

TRENDLINE II

PUSHBUTTON DIAL, DESK TELEPHONES

GENERAL DESCRIPTION

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1. GENERAL DESCRIPTION

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

1.02 This section is reissued to delete the ordering information for the manufacturing discontinued versions of the Trendline II, pushbutton dial, desk 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 50-300-101. The circuit labels appear in Section 50-300-102. Related documents of the CORTELCO Telephone Apparatus Practices Manual provide information on components.

1.04 The Model 2300 desk telephones are Trendline II, pushbutton dial, anti-sidetone units that operate efficiently over a wide range of loop 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.



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Figure 1: Trendline II, Pushbutton Dial, Desk Telephone

1.05 The Model 2300 desk 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 telephones are nonmodular 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 and a line cord. The line cord, terminated on one end with a modular plug, is inserted into the modular jack in the telephone base. The other end of the line cord, terminated with spade-tip connectors, is hard-wired to a nonmodular wall jack. This version is designated by the code letter O.

1.08 Full-modular version telephones are available with or without a modular handset cord and a modular line cord. However, all full-modular telephones are equipped with jacks to accept the plugs of a modular handset cord and a modular line

TABLE A
ORDERING INFORMATION - TELEPHONES

CODE NUMBERS															
TELEPHONE CODE NUMBERS ARE FORMED IN SIX STEPS AS FOLLOWS:															
				2300		44		M		BA		20		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									
2300	Trendline II, Pushbutton Dial, Desk Telephone	00, 09, 13, 15, 44, 45, And 47 (Available On All Models)	M	BA	20, 22	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					22	20 With Dial Light And Volume Control/Dial Light ON-OFF Switch								
13	Beige														
15	White														
44	Light Ash														
45	Cocoa Brown														
47	Cherry Red														

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cord. The full-modular version of the telephone without a modular handset cord and a modular line cord is designated by the code letter F (no longer available). The full-modular version of the telephone with a modular handset cord and a modular line cord, terminated on each end with modular plugs, is designated by the code letter M.

1.09 The Model 2300 desk telephones are described in the following paragraphs. The circuit label for these telephones is contained in Section 50-300-102.

MODEL 2300 () 20**

1.10 The Model 2300** () 20 is a single-line, Trendline II, pushbutton dial, desk 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.

1.11 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 2300** () 22

1.12 The Model 2300** () 22 deluxe model is the same as the Model 2300** () 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.

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.

3. MAINTENANCE

3.01 For replacement parts information and for an exploded-view drawing of major assembly groups, refer to Section 50-300-101.

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.*

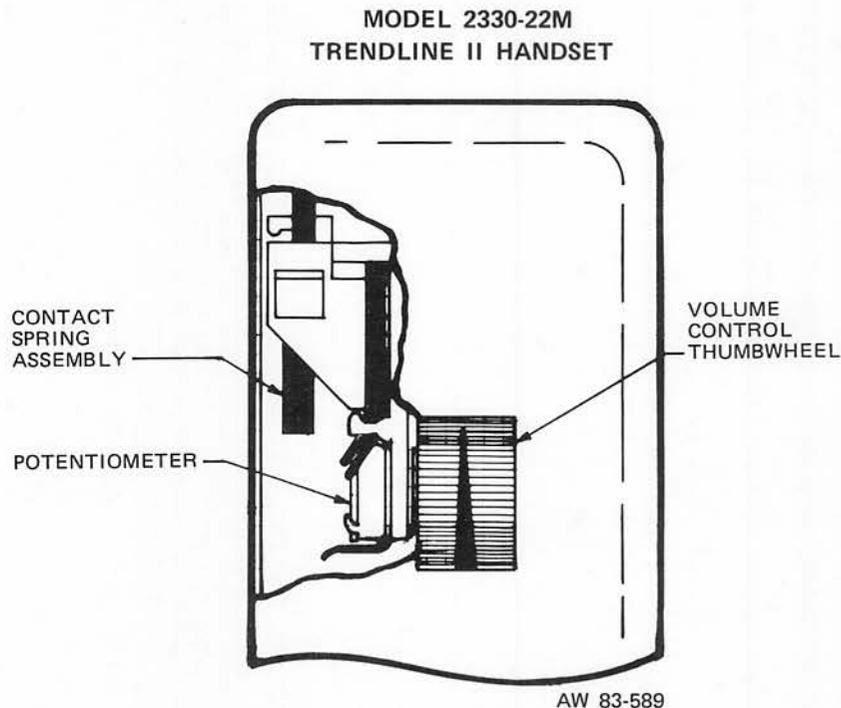


Figure 2: Receiver Volume Control/Dial Light ON-OFF Switch