

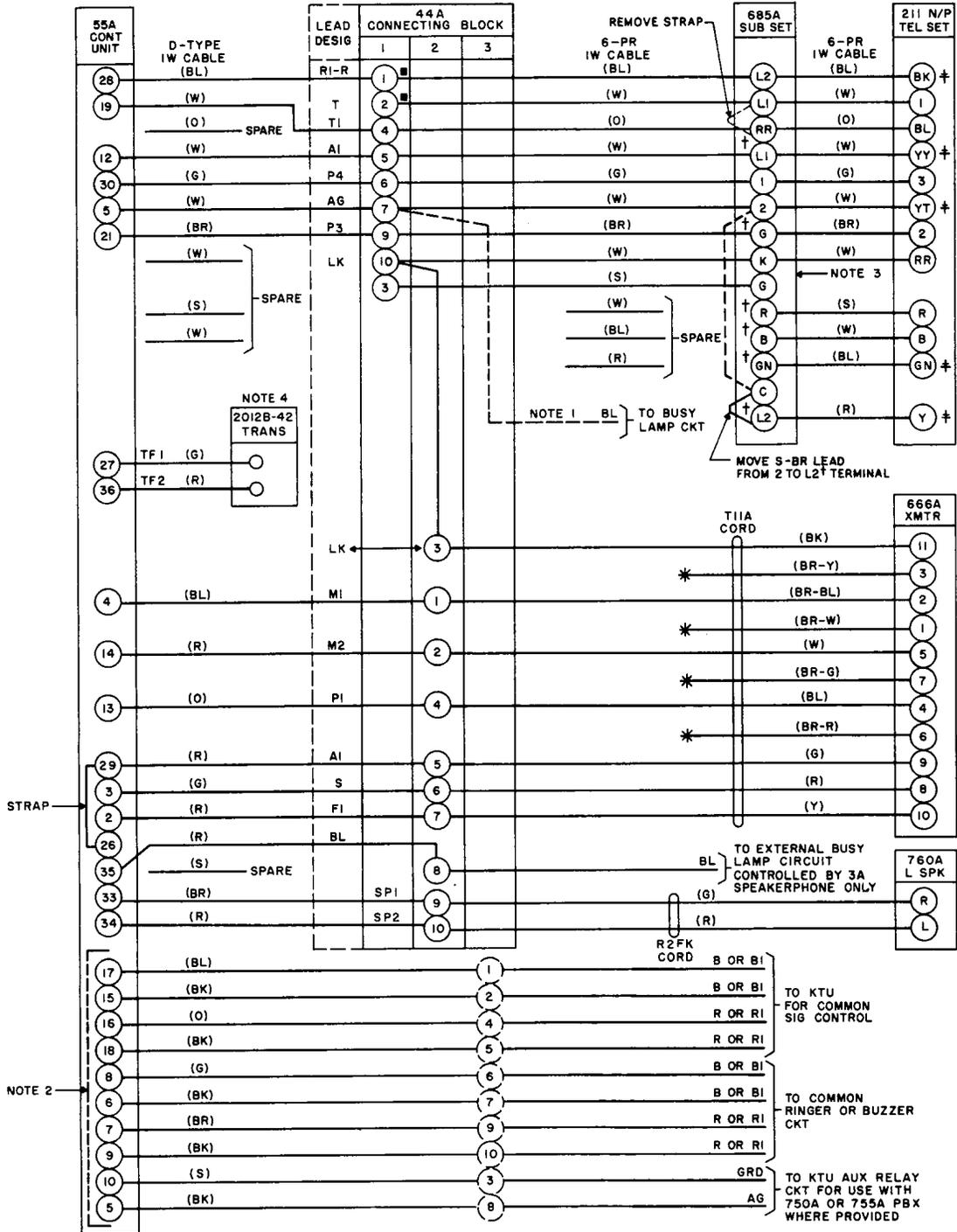
3A SPEAKERPHONE SYSTEM
211N/P, 500R/S, 511C/D, 558C/D,
701B, AND 711B TELEPHONE SETS
CONNECTIONS

1.00 GENERAL

1.01 This section shows connections between components in the 3A speakerphone system and the following station sets:

- Hangup-type telephone sets.
- Combined- and 1-button combined-type telephone sets.
- Wall-type telephone sets.
- PRINCESS- and 1-button PRINCESS-type telephone sets.

