

REFERENCE

660- AND 663-TYPE TELEPHONE SETS

1. GENERAL

1.01 This section is reissued to:

- Revise Tables A and B
- Add 4-type speakerphone information
- Add G3A6 handset.

1.02 The 660- and 663-type telephone sets are desk-type, card dialer sets which provide for automatic and manual dialing (Fig. 1 and 2). They are similar in appearance and operation and provide for the following optional features:

- Exclusion (660-type)
- Operation with 3- or 4-type speakerphone (660-type)
- Handset or headset operation (663-type)



Fig. 1—660-Type Telephone Set

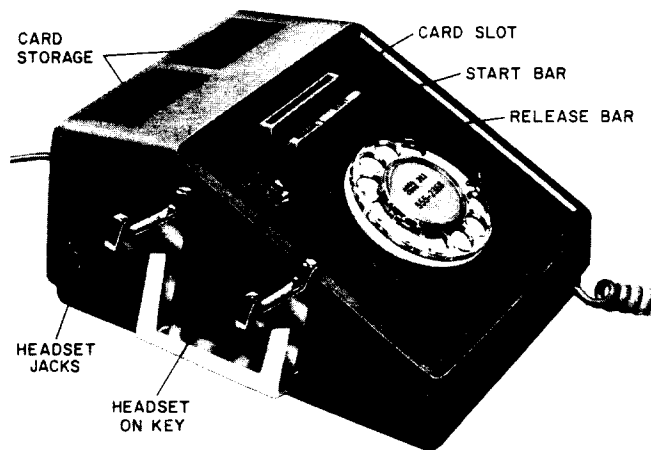


Fig. 2—663-Type Telephone Set

1.03 These sets are furnished wired for individual or bridged, and ring and tip party service. With wiring changes they may be used for tip party identification or with 1A1 or 1A2 key telephone systems.

1.04 These sets have electrical and transmission characteristics equivalent to 500-type sets and are available in all standard colors.

1.05 For connection information refer to the appropriate Service section in Division 502.

1.06 To install exclusion switch or for common installation and maintenance information, refer to Section 502-600-102.

2. IDENTIFICATION

Ordering Guide

2.01 To order a complete telephone set list as follows:

- Set, Telephone, 660A1-*
- Set, Telephone, 663A1-*

SECTION 502-601-120

2.02 Refer to Table A for piece part ordering guide.

2.03 Common major components of these sets are:

- Dials, 8R-58 and 41-type
- Handset, G3A6
- Ringer, C4B

* Add color suffix.

2.04 The 660- and 663-type telephone sets are equipped with either an 8C or 8R dial and a 41-type dial (Fig. 3 and 4). The 41-type dial is an electromechanical dial driven by an ac synchronous motor. Refer to Division 501 for detailed description and power supply selection for the 41-type dial.

Note: Sets manufactured before June, 1966 were equipped with the 41A dial. Sets marked with an asterisk following the set code or a manufacture date of 6-66 or later are equipped with the 41B dial. These dials have different power requirements.

2.05 The 41-type dial is operated by inserting a coded card in the card slot and depressing the START bar. The card is fed past the reader mechanism, and the coded portion of the card controls the output of the dial. If the user wishes to stop the call during the automatic dialing process, depressing the RELEASE bar will eject the card without further pulsing.

2.06 Two 812452381 or P-24E238 packages, each containing twenty code cards, and one 811353630 or P-13E363 card index set consisting of nine alphabetical spacer cards are furnished with each set.

2.07 The volume of the C4-type ringer is adjustable in four steps by use of the volume control wheel (accessible from the bottom of the set).

Ringer cutoff can be provided by bending the stop tab and moving the volume control wheel to a fifth step. The C4B ringer is a 2-lead ringer for use where tip party identification is not required.

Optional Features

2.08 If speakerphone is desired with the 660-type telephone set the 8R dial must be replaced with an 8C dial ordered separately.

2.09 Refer to Division 512 for connections to the 3- or 4-type speakerphone.

2.10 If tip party identification service is required, a C4A ringer must be provided and installed. To install ringer, refer to Section 502-600-102.

2.11 The 660A1 set can be converted to provide exclusion by installing a kit of parts (Table B). A D10R-87 mounting cord must also be ordered separately and installed.

2.12 When exclusion feature is added to the 660A1, the telephone set code is changed to a 660A2.

2.13 The exclusion feature, if provided, is actuated by pulling up on the plastic button at the top left of the faceplate (Fig. 1). The exclusion switch is connected to the line switch assembly by a wire link so that exclusion is canceled when the handset is restored.

2.14 The 663A1 set is equipped with a 242B or 242A (MD) amplifier and headset jacks to permit either handset or headset operation (Fig. 4). The HEADSET ON key is located at the top left of the faceplate (Fig. 2). No provision is made for exclusion in these sets.



A headset must be ordered separately. The type of headset should be determined by customer requirements.

