

REFERENCE

1660- AND 1663-TYPE TELEPHONE SETS

1. GENERAL

1.01 The 1660- and 1663-type (MD) telephone sets are desk-type, card dialer telephone sets which provide automatic and manual TOUCH-TONE® calling (Fig. 1, 2, and 3). They are similar in appearance and provide for the following optional features:

- End-to-end signaling
- Exclusion and/or 2-line pickup or 2-line pickup and hold on either line (1660-type)
- Operation with 3-type speakerphone
- Handset or headset operation (1663-type)

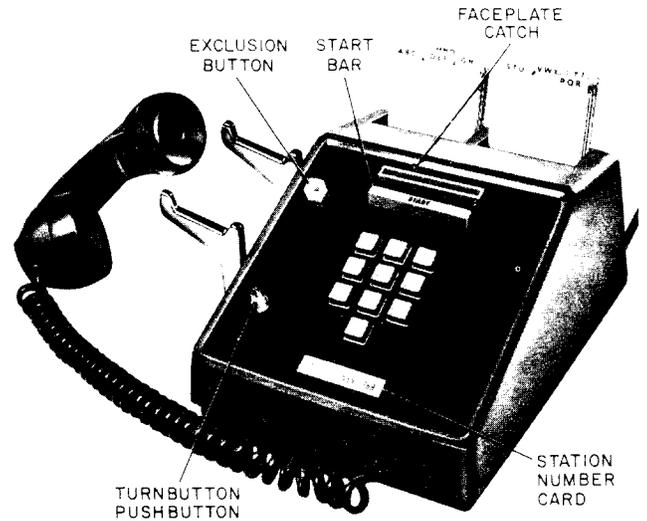


Fig. 2—1660A4 or 1660B4 Telephone Set



Fig. 1—1660A1 or 1660B1 Telephone Set



Fig. 3—1663-Type Telephone Set

1.02 This section replaces the identification information formerly found in Section 502-660-111.

1.03 The 1660-type set is furnished shop wired for individual or bridged, and ring party

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service. With wiring changes it may be used with 1A1 or 1A2 key telephone systems or for tip party service (with or without identification).

1.04 The 1663-type set is furnished shop wired for individual or bridged service and 1A1 or 1A2 key telephone system use. With wiring changes it may be used for ring party or tip party service (with or without identification).

1.05 These sets have electrical and transmission characteristics equivalent to 500-type sets and are available in all standard colors. Refer to Division 500 for promoted and nonpromoted colors.

2. IDENTIFICATION

2.01 Common major components of these sets are:

● Dial

26B (early models) or

26D for 1660A and 1663A types

26F for 1660B and 1663B types

● Handset, G3AR-*

● Network, 425K (early models had 425E or 425G)

● Ringer, M1A

● Line Switch Assembly:

P-27E649 for 1660-type

P-24E277 for 1663-type

*Add appropriate color suffix.

2.02 The 1660- and 1663-type telephone sets are equipped with TOUCH-TONE dials combined with card reader mechanisms. Early 1660A and 1663A type sets used a 26B (MD) dial which consisted of a 25D3 (MD) dial assembled to a card reading mechanism. Later sets use a 26D (MD) dial made up of a 25M3 (MD) dial and the card reader (Fig. 4 and 5). A 26D dial can replace a 26B dial, but a 26B dial cannot replace a 26D dial.

2.03 The 1660B and 1663B type telephone sets use a 26F (MD) dial which is a combination

of a 25R3 (MD) manual TOUCH-TONE dial (convertible from 10 to 12 buttons) and a card reader mechanism (Fig. 6). A D-180115 Kit of Parts is required to convert the 25R3 dial from 10 to 12 buttons. The card reader uses the electrical circuitry of the 25-type dial for multifrequency signaling. To facilitate end-to-end signaling, the 26F dial permits manual dialing when the card is in any stop position. A 26F dial can replace a 26D dial, but a 26D dial cannot replace a 26F dial.

2.04 Table A contains piece part information for these sets.

Optional Features

2.05 The 1660B and 1663B type sets have provisions for installing a P-90D012 guard assembly to provide for end-to-end signaling. The guard assembly mounts on the base of the set behind the network using mounting screws provided with the set (Fig. 6).

2.06 A D-180250 Kit of Parts is available for use in the 1660A and 1663A type sets whenever a polarity guard is required. The D-180250 Kit of Parts consists of a P-90D095 guard assembly which is made-up of a P-90D012 guard assembly, a P-22F193 guard mounting strip, and a P-43A393 screw. The guard assembly is mounted on the guard mounting strip which is attached to the cord retainer fastening.