1.02 The information in this section was formerly in C70.202.03, Issue 2, entitled 3A Speakerphone System, Connections.



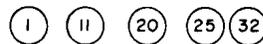
Note 1: When station busy lamp feature is required, connect BL lead to AG lead at connecting block. Use one station busy lamp control unit for each telephone set and 55A unit.

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

Note 3: For telephone set connections, refer to the appropriate C Section.

Note 4: Due to the lower voltage rating, the 2012A transformer should never be used to power the 55A control unit.

Spare terminals on 55A control unit:



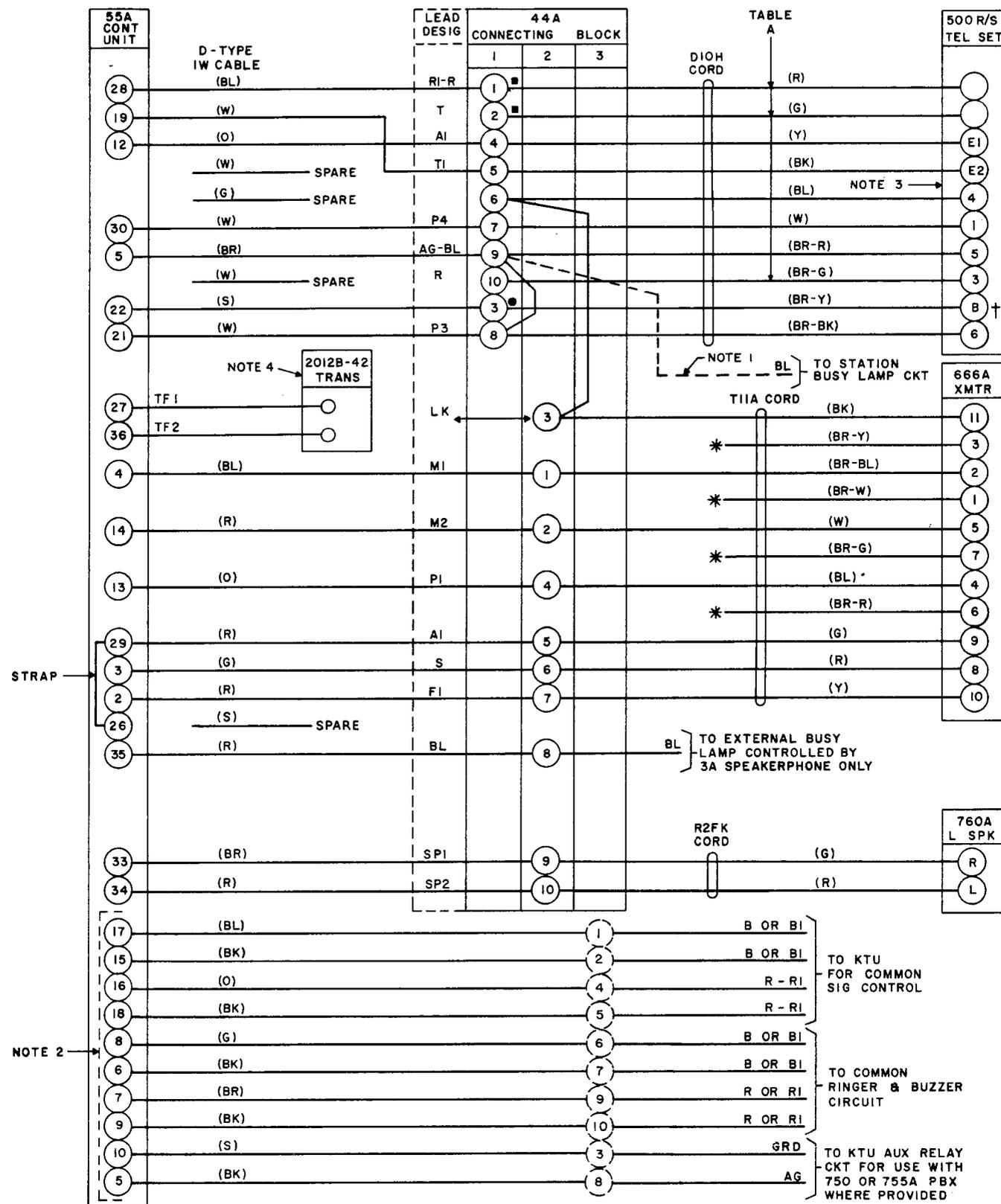
* Place KS-19147, List 1 cord-tip insulator and store.

