

TRENDLINE II

PUSHBUTTON DIAL, WALL TELEPHONES

GENERAL DESCRIPTION

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1. GENERAL DESCRIPTION

1.01 This document covers the Trendline II, pushbutton dial, wall telephones. (See Figure 1.) A general description plus information peculiar to Trendline II, pushbutton dial, wall telephones is included.

1.02 This section is reissued to remove the ordering information for the Less Ringer telephones and other manufacturing discontinued items of the Trendline II, pushbutton dial, wall telephones.

Note: Ordering information for manufacturing discontinued telephones has been removed; however, descriptive information has been retained as a reference for telephones still in service.

1.03 A replacement parts list and an exploded-view drawing for the telephones are contained in Section 50-354-101. The circuit label appears in Section 50-354-102. Related documents of the CORTELCO Telephone Apparatus Practices Manual provide information on components.

1.04 The Model 2354 wall telephones are Trendline II, pushbutton dial, anti-sidetone units that operate efficiently over a wide range of loop



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Figure 1: Trendline II, Pushbutton Dial, Wall Telephone

resistances and line impedances. Modular electronic components are used in the handset of the Trendline II telephone, and conventional components are used in the telephone base.

1.05 The Model 2354 wall telephones are identified by a coded label affixed to the bottom of the base. Refer to ordering information in Table A for an explanation of each code number.

1.06 Trendline II wall telephones are nonmodular, quarter-modular, or full-modular versions. These versions are designated by a code letter in the telephone code number. (Refer to Table A.)

1.07 Nonmodular version telephones (no longer available) include a modular handset cord. It is required that a line cord be hard-wired to the terminals provided in the telephone. This version is designated by the code letter O.

TABLE A
ORDERING INFORMATION - TELEPHONES

CODE NUMBERS									
TELEPHONE CODE NUMBERS ARE FORMED IN SIX STEPS AS FOLLOWS:									
(1) Type of Instrument (See Part 1)	2354		44	M	BA	20	M		
(2) Color (See Part 2)									
(3) Version (See Part 3)									
(4) Ringer (See Part 4)									
(5) Special Feature (See Part 5)									
(6) Dial (See Part 6)									
PART 1 TYPE OF INSTRUMENT									
CODE	DESCRIPTION	COLOR OFFERED	VERSION OFFERED	RINGER OFFERED	FEATURE OFFERED	DIAL OFFERED			
2354	Trendline II, Pushbutton Dial, Wall Telephone	00, 09, 13, 15, 44, 45, And 47 (Available On All Models)	M	BA	20, 21, 22, 23	M			
REFER TO INDIVIDUAL UNIT DESCRIPTION FOR COMPLETE DESCRIPTION OF FEATURE COMBINATIONS									
PART 2 COLORS		PART 3 VERSIONS		PART 4 RINGERS		PART 5 SPECIAL FEATURES		PART 6 DIALS	
CODE	COLORS	CODE	VERSIONS	CODE	RINGERS	CODE	SPECIAL FEATURES	CODE	DIAL
00	Black	M	Full-Modular (With Cords)	BA	Straight-Line	20	No Special Feature	M	Metropolitan (Letters & Numerals)
09	Ivory					21	20 With 9-Foot Handset Cord		
13	Beige					22	20 With Dial Light		
15	White						And Volume Control/Dial Light ON-OFF Switch		
44	Light Ash					23	22 With 9-Foot Handset Cord		
45	Cocoa Brown								
47	Cherry Red								

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1.08 Quarter-modular version telephones (no longer available) include a modular handset cord and a modular plug as part of the base assembly. This version is designated by the code letter Q.

1.09 Full-modular version telephones are available with or without a modular handset cord. However, all full-modular wall telephones are equipped with jacks to accept the plugs of a modular handset cord, and a modular plug is provided as part of the base assembly for inserting it into a wall jack. The full-modular version without a modular handset cord is designated by the code letter F (no longer available). The full-modular version of the telephone with a modular handset cord, terminated on each end with modular plugs, is designated by the code letter M.

1.10 Differences in the various features available with Model 2354 wall telephones are described in the following paragraphs. The circuit label drawing for these telephones is included in Section 50-354-102.