2.07 The volume of the M1A ringer is adjustable by use of the volume control which is accessible from the bottom of the set. Ringer cutoff can be achieved by removal of the stop screw through an access hole in the base of the set.

2.08 A KS-8100 type buzzer can be mounted for use as an auxiliary signal. In the 1660A1 and 1660A3 telephone sets the buzzer mounts on the baseplate. In all other 1660- and 1663-type sets it is mounted on the network, using the spacer and screw provided.

1660-Type Sets

2.09 The 1660A1 or 1660B1 sets can be converted to provide 2-line pickup and hold (nonkey system) or exclusion and/or 2-line pickup by installing the proper kit of parts and mounting cord.

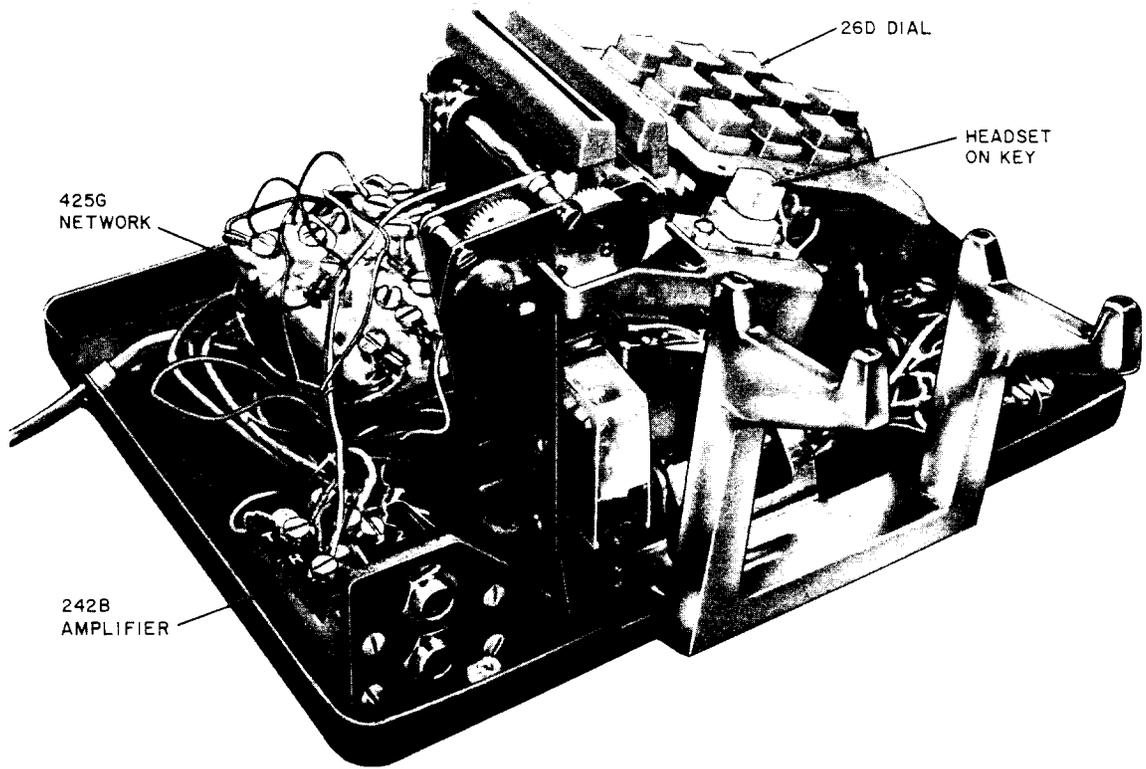


Fig. 4—1663A1 Telephone Set, Housing Removed

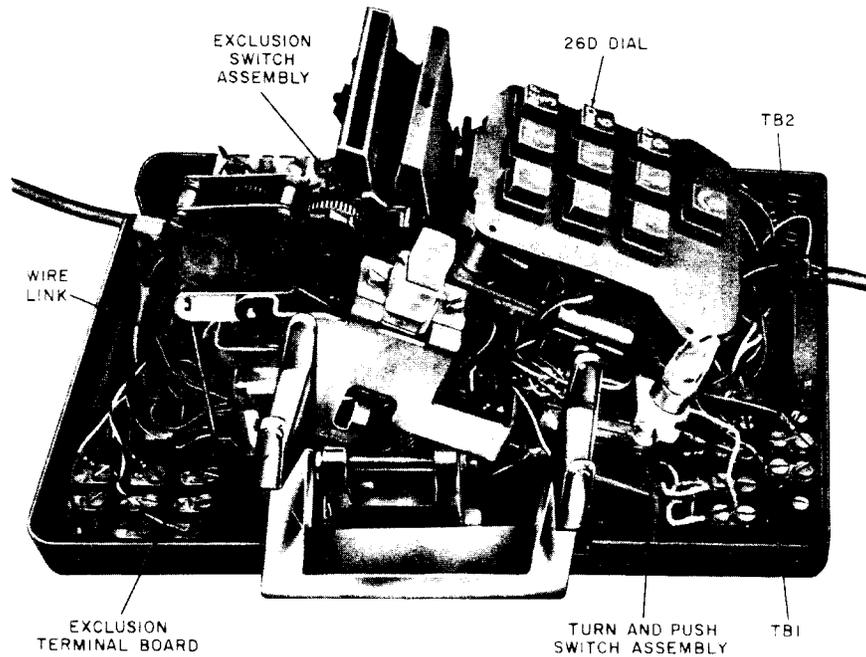


Fig. 5—1660A4 Telephone Set, Housing Removed

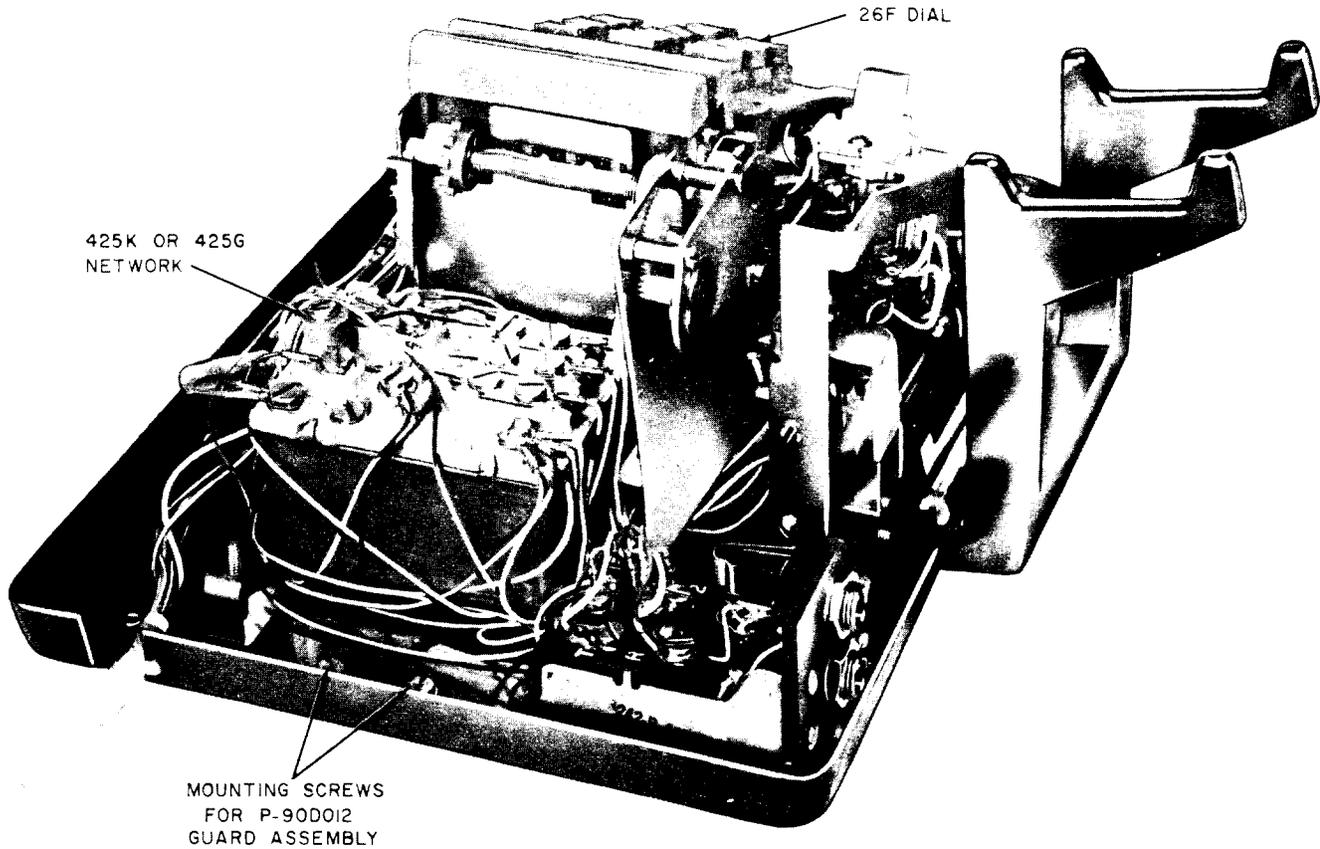


Fig. 6—1663B1 Telephone Set, Housing Removed

2.10 The exclusion feature, if provided, is actuated by pulling up on the plastic button at the top left of the faceplate (Fig. 2). The exclusion switch is connected to the line switch assembly by a wire link so that exclusion is canceled when the handset is restored to the line switch.

