

SERVICE

500C/D AND 500DM TELEPHONE SETS

CONNECTIONS

1. GENERAL

1.01 This section contains information on the 500C/D manufacture discontinued (MD) and 500DM telephone sets (Fig. 1 and 2).

1.02 The reasons for reissuing this section are listed below. Revision arrows are used to emphasize the more significant changes.

- Include information on sets marked "1-PTY" manufactured after 6-1-82
- Include connection diagram of a "1-PTY" 500DM telephone set when equipped with all components which are intended for bridged ringer service only.

1.03 The 500DM telephone set *not* marked "1-PTY" is adaptable for all classes of line and ringer connections. Sets marked "1-PTY" on the base pan are not adaptable for multiparty service connections. If service other than individual or bridged ringing is required, a 500D2M telephone set base, housing, and handset must be ordered separately.

Note: If A-lead control feature is required, a 500MM telephone set must be ordered and installed.

1.04 Associated with the production of "1-PTY" telephone sets are changes in the ringer, line switch, network, and mounting cord jack. These

changes were not necessarily introduced simultaneously and therefore sets marked "1-PTY" may have one or more of the changes. Figure 3 is a partial schematic showing the connections when all the changes are incorporated. For sets with less than all the changes, refer to the following paragraphs for each new component.

(a) The 623D2 mounting cord jack replaces the 623D3 (500DM). The (G) lead of the jack terminates on L1 of network and (R) lead on A of network. The (Y) lead has been removed from 623D2 jack.

(b) The two-lead C4C ringer replaces the C4A (500DM). The (BK) lead terminates on L1 of network and (R) on K of network. The (S) and (S-R) ringer leads have been removed from the C4C ringer.

(c) The 843767104 line switch replaces the 812162956 (500DM). Contact "a" and (S) lead have been removed. Contact "b" (Y) lead terminates on A of network. The (BR) line switch lead at contact "c" terminates on C of network.

(d) The 4293-type network replaces the 4228-type (MD) network. Screw terminals "G" and "L2" have been removed.

1.05 Tables A and B contain line and ringer connection information on 500C/D (MD) and 500DM telephone sets.

NOTICE

This document is either
AT&T - Proprietary, or WESTERN
ELECTRIC - Proprietary

Pursuant to Judge Greene's Order of August 5, 1963, beginning on January 1, 1964, AT&T will cease to use "Bell" and the Bell symbol, with the exceptions as set forth in that Order. Pursuant thereto, any reference to "BELL" and/or the BELL symbol in this document is hereby deleted and "expunged".

