

MODEL 65 TELEPHONE HANDSET

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Figure 1: Model 65 Telephone Handset

1. INTRODUCTION

1.01 This document covers the Model 65 telephone handset. (See Figure 1.) A general description as well as information on disassembly, assembly, replacement parts, fault isolation, and installation is included.

1.02 Whenever this section is reissued, reason for reissue will be listed in this paragraph.

1.03 For information concerning telephones using the Model 65 telephone handset, refer to the appropriate section in Volume 1 of the ITT Telephone Apparatus Practices Manual.

2. GENERAL DESCRIPTION

2.01 The Model 65 telephone handset (see Figure 2) is equipped with a carbon granule transmitter, and a receiver and induction coil assembly. The receiver is a central armature type. The induction coil makes the handset compatible with hearing aids that have a T-Switch (Telecoil). The transmitter, and the receiver and induction coil assembly, are housed in a molded plastic handle containing a transmitter holder assembly and a cotton baffle. Two molded plastic caps, one for the transmitter, and one for the receiver and induction coil assembly, are threaded on the handle of the handset. A four-wire cord electrically separates the transmitter from the receiver and induction coil assembly.

2.02 The transmitter holder assembly is equipped with two screw terminals for connecting either the nonmodular handset cord or the modular handset jack. The transmitter rests on pressure-contact connectors in the transmitter holder assembly.

2.03 The nonmodular handset cord and modular handset jack are terminated with spade-tip leads for connecting to the receiver and induction coil assembly. A varistor, shunted across the terminals of the receiver and induction coil assembly, protects the receiver and induction coil assembly from abnormal line surges.

2.04 The handset contains a cotton ball baffle inserted through the receiver cavity into the handle. This baffle reduces acoustic coupling from the receiver and induction coil assembly to the transmitter. If the baffle is not used, the clarity of the reception will be impaired.

2.05 The Model 65 telephone handset is used on a variety of telephones. Several versions of the handset are available; the differences are limited to the length and modularity of the handset cords and are described in the following paragraphs. Refer to Table A for ordering information.

TABLE A
ORDERING INFORMATION

CODE NUMBERS			
HANDSET CODE NUMBERS ARE FORMED IN THREE STEPS AS FOLLOWS:			
(1) Handset Model Number (See Part 1)	0065	15	OC2
(2) Color Code (See Part 2)			
(3) Versions (See Part 3)			
PART 1 HANDSET MODEL NUMBER			
CODE	DESCRIPTION	COLOR OFFERED	VERSION OFFERED
0065	Model 65 Telephone Handset	00, 05, 09, 12, 13, 15, 43, 44, 45, 46, 47 (Available On All Versions)	OC2 OC3 OM2
PART 2 COLORS		PART 3 VERSIONS	
CODE	COLORS	CODE	VERSIONS
00	Black	OC2	Equipped With 4-Foot Nonmodular Handset Cord Equipped With 9-Foot Nonmodular Handset Cord Equipped With Modular Jack (Cord Must Be Ordered Separately)
05	Moss Green	OC3	
09	Ivory	OM2	
12	Aqua Blue		
13	Beige		
15	White		
43	Orange		
44	Light Ash		
45	Cocoa Brown		
46	Harvest Gold		
47	Cherry Red		

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MODEL 0065-OC2**

2.06 The Model 0065**-OC2 is a standard telephone handset equipped with a 4-foot, non-modular, coiled, handset cord.

MODEL 0065-OC3**

2.07 The Model 0065**-OC3 is a standard telephone handset equipped with a 9-foot, non-modular, coiled, handset cord.

MODEL 0065-OM2**

2.08 The Model 0065**-OM2 is a standard telephone handset equipped with a modular jack to accept the plug of a modular handset cord.

3. INSTALLATION

3.01 To install a nonmodular handset, proceed as follows:

- (a) Remove the telephone housing.

- (b) Refer to the applicable telephone circuit label and determine the correct wiring for the handset cord.
- (c) Connect the handset cord to the telephone.
- (d) Attach the handset cord strain relief anchor to the telephone base.
- (e) Reinstall the telephone housing. Ensure that the handset cord passes through the slot in the side of the housing.

3.02 To install a modular handset, proceed as follows:

- (a) Insert one end of the modular handset cord into the modular jack of the handset.
- (b) Insert the other end of the modular handset cord into the appropriate modular jack of the telephone.

4. FAULT ISOLATION

4.01 Proper testing of both the transmitter, and the receiver and induction coil assembly, requires the use of special test equipment. However, a suspected faulty handset can be adequately checked for maintenance purposes by direct comparison with, or substitution by, a handset that is known to be functioning properly.

4.02 A faulty transmitter can be identified by noise in the circuit or low transmission levels. A DC ohmmeter test is not a reliable method for checking the condition of a carbon granule transmitter.