† Terminals on network.

‡ Terminals on switchhook.

■ To central office, PBX, or 1A, 1A1, and 6A line circuits.

Fig. 1 — 211N/P Telephone Set



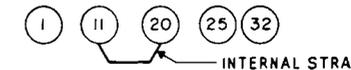
Note 1: When station busy lamp feature is required, connect *BL* lead to *AG* lead at connecting block. Use one station busy lamp control unit for each telephone set and 55A unit.

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 the appropriate C Section.

Note 4: Due to the lower voltage rating, the 2012A transformer should never be used to power the 55A control unit.

Spare terminals on 55A control unit:



* Place KS-19147, List 1 cord-tip insulator and store.

† Terminals on network.

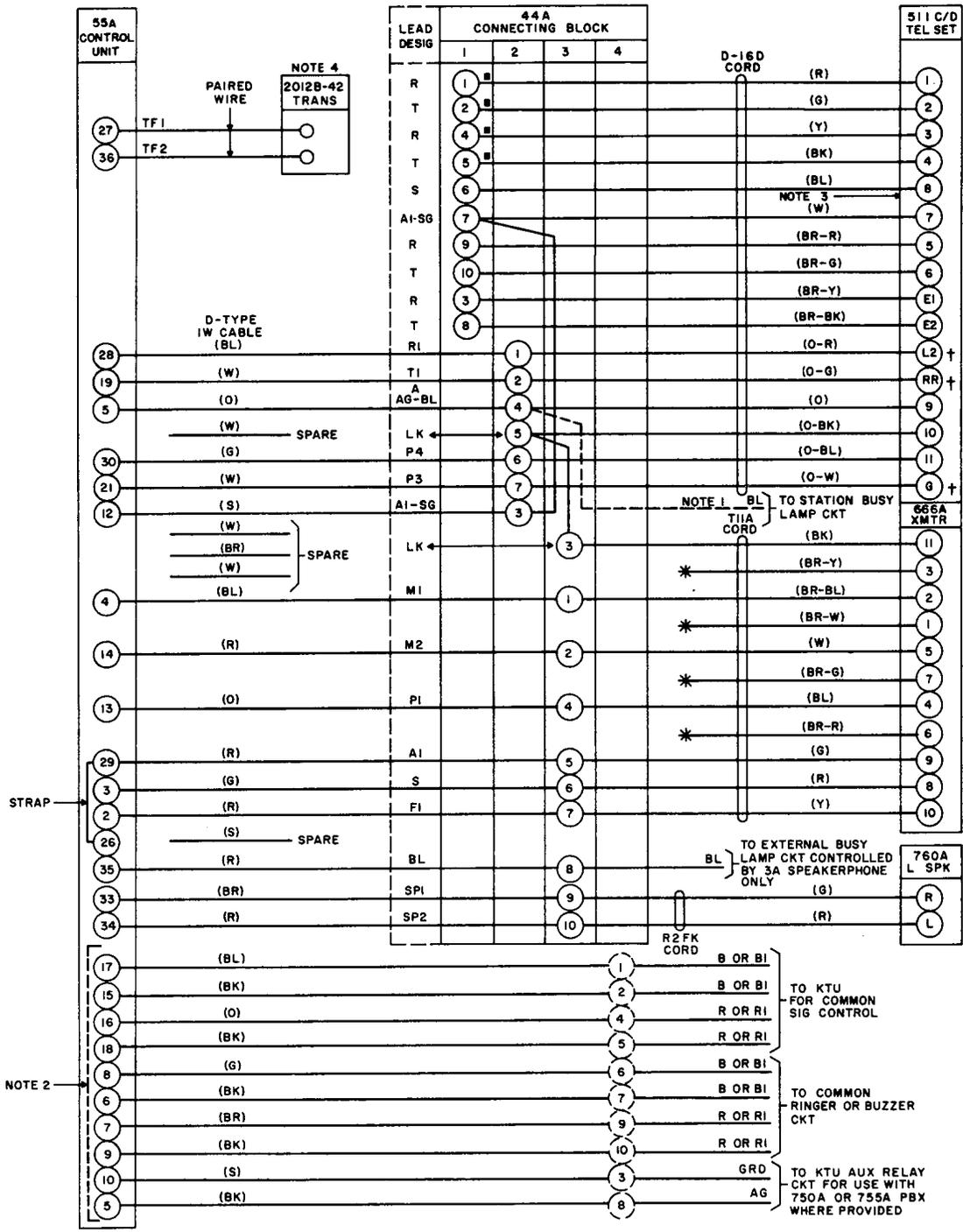
■ To central office, PBX, 1A, 1A1, and 6A line circuits.