◆ TABLE A ◆

PIECE PART ORDERING GUIDE

| TELEPHONE SET | | HOUSING | MTG CORD | COORDINATED FACEPLATE | |
|---------------|--------------------|--------------------------|-------------|-----------------------|--------------------------|
| CODE | COLOR | | | COLOR | PART NO. |
| 660A1 | Black (-03) | 818220030 or P-82B003 | D6AF-87 | Charcoal (-70) | 818963704 or P-89F370 |
| | Ivory (-50) | 818220501 or P-82B050 | | Muted Ivory (-80) | 818963803 or P-89F380 |
| | Green (-51) | 818220519 or P-82B051 | | Lt Green (-71) | 818963712 or P-89F371 |
| | Red (-53) | 818220535 or P-82B053 | | Muted Red (-69) | 818963696 or P-89F369 |
| | Yellow (-56) | 818220568 or P-82B056 | | Lt Yellow (-72) | 818963720 or P-89F372 |
| | White (-58) | 818220584 or P-82B058 | | Lt Gray (-73) | 818963738 or P-89F373 |
| | Lt Beige (-60) | 818220600 or P-82B060 | | Muted Beige (-75) | 818963753 or P-89F375 |
| | Aqua Blue (-62) | 818220626 or P-82B062 | | Muted Blue (-76) | 818963761 or P-89F376 |
| 660A2 | Black (-03) | 818220030 or P-82B003 | D10R-87 | Charcoal (-70) | 818964702 or P-89F470 |
| | Ivory (-50) | 818220501 or P-82B050 | | Muted Ivory (-80) | 818964801 or P-89F480 |
| | Green (-51) | 818220519 or P-82B051 | | Lt Green (-71) | 818964710 or P-89F471 |
| | Red (-53) | 818220535 or P-82B053 | | Muted Red (-69) | 818964694 or P-89F469 |
| | Yellow (-56) | 818220568 or P-82B056 | | Lt Yellow (-72) | 818964728 or P-89F472 |
| | White (-58) | 818220584 or P-82B058 | | Lt Gray (-73) | 818964736 or P-89F473 |
| | Lt Beige (-60) | 818220600 or P-82B060 | | Muted Beige (-75) | 818964751 or P-89F475 |
| | Aqua Blue (-62) | 818220626 or P-82B062 | | Muted Blue (-76) | 818964769 or P-89F476 |

◆ TABLE A (Cont) ◆

PIECE PART ORDERING GUIDE

| TELEPHONE SET | | HOUSING | MTG CORD | COORDINATED FACEPLATE | |
|---------------|--------------------|--------------------------|-------------|-----------------------|--------------------------|
| CODE | COLOR | | | COLOR | PART NO. |
| 663A1 | Black (-03) | 818732034 or P-87C203 | D6AF-87 | Charcoal (-70) | 818965709 or P-89F570 |
| | Ivory (-50) | 818732505 or P-87C250 | | Muted Ivory (-80) | 818965808 or P-89F580 |
| | Green (-51) | 818732513 or P-87C251 | | Lt Green (-71) | 818965717 or P-89F571 |
| | Red (-53) | 818732539 or P-87C253 | | Muted Red (-69) | 818965691 or P-89F569 |
| | Yellow (-56) | 818732562 or P-87C256 | | Lt Yellow (-72) | 818965725 or P-89F572 |
| | White (-58) | 818732588 or P-87C258 | | Lt Gray (-73) | 818965733 or P-89F573 |
| | Lt Beige (-60) | 818732604 or P-87C260 | | Muted Beige (-75) | 818965758 or P-89F575 |
| | Aqua Blue (-62) | 818732620 or P-87C262 | | Muted Blue (-76) | 818965766 or P-89F576 |

