

SINGLE-LINE, ROTARY DIAL, WALL TELEPHONES

GENERAL DESCRIPTION

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1. GENERAL DESCRIPTION

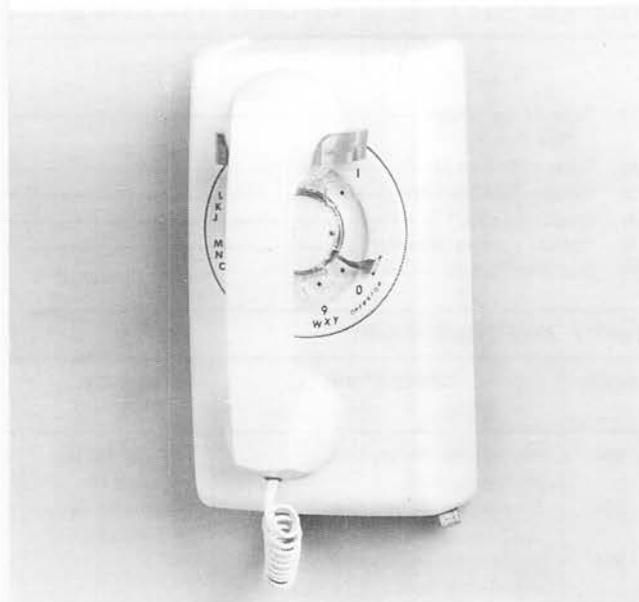
1.01 This document covers the single-line, rotary dial, wall telephone. (See Figure 1.) A general description as well as information that is peculiar to single-line, rotary dial, wall telephones is included.

1.02 This section is reissued for the following reasons:

(a) Issue 3 adds feature codes 27 and 44 to the full-modular (M) version of the single-line, rotary dial, standard size, wall telephones. Quarter-modular (Q) and full-modular (F) versions of the single-line, rotary dial, standard size, wall telephones have been manufacturing discontinued as well as the following:

- (1) Feature codes 24, 28, 34, and 38 telephones.
- (2) Color codes 05, 12, 43, and 46.
- (3) Regular (R) dial telephones.
- (4) No dial (N) telephones.

(b) Issue 2 corrected errors in the initial issue.



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Figure 1: Single-Line, Rotary Dial, Wall Telephone

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 50-554-101. Circuit labels appear in Section 50-554-102. Related documents of the CORTELCO Telephone Apparatus Practices Manual provide information on components.

1.04 The Model 554 wall telephones are single-line, rotary dial, anti-sidetone type units that operate efficiently over a wide range of loop resistances and impedances.

1.05 The Model 554 wall telephones are identified by a coded label affixed to the bottom of the base plate. Refer to ordering information in Table A for an explanation of each code number.

1.06 The Model 554 wall telephones are non-modular, quarter-modular, or full-modular

TABLE A
ORDERING INFORMATION - TELEPHONES

CODE NUMBERS										
TELEPHONE CODE NUMBERS ARE FORMED IN SIX STEPS AS FOLLOWS:										
			554	15	O	BA	30		M	
(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				
554	Single-Line, Rotary Dial, Wall Telephone	00, 09, 13, 15, 44, And 45	O	BA	30, 31, 37	M				
554	Single-Line, Rotary Dial, Wall Telephone	(Available On All Models)	M	BA	20, 21, 24, 27, 44	M				
554	Single-Line, Rotary Dial, Wall Telephone	47	M	BA	20	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	O	Nonmodular	BA	Straight-Line	30	No Special Feature (Nonmodular Units)	M	Metropolitan (Letters & Numerals)	
09	Ivory	M	Full-Modular (With Handset Cord)			31	30 Combined With 9-Foot Handset Cord			
13	Beige					37	30 Combined With 90-Volt Message Waiting Lamp			
15	White					44	Wired For Use In A Key System (A-Lead Control)			
44	Light Ash					20	No Special Feature (Modular Units)			
45	Cocoa Brown					21	20 Combined With 9-Foot Handset Cord			
47	Cherry Red					24	20 Combined With Push-button For Grounding			
						27	20 Combined With 90-Volt Message Waiting Lamp			

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versions. These versions are designated by a code letter in the telephone order number. (Refer to Table A.)

