

Section P

of TELEPHONE EQUIPMENT & SUPPLIES CATALOG

ISSUED SEPTEMBER, 1964

TELEPHONE-PAYSTATION PARTS LIST

GROUP I—Replacement Parts for Currently Manufactured Telephones

	Page
Type 80 Telephone.....	2, 3
Type 80T Telephone.....	4, 5
Type 90M Telephone.....	6, 7
Type 85 Telephone.....	8, 9
Type 86 Telephone.....	10-13
Type 86A Key Telephone Adapter.....	14, 15
Type 87A Telephone.....	16-19
Type 88AT Adapter Unit—Loudspeaking Tele- phone Conversion Set.....	20
Types 88T and 88AT Speaker Assembly.....	21
Type 182 Starlite® Telephone.....	22, 23
Type 183 Space-Maker® Telephone.....	24, 25
Type 800 Handtest Telephone.....	26, 27
Type 860A Call Commander® Telephone.....	28-31
Type 880 Speakerphone.....	32-35
Type 900 Leich Telephone.....	36, 37
Type L-975 Outdoor Telephone.....	38, 39

GROUP II—Dial, Handset and Ringer Replacement Parts

Dial Front Parts for Type 51A, 51A SATT A and B Dials.....	40
Dial Front Parts for Type 52, 53A and 53B Dials.....	41
Dial Front Parts for Type 54, 54A and 54B Dials.....	42
Common Parts for Type 51A, 51A SATT A and B, 52, 53A, 53B, 54, 54A and 54B Dials.....	43
Spring Combination for Type 51A, 52 and 54 Dials.....	44
Spotter Spring Combination for Type 51A SATT A and B, 53A, 53B, 54A and 54B Dials.....	44
Type 81 and 810 Handsets.....	45
Type 84 and 840 Handsets.....	46
Type 45 Frequency Ringer.....	47
Type 45 Straight Line Ringer.....	48
Ringer for Type 86 and 87 Telephones.....	49
Single Gong, Single Coil Ringer for Type 860A Telephone.....	50
Type 33 Ringer Box.....	51
Type 87CA Common Audible Signal Unit.....	52
Table A—Dial Ordering Information.....	53
Table B—Color Suffix.....	53
Table C—Cam Adjustment, SATT A Dial.....	53
Table D—Cam Adjustment, SATT B Dial.....	53

GROUP III—Replacement Parts for Dis- continued Telephones and Apparatus

	Page
Type 40 Desk Telephone.....	54, 55
Type 44 Telephone.....	56, 57
Type 47 Telephone.....	58, 59
Type 50 Wall Telephone.....	60, 61
Type 82 Dial Lighted Telephone.....	62, 63
Type 83 Telephone.....	64
Type 88 Loud Speaking Telephone.....	65-67
Type 88 Speaker Assembly.....	67
Type 88T Telephone.....	68-71
Adapter Unit for Type 88A Loudspeaking Tele- phone Conversion Set.....	72
Type 90 Telephone.....	73-75
Type 41 Handset.....	76
Type 32 Ringer Box.....	77
Type L-965 Handtest Telephone.....	78, 79
Table A—Ringer Ordering Information for Type 40 and 50 Telephones.....	80

GROUP IV—Color Suffix Chart..... 81-83

GROUP V—Paystation Replacement Parts

General Information and Use of Tables.....	84
Figure 1—Illustrations of Types LPA-82, LPA-92 and LPB-82.....	85, 86
Figure 2—Illustrations of Types LPA-86, LPA-96 and LPB-86.....	87, 88
Figure 3—Illustrations of Types LPA-89, LPA-99 and LPB-89.....	89, 90
Table I.....	91-96
Table II.....	97