● Tip party identification (*G1* lead).

TABLE A
LINE AND RINGER CONNECTIONS

Wire or Lead	Individual or Bridged	Ring Party		Tip Party							
				No Ident Ground		Identifying Ground					
						1000 Ohms		2650 Ohms			
Dial	Man.	Dial	Man.	Dial	Man.	Dial	Man.	Dial	Man.		
Mounting Cord in Set	G	G	G	F	E2	F	E2	F	E2	F	E2
Move GN Lead From G Term. to		F	E2	E1	E1	E1	E1	E1	E1	E1	E1
Ringer Leads	R	L2		L2		L2		K		B	
	BK	G	G	G	G	G	G	G	G	B	B
	S	K	K	K	K	K	K	B	B	K	K
	S-R	A	A	A	A	A	A	B	B	G	G
Mounting Cord at Connecting Block	R	Ring	Ring	Ring	Ring	Tip	Tip	Tip	Tip	Tip	Tip
	G	Tip	Tip	Tip	Tip	Ring	Ring	Ring	Ring	Ring	Ring
	BR-G	Ring	Ring	Ring	Ring	Tip	Tip	Tip	Tip	Tip	Tip
Switchhook Lead in Set	S-BR	2	2	2	2	A of Network		A of Network		A of Network	

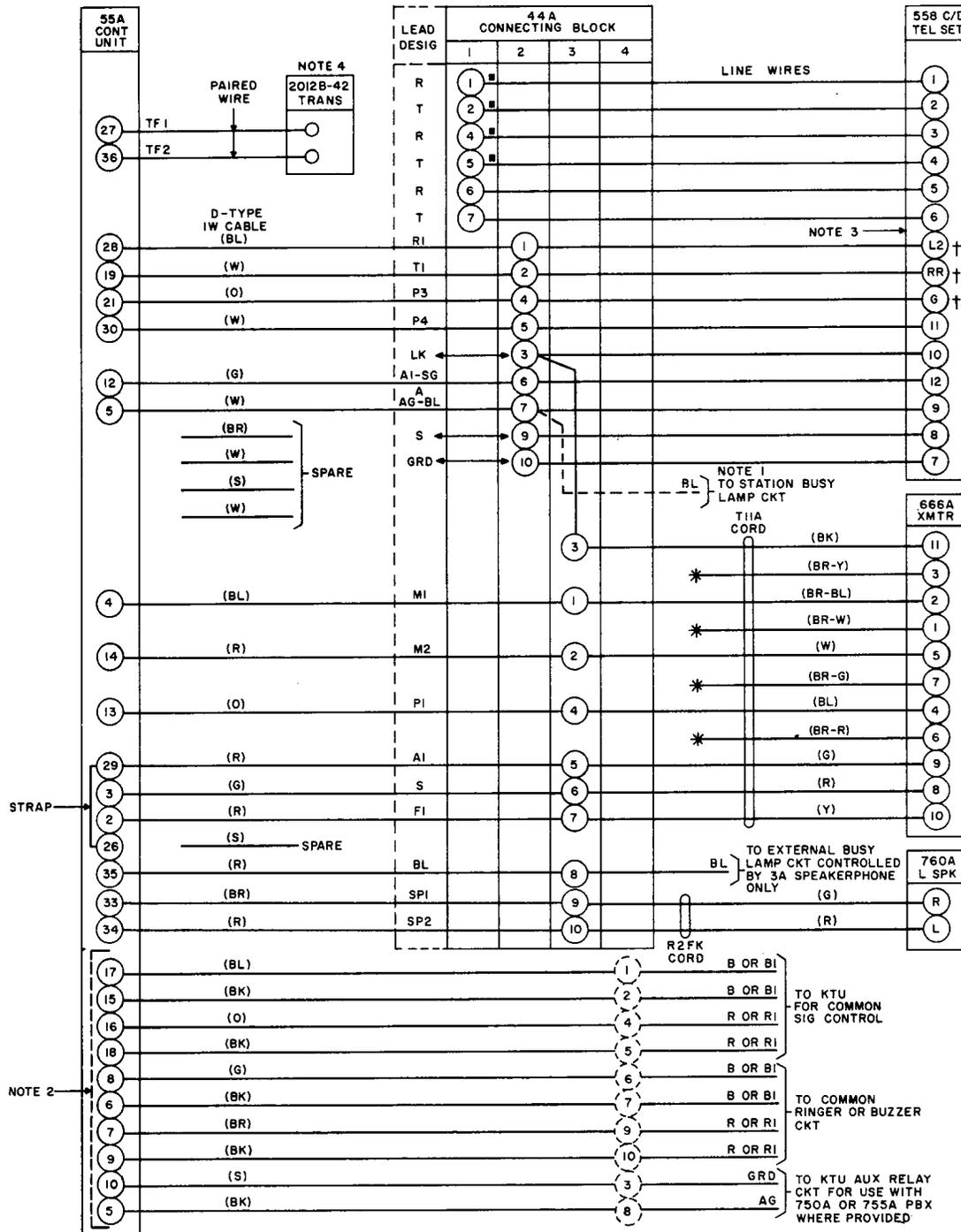
Fig. 2 – 500R/S Telephone Set



- Note 1:** When station busy lamp feature is required, connect BL lead to AG lead at connecting block. Use one station busy lamp control unit for each telephone set and 55A unit.
- Note 2:** Connect to 44A block No. 4 using IW cable, or connect direct to control unit using inside wire as required.
- Note 3:** For telephone set connections, refer to appropriate C Section.
- Note 4:** Due to the lower voltage rating, the 2012A transformer should never be used to power the 55A control unit.

- Spare terminals on 55A control unit:
- (1) (11) (20) (25) (32)
- INTERNAL STRAP
- * Place KS-19147, List 1 cord-tip insulator and store.
 - † Terminals on network.
 - To central office, PBX, 1A, 1A1, and 6A line circuits.

Fig. 3 — 511C/D Telephone Set



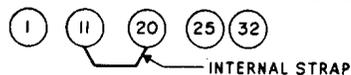
Note 1: When station busy lamp feature is required, connect BL lead to AG lead at connecting block. Use one station busy lamp control unit for each telephone set and 55A unit.

Note 2: Connect to 44A block No. 4 using IW cable, or connect direct to control unit using inside wire as required.

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

Note 4: Due to the lower voltage rating, the 2012A transformer should never be used to power the 55A control unit.

Spare terminals on 55A control unit:

