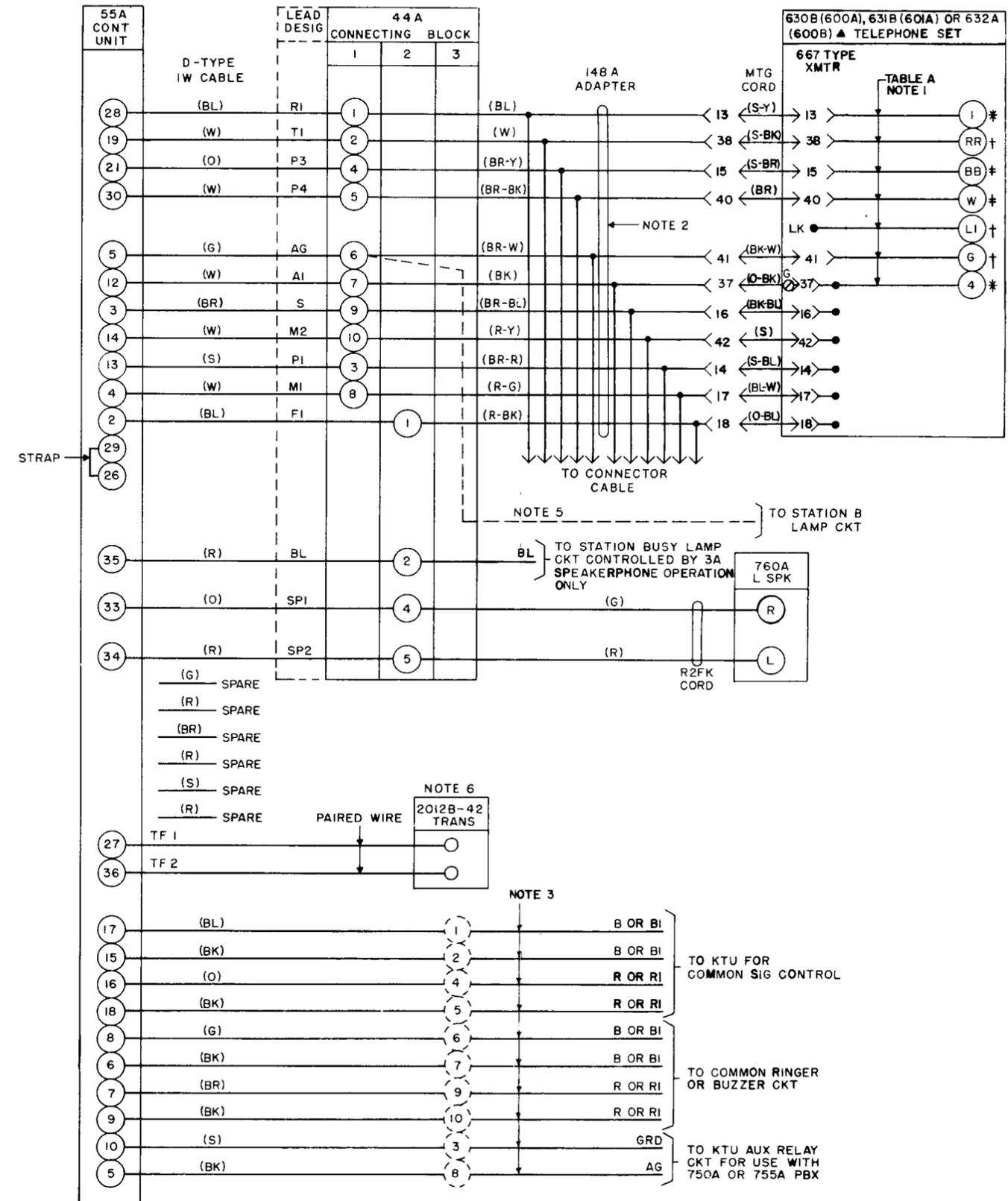


Fig. 2 - 630B (600A), 631B (601A), or 632A (600B) Telephone Sets with 667-Type Transmitter Unit

Note 1: Length of B25A connector cable as required. Cut B25A connector cable and terminate conductors from connector end needed for speakerphone or other services on 66C2-16 connecting block. Terminate plug end as required. If continuation of these leads to other locations is not required, a length of A25B connector cable may be used instead and run directly to 55A control unit.

Note 2: Plug 3 (630 tel set) or plug 5 (631 tel set).

Note 3: Due to the lower voltage rating, the 2012A transformer should not be used to power the 55A control unit. Do not use a grounded power supply to power the control unit.

Note 4: When busy lamp is required, connect BL lead to AG lead at connecting block.