to permit either handset or headset operation (Fig. 4). The HEADSET ON key is located at the top left of the faceplate (Fig. 3). No provision is made for exclusion or 2-line pickup in these sets.

1663-Type Sets

2.11 The 1663A1 and 1663B1 telephone sets are equipped with an amplifier and headset jacks

TABLE A
PIECE PART ORDERING GUIDE

SET CODE*	MTG CORD*	HOUSING*	2-LINE KEY ASSY	HOLD KEY ASSY	EXCLUSION SWITCH ASSY	HEADSET KEY ASSY	AMPL	FACE-PLATE†	SUPER-SEDED FACE-PLATE
1660A1	D3BN	P-82B0—						P-83G3—	P-25E894
1660B1									P-26E625
1660A1	D6AF			P-21F211	P-21F208			P-83G6—	
1660B1									
1660A2	D6AF					P-24E456		P-83G4—	P-25E895
1660B2									P-26E626
1660A3	D10R			P-27E920				P-83G7—	P-25E897
1660B3									P-26E628
1660A4	D10R						P-24E456		P-83G6—
1660B4								P-26E627	
1663A1	D6AF	P-87C2—						P-83G5—	P-25E938
1663B1						P-26E936	242—		P-27E708

* Add color suffix

† Refer to Table B for appropriate color suffix for coordinated or matching color

‡ Converted for 2-line pickup and hold (nonkey system)

TABLE B
CONVERSION KIT ORDERING GUIDE

SET COLOR	COORDINATED COLOR	KIT NUMBER			
		1660A1 AND 166B1 WITH 2 LINE PICKUP AND HOLD (NONKEY SYSTEM)	1660A1 TO 1660A2 1660B1 TO 1660B2 (EXCN)	1660A1 TO 1660A3 1660B1 TO 1660B3 (2-LINE PICKUP AND SIG)	1660A1 TO 1660A4 1660B1 TO 1660B4 (2-LINE PICKUP AND EXCN)