4.03 A faulty receiver and induction coil assembly can be identified by distortion from a loose or damaged diaphragm, an open coil, or a faulty varistor.

4.04 A faulty handset cord may result in interrupted transmissions or may cause transmission to cease completely.

4.05 When a fault is isolated, check the handset wiring and replace the faulty part. If the problem still exists, substitute a handset that is known to be functioning properly.

5. DISASSEMBLY AND ASSEMBLY

5.01 To disassemble the Model 65 telephone handset, proceed as follows while referring to Figure 2 and Table B:

- (a) Loosen the receiver cap by turning it in a counterclockwise direction; remove the cap from the handle.
- (b) Tilt the handle to one side and remove the receiver and induction coil assembly.
- (c) Loosen the screws and disconnect each spade-tip lead from the screw terminals of the receiver and induction coil assembly.
- (d) Remove the cotton ball baffle from the handle.
- (e) Loosen the transmitter cap by turning it in a counterclockwise direction; remove the cap from the handle.
- (f) Remove the transmitter.
- (g) Lift the transmitter holder assembly from the handle, loosen the two screw terminals, and disconnect the spade-tip leads.
- (h) For nonmodular handsets, remove the handset cord by guiding it through the hole in the handle. For modular handsets, remove the modular jack by lifting it from the transmitter holder assembly.

5.02 To assemble the handset, proceed as follows:

- (a) For nonmodular handsets, insert the handset cord through the small hole in the end of the handle and pull the cord through the hole until the strain relief section of the cord is in place. For modular handsets, press the modular jack into the u-shaped slot on the bottom of the transmitter holder.
- (b) Feed the two WH leads through the handle and out the receiver cavity.
- (c) Insert the cotton ball baffle through the receiver cavity and into the handle.