TABLE A
TRANSMITTER UNIT LEADS

Lead	667A Xmtr	667B Xmtr
LK	O-BK	Y-O
A1	Y	O-V
R1	O-R	BL-Y
T1	O-G	Y-BL
AG	O	O-Y
P4	O-BL	G-Y
P3	O-O	Y-G

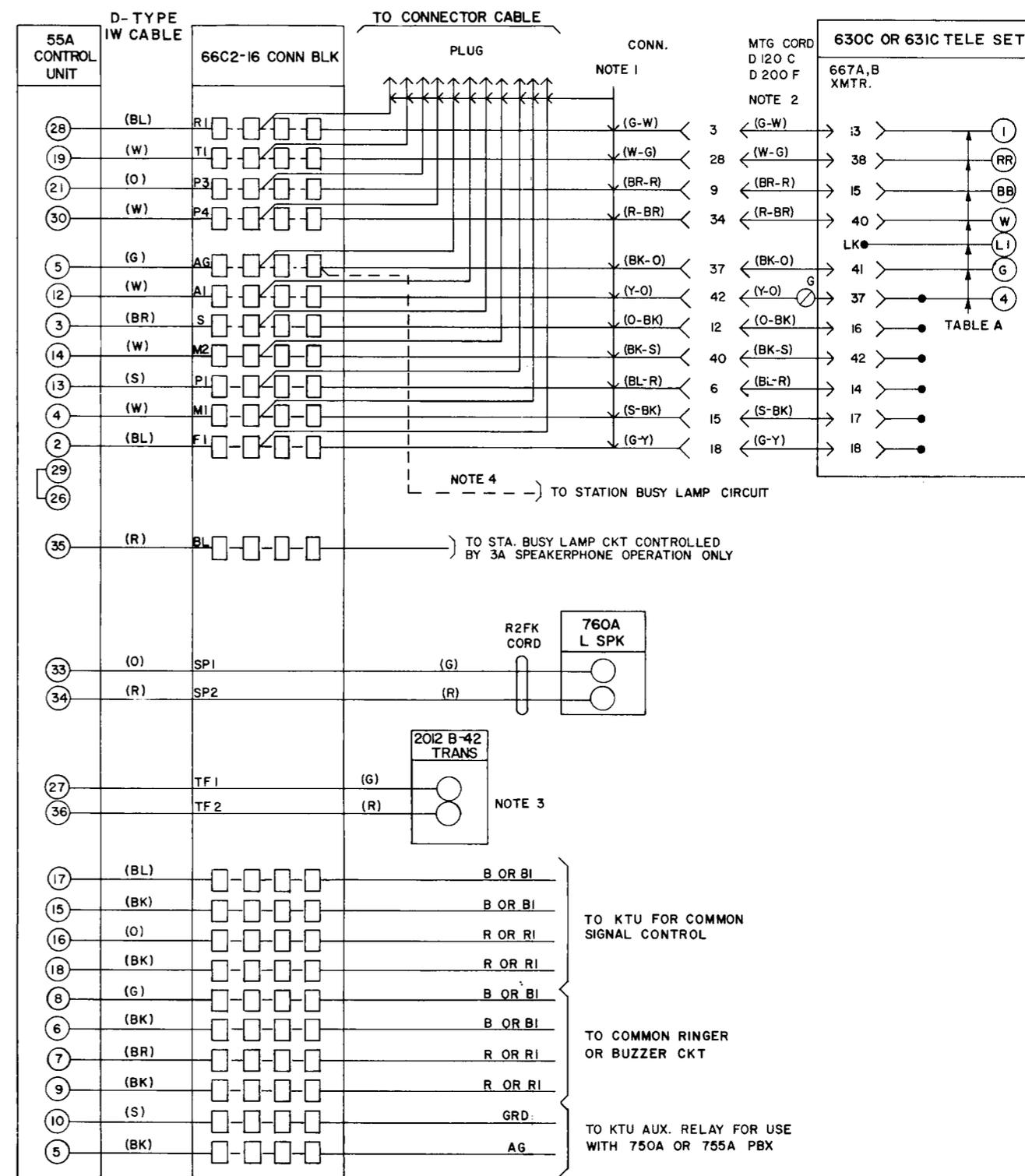


Fig. 3 — 630C or 631C Telephone Sets with 667-Type Transmitter Unit and Even-Count Color-Coded Cords

Note 1: Leads are spade tipped and of sufficient length when module is in last module position of telephone set.

Note 2: Use 148A adapter to extend speakerphone leads to control unit where required.

Note 3: Connect as shown or direct to control unit using IW as required.

Note 4: Due to a lower voltage rating, the 2012A transformer should not be used to power the 55A control unit. Do not use a grounded power supply to power the control unit.

Note 5: Remove the V-Y (D50A or B cord) or R (D50L cord) from terminal 6 of TB III (634) or TB V (635). Insulate and store.

Note 6: When station busy lamp is required, connect BL lead to AG lead at connecting block.

Note 7: Do not connect corresponding leads at equipment.

Note 8: Same ground as key equipment ground.

