

TRENDLINE, ROTARY DIAL, WALL TELEPHONES

GENERAL DESCRIPTION

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1. GENERAL DESCRIPTION

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

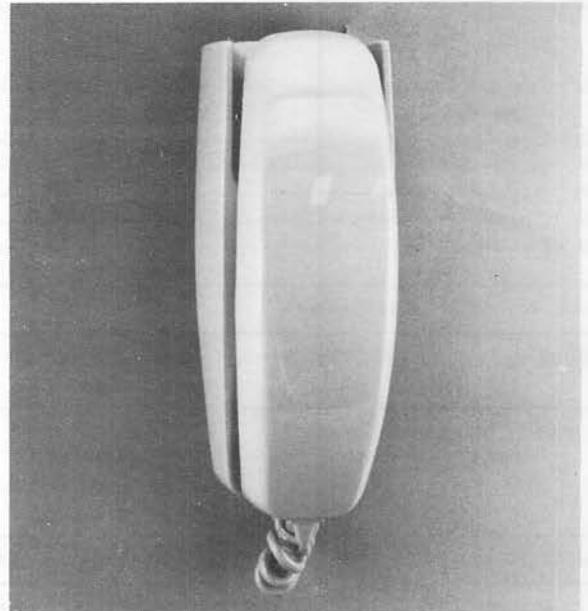
1.02 This section is reissued to remove the ordering information for the Less Ringer telephones and other manufacturing discontinued items of the Trendline, rotary dial, wall telephones.

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 50-254-101. The circuit labels appear in Section 50-254-102. Related documents of the CORTELCO Telephone Apparatus Practices Manual provide information on components.

1.04 The Model 254 wall telephones are Trendline, rotary dial, anti-sidetone units that operate efficiently over a wide range of loop resistances and line impedances.

1.05 The Model 254 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.



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Figure 1: Trendline, Rotary Dial, Wall Telephone

1.06 Trendline 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.

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 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 into a modular wall jack. The full-modular version of the telephone without a modular handset cord (no longer available) is designated by the code letter F. The full-modular version of the telephone with a modular handset cord,

TABLE A
ORDERING INFORMATION - TELEPHONES

CODE NUMBERS										
TELEPHONE CODE NUMBERS ARE FORMED IN SIX STEPS AS FOLLOWS:										
(1) Type of Instrument (See Part 1)	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
(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				
254	Trendline, Rotary Dial, Wall Telephone	00, 09, 13, 15, 44, 45, And 47 (Available On All Models)	M	BA	21	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 Handset Cord)	BA	Straight-Line	21	Equipped With 9-Foot Handset Cord	M	Metropolitan (Letters & Numerals)	
09	Ivory									
13	Beige									
15	White									
44	Light Ash									
45	Cocoa Brown									
47	Cherry Red									

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terminated on each end with modular plugs, is designated by the code letter M.

1.10 The Model 254 wall telephones are described in the following paragraphs. The circuit labels for these telephones are contained in Section 50-254-102.

MODEL 254 () 30**

1.11 The Model 254** () 30 is a single-line, Trendline, rotary dial, wall telephone. It provides no special features and is nonmodular. The base assembly for this telephone includes the ringer and hookswitch assemblies and is connected to the handset assembly by a plug-in handset cord. The handset assembly includes the transmitter, receiver, network, and dial assemblies. An operator recall button, located below the dial, provides dial tone

when momentarily pressed. This allows a series of calls to be made without operating the hookswitch in the telephone base.

MODEL 254 () 20**

1.12 The Model 254** () 20 is the same as the Model 254** () 30 except that it provides a modular plug for installation.

MODEL 254 () 21**

1.13 The Model 254** () 21 is the same as the Model 254** () 20 except it is equipped with a 9-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.

2.02 A lamp may be added to Trendline telephones for illuminating the dial and number card. The lamp must be ordered separately. Installation consists of inserting the lamp into the lamp housing located in the handset under the number card retainer. A power transformer must be ordered and installed at the station connecting block as shown in Figure 2. Refer to Section 50-254-101 for lamp and power transformer ordering information.

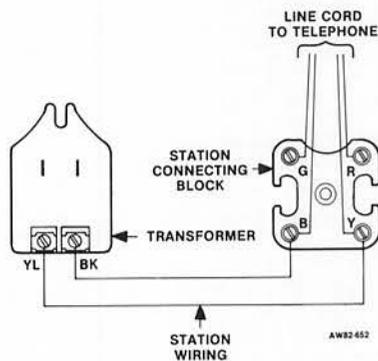


Figure 2: Installation Of Power Transformer

Caution: Care must be taken when installing the housing to the base on Model 254 wall telephones. Hold the hookswitch plunger up as shown in Figure 3 to avoid damaging the hookswitch.

3. MAINTENANCE

3.01 For replacement parts information and for an exploded-view drawing of major assembly groups, refer to Section 50-254-101.

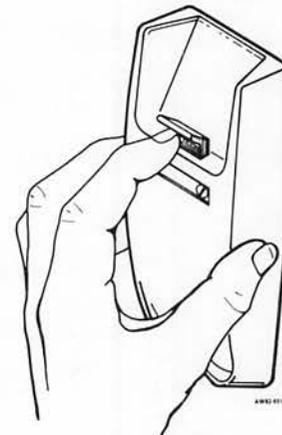


Figure 3: Installing The Housing On The Base