MODEL 2354 () 20**

1.11 The Model 2354** () 20 is a single-line, Trendline II, pushbutton dial, wall telephone. It provides no special features and utilizes a 4-conductor line cord. The base assembly for the Trendline II includes the ringer and hookswitch assemblies. The base is connected to the handset assembly by a modular handset cord. The handset assembly includes the transmitter assembly, the receiver, a dial keypad assembly, and a dial network

assembly. The components contained in the handset are plugged in or connected by spade-tip connectors.

1.12 The transmitter is an electret condenser microphone with a permanent electrical charge. The receiver is a central armature type compatible with hearing aids that have a T-switch (Telecoil). The dial network assembly converts the dial keypad inputs into DTMF (Dual Tone Multifrequency) tones, and acts as network circuitry for the transmitter/receiver assemblies. An operator recall button, located below the dial, may be momentarily pressed to disconnect a line. This allows a series of calls to be made without operating the hookswitch.

MODEL 2354** () 21

1.13 The Model 2354** () 21 is identical to the Model 2354** () 20 except it is equipped with a nine-foot handset cord.

MODEL 2354** () 22

1.14 The Model 2354** () 22 deluxe model is identical to the Model 2354** () 20 except for the addition of LEDs that light the dial keypad, and a switch that controls both the receiver volume and the dial keypad light. The switch is located on the rear of the handset. (See Figure 2.) The arrow on the volume control thumbwheel indicates the direction to turn it to increase the volume of the receiver. This control will not completely silence the receiver. The dial keypad light ON-OFF switch is located beneath the receiver volume control thumbwheel, and it is operated by pressing and holding the thumbwheel to illuminate the dial keypad.

MODEL 2354** () 23

1.15 The Model 2354** () 23 is identical to the Model 2354** () 22 except it is equipped with a nine-foot handset cord.

2. INSTALLATION

2.01 Installation of the full-modular versions of these telephones consists of inserting the modular line cord plug into an available modular wall jack. Refer to the appropriate circuit label for installation wiring of nonmodular version telephones.

Warning: Care must be taken when installing the housing to the base on Model 2354 wall telephones. Hold the hookswitch plunger up, as

shown in Figure 3, to avoid damaging the hookswitch.

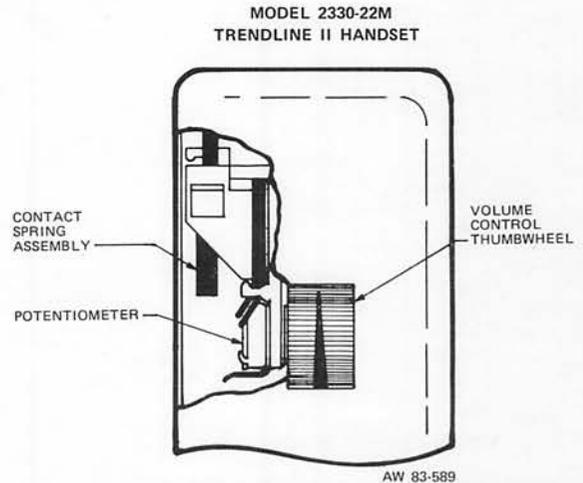


Figure 2: Receiver Volume Control/Dial Light ON-OFF Switch

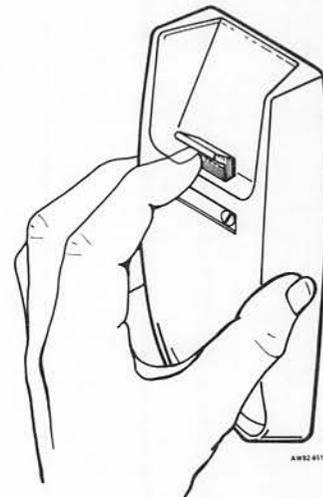


Figure 3: Installing The Housing On The Base

3. MAINTENANCE

3.01 For replacement parts information and for an exploded-view drawing of major assembly groups, refer to Section 50-354-101.

Warning: The electret condenser microphone used in the Trendline II handset may be damaged by cleaning solvents. Solvents that contain acids or ammonia emit fumes that may damage the internal components of the microphone. When cleaning the handset, use solvents sparingly. Apply solvents with a cloth to avoid direct contact with the microphone.