SINGLE-LINE, ROTARY DIAL, DESK TELEPHONES

REPLACEMENT PARTS

1. GENERAL

1.01 This document covers the single-line, rotary dial, desk telephone. (See Figure 1.) An exploded-view drawing of the telephone with the major assembly groups (see Figure 2) and a replacement parts list (Table A) are 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, desk telephones. Quarter-modular (Q) and full-modular (F) versions of the single-line, rotary dial, desk telephones have been manufacturing discontinued as well as the following:

    (1) Feature codes 21, 28, 34, and 39 telephones.

    (2) Color codes 05, 12, 43, and 46.

    (3) Regular (R) dial telephones.

    (4) No (N) dial telephones.

(b) Issue 2 removed the less ringer (LR) telephones and added various feature codes to the full-modular (M) telephones.

Note: Information for manufacturing discontinued telephones has been retained as a reference for telephones still in service.

1.03 For additional information on description and installation of the telephones, refer to Section 50-500-100. The circuit labels appear in Section 50-500-102. Related documents of the CORTELCO Telephone Apparatus Practices Manual provide information on components.

1.04 The Model 500 desk telephones are single-line, rotary dial, anti-sidetone type units that operate efficiently over a wide range of loop resistances and line impedances.
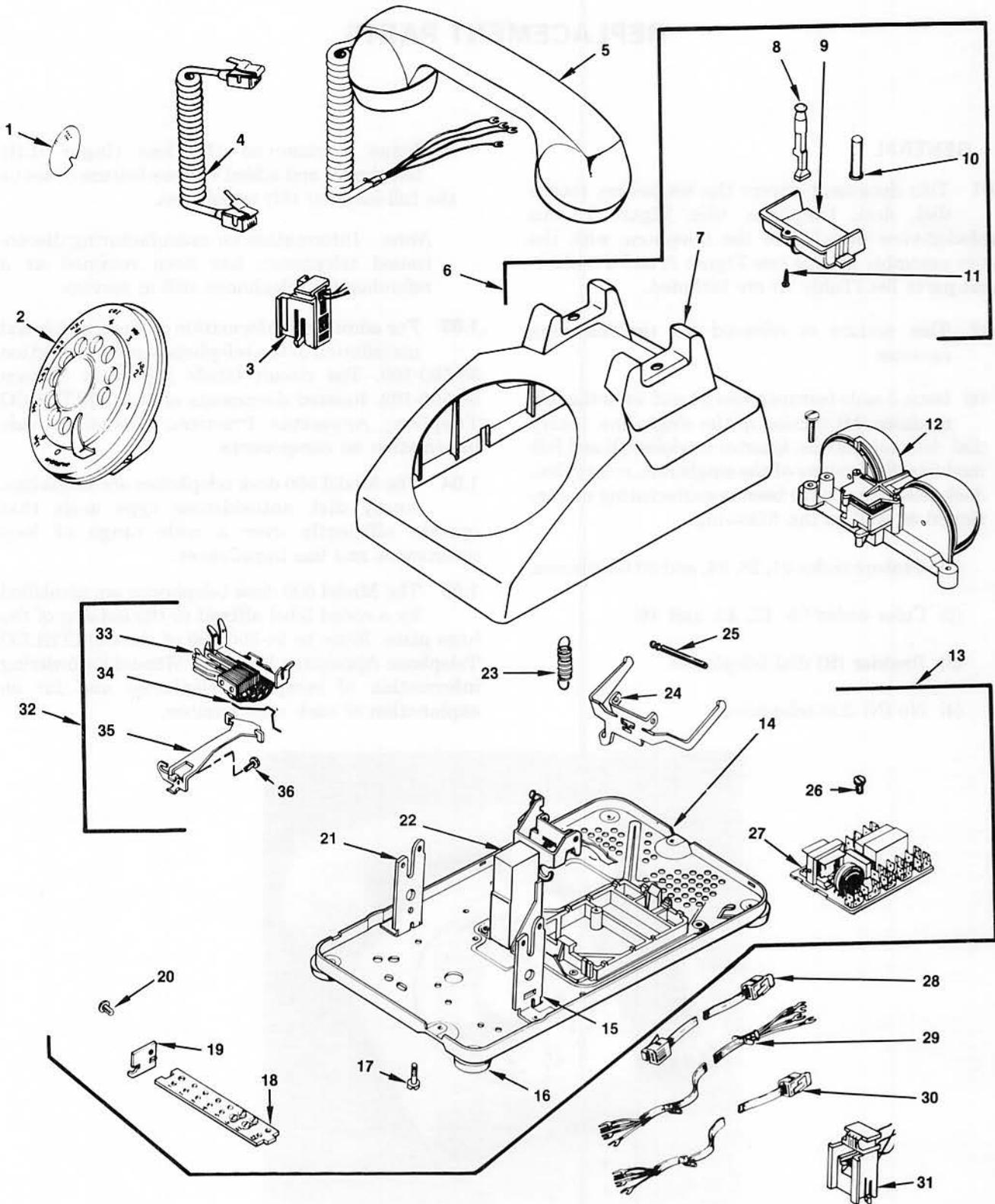
1.05 The Model 500 desk telephones are identified by a coded label affixed to the bottom of the base plate. Refer to 50-500-100 of the CORTELCO Telephone Apparatus Practices Manual for ordering information of complete telephones and for an explanation of each code number.