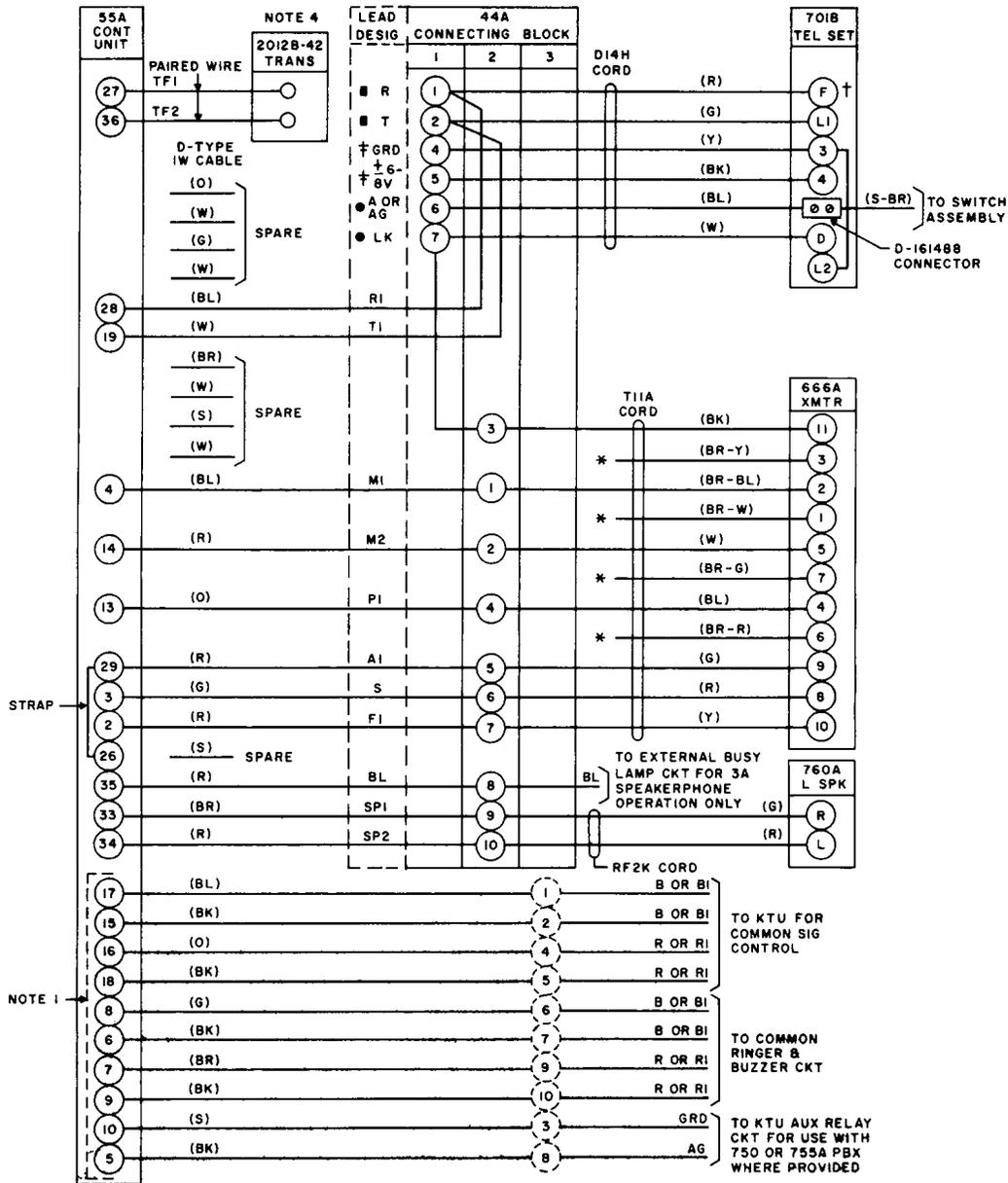


* Place KS-19147, List 1 cord-tip insulator and store.

† Terminals on network.

■ To central office, PBX, 1A, 1A1, and 6A line circuits.

Fig. 4 – 558C/D Telephone Set



Note 1: Connect to 44A block No. 3 using IW cable, or connect direct to control unit using inside wire as required.

Note 2: For telephone set connections, refer to appropriate C Section.

Note 3: Outgoing calls are made with the handset off hook and transferred to speakerphone. To transfer, the ON button of the 666A transmitter is depressed and held down until the handset is returned to the cradle.

Note 4: Due to the lower voltage rating, the 2012A transformer should never be used to power the 55A control unit.

Spare terminals on 55A control unit:

