

## REFERENCE

### 2503-TYPE TELEPHONE SETS

#### 1. GENERAL

1.01 This section contains identification and connection information for the 2503C (MD) and 2503CM (modular) (Fig. 1) telephone sets. Refer to Section 502-500-110 for common maintenance information for 0- and 1-button telephone sets.

1.02 This section is reissued to:

- Include 818645707 (P-86D570) faceplate assembly, Table A

#### 2. IDENTIFICATION

2.01 The 2503-type telephone sets are desk sets intended for use in conjunction with other equipment to provide DATA-PHONE® data communications service.

2.02 **2503CM:** With the exclusion key nonoperated (normal position) this telephone set may be used with the J1D402B data set to provide data service with monitoring of computer-generated voice replies. With the exclusion key operated (up position) the set provides regular telephone service. To deactivate monitoring feature, refer to Fig. 3, Note 4.

2.03 **2503C:** With the exclusion key operated (up position) this telephone set may be used with the J1D402B data set to provide data service. With the exclusion key nonoperated (normal position) the set provides regular telephone service.

**Note:** The relationship of features to exclusion key differs in the 2503C and 2503CM telephone sets.

2.04 These telephone sets are used in Data Access Arrangements (DAA) where the customer-owned equipment is connected to the DDD network through a coupler. Fig. 2 and 3 provide connection information on the 2503C and 2503CM telephone

sets. The 2503CM is a modular set which is shipped with a G15A handset but without the H4DU handset cord or the D8AA mounting cord, **which must be ordered separately.**

2.05 For application of these telephone sets, refer to Division 590.

2.06 Table A lists replaceable components for these sets.

2.07 When a polarity guard is required with this set, install guard assembly (ordered separately) and connect as shown in Table B. Polarity guards should be installed only when authorized by local instructions to prevent battery and ground reversals encountered in end-to-end signaling installations.

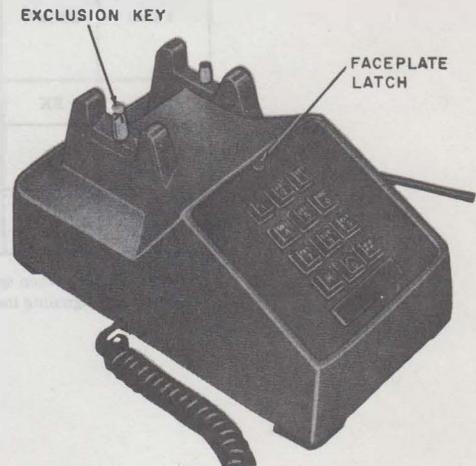


Fig. 1— 2503CM Telephone Set

#### NOTICE

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

◆ TABLE A ◆

## REPLACEABLE COMPONENTS

TEL SET (SEE NOTE)	HANDSET	DIAL	RINGER	HOUSING ASSY	MTG CORD	HANDSET CORD	MTG CORD JACK	HANDSET CORD JACK	FACEPLATE ASSY *
2503CM-61	G15A-61	35Y3D	H1B	840698088	D8AA-87	H4DU	641D	616D	818645707 (P-86D570)
2503C-61 (MD)	G3A6-61			818636615 (P-86C661)	D6AA-29	H4CJ or H4CL	—	—	

Note: These sets are available in Light Gray (-61) only.