SECTION 502-521-402

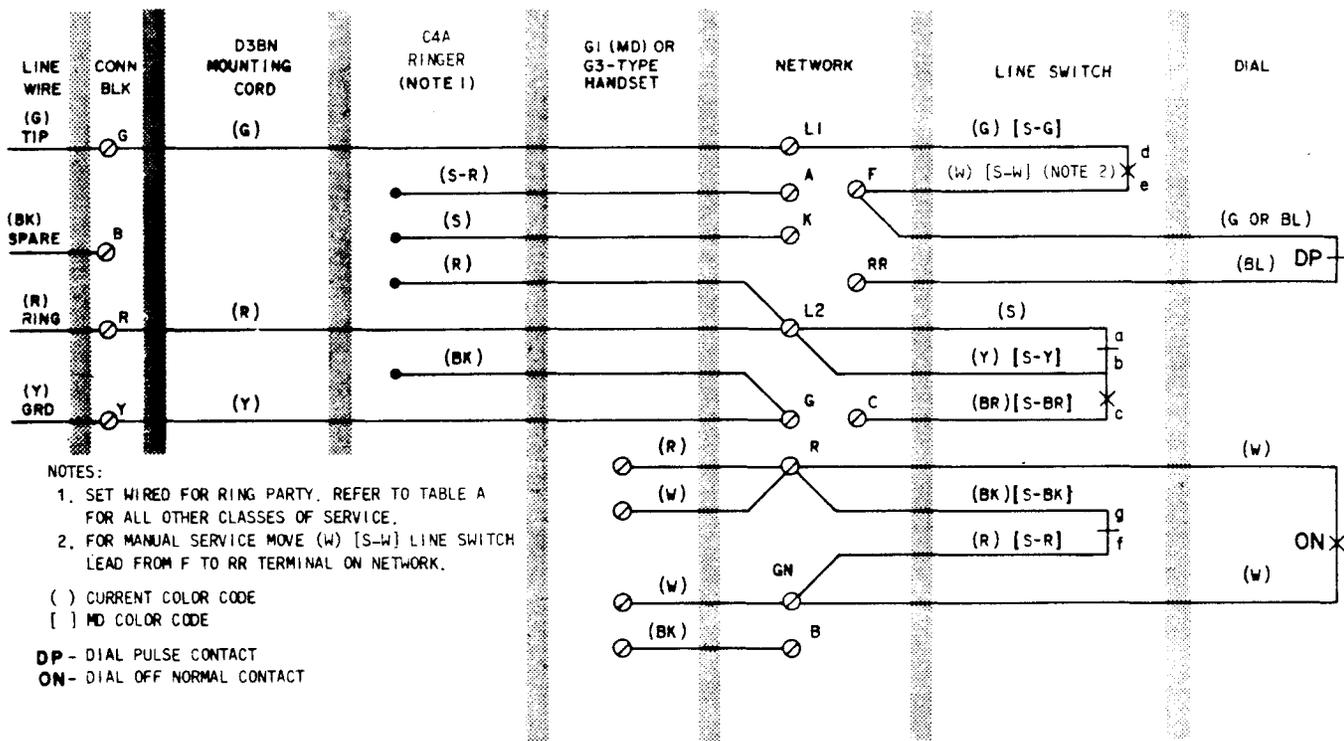


Fig. 1—500C/D (MD) Telephone Set, Connections

TABLE A

500C/D (MD) TELEPHONE SET CONNECTIONS

WIRE OR LEAD	COLOR	INDIV OR BRIDGED	RING PARTY	TIP PARTY NO IDENT GRD	TIP PARTY IDENT	
					1000Ω	2650Ω
Ringer Leads*	R	L2	L2	L2	K	B
	BK	G	G	G	G	B
	S	K	K	K	B	K
	S-R	A	A	A	B	G
Line Switch	S	L2	L2	L2	A	A
Mounting Cord at Conn Block	R	R	R	G	G	G
	G	G	G	R	R	R
	Y	G	Y	Y	Y	Y

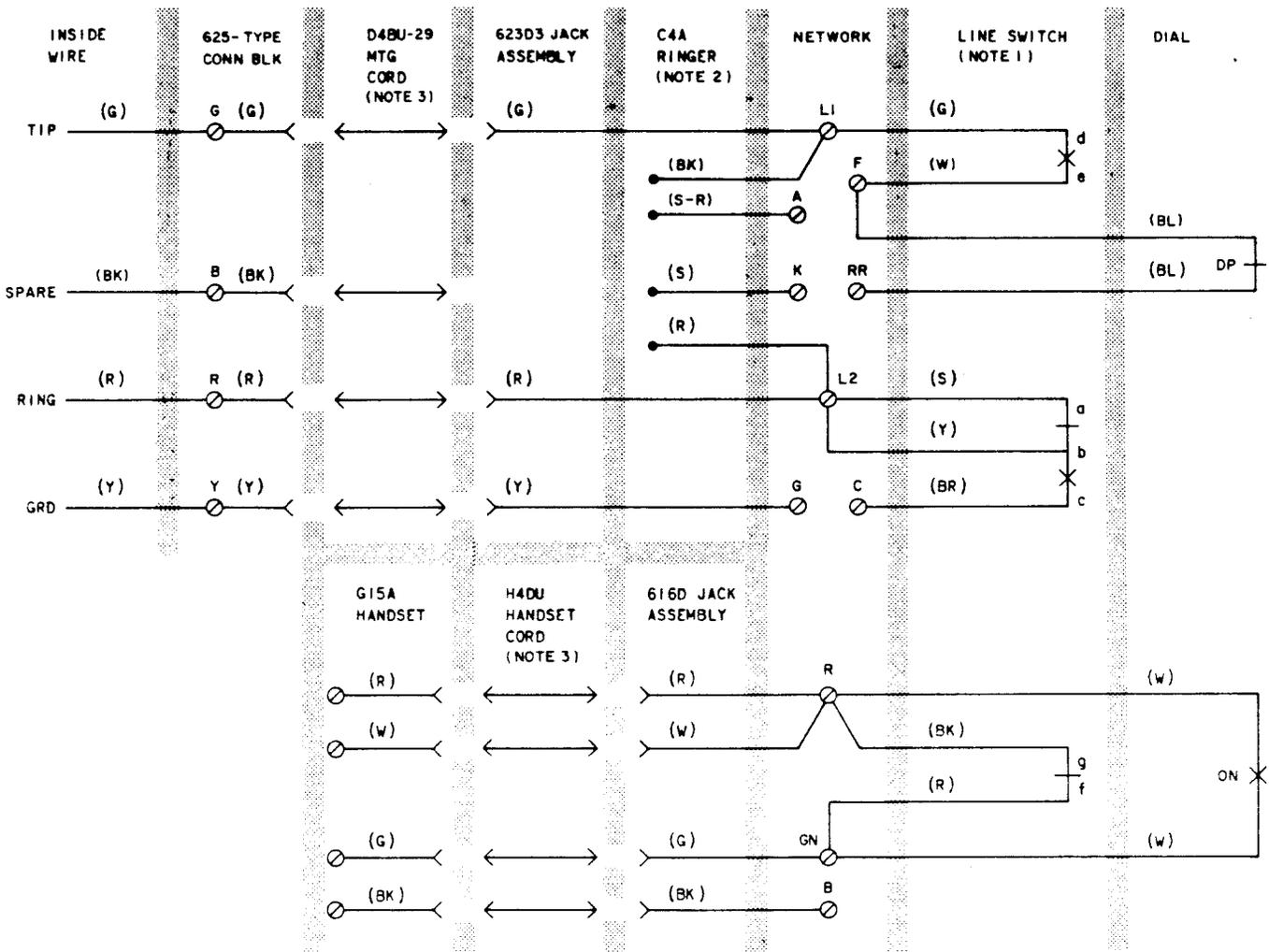
* To silence ringer for all classes of service, refer to Section 501-250-303.