AW82-323

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

AW86-665

Figure 2: Single-Line, Rotary Dial, Desk Telephone, Exploded View

TABLE A

REPLACEMENT PARTS LIST

INDEX NO	PART NUMBER	DESCRIPTION	QUANTITY USED								
		Single-Line, Rotary Dial, Desk Telephone	500/20	500/21	500/24	500/27	500/28	500/39	500/44	502/30	502/34
1	075415-101	Card, Number (Insert)	1	1	1	1	1	1	1	1	1
1	183498-101	Card, Number (Stick-On)	1	1	1	1	1	1	1	1	1
2	0030**-00G	Dial Assembly (Metropolitan, Letters And Numerals)[1]	1	1	1	1	1	—	1	1	1
2	0030**-00D	Dial Assembly (Regular, Numerals Only)[1]	1	1	1	1	1	—	1	1	1
2	0035**-00G	Dial Assembly, Handsfree (Metropolitan, Letters And Numerals)[1]	—	—	—	—	—	1	—	—	—
2	0035**-00D	Dial Assembly, Handsfree (Regular, Numerals Only)[1]	—	—	—	—	—	1	1	—	—
	181448-0**	Dial, Blank (Not Shown)	1	1	1	1	1	1	1	1	1
3	182946-101	Modular Jack Assembly (Handset Cord)	1	—	1	1	1	—	1	—	—
4	9018**-072	Cord, Handset (Modular)	1	—	1	1	1	—	1	—	—
4	9018**-108	Cord, Handset (Modular)	—	1	—	—	—	—	—	—	—
5	0065**-0C2	Handset Assembly (Nonmodular)[1]	1	—	1	1	1	1	1	1	1
5	0065**-0C3	Handset Assembly (Nonmodular With 9-Foot Cord)[1]	—	1	—	—	—	—	—	—	—
5	0065**-0M2	Handset Assembly (Modular)[1]	1	—	1	1	1	—	1	—	—
6	182849-0**	Housing And Plunger Assembly (Full-Modular)[2]	1	—	—	—	—	—	1	—	—
6	182959-0**	Housing And Plunger Assembly (Full-Modular)[2]	—	—	1	—	—	—	—	—	—
6	182961-0**	Housing And Plunger Assembly (Full-Modular)[2]	—	—	—	1	1	—	—	—	—
6	184414-0**	Housing And Plunger Assembly[2]	1	1	—	—	—	1	1	—	—
6	184415-0**	Housing And Plunger Assembly[2]	—	—	—	—	—	—	—	1	—
6	184416-0**	Housing And Plunger Assembly[2]	—	—	1	—	—	—	—	—	—
6	184418-0**	Housing And Plunger Assembly[2]	—	—	—	1	1	—	—	—	—
6	184420-0**	Housing And Plunger Assembly[2]	—	—	—	—	—	—	—	—	1
6	187471-0**	Housing And Plunger Assembly	1	1	—	—	—	—	1	—	—
6	187476-0**	Housing And Plunger Assembly	—	—	1	—	—	—	—	—	—
6	187477-0**	Housing And Plunger Assembly	—	—	—	1	1	—	—	—	—