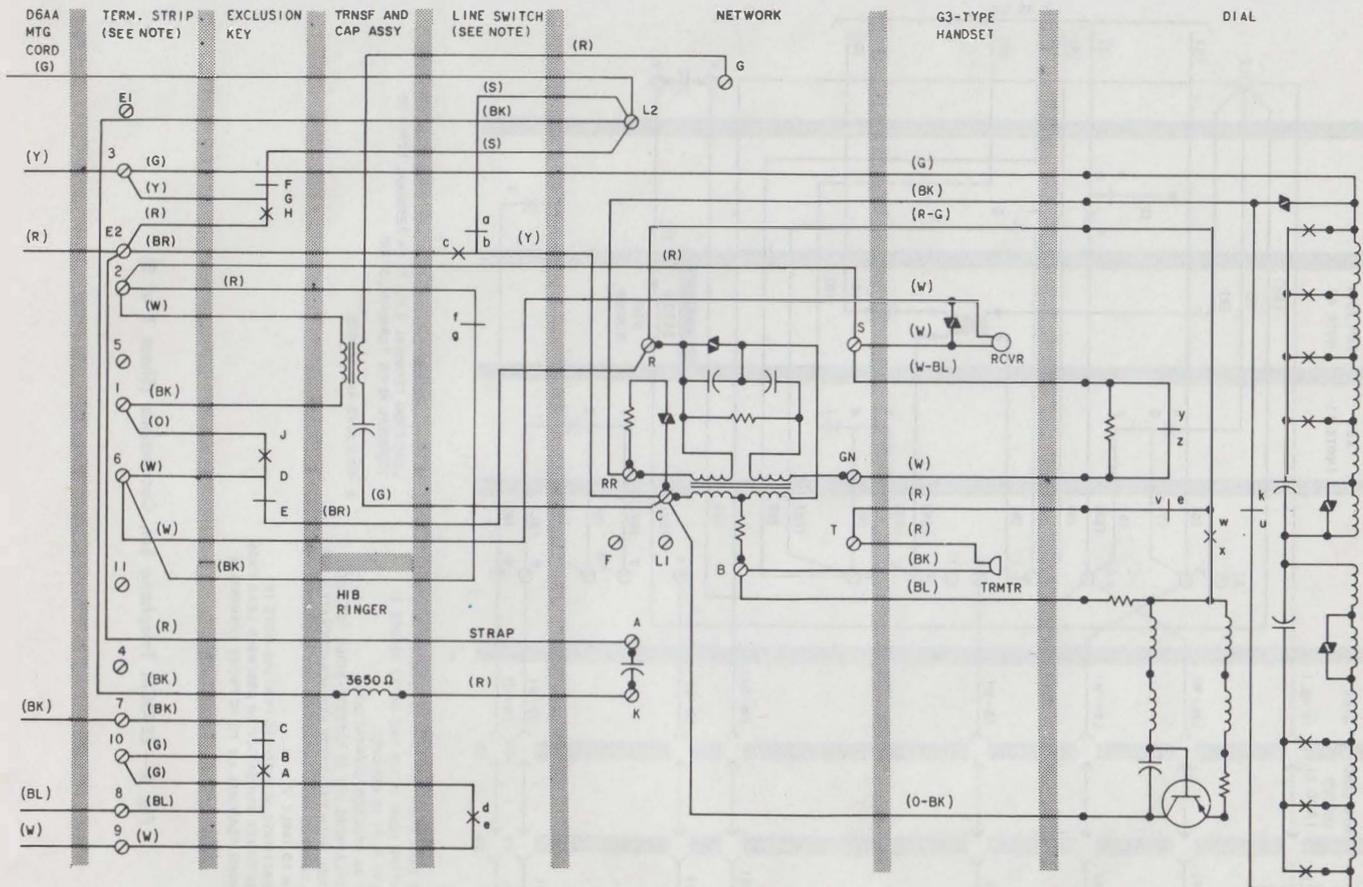
\* Includes 812558039 (P-25E803) card retainer.

TABLE B

POLARITY GUARD CONNECTIONS  
[819040528 (P-90D052) GUARD ASSEMBLY]

