

SERVICE

663-TYPE TELEPHONE SETS

1. GENERAL

1.01 These sets are supplied factory wired with a 242-type amplifier to provide for headset operation. A 52- or 53-type headset must be ordered separately. For ordering and installation information refer to the appropriate Reference section in Division 502.

1.02 Connection information was formerly found in Section 502-660-403 which will be canceled.

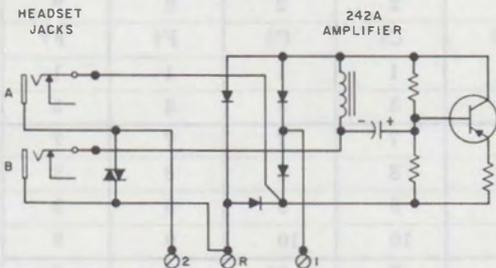


Fig. 1—242A Amplifier Connections — 663A1 Telephone Set

**TABLE A
AMPLIFIER CONNECTIONS — 663A1 TELEPHONE SET**

LEAD	242A AMPLIFIER	242B AMPLIFIER*
V-G	R	2
G-V	2	T
O-V	1	1
R	2	2
S	R	T
BK	2	2

* Place P-29E318 strap or equivalent between R and T terminals of amplifier.

TABLE B
LINE AND RINGER CONNECTIONS — 663A1 TELEPHONE SET

WIRE OR LEAD		INDIV OR BRIDGED	RING PARTY	TIP PARTY			
				NO IDENT GROUND	IDENT GROUND		
					1000Ω	2650Ω	
Line Wire	Tip	Connecting Block	1	1	1	1	1
	Ring		2	2	2	2	2
	Grd A1		5*	5	5	5	5
	A		4	4	4	4	4
Mounting Cord	G	Connecting Block	1	1	1	1	1
	R		2	2	2	2	2
	Y		4	4	4	4	4
	BK		5	5	5	5	5
Mounting Cord in Set	G	TB1	2	2	2	2	2
	R		C†	C†	C†	F†	F†
	Y		1	1	1	1	1
	BK		3	3	3	3	3
Ringer Leads	R	TB2	7	7	7	7	7
	BK		8	8	8	8	8
	S		9	9	9	9	9
	S-R		10	10	10	9	9
Ringer Straps	R	Net.	C	C	2‡	K	3‡
	BK		2‡	3‡	3‡	3‡	K
	S		K	K	K	B	B
	S-R		A	A	A	B§	B§
Line Switch	[S-BR] (W)	Net.	G	G	G	G	G
Key Assembly Leads	S-V		F	F	F	C	C

* Ground may be omitted if not required for service. Not required for protection of 41-type dial power supply.

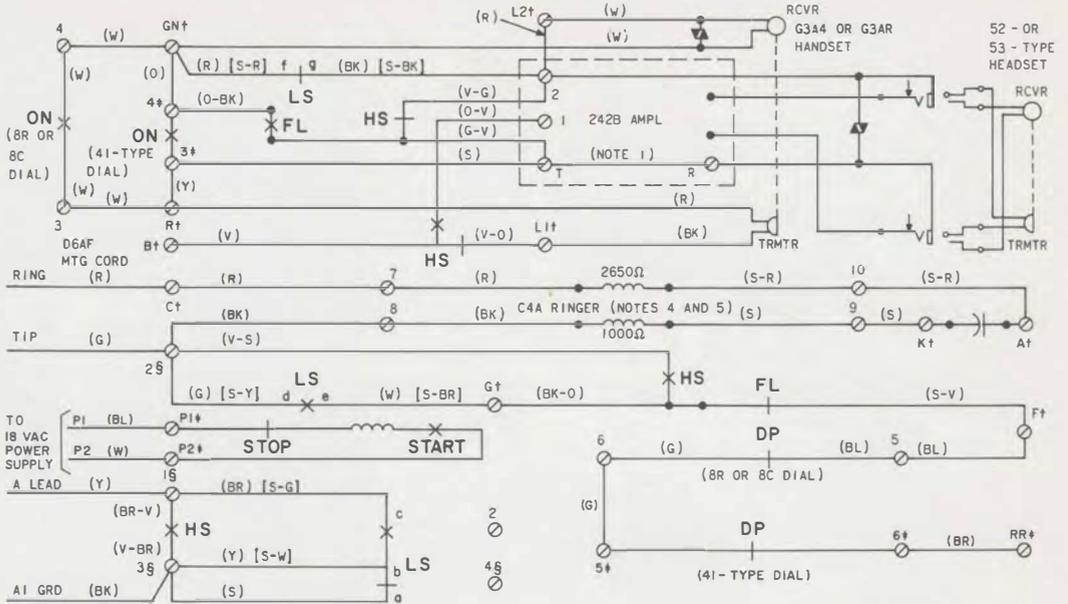
‡ Network terminal.

† TB1.

§ Place M1W cord or equivalent from A of network to 2 of TB1.

() Current color code

[] MD color code



NOTES:

1. P-29E318 STRAP.
2. ON EARLIER MANUFACTURED SETS, AT TB2:
 (A) TERMINALS 2,5, AND 6 WERE DESIGNATED 6,2 AND 5 RESPECTIVELY
 (B) (S-V) FROM KEY ASSEMBLY WAS TERMINATED WITH (BL) DIAL LEAD AND (BL) STRAP AT TB2
3. OFF-NORMAL CONTACTS AND ASSOCIATED (Y) LEADS ARE ON 8C DIAL ONLY.
4. IF CAPACITOR IS NOT REQUIRED IN RINGER CIRCUIT MOVE (S) RINGER LEAD TO TERMINAL 10 OF TB2. FOR LINE AND RINGER CONNECTIONS REFER TO TABLE B.
5. TO SILENCE RINGER PERMANENTLY MOVE (R) RINGER LEAD TO TERMINAL 10 AND (BK) RINGER LEAD TO TERMINAL 9 OF TB2.
6. LINE SWITCH SEQUENCE:
 bc - MAKES
 de - MAKES
 ab - BREAKS
 fg - BREAKS

- † - NETWORK TERMINAL, UNDESIGNATED TERMINALS ARE ON TB2
- ‡ - TERMINAL ON 41 - TYPE DIAL
- § - TERMINAL ON TB1
- () - CURRENT COLOR CODE
- [] - MD COLOR CODE
- DP - DIAL PULSE CONTACTS
- FL - FLASH KEY
- HS - HEADSET ON-OFF KEY
- LS - LINE SWITCH
- ON - DIAL OFF-NORMAL CONTACTS

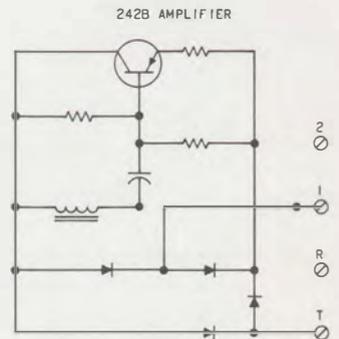
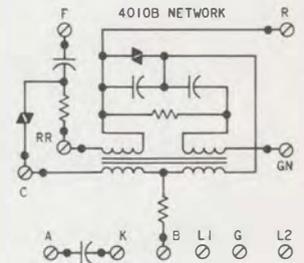
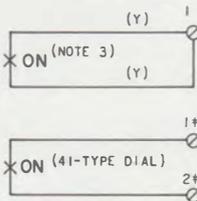


Fig. 2—663A1 Telephone Set, Connections