	182412-101	Lamp, 125V Message Waiting (Not Shown)	—	—	—	—	1	—	—	—	—
	182412-102	Lamp, 90V Message Waiting (Not Shown)	—	—	—	1	—	—	—	—	—
6	187485-0**	Housing And Plunger Assembly	1	1	—	—	—	1	1	—	—
6	187486-0**	Housing And Plunger Assembly	—	—	—	—	—	—	—	—	1
6	187487-0**	Housing And Plunger Assembly	1	1	—	—	—	1	1	—	—
6	187488-0**	Housing And Plunger Assembly	—	—	—	1	1	—	—	—	—
6	187490-0**	Housing And Plunger Assembly	—	—	—	—	—	—	—	—	1
7	182823-0**	Housing (Full-Modular)[2]	1	—	—	—	—	—	1	—	—
7	183566-0**	Housing (Full-Modular)[2]	—	—	1	—	—	—	—	—	—
7	183567-0**	Housing (Full-Modular)[2]	—	—	—	1	1	—	—	—	—
7	184409-0**	Housing[2]	—	—	—	1	1	—	—	—	—
7	184410-0**	Housing[2]	—	—	1	—	—	—	—	—	1
7	184518-0**	Housing[2]	1	1	—	—	—	1	1	1	—
7	187399-0**	Housing	1	1	—	—	—	—	1	—	—
7	187478-0**	Housing	—	—	1	—	—	—	—	—	—
7	187479-0**	Housing	—	—	—	1	1	—	—	—	—
8	079603-102	Plunger, Exclusion	—	—	—	—	—	—	—	1	1
	075405-0**	Plunger, Retainer (Not Shown)	1	1	1	1	1	1	1	—	—
9	079606-0**	Plunger, Retainer	—	—	—	—	—	—	—	1	1
10	075406-102	Plunger, Cradle Switch	2	2	2	2	2	2	2	—	—
10	079101-102	Plunger, Cradle Switch	—	—	—	—	—	—	—	1	1
11	075407-102	Screw, Plunger Retainer[2]	1	1	1	1	1	1	1	1	1
12	000130-0BA	Ringer, 4-Wire (With ANI)[1, 2, 3]	1	1	1	1	1	1	1	1	1
12	000130-NBA	Ringer, 4-Wire (With ANI)[1, 3]	1	1	1	1	1	1	1	1	1
12	000130-SBA	Ringer, 2-Wire (Less ANI)[1, 2, 4]	1	1	1	1	1	1	1	1	1
12	000130-PBA	Ringer, 2-Wire (Less ANI)[1, 4]	1	1	1	1	1	1	1	1	1
	095992-102	Screw, Ringer Mounting (Not Shown)	2	2	2	2	2	2	2	2	2
13	075338-101	Base Assembly (With Metal Base Plate)	1	1	1	—	—	1	1	1	1
13	075338-107	Base Assembly (With Metal Base Plate)	—	—	—	1	1	—	—	—	—
13	075338-110	Base Assembly (With Metal Base Plate)[2]	—	—	—	—	—	1	—	—	—
13	187338-101	Base Assembly (With Plastic Base Plate)[2]	1	1	1	—	—	—	1	1	1
13	187338-107	Base Assembly (With Plastic Base Plate)[2]	—	—	—	1	1	—	—	—	—
13	187338-110	Base Assembly (With Plastic Base Plate)[2]	—	—	—	—	—	1	—	—	—

TABLE A

REPLACEMENT PARTS LIST (Cont)

