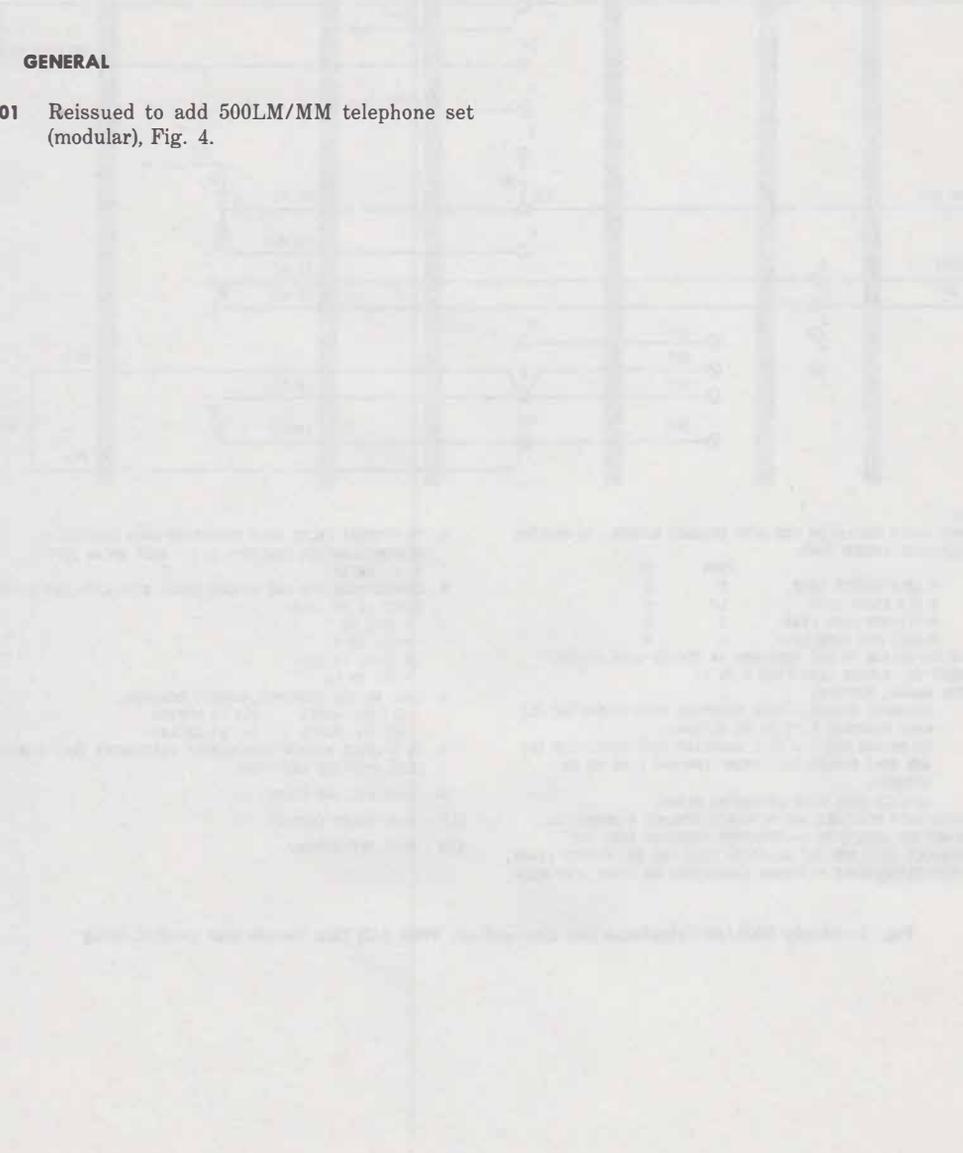


SERVICE
500L/M AND 500LM/MM TELEPHONE SETS

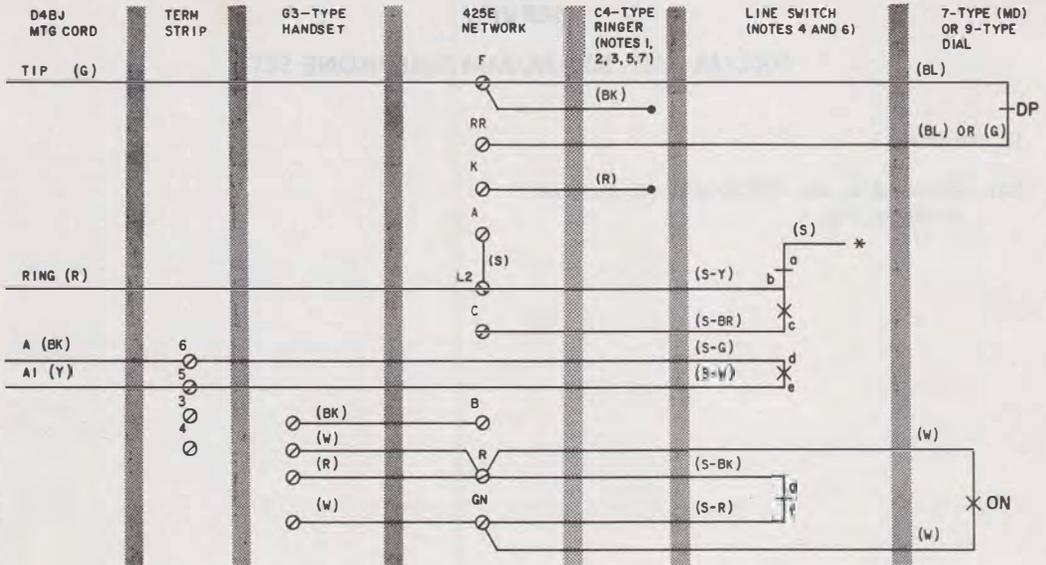
1. GENERAL

- 1.01** Reissued to add 500LM/MM telephone set (modular), Fig. 4.



NOTICE

Not for use or disclosure outside the
Bell System except under written agreement



NOTES:

1. SET WIRED FOR 1A1 OR 1A2 WITH BRIDGED RINGER. TO PROVIDE SEPARATE RINGER MOVE:

	FROM	TO
• (BK) RINGER LEAD	F	3
• (S) STRAP LEAD	L2	4
• (Y) MTG CORD LEAD	5	3
• (BK) MTG CORD LEAD	6	4

IF CAPACITOR IS NOT REQUIRED IN SERIES WITH RINGER MOVE (R) RINGER LEAD FROM K TO A.

2. FOR MANUAL SERVICE:

SEPARATE RINGER - MOVE MOUNTING CORD CONDUCTOR (G) FROM TERMINAL F TO RR ON NETWORK.

1A1 OR 1A2 KTS - MOVE MOUNTING CORD CONDUCTOR (G) AND (BK) RINGER LEAD FROM TERMINAL F TO RR ON NETWORK.

REPLACE DIAL WITH APPARATUS BLANK.

3. WHEN BOTH FEATURES ARE REQUIRED, REPLACE 4-CONDUCTOR MOUNTING CORD WITH 6-CONDUCTOR MOUNTING CORD AND CONNECT (BL) AND (w) LEADS TO (BK) AND (R) RINGER LEADS, RESPECTIVELY. USE D-161488 CONNECTORS OR SPARE TERMINALS.