AUTOMATIC ELECTRIC COMPANY

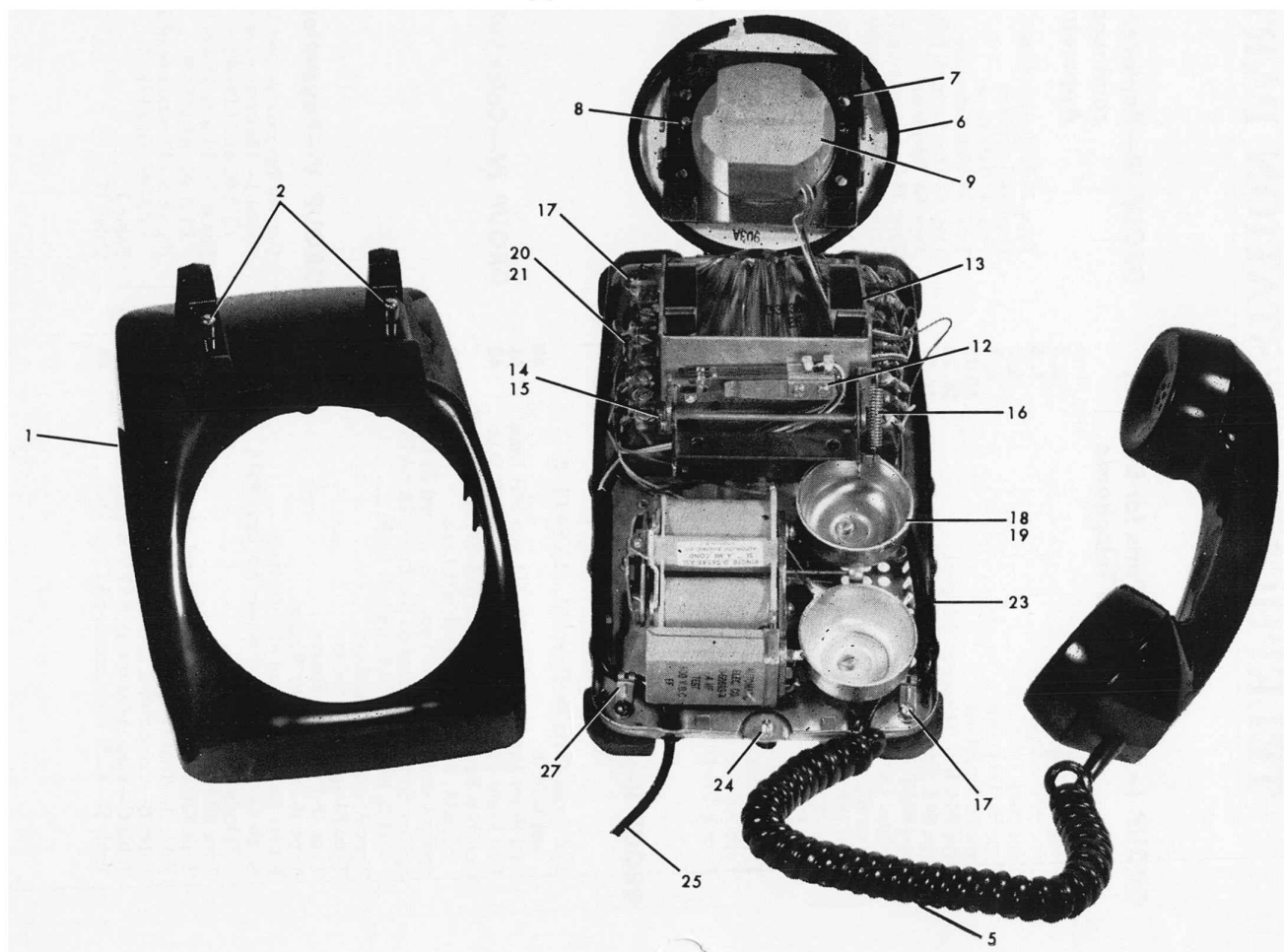
NORTHLAKE, ILLINOIS 60164 / TELEPHONE (312) 562-7100

Copyright © 1964, by Automatic Electric Company • Printed in U.S.A. • Catalog 11,000-P-64

GROUP I—Replacement Parts for Currently Manufactured Telephones

Parts for telephones listed in this group are usually available for immediate shipment. When requesting colored components such as housing, cradle hole cover, etc., consult Group IV for ordering information.

