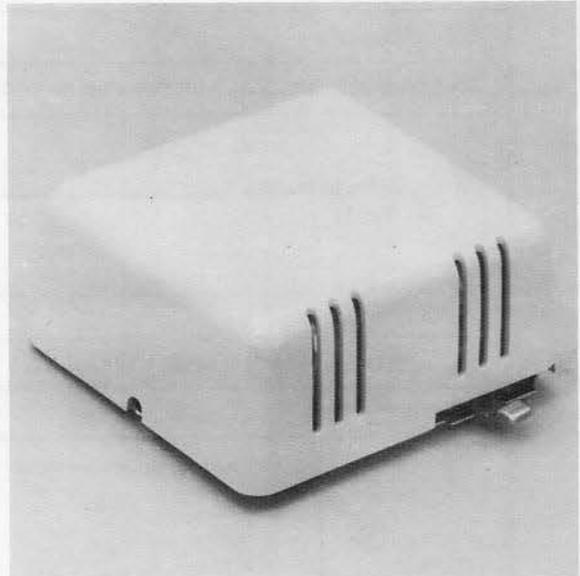


MODEL 139 RINGER

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Figure 1: Model 139 Ringer

1. INTRODUCTION

1.01 This document covers the Model 139 ringer. (See Figure 1.) A general description as well as information on removal, disassembly, replacement parts, assembly, and installation is included.

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

2. GENERAL DESCRIPTION

2.01 The Model 139 ringer (see Figure 2) is designed for use as an external ringer and is equipped with a mechanical volume control. The assembly consists of a Model 130 ringer mounted on a metal base plate; it is protected by a beige-colored, molded plastic cover. External connections are made to a terminal board mounted on the metal base plate.

2.02 The ringer is mounted on shock-absorbing rubber grommets. Two grommets are located on the sides of the ringer frame for inserting screws to mount the ringer to the base plate. An alignment pin, molded into the ringer frame, is inserted into an additional grommet located on the base plate.

2.03 The Model 139 ringer is identified by a code number stamped in ink on the back of the base plate. Refer to ordering information in Table A for an explanation of each code number.

3. REMOVAL

3.01 To remove the ringer from its mounting location, proceed as follows:

- (a) Loosen and remove the cover mounting screw located on the top of the cover.
- (b) Lift the cover from the base plate.
- (c) Disconnect the ringer line cord leads that come into the ringer.
- (d) Loosen and remove the three base plate mounting screws.

4. DISASSEMBLY

4.01 To disassemble the Model 139 ringer, proceed as follows:

- (a) Disconnect the coil assembly leads from the terminal board.
- (b) Loosen the two ringer frame mounting screws. Lift the Model 130 ringer from the base plate. Refer to Section 55-130-113 of this manual for procedures to disassemble the Model 130 ringer.

TABLE A
ORDERING INFORMATION

CODE NUMBERS			
RINGER CODE NUMBERS ARE FORMED IN TWO STEPS AS FOLLOWS:			
(1) Ringer Model Number (See Part 1)	000139	OBA	
(2) Ringer Style (See Part 2)			
PART 1 RINGER MODEL NUMBER		PART 2 RINGER STYLE	
CODE	DESCRIPTION	CODE	DESCRIPTION
000139	Model 139 Extension Ringer	OBA	Straight-Line, Biased-Type Ringer (Model 130 Ringer)
		OLR	With Volume Control Ringer Box For Two-Gong Ringer (No Ringer Included)

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- (c) Disconnect the capacitor leads from the terminal board.
- (d) Loosen and remove the two screws that hold the terminal board to the base plate. Lift the terminal board from the base plate.

5. REPLACEMENT PARTS

5.01 Replacement parts for the Model 139 ringer are listed in Table B.

6. ASSEMBLY

6.01 To assemble the Model 139 ringer, proceed as follows:

- (a) Position the terminal board on the base plate and mount using two screws.
- (b) Connect a 0.47 mfd capacitor across terminals 5 and 7 on the terminal board.

- (c) Insert the alignment pin of the ringer frame into the grommet provided on the base plate. Ensure that the tab on the volume control lever is inserted into the hole in the volume control wheel of the Model 130 ringer.

- (d) Position the ringer on the base plate so that the two ringer frame mounting holes align with the mounting holes in the base. The coil assembly leads should pass under the ringer to avoid interference with the clapper mechanism.

Note: The shock-absorbing rubber grommets must be in place in the ringer frame mounting holes and in the base plate.