INDEX NO	PART NUMBER	DESCRIPTION	QUANTITY USED								
		Single-Line, Rotary Dial, Desk Telephone	500/20	500/21	500/24	500/27	500/28	500/39	500/44	502/30	502/34
14	075327-101	Plate, Metal Base	1	1	1	1	1	1	1	1	1
14	184400-101	Plate, Plastic Base[2]	1	1	1	1	1	1	1	1	1
15	087054-102	Bracket Dial (R.H.)	1	1	1	1	1	1	1	1	1
16	182337-101	Foot (For Metal Base)	4	4	4	4	4	4	4	4	4
	184403-101	Foot, Rubber (For Plastic Base) (Not Shown)[2]	4	4	4	4	4	4	4	4	4
	082486-102	Rivet, Foot (Metal Base Plate) (Not Shown)	4	4	4	4	4	4	4	4	4
17	075366-101	Screw, Cabinet Locking[2]	2	2	2	2	2	2	2	2	2
17	075486-101	Screw, Housing To Base	2	2	2	2	2	2	2	2	2
18	079467-101	Terminal Board Assembly	—	—	—	—	—	1	—	—	—
18	079467-104	Terminal Board Assembly	—	—	—	—	—	—	—	1	1
19	086103-101	Plate, Mounting	—	—	—	—	—	1	—	1	1
20	180219-101	Screw, B.H.M.	—	—	—	—	—	1	—	1	1
21	087054-101	Bracket, Dial (L.H.)	1	1	1	1	1	1	1	1	1
22	075300-101	Cradle Switch Assembly	1	1	1	—	—	—	1	1	1
22	075300-103	Cradle Switch Assembly	—	—	—	1	1	—	—	—	—
22	075300-104	Cradle Switch Assembly	—	—	—	—	—	1	—	—	—
	075309-101	Spring Nest Assembly (Not Shown)	1	1	1	—	—	—	1	1	1
	075309-102	Spring Nest Assembly (Not Shown)	—	—	—	1	1	—	—	—	—
	084764-101	Spring Nest Assembly (Not Shown)	—	—	—	—	—	1	—	—	—
23	075307-101	Spring, Cradle Return	1	1	1	1	1	1	1	1	1
24	075398-101	Arm, Operating	1	1	1	1	1	1	1	1	1
25	075308-101	Pin, Pivot	1	1	1	1	1	1	1	1	1
26	096407-103	Screw, Network Mounting	1	1	1	1	1	1	1	1	1
27	181427-101	PC Network (#183070-101)[1]	1	1	1	1	1	1	1	1	1
	182175-101	Spacer, Network (For Metal Base Plate) (Not Shown)[2]	1	1	1	1	1	1	1	1	1
	031944-107	Rivet (Metal Base Plate) (Not Shown)	5	5	5	5	5	5	5	5	5
28	182827-084	Cord, Line (Full-Modular)	1	1	1	1	1	—	1	—	—
29	182800-084	Cord, Line (Nonmodular)	1	1	1	1	1	—	1	—	—
29	184358-066	Cord, Line (Nonmodular)	—	—	—	—	—	—	—	1	—
29	184359-066	Cord, Line (Nonmodular)	—	—	—	—	—	—	—	—	1
29	184366-066	Cord, Line (Nonmodular)	—	—	—	—	—	1	—	—	—
30	182852-084	Cord, Line (Quarter-Modular)	1	1	1	1	1	—	1	—	—
31	182856-101	Modular Jack Assembly (Line Cord)	1	—	1	1	1	—	1	—	—
32	079613-101	Exclusion Switch Assembly	—	—	—	—	—	—	—	1	1
33	079614-101	Switch, Exclusion	—	—	—	—	—	—	—	1	1
34	079624-101	Retainer	—	—	—	—	—	—	—	1	1
35	079605-101	Bracket	—	—	—	—	—	—	—	1	1
36	069020-103	Screw, B.H.M	—	—	—	—	—	—	—	1	1
	181971-101	Pushbutton, Grounding (Not Shown)	—	—	1	—	—	—	—	—	1

AW89-17

NOTES:
** Substitute 2-Digit Color Code When Ordering.
[1] Refer To Component Parts Section Of This Manual For Assembly Parts List.
[2] This Product Has Been Manufacturing Discontinued, But Is Included As A Reference For Telephones Still In Service.
[3] The 000130-NBA Ringer Replaces The 000130-OBA Ringer.
[4] The 000130-PBA Ringer Replaces The 000130-SBA Ringer.