4. TO PREVENT FALSE HOLD CONDITION WHEN HANDSET IS RESTORED, SWITCH CONTACTS b, c MUST BREAK BEFORE d, e BREAK.

5. CONNECTIONS FOR C4B RINGER SHOWN. SETS WITH C4A RINGER WIRED AS FOLLOWS:

- (BK) TO F
- (S) TO K
- (S-R) TO A
- (R) TO L2

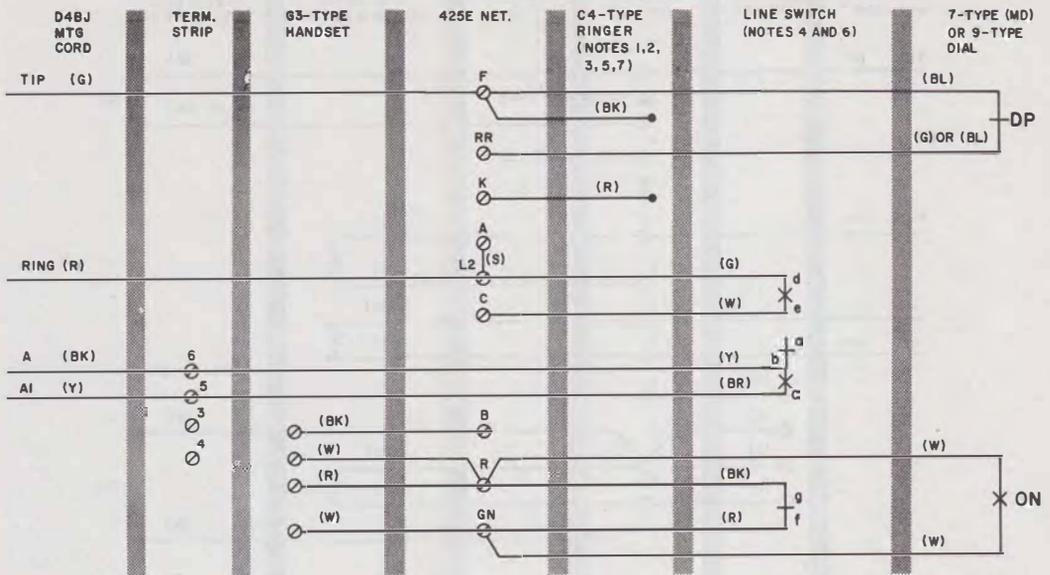
6. LINE SWITCH SEQUENCE, HANDSET REMOVED.

- (1) bc MAKES (3) ab BREAKS
- (2) de MAKES (4) gf BREAKS

7. TO SILENCE RINGER PERMANENTLY DISCONNECT (BK) RINGER LEAD. INSULATE AND STORE

- * INSULATE AND STORE
- DP - DIAL PULSE CONTACT
- ON - DIAL OFF-NORMAL

Fig. 1—Early 500L/M Telephone Set, Connections With MD Line Switch and Lead Colors



NOTES:

1. SET WIRED FOR IA1 OR IA2 KTS. TO PROVIDE SEPARATE RINGER MOVE:

	FROM	TO
● (BK) RINGER LEAD	F	3
● (S) STRAP LEAD	L2	4
● (Y) MTG CORD LEAD	5	3
● (BK) MTG CORD LEAD	6	4

IF CAPACITOR IS NOT REQUIRED IN SERIES WITH RINGER MOVE (R) RINGER LEAD FROM K TO A.

2. FOR MANUAL SERVICE:

SEPARATE RINGER—
MOVE MOUNTING CORD CONDUCTOR (G) FROM TERMINAL F TO RR ON NETWORK.

IA1 OR IA2 KTS—
MOVE MOUNTING CORD CONDUCTOR (G) AND (BK) RINGER LEAD FROM TERMINAL F TO RR ON NETWORK.

REPLACE DIAL WITH APPROPRIATE APPARATUS BLANK.

3. WHEN BOTH FEATURES ARE REQUIRED, REPLACE 4-CONDUCTOR MOUNTING CORD WITH 6-CONDUCTOR MOUNTING CORD AND CONNECT (BL) AND (W) LEADS TO (BK) AND (R) RINGER LEADS, RESPECTIVELY. USE D-161488 CONNECTORS OR SPARE TERMINALS.
4. TO PREVENT FALSE HOLD CONDITION WHEN HANDSET IS RESTORED, SWITCH CONTACTS d, e, MUST BREAK BEFORE b, c, BREAK.

