

SINGLE-LINE, PUSHBUTTON DIAL, DESK TELEPHONES

REPLACEMENT PARTS

1. GENERAL

1.01 This document covers the single-line, pushbutton dial, desk telephones. (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 50M and 57M to the modular (M) version of the single-line, pushbutton dial, desk telephone. The feature code 20F and 27F telephones have been changed to center the faceplate. Quarter-modular (Q) and full-modular (F) versions of the single-line, pushbutton dial, desk telephones have been manufacturing discontinued as well as the following:

- (1) Tel-Pulse (T) dial and regular (R) dial telephones.
- (2) Less ringer (LR) telephones.
- (3) Hold (H) feature telephones.
- (4) Color code 05, 12, 43, and 46 telephones.

(5) Feature code 28 and 39 telephones.

(b) Issue 2 added the Model 2500** () 20H, the Model 2500** () 20F, and the Model 2500** () 27F telephones.

Note: Selected 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 50-500-103. The circuit labels appear in Section 50-500-105. Related documents of the CORTELCO Telephone Apparatus Practices Manual provide information on components.

1.04 The Model 2500 desk telephones are single-line, pushbutton dial, anti-sidetone type units that operate efficiently over a wide range of loop resistances and line impedances.

1.05 The Model 2500 desk telephones are identified by a coded label affixed to the bottom of the base plate. Refer to Section 50-500-103 of the CORTELCO Telephone Apparatus Practices Manual for ordering information of complete telephones and for an explanation of each code number.