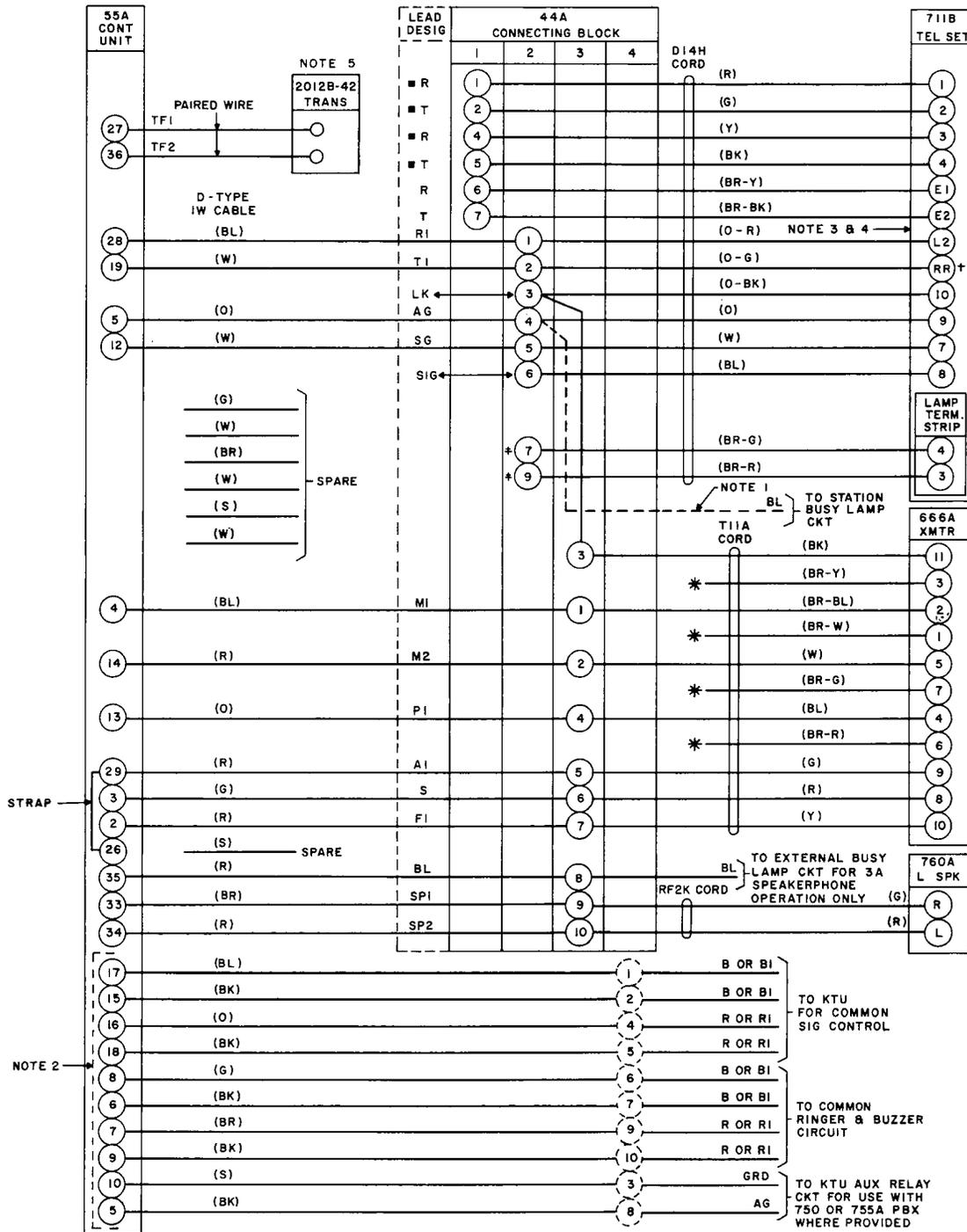


- * Place KS-19147, List 1 cord-tip insulator and store.
- † Terminals on network.
- ‡ Transformer leads for night light feature.
- To central office, PBX; 1A, 1A1, and 6A line circuits.
- To 1A1 key equipment.

TABLE B
MODIFICATION OF 701B TELEPHONE SET FOR USE WITH 3A SPEAKERPHONE

Move	From	To
S-BR Switch Assembly	C Network	BL Mtg Cord (Use D-161488 Connector)
BL Mtg Cord	4 Term. Strip	S-BR Switch Assembly
S-W Switch Assembly	F Network	C Network
R Mtg Cord	L2 Term. Strip	F Network
Place Strap	3 Term. Strip	L2 Term. Strip

Fig. 5 – 701B Telephone Set



Note 1: When station busy lamp feature is required, connect BL lead to AG lead at connecting block. Use one busy lamp control unit for each telephone set and 55A control unit.

Note 2: Connect to 44A block No. 4 using IW cable, or connect direct to control unit using inside wire as required.

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

Note 4: Outgoing calls are made with the handset off hook and transferred to speakerphone. To transfer, the ON button of the 666A transmitter is depressed and held down until the handset is returned to the cradle.

Note 5: Due to the lower voltage rating, the 2012A transformer should never be used to power the 55A control unit.

Spare terminals on 55A control unit:



INTERNAL STRAP

* Place KS-19147, List 1 cord-tip insulator and store.

† Terminals on network.

‡ Transformer leads for night light feature.

■ To central office, PBX, 1A, 1A1, and 6A line circuits.

Fig. 6 - 711B Telephone Set