1.07 Nonmodular wall telephones include a hard-wired handset cord. This version is designated by the code letter O.

1.08 Quarter-modular version telephones (no longer available) include a hard-wired handset cord, and a modular plug is provided as part of the base assembly for inserting into a modular wall jack. 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 version 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 with a modular handset cord, terminated on each end with modular plugs, is designated by the code letter M. The full-modular version without a modular handset cord (no longer available) is designated by the code letter F.

1.10 For Model 554 wall telephones, feature codes 20, 21, 24, 27, and 44 pertain to modular units, while feature codes 30, 31, and 37 pertain to nonmodular units.

1.11 The Model 554 wall telephones are described in the following paragraphs. The circuit label drawings for these telephones are included in Section 50-554-102.

MODEL 554 () 20**

1.12 The Model 554** () 20 is a single-line, rotary dial, wall telephone. It provides no additional outstanding features.

MODEL 554 () 21**

1.13 The Model 554** () 21 is the same as the Model 554** () 20 with the addition of a nine-foot handset cord.

MODEL 554 () 24**

1.14 The Model 554** () 24 is the same as the Model 554** () 20 with the addition of a grounding pushbutton switch required in some PBX applications for transferring calls, originating calls during a power failure, and other special functions.

MODEL 554 () 27/28**

1.15 The Model 554** () 27/28 is the same as the Model 554** () 20 with the addition of a message waiting lamp. The lamp is used in PBX applications to indicate that the station user should contact the message center. The Model 554** () 27 is equipped with a 90-volt indicator. The Model 554** () 28 is equipped with a 125-volt indicator.

MODEL 554 () 30**

1.16 The Model 554** () 30 is a single-line, rotary dial, wall telephone. This model provides no additional outstanding features.

MODEL 554 () 31**

1.17 The Model 554** () 31 is the same as the Model 554** () 30 with the addition of a nine-foot handset cord.

MODEL 554 () 34**

1.18 The Model 554** () 34 is the same as the Model 554** () 30 with the addition of a grounding pushbutton switch required in some PBX applications for transferring calls, originating calls during a power failure, and other special functions.

MODEL 554 () 37/38**

1.19 The Model 554** () 37/38 is the same as the Model 554** () 30 with the addition of a message waiting lamp. The lamp is used in PBX applications to indicate that the station user should contact the message center. The Model 554** () 37 is equipped with a 90-volt indicator. The Model 554** () 38 is equipped with a 125-volt indicator.

MODEL 554 () 44**

1.20 The Model 554** () 44 is a single-line telephone, such as the Model 554** () 20, wired for use in a key system. The telephone provides connections through the hookswitch that allow ground on the A1 lead to be applied to key equipment by way of the A lead. The Model 554** () 20 may be converted to a Model 554** () 44 as follows:

- (a) Remove the line cord of the telephone by disconnecting the leads from the network.
- (b) Connect a four-conductor line cord in the following manner.
 - (1) Connect the RD (Ring) lead to network terminal L2.
 - (2) Connect the GN (Tip) lead to network terminal F.
 - (3) Connect the BK (A) lead to network terminal L1.
 - (4) Connect the YL (A1) lead to network terminal G.
- (c) Move the BK ringer lead from network terminal G to network terminal F.

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- (d) Move the SL-WH hookswitch lead from network terminal F to network terminal G.

2. INSTALLATION

2.01 Since the modular versions of these telephones are equipped with modular plugs, installation consists of inserting this plug into an available wall

jack. Refer to the appropriate circuit label for installation wiring of nonmodular units.

3. MAINTENANCE

3.01 For replacement parts information and for an exploded-view drawing of major assembly groups, refer to Section 50-554-101.