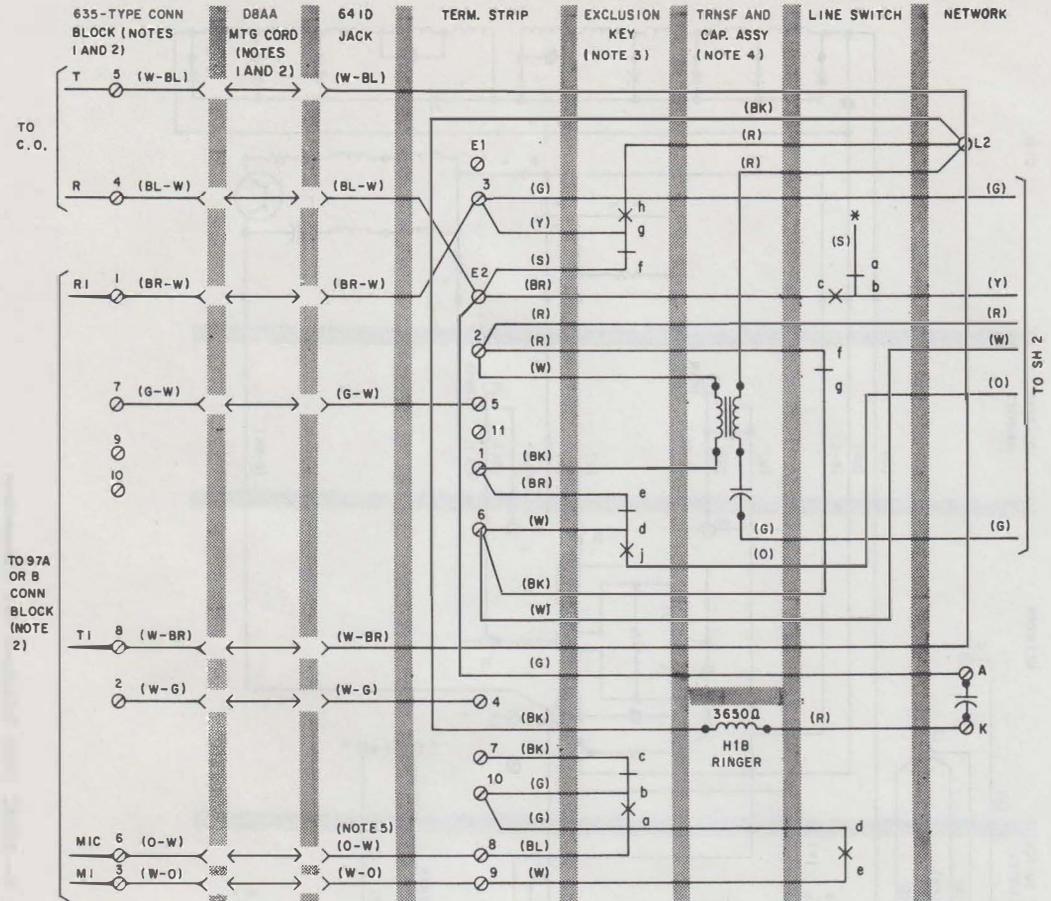
LEAD	COLOR	REMOVE FROM	CONNECT TO	
		NET.	NET.	POLARITY GUARD
Dial	BK	RR		T
Line Switch	Y	C		S
Polarity Guard	G W		RR C	

Note: For use when specified by local instructions for end-to-end signaling installations.



NOTE:  
 FOR MONITORING WITH EXCLUSION SWITCH  
 OPERATED, MOVE (R) LEAD FROM TERMINAL  
 6 TO TERMINAL L2.

Fig. 2—2503C (MD) Telephone Set, Connections



## NOTES:

1. WHEN DBAA MOUNTING CORD IS PLUGGED INTO THE 635-TYPE CONN BLOCK THE SHORT ACROSS T, T1, AND R, RI IS REMOVED.
2. MUST BE ORDERED SEPARATELY.
3. THE TELEPHONE SET IS FACTORY-WIRED FOR DATA CONTROL WITH EXCLUSION KEY NON-OPERATED. FOR DATA CONTROL WITH EXCLUSION KEY OPERATED REFER TO TABLE C.
4. TO DEACTIVATE MONITORING FEATURE MOVE (R) TRANSFORMER AND CAPACITOR ASSEMBLY LEAD FROM NETWORK TERMINAL L2 TO NETWORK TERMINAL 6
5. TO HAVE LINE SWITCH INDICATION ONLY, MOVE (O-W) 64ID JACK LEAD FROM TERMINAL 8 (OR 7) ON TERMINAL STRIP TO TERMINAL 10 ON TERMINAL STRIP.

\* INSULATED AND STORED.

Fig. 3—2503CM Telephone Set, Connections (Sheet 1 of 2)



TABLE C

TO PROVIDE DATA SET CONTROL WITH  
EXCLUSION KEY OPERATED (2503CM ONLY)

LEAD	COLOR	REMOVE FROM		CONNECT TO	
		TERM. STRIP	NET.	TERM. STRIP	NET.
Exclusion Key	S	E2			L2
	R		L2	E2	
	BR	1			R
	O		R	1	
641D Jack	O-W	8		7	