

G36-TYPE HANDSETS

IDENTIFICATION, CONNECTIONS, AND MAINTENANCE

1. GENERAL

1.01 The G36-type handset (Fig. 1 and 2) is used as a replacement handset on 500-, 600-, 700-, 2500-, 2600-, and 2700-type telephone sets when used with subscriber long route designs where 3.0db of transmission gain or low current operation is required.



Fig. 1—G36A Handset

1.02 An information card giving basic installation instructions and an identification label to be attached to the telephone set base for identification of G36-type handset equipped sets is furnished with each handset.

2. IDENTIFICATION

2.01 The code G36 is imprinted in a contrasting color on the handset handle adjacent to the

property marking on each handset for easy identification.



Fig. 2—G36AM Handset

Ordering Guide

2.02 Basic Handsets:

- Set, Hand, G36A-* (nonmodular)
- Set, Hand, G36AM-* (modular)

2.03 Ordered Separately:

- Cord, Handset, H4DU (G36AM modular)
- Jack, 616W (required for field conversion of a nonmodular handset to a modular handset)

2.04 Replaceable Components:

- P-80A1* transmitter cap

- P-80A2* receiver cap
- 616W Jack
- Cord, Handset, H4CJ* (used in place of H4CT handset cord for field replacement on the G36A handset)

* Add color suffix for color desired as follows: Black (-03), Ivory (-50), Green (-51), Red (-53), Yellow (-56), White (-58), Rose Pink (-59), Light Beige (-60), and Aqua Blue (-62).

3. CONNECTIONS

3.01 Connect the G36A (nonmodular) handset cord to rotary dial equipped telephone sets as follows:

H4CT Handset Cord Lead Colors	(R)	(BK)	(G)	(Y)
Tel Set Net. Terms	R	B	GN	R

3.02 When connecting the G36A handset to a telephone set equipped with a TOUCH-TONE[®] dial, the dial must be equipped with a common switch contact arrangement to prevent dial sidetone amplification by the handset amplifier. If the set contains a 25A3(MD), 25B3(MD), or 25H4(MD) dial, refer to Table A for recommended replacements. Refer to the appropriate telephone set connection figure in Division 502 to connect the dial leads, and Table B for handset cord lead connections.

3.03 When connecting the G36A handset to 1660-series (MD) card dialer telephone sets equipped with a 26B(MD) or 26D(MD) dial, install a 26F (10-button) dial or 36D (12-button) dial. Refer to the appropriate telephone set connection figure to connect dial leads, and Table B for handset cord lead connections.

3.04 To connect the jack-equipped G36AM (modular) handset to a telephone set, install a H4DU handset cord (ordered separately) between the handset and jack-equipped telephone set.



The G36-type handset does not contain a polarity guard. Be sure that positive voltage (+) is connected to the red (R) handset cord lead, and negative voltage (-) to the black (BK) handset cord lead. Wrong polarity will not damage the handset but will prevent the handset from functioning properly and sidetone will not be heard. To correct for wrong polarity, reverse tip and ring at the telephone set or station protector and rewire ringer as necessary.

3.05 Attach the identification label (furnished with information card) to desk telephone set baseplate at location shown in Fig. 3. On wall sets, peel off only one-half the label backing and attach the label (in a conspicuous area) inside the telephone set. When a wall set equipped with a G36-type handset is removed from service remove the label from the interior of the set peel off backing on unused half and attach the label to the outside of set to identify set as being equipped with a G36-type handset.

3.06 Test operation of the telephone set after installing a G36-type handset per local instructions.

4. FIELD CONVERSION TO MODULAR

4.01 The nonmodular G36A handsets are equipped with a special convertible transmitter cup so they can be converted to modular type (G36AM) by the addition of a 616W jack (ordered separately). Convert the handset as follows:

- (1) Remove the transmitter cap, transmitter unit, and transmitter board assembly.
- (2) Remove the (4) spade-tipped handset cord leads from the handset.
- (3) Install the 616W jack (ordered separately) by snapping the jack into the cutout provided on the transmitter cup at location shown in Fig. 2.
- (4) Connect and dress the leads from the 616W jack to the transmitter board terminals as indicated in Fig. 4.

Note: Dress the jack leads through the wire retainer cutout on the transmitter board.

- (5) Reassemble the transmitter board in the handset and replace transmitter cap on handset.
- (6) Install a H4DU handset cord (ordered separately) between the handset cord jack and the jack-equipped telephone set.