- (e) Connect the coil assembly leads to the terminal board as follows:
 - (1) Connect the SL lead to terminal 1.
 - (2) Connect the SL-RD lead to terminal 1.
 - (3) Connect the RD lead to terminal 7.
 - (4) Connect the BK lead to terminal 6.

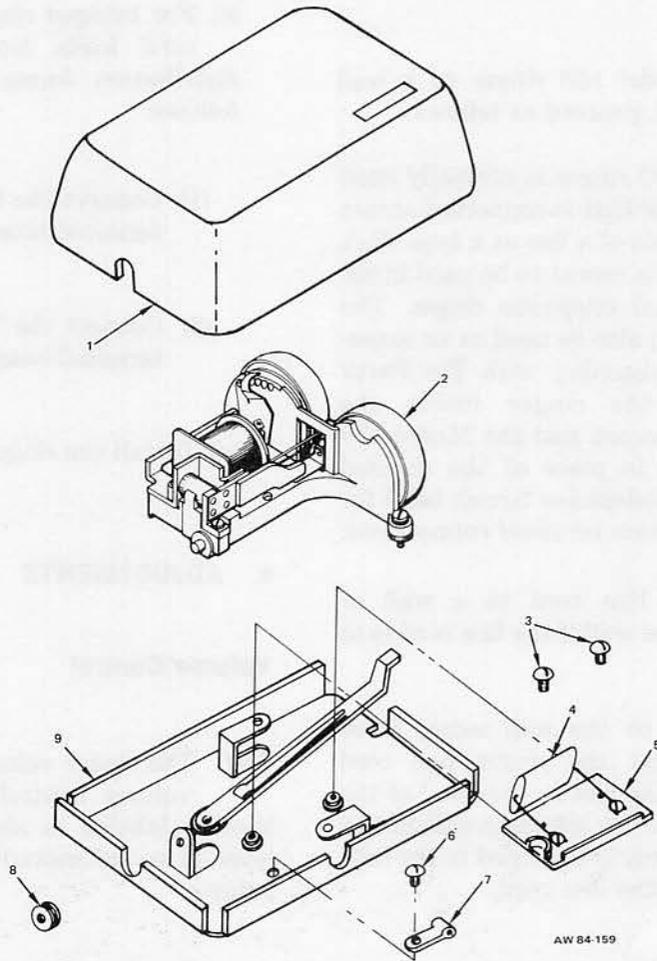


Figure 2: Model 139 Ringer, Exploded View

TABLE B
REPLACEMENT PARTS LIST

INDEX NO	PART NUMBER	DESCRIPTION	QUANTITY USED	
			OBA	OLR
		Model 139 Ringer		
1	084259-101	Cover Assembly With Screws And Bracket	1	1
2	000130-OBA	Model 130 Ringer	1	—
3	061906-101	Screw, Terminal Board Mounting	2	2
4	183603-101	Capacitor, 0.47 MFD	1	1
5	190148-102	Terminal Board Assembly	1	1
6	182607-101	Screw, Cord Retainer Mounting	1	1
7	078825-102	Retainer, Cord	1	1
8	075303-101	Grommet	1	1
9	084362-101	Base Assembly	1	1

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7. INSTALLATION

7.01 To install the Model 139 ringer to a wall or mounting board, proceed as follows:

Note: The Model 139 ringer is normally used as an extension ringer that is connected across the Tip and Ring leads of a line at a type 42-A connecting block. It is meant to be used in addition to the original telephone ringer. The Model 139 ringer can also be used as an extension ringer for a subscriber with Tip Party Identification, if the ringer inside the telephone is disconnected and the Model 139 ringer is connected in place of the original ringer. Refer to the telephone circuit label for Tip Party Identification terminal connections.

(a) Install the ringer line cord to a wall or through a hole in the wall if the line cord is to be hidden.

(b) Mount the ringer to the wall using three screws. Ensure that the ringer line cord passes through either the slot in the back of the base plate or the slot in the left-hand side of the base plate. A cord retainer is provided in the left-hand side for securing the line cord.

(c) For bridged ringing, connect the ringer line cord leads from the telephone or main distribution frame to the terminal board as follows:

(1) Connect the Ring lead to terminal 5 of the terminal board.

(2) Connect the Tip lead to terminal 6 of the terminal board.

(d) Install the ringer cover using one screw.

8. ADJUSTMENTS

Volume Control

8.01 The ringer volume is adjusted by sliding the volume control lever. The volume control lever is labeled to identify the direction that the lever is to be moved to increase or decrease the volume.