Type 80 Telephone



Item Num- ber	Description	Amt. Reqd.	ORDER No.	
			Type 80 Manual	Type 80 Self-Comp.
1	Housing ¹	1	D-49935-	D-49935-
2	Plunger.....	2	D-67586-A	D-67586-A
3	Cradle Hole Cover ^{1,2}	1	D-49937-	D-49937-
4	Screw, Cradle Hole Cover ²	1	D-760904-A	D-760904-A
5	Handset and Cord Assembly ¹	1	L-9024- or L-9027-	L-9053- or L-9054-
6	Dial Only ³ :			
	Type 52 (1-0).....	1	D-84900-	D-84900-
	Type 52 (ABC).....		D-84901-	D-84901-
	Type 53A (SATT A).....		D-84915-	D-84915-
	Type 53B (SATT B).....		D-84916-	D-84916-
7	Dial Mounting Bracket.....	1	D-731543-A	D-731543-A
8	Screw, Dial Mounting Bracket.....	2	D-760730-A	D-760730-A
9	Dial Dust Cover.....	1	D-49929-A	D-49929-A
10	Screw, Dial Dust Cover (4-36x $\frac{3}{16}$ " RHIMS) ²	2		
11	Dial Hole Cover ^{1,2}	1	D-49995-	D-49995-
12	Spring Combination, Hookswitch.....	1	D-735355-A	D-735355-D
13	Tripod Assembly.....	1	D-731713-BR	D-731713-BR
14	Switch Lever Pin Lock.....	1	D-58062-A	D-58062-A
15	Screw, Switch Lever Pin Lock (3-48x $\frac{3}{16}$ " BDG HIMS).....	1		

Item Num- ber	Description	Amt. Reqd.	ORDER No.	
			Type 80 Man. Comp.	Type 80 Self-Comp.
16	Switch Lever Coil Spring.....	1	D-109780-A	D-109780-A
17	Screw, Bracket and Cord Clamp.....	4	D-760733-A	D-760733-A
18	Ringer Assembly ⁴ (Type 45).....	1	D-56548-	D-56548-
19	Screw, Ringer Assembly Mounting (Fur- nished with Ringer Assembly).....	3	D-760735-A	D-760735-A
20	Transmission Unit:			
	Standard.....	1	D-38362-A	D-38384-AR
	With RC Network.....		D-38368-A	
21	Screw, Transmission Unit (5-40x $\frac{1}{4}$ " BDG HIMS).....	16		
22	Terminal Link ²	1		D-61079-A
23	Base Plate Assembly.....	1	D-780659-A	D-780659-G
24	Screw, Base Plate.....	3	D-760793-A	D-760793-A
25	Line Cord ¹	1	D-543212-	D-543212-
26	Rheostat ²	1	D-284068-A	
27	Strain Relief Clamp.....	2	D-543397-A	D-543397-A
28	Hooklatch Assembly ²	1	H-882172-1	H-882172-1
29	Hooklatch Spring ²	1	D-109776-A	D-109776-A
30	Hooklatch Lever Assembly ²	1	D-16362-A	D-16362-A
31	Push Button, Plunger ²	1	D-67429-A	D-67429-A
32	Screw, Buffer ²	1	D-760717-A	D760717-A

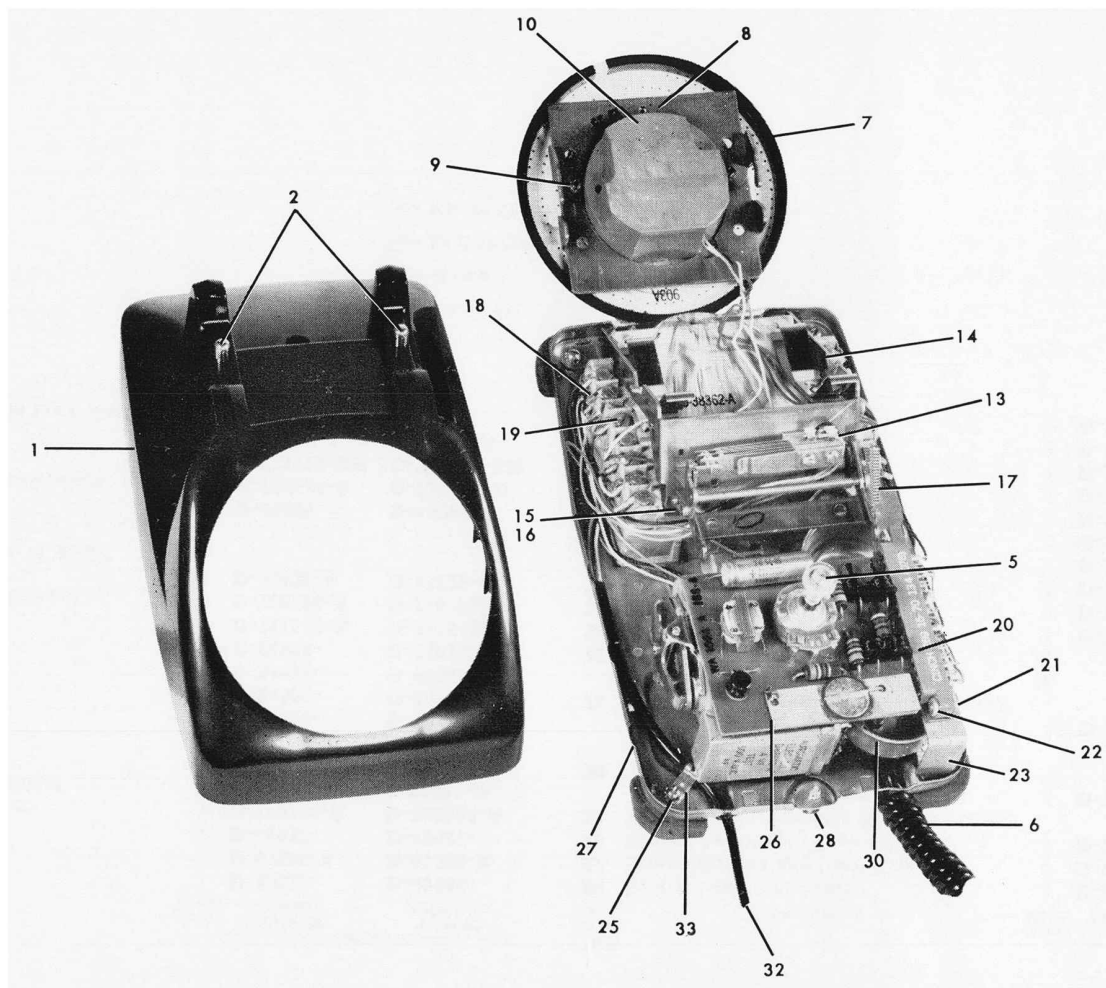
NOTES: ¹See Group IV.