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

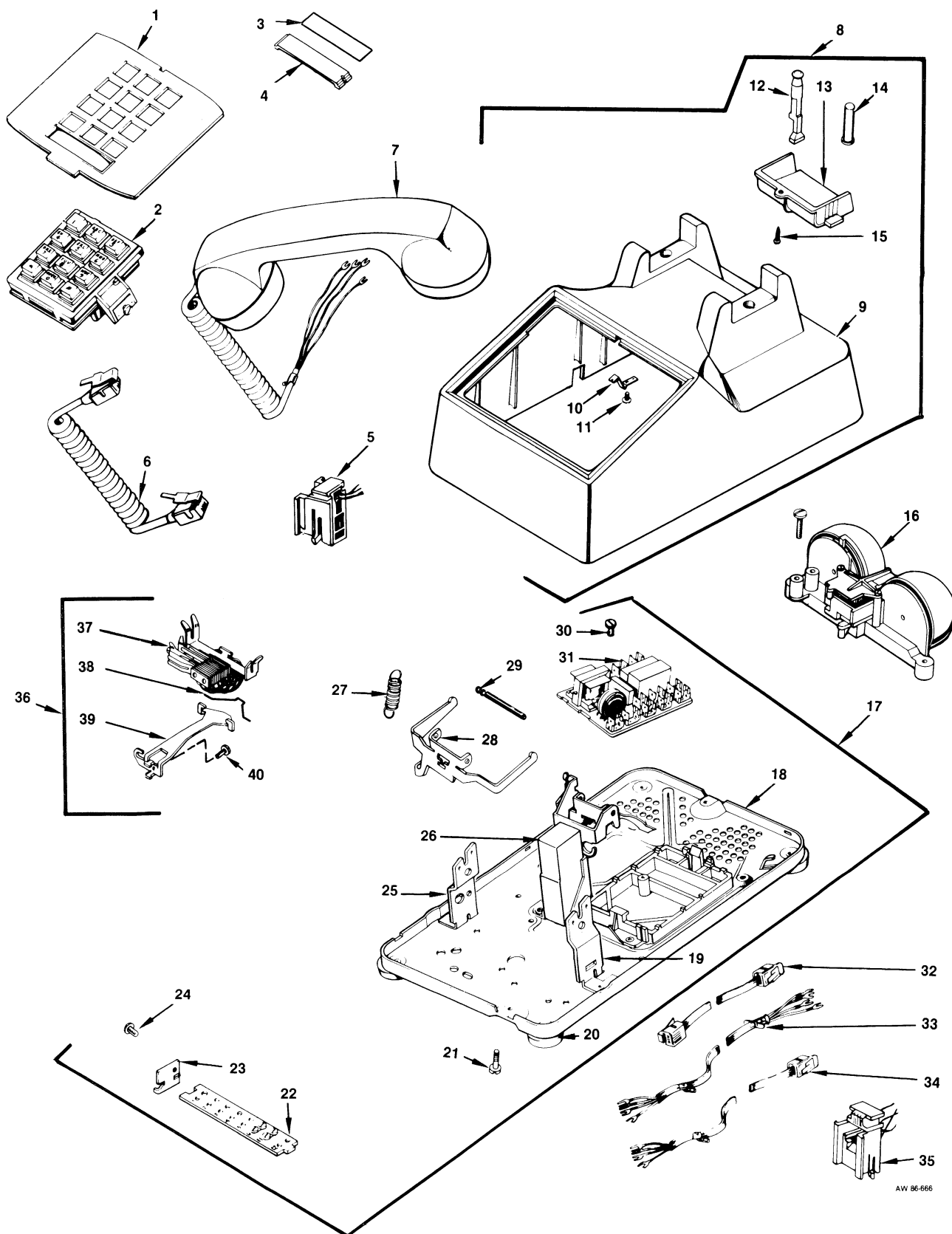


Figure 2: Single-Line, Pushbutton Dial, Desk Telephone, Exploded View

TABLE A
REPLACEMENT PARTS LIST

INDEX NO	PART NUMBER	DESCRIPTION	QUANTITY USED									
			2500/20	2500/21	2500/24	2500/27	2500/28	2500/39	2500/44	2500/50	2500/57	2502/30
		Single-Line, Pushbutton Dial, Desk Telephone										
1	180147-0**	Faceplate	1	1	—	1	1	1	1	1	1	1
1	181490-0**	Faceplate	—	—	1	—	—	—	—	—	—	—
1	188400-0**	Faceplate, 16-Button Dial (20H) (Not Shown)	1	—	—	—	—	—	—	—	—	—
1	188585-101	Faceplate, 16-Button Dial (20F) (Not Shown)	1	—	—	—	—	—	—	—	—	—
1	187439-102	Faceplate	1	—	—	—	—	—	—	—	—	—
1	188321-101	Faceplate, 16-Button Dial (27F) (Not Shown)	—	—	—	1	—	—	—	—	—	—
1	187439-101	Faceplate	—	—	—	1	—	—	—	—	—	—
1	188586-101	Mat, 16-Button Dial Faceplate (20F) (Not Shown)	1	—	—	—	—	—	—	—	—	—
1	188599-102	Mat, Faceplate (20F)	1	—	—	—	—	—	—	—	—	—
1	188323-101	Mat, 16-Button Dial Faceplate (27F) (Not Shown)	—	—	—	1	—	—	—	—	—	—
1	188599-101	Mat, Faceplate (27F) (Not Shown)	—	—	—	1	—	—	—	—	—	—
2	004200-EPG	Dial Assembly, Pushbutton Digital (Metropolitan, Letters And Numerals) ^{1, 4, 9}	1	1	1	1	1	—	1	1	1	1
2	004200-EPD	Dial Assembly, Pushbutton Digital (Regular, Numerals Only) ^{1, 4, 10}	1	1	1	1	1	—	1	—	—	1
2	004200-OPG	Dial Assembly, Pushbutton Digital (Metropolitan, Letters And Numerals) ^{1, 2, 4, 9}	1	1	1	1	1	—	1	—	—	1
2	004200-OPD	Dial Assembly, Pushbutton Digital (Regular, Numerals Only) ^{1, 2, 5, 10}	1	1	1	1	1	—	1	—	—	1
2	003200-OPG	Dial Assembly, Pushbutton Tel-Touch (Metropolitan, Letters and Numerals) ^{1, 2, 4}	—	—	—	—	—	1	—	—	—	—
2	003200-OPD	Dial Assembly, Pushbutton Tel-Touch (Metropolitan, Numerals Only) ^{1, 2, 5}	—	—	—	—	—	1	1	—	—	—
2	006300-OPG	Dial Assembly, Pushbutton Tel-Pulse (Metropolitan, Letters And Numerals) ¹	1	1	—	—	—	—	—	—	—	—
2	007000-OOG	Dial Assembly, Pushbutton Repertory (Metropolitan, Letters And Numerals) (20S) ^{1, 2}	1	—	—	—	—	—	—	—	—	—