5. CONNECTIONS FOR C4B RINGER SHOWN. SETS WITH C4A RINGER WIRED AS FOLLOWS:

- (BK) TO F
- (S) TO K
- (S-R) TO A
- (R) TO L2

6. LINE SWITCH SEQUENCE, HANDSET REMOVED.

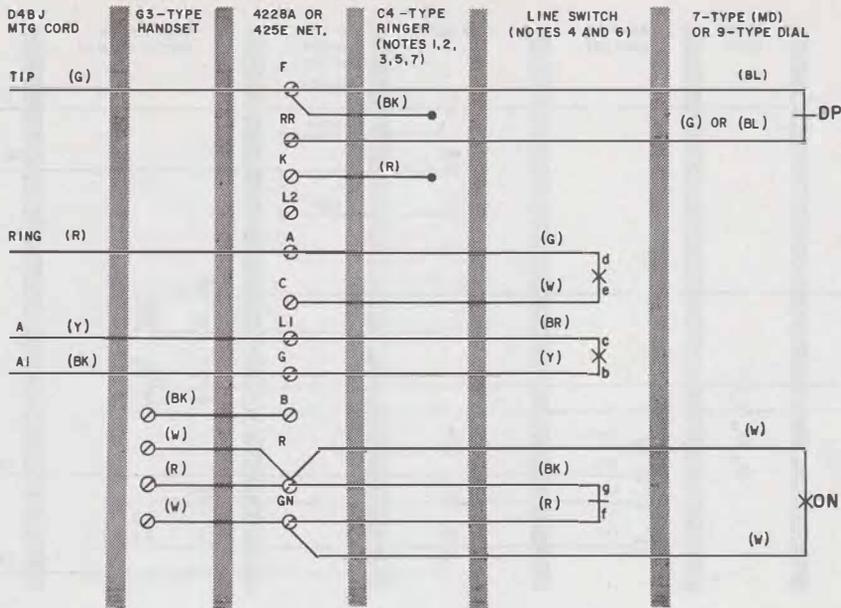
- (1) bc MAKES
- (2) de MAKES
- (3) gf BREAKS

7. TO SILENCE RINGER PERMANENTLY DISCONNECT (BK) RINGER LEAD. INSULATE AND STORE

DP DIAL PULSE CONTACT.

ON DIAL OFF-NORMAL CONTACT.

Fig. 2—Later 500L/M Telephone Set, Connections With Current Line Switch Lead Colors, and Terminal Strip



NOTES:

- SET WIRED FOR 1A1 OR 1A2. TO PROVIDE SEPARATE RINGER MOVE:

	FROM	TO
● (BK) RINGER LEAD	F	LI
● (R) RINGER LEAD	K	G

INSULATE AND STORE (BR) AND (Y) LINE SWITCH LEADS WHEN USING TERMINALS LI AND G FOR TIE POINTS BETWEEN RINGER AND MOUNTING CORD LEADS.

- FOR MANUAL SERVICE:

SEPARATE RINGER- MOVE MOUNTING CORD CONDUCTOR (G) FROM TERMINAL F TO RR ON NETWORK.
1A1 OR 1A2 KTS- MOVE MOUNTING CORD CONDUCTOR (G) AND (BK) RINGER LEAD FROM TERMINAL F TO RR ON NETWORK.

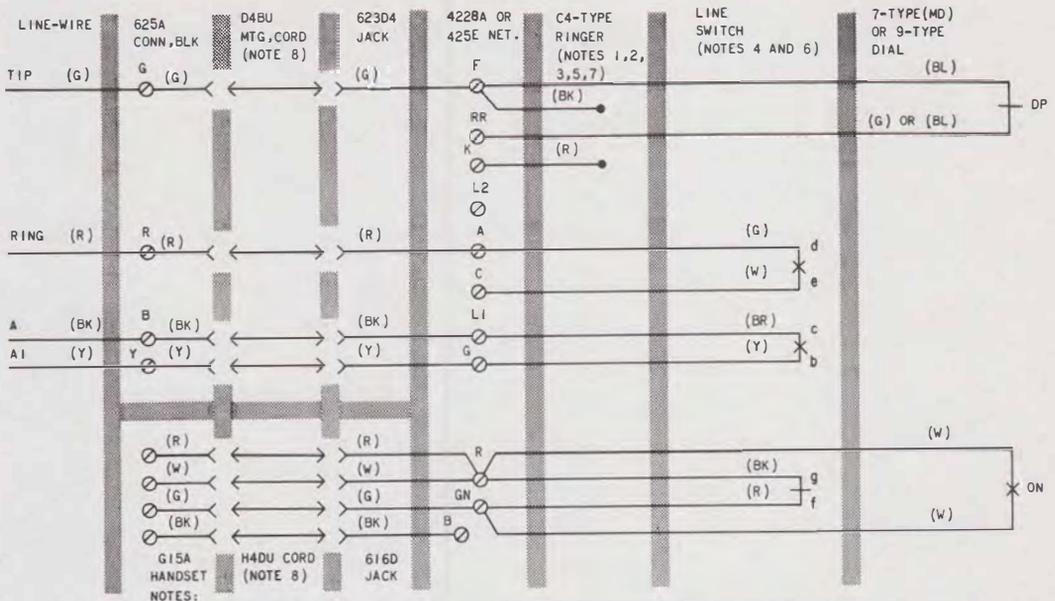
REPLACE DIAL WITH APPROPRIATE APPARATUS BLANK.