**TABLE A
TRANSMITTER UNIT LEADS**

Lead	667A Xmtr	667B Xmtr
LK	O-BK	Y-O
A1	Y	O-V
R1	O-R	BL-Y
T1	O-G	Y-BL
AG	O	O-Y
P4	O-BL	G-Y
P3	O-O	Y-G

**TABLE B
CORD CONDUCTOR COLORS**

Lead Desig	D50A, B, D80A Cord			D50L, D80B Cord				
	Color	Terminal		Color	Terminal			
		Plug End	TB III or V	Module		Plug End	TB III or V	Module
R1	Y-BL	20		13	S-Y	20		13
T1	Y-W	45	1		Y-S	45	1	38
	S-BK		1	38	Y-S		1	38
P3	V-O	22		15	O-V	22		15
P4	V-R	47	3		V-O	47	3	40
	BR		3	40	V-O		3	40
AG	V-BK	48	4		V-G	48	4	41
	BK-W		4	41	V-G		4	41
S	V-G	23		16	G-V	23		16
M2	V-W	49	5		V-BR	49	5	42
	S		5	42	V-BR		5	42
P1	V-BL	21		14	BL-V	21		14
M1	V-BR	24		17	BR-V	24		17
F1*	V-S	25	6		S-V	25	6	18
	V-S		6	18	S-V		6	18

* V-S (D80A) or S-V (D80B) terminates directly on pin 18 at module end.

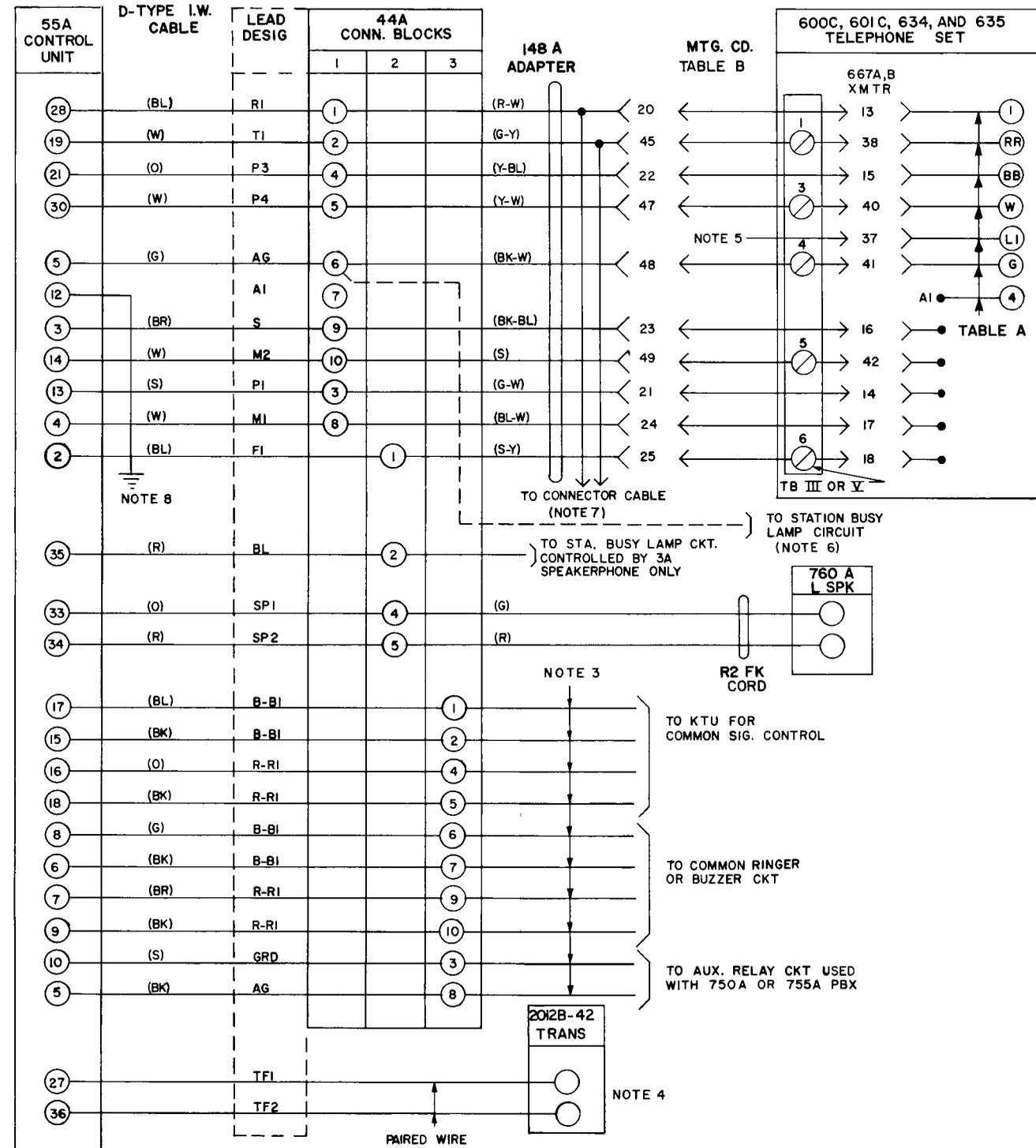


Fig. 4 — 634B, 634C (600C) or 635A, 635C (601C) Telephone Sets with 667-Type Transmitter Unit