2	004600-OPG	Dial Assembly, Pushbutton Digital, Handsfree (Metropolitan, Letters And Numerals) ^{1, 2, 6}	—	—	—	—	—	1	—	—	—	—
2	004600-OPD	Dial Assembly, Pushbutton Digital, Handsfree (Regular, Numerals Only) ^{1, 7}	—	—	—	—	—	1	—	—	—	—
2	003600-OPG	Dial Assembly, Pushbutton Tel-Touch, Handsfree (Metropolitan, Letters And Numerals) ^{1, 2}	—	—	—	—	—	1	—	—	—	—
2	003600-OPD	Dial Assembly, Pushbutton Tel-Touch, Handsfree (Regular, Numerals Only) ^{1, 2}	—	—	—	—	—	1	—	—	—	—
2	188478-101	Dial Assembly, 16-Button, Tel-Touch (Metropolitan, Letters And Numerals) (20H) ¹	1	—	—	—	—	—	—	—	—	—
2	188478-107	Dial Assembly, 16-Button, Tel-Touch (Metropolitan, Letters And Numerals) (27F) ¹	—	—	—	1	—	—	—	—	—	—
2	188256-101	Dial Assembly, Pushbutton Tel-Touch (27F Centered Dial) ¹	—	—	—	1	—	—	—	—	—	—
2	188478-106	Dial Assembly, 16-Button, Tel-Touch (Metropolitan, Letters And Numerals) (20F) ¹	1	—	—	—	—	—	—	—	—	—
2	188256-102	Dial Assembly, Pushbutton Tel-Touch (20F Centered Dial) ¹	1	—	—	—	—	—	—	—	—	—
3	087513-101	Card, Number	1	1	1	1	1	1	1	1	1	1
3	087513-102	Card, Number (Strip Of 6) (Not Shown) ⁸	—	—	—	—	—	—	—	—	—	—
4	087514-101	Retainer, Number Card	1	1	1	1	1	1	1	1	1	1
5	182946-101	Modular Jack Assembly (Handset Cord)	1	1	1	1	1	—	1	1	1	—
6	9018**-072	Cord, Handset (Modular)	1	—	1	1	1	—	1	—	—	—
6	9018**-108	Cord, Handset (9-Foot, Modular)	1	1	1	1	—	—	1	1	1	—
7	0065**-OC2	Handset Assembly (Nonmodular) ¹	1	—	1	1	1	1	1	—	—	1
7	0065**-OC3	Handset Assembly (Nonmodular With 9-Foot Handset Cord) ¹	—	1	—	—	—	—	—	—	—	—
7	0065**-OM2	Handset Assembly (Modular) ¹	1	1	1	1	1	—	1	1	1	—
8	187472-0**	Housing And Plunger Assembly	1	1	1	1	—	1	1	—	—	—
8	187473-0**	Housing And Plunger Assembly	—	—	—	1	1	—	—	—	—	—
8	187474-0**	Housing And Plunger Assembly (Full-Modular)	—	—	—	1	1	—	—	—	—	—
8	187475-0**	Housing And Plunger Assembly (Full-Modular)	1	1	1	1	—	—	1	—	—	—
8	184423-0**	Housing And Plunger Assembly	—	—	—	—	—	—	—	—	—	1