- WHEN BOTH FEATURES ARE REQUIRED, REPLACE 4-CONDUCTOR MTG CORD WITH 6-CONDUCTOR MTG CORD AND CONNECT (BL) AND (w) LEADS TO (BK) AND (R) RINGER LEADS, RESPECTIVELY. USE D-161488 CONNECTORS OR SPARE TERMINALS.
- TO PREVENT FALSE HOLD CONDITION WHEN HANDSET IS RESTORED, SWITCH CONTACTS d, e MUST BREAK BEFORE b, c BREAK.
- CONNECTIONS FOR C4B RINGER SHOWN. SETS WITH C4A RINGER WIRED AS FOLLOWS:
 - (BK) TO F
 - (S) TO K
 - (S-R) TO A
 - (R) TO L2
- LINE SWITCH SEQUENCE, HANDSET REMOVED.
 - (1) bc MAKES (3) gf BREAKS
 - (2) de MAKES
- TO SILENCE RINGER PERMANENTLY DISCONNECT (BK) RINGER LEAD INSULATE AND STORE.

DP -DIAL PULSE CONTACT

ON -DIAL OFF-NORMAL CONTACT.

Fig. 3—Current 500L/M Telephone Set, Current Connections for Sets not Equipped With Terminal Strip



NOTES:

1. SET WIRED FOR 1A1 OR 1A2 KTS WITH INDIVIDUAL (BRIDGED) RINGING. TO PROVIDE SEPARATE RINGER MOVE:

	FROM	TO
● (BK) RINGER LEAD	F	L1
● (R) RINGER LEAD	K	G

INSULATE AND STORE (BR) AND (Y) LINE SWITCH LEADS WHEN USING TERMINALS L1 AND G FOR TIE POINTS BETWEEN RINGER AND MOUNTING CORD LEADS.

2. FOR MANUAL SERVICE:

SEPARATE RINGER- MOVE MOUNTING CORD CONDUCTOR (G) FROM TERMINAL F TO RR ON NETWORK.

1A1 OR 1A2 KTS- MOVE MOUNTING CORD CONDUCTOR (G) AND (BK) RINGER LEAD FROM TERMINAL F TO RR ON NETWORK.

REPLACE DIAL WITH APPROPRIATE APPARATUS BLANK.

3. WHEN BOTH FEATURES ARE REQUIRED, REPLACE 623D4 JACK WITH D6AA-TYPE CORD AND 123A APPARATUS BLANK, AND CONNECT (BL) AND (W) LEADS TO (BK) AND (R) RINGER LEADS, RESPECTIVELY. USE D-161488 CONNECTORS. THE SET IS NO LONGER MODULAR AFTER THIS MODIFICATION.

4. TO PREVENT FALSE HOLD CONDITION WHEN HANDSET IS RESTORED, SWITCH CONTACTS d, e MUST BREAK BEFORE b, c BREAK.

5. CONNECTIONS FOR C4B RINGER SHOWN. SETS WITH C4A RINGER WIRED AS FOLLOWS:

- (BK) TO F
- (S) TO K
- (S-R) TO A
- (R) TO L2

6. LINE SWITCH SEQUENCE, HANDSET REMOVED.

(1) bc MAKES (3) fg BREAKS

(2) de MAKES

7. TO SILENCE RINGER PERMANENTLY, DISCONNECT (BK) RINGER LEAD INSULATE AND STORE.
8. H4DU HANDSET CORD AND D4BU MOUNTING CORD ARE ORDERED SEPARATELY.

DP- DIAL PULSE CONTACT

ON- DIAL OFF-NORMAL CONTACT

Fig. 4-500LM/MM Telephone Set, Connections