TABLE B
500DM TELEPHONE SET LINE AND RINGER CONNECTIONS

WIRE OR LEAD	COLOR	INDIV OR BRIDGED	RING PARTY	TIP PARTY NO IDENT GRD	TIP PARTY IDENT GRD			
					NORMAL CONN		WHEN CONN TO L.L. EQUIP	
					1000Ω	2650Ω	1000Ω	2650Ω
Ringer Leads*	R	L2	L2	L1	K	B	B	G
	BK	L1	G	G	G	B	B	K
	S	K	K	K	B	K	G	B
	S-R	A	A	A	B	G	K	B
Line Switch Lead	S	L2	L2	L2	A	A	A	A
623D3 Jack Assembly in Set	R	L2	L2	L2	L1	L1	L1	L1
	G	L1	L1	L1	L2	L2	L2	L2
	Y	G	Y	Y	G	G	G	G

* To silence ringer for all classes of service, refer to Section 501-250-303.

SECTION 502-521-402

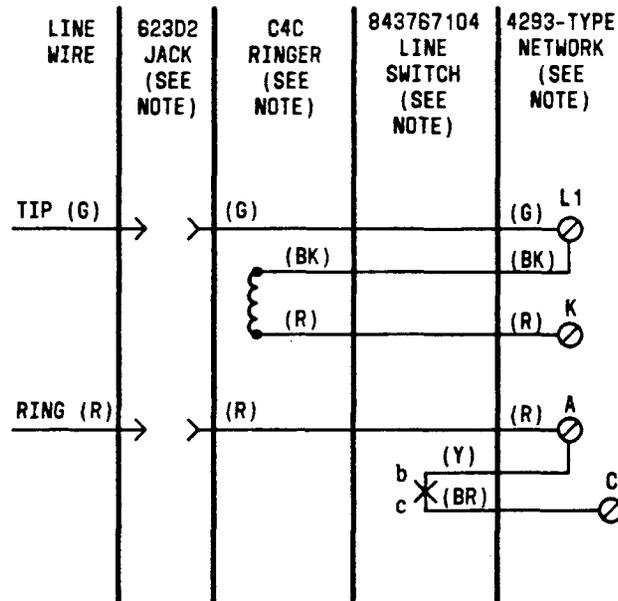


NOTES:

1. FOR MANUAL SERVICE, MOVE (W) LINE SWITCH LEAD FROM F TO RR TERMINAL ON NETWORK.
2. SET FACTORY WIRE FOR INDIVIDUAL OR BRIDGED RINGING. SEE TABLE B FOR OTHER CLASSES OF SERVICE.
3. MUST BE ORDERED SEPARATELY.

DP - DIAL PULSE CONTACT
 ON - DIAL OFF-NORMAL CONTACT

Fig. 2—500DM Telephone Set, Connections



NOTE:

THIS PARTIAL DRAWING SHOWS HOW A TELEPHONE SET MANUFACTURED AFTER 6-1-82 AND MARKED FOR "1-PTY" SERVICE CONNECTIONS IS WIRED IF IT IS EQUIPPED WITH ALL THE ABOVE LISTED COMPONENTS. A SET CAN BE MARKED "1-PTY" WITHOUT HAVING ALL THE LISTED COMPONENTS. IF THIS ARRANGEMENT IS ENCOUNTERED REFER TO THE FULL SCHEMATIC DRAWING OF THE TELEPHONE SET AND PARAGRAPH 1.04 (a) THROUGH (d) TO COMPARE DIFFERENCES IN THE WIRING.

Fig. 3—500DM Telephone Set, Connections (See Note)