Handsets are to be converted to the modular concept in the field only when specified by local instructions. Care should be taken when inserting the P-48V214 transmitter unit into the transmitter cup. To ensure proper transmitter connection, the slot on the frame of the transmitter unit must align with the tab inside the transmitter cup.

TABLE A

DIAL REPLACEMENT

10-BUTTON MD DIALS	REPLACED BY	
	1ST CHOICE 10-BUTTON	2ND CHOICE 12-BUTTON
25A3(MD)	25W3	35A3A 35Y3A 35Y3D
25B3(MD)	25Y3	35C3A 35AF3A
25H4(MD)	25P4	35E4A 35AD4A

5. MAINTENANCE

- 5.01 Maintenance of the G36-type handset is limited to the following:
- Replacing cracked or broken receiver and transmitter caps

TABLE B

TOUCH-TONE DIAL
EQUIPPED TELEPHONE SETS

HANDSET CORD LEAD COLORS		TEL SET CONN
H4CT	H4CJ	
(Y)	(W)[Y]	R Term. on net.
(BK)	(BK)	3 Term. on net.
(R)	(R)	*
(G)	(W)[G]	†

* Connect to same network terminal as (R) dial lead.

† Connect to same network terminal as (W-BL) dial lead.

[] Lead colors designated in 5.02(2).

- Replacing 616W jack
- Replacing defective handset cords
- Cleaning with dampened cloth.

Caution: Do not use cleaning fluids or antirust compounds on transmitter or receiver units or other component parts of the handset. Discoloration or tarnish on the silver-plated contact surfaces is not objectionable and no attempt should be made to remove it.

5.02 The H4CT handset cord furnished with the G36A handset is not available for field replacement. If the original cord requires replacement, modify and install a H4CJ handset cord (ordered separately) as follows:

- (1) Carefully remove the outer plastic covering on the conductors (handset end of cord) to within 1-1/2 inch of the cord stay. **Do not cut lead insulation.**

- (2) Tone-out and identify one white (W) conductor, designate it yellow (Y). Loose knots may be tied in the conductor for identification purposes. The other (W) conductor then becomes the green (G) conductor.
- (3) Connect the new cord conductors to the transmitter board terminals (Fig. 4). Dress the conductors together into the wire retainer cutout on the transmitter board.



Care should be taken when inserting the P-48V214 transmitter unit into the transmitter cup. To ensure proper transmitter connection, the slot on the frame of the transmitter unit must align with the tab inside the transmitter cup.

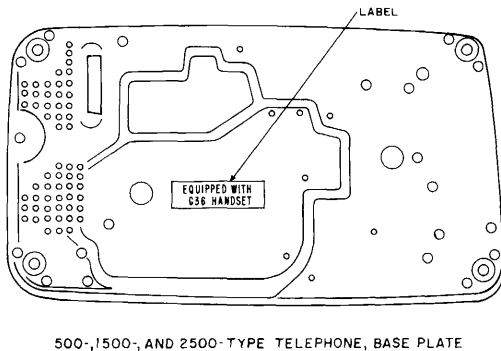
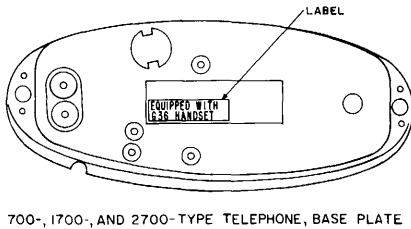
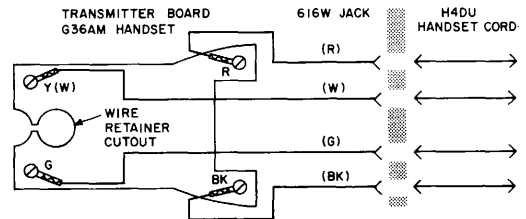
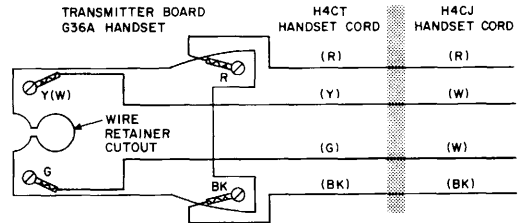


Fig. 3—Typical Baseplates with Label Attached



NOTE:
IN ORDER FOR THE TRANSMITTER BOARD TO FIT PROPERLY IN THE HANDSET, THE SPADE-TIPPED LEADS OF THE HANDSET CORD AND/OR JACK MUST BE PROPERLY POSITIONED ON THE BOARD AS SHOWN ABOVE.

Fig. 4—Transmitter Board, Connections