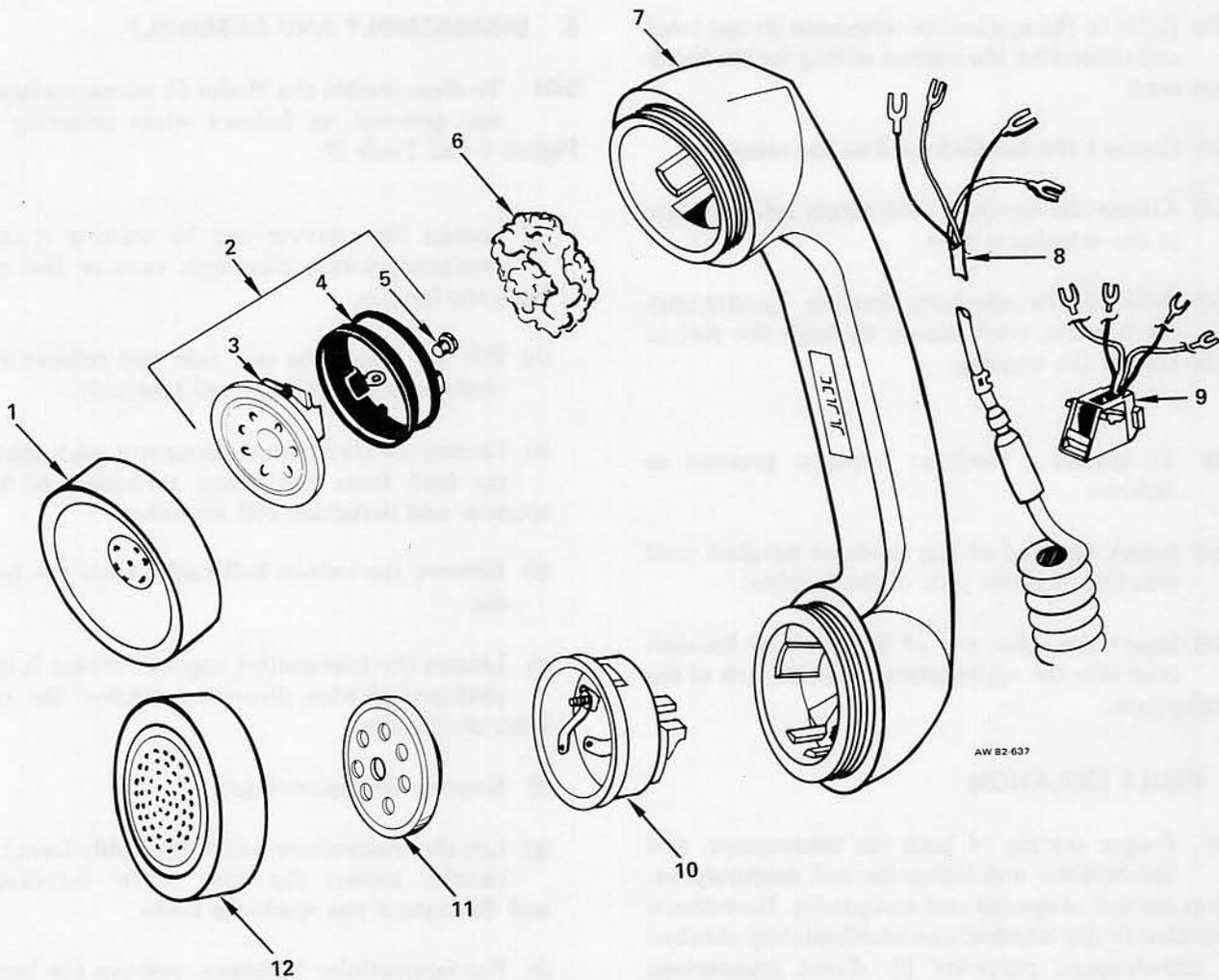


Figure 2: Model 65 Telephone Handset, Exploded View

TABLE B

REPLACEMENT PARTS LIST

INDEX NO.	PART NUMBER	DESCRIPTION MODEL 65 TELEPHONE HANDSET	QUANTITY USED		
			65/OC2	65/OC3	65/OM2
1	079289-0**	Cap, Receiver	1	1	1
2	183463-101	Receiver ¹	1	1	1
2	184936-101	Receiver And Induction Coil Assembly ²	1	1	1
3	183464-101	Receiver	1	1	1
4	184935-101	Coil, Induction	1	1	1
5	183458-101	Screw, Mounting	2	2	2
6	079545-101	Baffle, Cotton Ball	1	1	1
7	182863-0**	Handle	1	1	1
8	1005**-048	Cord, Coiled (4-Foot Nonmodular)	1	—	—
8	1005**-108	Cord, Coiled (9-Foot Nonmodular)	—	1	—
	9018**-072	Cord, Modular (Order Separately)	—	—	1
9	182947-101	Modular Jack Assembly	—	—	1
10	182955-101	Transmitter Holder Assembly	1	1	1
11	075555-101	Transmitter	1	1	1
12	079290-0**	Cap, Transmitter	1	1	1

** Substitute 2-digit color code when ordering.

¹ This product has been discontinued, but is included to provide a source of information for receivers still in service.

² The 184936-101 is hearing aid compatible and replaces the 183463-101 receiver.

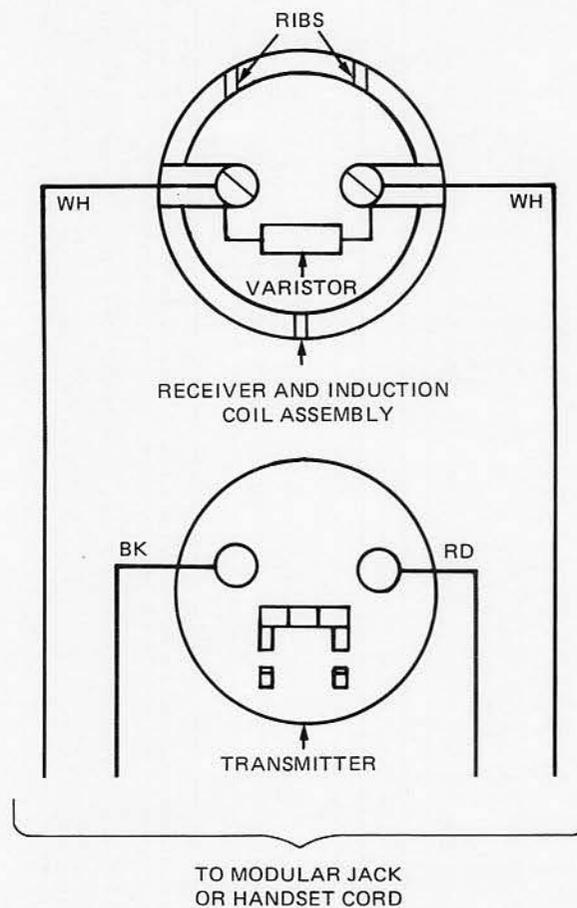
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- (d) Connect each WH spade-tip lead to a screw terminal on the receiver and induction coil assembly (see Figure 3).
- (e) Place the receiver and induction coil assembly into the handle with the two ribs on the induction coil toward the end of the handset. (See Figure 3.) Thread the receiver cap onto the handle by turning it in a clockwise direction.
- (f) Connect the RD and BK spade-tip leads to the screw terminals on the transmitter holder assembly.

- (g) Place the transmitter holder assembly into the handle (see Figure 2).

Note: When assembling the nonmodular handset, the u-shaped slot on the bottom of the transmitter holder must engage the cord strain relief.

- (h) Place the transmitter into the transmitter holder assembly; thread the transmitter cap onto the handle by turning it in a clockwise direction.



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Figure 3: Handset Wiring Diagram