SECTION 50-500-104, ISS 3

TABLE A
REPLACEMENT PARTS LIST (Cont)

INDEX NO	PART NUMBER	DESCRIPTION	QUANTITY USED									
			2500/20	2500/21	2500/24	2500/27	2500/28	2500/39	2500/44	2500/50	2500/57	2502/30
		Single-Line, Pushbutton Dial, Desk Telephone										
8	184118-0**	Housing And Plunger Assembly (Full-Modular) (20S) ²	1	—	—	—	—	—	—	—	—	—
8	184116-0**	Housing And Plunger Assembly (Nonmodular) (20S) ²	1	—	—	—	—	—	—	—	—	—
9	184399-0**	Housing	1	1	1	—	—	1	1	—	—	1
9	187798-0**	Housing	—	—	—	—	—	—	—	1	—	—
9	184412-0**	Housing	—	—	—	1	1	—	—	—	1	—
9	187796-0**	Housing	—	—	—	—	—	—	—	1	—	—
9	183564-0**	Housing (Full-Modular)	—	—	—	1	1	—	—	—	—	—
9	182825-0**	Housing (Full-Modular)	1	1	1	—	—	—	1	—	—	—
9	184117-0**	Housing (Full-Modular) (20S) ²	1	—	—	—	—	—	—	—	—	—
9	185115-0**	Housing (20S) ²	1	—	—	—	—	—	—	—	—	—
10	086143-101	Clip, Faceplate	1	1	1	1	1	1	1	1	1	1
11	096006-102	Screw, Faceplate Clip	1	1	1	1	1	1	1	1	1	1
12	079101-102	Plunger, Exclusion	—	—	—	—	—	—	—	—	—	1
13	075405-0**	Plunger, Retainer	1	1	1	1	1	1	1	1	1	—
13	079606-0**	Plunger, Retainer	—	—	—	—	—	—	—	—	—	1
14	075406-102	Plunger, Cradle Switch	2	2	2	2	2	2	2	2	2	—
14	079603-102	Plunger, Cradle Switch	—	—	—	—	—	—	—	—	—	1
15	075407-102	Screw, Plunger Retainer	1	1	1	1	1	1	1	1	1	1
16	000130-OBA	Ringer, 4-Wire (With ANI) ^{1, 2, 11}	1	1	1	1	1	1	1	1	1	1
16	000130-NBA	Ringer, 4-Wire (With ANI) ^{1, 11}	1	1	1	1	1	1	1	1	1	1
16	000130-SBA	Ringer, 2-Wire (Less ANI) ^{1, 2, 12}	1	1	1	1	1	1	1	1	1	1
16	000130-PBA	Ringer, 2-Wire (Less ANI) ^{1, 12}	1	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	2
17	075338-113	Base Assembly (With Metal Base Plate)	1	1	1	1	—	—	1	1	—	—
17	187338-113	Base Assembly (With Plastic Base Plate) ²	1	1	1	—	—	—	1	—	—	—
17	075338-102	Base Assembly (With Metal Base Plate)	—	—	—	1	1	—	—	—	1	—
17	187338-102	Base Assembly (With Plastic Base Plate) ²	—	—	—	1	1	—	—	—	—	—
17	075338-120	Base Assembly (With Metal Base Plate)	—	—	—	—	—	1	—	—	—	—
17	187338-120	Base Assembly (With Plastic Base Plate) ²	—	—	—	—	—	1	—	—	—	—
17	075338-116	Base Assembly (With Metal Base Plate)	—	—	—	—	—	—	—	—	—	1
17	075338-121	Base Assembly (20S) (With Metal Base Plate)	1	—	—	—	—	—	—	—	—	—
	182606-101	Rivet (Not Shown)	5	5	5	5	5	5	5	5	5	5
18	075327-101	Plate, Metal Base	1	1	1	1	1	1	1	1	1	1
18	184400-101	Plate, Plastic Base ²	1	1	1	1	1	1	1	1	1	1
19	086145-101	Bracket, Dial (R. H.)	1	1	1	1	1	1	1	1	1	1
20	184403-101	Foot, Rubber (For Plastic Base) (Not Shown) ²	4	4	4	4	4	4	4	—	—	4
20	182337-101	Foot (For Metal Base)	4	4	4	4	4	4	4	4	4	4
	082486-102	Rivet, Foot (For Metal Base) (Not Shown)	4	4	4	4	4	4	4	4	4	4
21	075486-101	Screw, Housing To Base	2	2	2	2	2	2	2	2	2	2
22	079467-101	Terminal Board Assembly	—	—	—	—	—	1	—	—	—	—
22	079467-104	Terminal Board Assembly	—	—	—	—	—	—	—	—	—	1
22	079467-106	Terminal Board Assembly (20S) ²	1	—	—	—	—	—	—	—	—	—
23	086103-101	Plate, Mounting	1	—	—	—	—	1	—	—	—	1
24	180219-101	Screw, B. H. M.	1	—	—	—	—	1	—	—	—	1
25	086146-101	Bracket, Dial (L. H.)	1	1	1	1	1	1	1	1	1	1
26	075300-101	Cradle Switch Assembly ¹	1	1	1	—	—	—	1	—	—	1
26	075300-103	Cradle Switch Assembly ¹	—	—	—	1	1	—	—	—	—	—
26	075300-104	Cradle Switch Assembly ¹	—	—	—	—	—	1	—	—	—	—
	075309-101	Spring Nest Assembly (Not Shown)	1	1	1	1	—	—	1	—	1	—
	075309-102	Spring Nest Assembly (Not Shown)	—	—	—	1	1	—	—	1	—	—
	084764-101	Spring Nest Assembly (Not Shown)	—	—	—	—	—	1	—	—	—	—
27	075307-101	Spring, Cradle Return	1	1	1	1	1	1	1	1	1	1
28	075308-101	Pin, Pivot	1	1	1	1	1	1	1	1	1	1
29	075302-101	Arm, Operating	1	1	1	1	1	1	1	1	1	1
30	096407-103	Screw, Network Mounting	1	1	1	1	1	1	1	1	1	1
31	181427-102	PC Network (#183070-102)	1	1	1	1	1	1	1	1	1	1
	031944-108	Rivets (Not Shown)	2	2	2	2	2	2	2	2	2	2