Black (-03)	Charcoal (-70)	D-180124	D-180138	D-180146	D-180154
Green (-51)	Lt Green (-71)	D-180125	D-180139	D-180147	D-180155
Red (-53)	Muted Red (-69)				
Yellow (-56)	Lt Yellow (-72)	D-180126	D-180140	D-180148	D-180156
White (-58)	Lt Gray (-73)	D-180127	D-180141	D-180149	D-180157
Rose Pink (-59)	Muted Pink (-74)	D-180128	D-180142	D-180150	D-180158
Lt Beige (-60)	Muted Beige (-75)	D-180129	D-180143	D-180151	D-180159
Lt Gray (-61)	Charcoal (-70)	D-180124	D-180138	D-180146	D-180154
Aqua Blue (-62)	Muted Blue (-76)	D-180130	D-180144	D-180152	D-180160
Turquoise (-64)	Muted Turquoise (-77)	D-180131	D-180145	D-180153	D-180161

TABLE C
MOUNTING CORD AND FACEPLATE
ORDERING GUIDE

CONVERTED TELEPHONE SETS	MTG CORD*	FACEPLATE†
1660A1 and 1660B1 with 2 Line Pickup and Hold (Nonkey System)	D6AF	P-83G6-
1660A1 to 1660A2 1660B1 to 1660B2 (Exclusion)		P-83G4-
1660A1 to 1660A3 1660B1 to 1660B3 (2-Line Pickup and Sig- naling)	D10R	P-83G7-
1660A1 to 1660A4 1660B1 to 1660B4 (2-Line Pickup and Ex- clusion)		P-83G6-

* Mounting cord must be ordered separately.

† Color suffix must be added. Coordinated color faceplates are furnished with the conversion kit. These colors are shown in Table B. Matching faceplates are optional and must be ordered separately. For these faceplates use set color suffix.