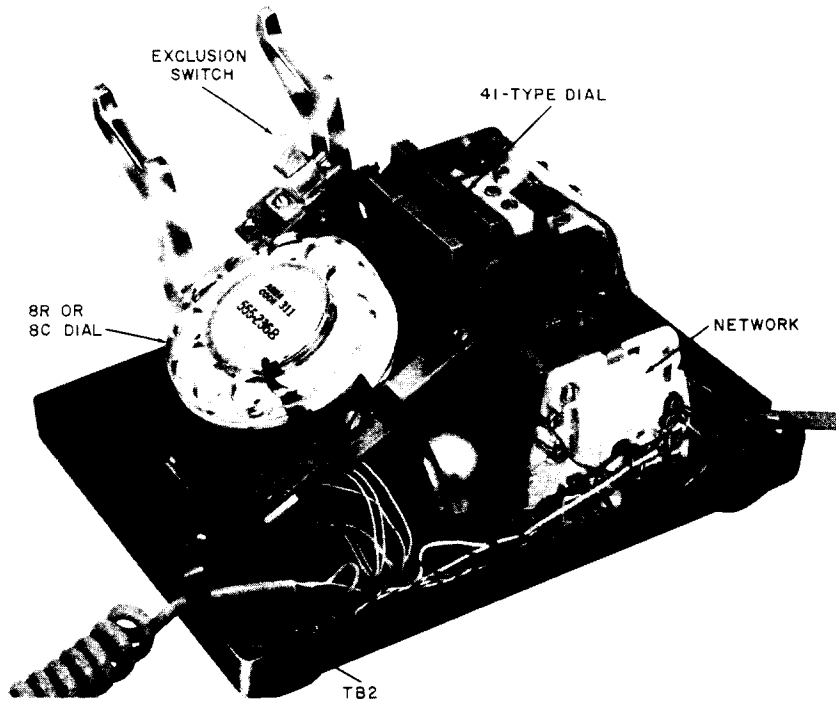


Fig. 3—660-Type Telephone Set, Housing Removed

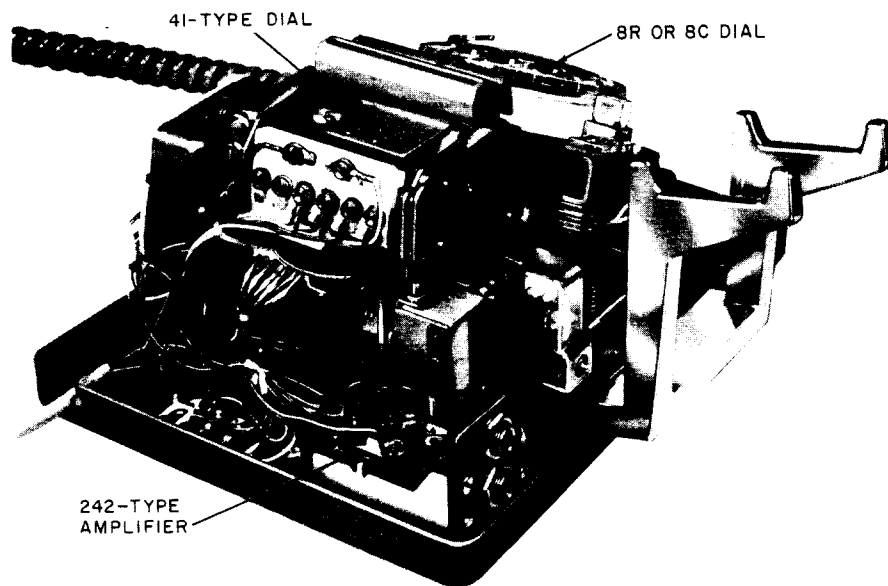


Fig. 4—663-Type Telephone Set, Housing Removed

◆ TABLE B ◆

**ORDERING GUIDE TO PROVIDE EXCLUSION FEATURE
(CONVERTING 660A1 TO 660A2)**

| SET COLOR | KIT NUMBER | MTG CORD * | COORDINATED FACEPLATE† | |
|--------------------|---------------|------------------|------------------------|--------------------------|
| | | | COLOR | PART NO. |
| Black (-03) | D-180266 | D10R-87 | Charcoal (-70) | 818964702 or P-89F470 |
| Ivory (-50) | D-180353 | | Muted Ivory (-80) | 818964801 or P-89F480 |
| Green (-51) | D-180267 | | Lt Green (-71) | 818964710 or P-89F471 |
| Red (-53) | D-180265 | | Muted Red (-69) | 818964694 or P-89F469 |
| Yellow (-56) | D-180268 | | Lt Yellow (-72) | 818964728 or P-89F472 |
| White (-58) | D-180269 | | Lt Gray (-73) | 818964736 or P-89F473 |
| Lt Beige (-60) | D-180271 | | Muted Beige (-75) | 818964751 or P-89F475 |
| Aqua Blue (-62) | D-180272 | | Muted Blue (-76) | 818964769 or P-89F476 |

* Mounting cord must be ordered separately.

† Coordinated color faceplates are furnished with the conversion kit,
faceplates can also be ordered separately.

Note: The conversion kits listed replace the D-179888 Kit of Parts which
is rated MD.

◆ TABLE B ◆

FACEPLATES AND MATS

| TEL SET | FACEPLATE ASSEMBLY | FACEPLATE ONLY | MATS ONLY |
|----------|--------------------|-------------------------|-------------------------------------|
| 609-type | 21L1-71 | 812066108 (P-20F610) | 818866717 (P-88F671) — Lt. Green |
| | | | 818866782 (P-88F678) — Silver |
| | | | 818866790 (P-88F679) — Gold |
| 617-type | 42A1-70 | 812066207 (P-20F620) | 818867707 (P-88F770) — Charcoal |
| | | | 818867780 (P-88F778) — Silver |
| | | | 818867798 (P-88F779) — Gold |
| 625A1 | 20M1-71 | 812066215 (P-20F621) | 812066264 (P-20F626) — Lt. Green |