TABLE A
REPLACEMENT PARTS LIST (Cont)

INDEX NO	PART NUMBER	DESCRIPTION	QUANTITY USED									
			2500/20	2500/21	2500/24	2500/27	2500/28	2500/39	2500/44	2500/50	2500/57	2502/30
		Single-Line, Pushbutton Dial, Desk Telephone										
	186275-101	PC Board (20H) (Not Shown)	1	—	—	—	—	—	—	—	—	—
	601959-536	PC Board (20F, 27F) (Not Shown)	1	—	—	1	—	—	—	—	—	—
32	182827-084	Cord, Line (Full-Modular)	1	1	1	1	1	—	1	1	1	—
33	182800-084	Cord, Line (Nonmodular)	1	1	1	1	1	—	1	—	—	—
33	184366-066	Cord, Line (Nonmodular)	—	—	—	—	—	1	—	—	—	1
33	184358-066	Cord, Line (Nonmodular)	—	—	—	—	—	—	—	—	—	1
34	182852-084	Cord, Line (Quarter-Modular)	1	1	1	1	1	—	1	—	—	—
35	182856-101	Modular Jack Assembly (Line Cord)	1	1	1	1	1	—	1	2	2	—
36	079613-101	Exclusion Switch Assembly ³	—	—	—	—	—	—	—	—	—	1
37	079614-101	Switch, Exclusion	—	—	—	—	—	—	—	—	—	1
38	079624-101	Retainer	—	—	—	—	—	—	—	—	—	1
39	079605-101	Bracket	—	—	—	—	—	—	—	—	—	1
40	069020-103	Screw, B. H. M.	1	—	—	—	—	—	—	—	—	—
36	079613-102	Hold Switch Assembly (20S) ²	1	—	—	—	—	—	—	—	—	—
37	079614-102	Switch, Hold	1	—	—	—	—	—	—	—	—	—
38	079624-101	Retainer	1	—	—	—	—	—	—	—	—	—
39	079605-101	Bracket	1	—	—	—	—	—	—	—	—	—
40	069020-103	Screw, B. H. M.	1	—	—	—	—	—	—	—	—	—
	181971-101	Pushbutton, Grounding (Not Shown)	—	—	1	—	—	—	—	—	—	—
	182412-101	Lamp, 125-Volt Message Waiting (Not Shown)	—	—	—	—	1	—	—	—	—	—
	182412-102	Lamp, 90-Volt Message Waiting (Not Shown)	—	—	—	1	—	—	—	—	1	—

AW89-33

Notes:

- ** Substitute 2-Digit Color Code When Ordering.
- ¹ Refer To Component Parts Section Of This Manual For Assembly Parts List.
- ² These Products Have Been Manufacturing Discontinued, But Are Included As A Reference For Telephones Still In Service.
- ³ Not Available With The Model 2500 Telephones.
- ⁴ The 004200-OPG Dial Assembly Replaces The 003200-OPG Dial Assembly.
- ⁵ The 004200-OPD Dial Assembly Replaces The 003200-OPD Dial Assembly.
- ⁶ The 004600-OPG Dial Assembly Replaces The 003600-OPG Dial Assembly.
- ⁷ The 004600-OPD Dial Assembly Replaces The 003600-OPD Dial Assembly.
- ⁸ Must Be Ordered Separately.
- ⁹ The 004200-EPG Dial Assembly Replaces The 004200-OPG Dial Assembly.
- ¹⁰ The 004200-EPD Dial Assembly Replaces The 004200-OPD Dial Assembly.
- ¹¹ The 000130-NBA Ringer Replaces The 000130-OBA Ringer.
- ¹² The 000130-PBA Ringer Replaces The 000130-SBA Ringer.