²Not shown.

³See Dial Ordering Information, Group II.

⁴See Ringer Ordering Information, Group II.

Type 80T Telephone



Item Num- ber	Description	Amt. Reqd.	Order No.	Item Num- ber	Description	Amt. Reqd.	Order No.
1	Housing ¹	1	D-490019-	18	Transmission Unit:		
2	Plunger.....	2	D-67586-A		Standard.....	1	D-38362-A
3	Cradle Hole Cover ^{1,2}	1	D-49937-		With RC Network.....		D-38368-A
4	Cradle Hole Cover Screw ²	1	D-760904-A	19	Screw, Transmission Unit (5-40x $\frac{1}{4}$ " BDG HIMS).....	16	
5	Volume Control Knob.....	1	D-59299-A	20	Connector.....	1	FD-1004-CK
6	Handset and Cord Assembly ¹	1	L-9031-	21	Screw, Connector Mounting (5-40x $\frac{3}{8}$ " RHIMS)...	2	
7	Dial Only ³ :			22	Nuts, Connector Mounting.....	2	D-77124-D
	Type 52 (1-0).....	1	D-84900-	23	Mounting Bracket.....	1	D-731597-A
	Type 52 (ABC).....		D-84901-	24	Screw, Connector Bracket Assembly ²		
	Type 53A (SATT A).....		D-84915-		(6-32x $\frac{1}{4}$ " RHIMS).....	1	
8	Dial Mounting Bracket.....	1	D-731543-A	25	Screw, Bracket Cord Clamp and Terminal Strip...	6	D-760733-A
9	Dial Mounting Bracket Screws.....	2	D-760730-A	26	Receiver Amplifier (Printed Wire Board).....	1	WA-1024-A
10	Dial Dust Cover.....	1	D-49929-A	27	Base Plate Assembly.....	1	D-780659-F
11	Screw, Dial Dust Cover (4-36x $\frac{9}{16}$ " RHIMS) ²	2		28	Screw, Base Plate.....	3	D-760793-A
12	Dial Hole Cover ^{1,2}	1	D-49995-	29	Rheostat ²	1	D-284068-A
13	Spring Combination, Hookswitch.....	1	D-735355-A	30	Ringer Assembly ⁴ (Type 45 Ringer).....	1	D-56548-
14	Tripod Assembly.....	1	D-731713-BR	31	Screws, Ringer Mounting ² (Furnished with Ringer		
15	Pin Lock.....	1	D-58062-A		Assembly).....	3	D-760735-A
16	Screw, Pin Lock (3-48x $\frac{3}{16}$ " BDG HIMS).....	1		32	Line Cord ¹	1	D-543212-
17	Coil Spring.....	1	D-109780-A	33	Strain Relief Clamp.....	2	D-543397-A
				34	Terminal Strip Assembly ²	1	D-15998-A
				35	Insulator, Terminal Strip ²	1	D-15993-A

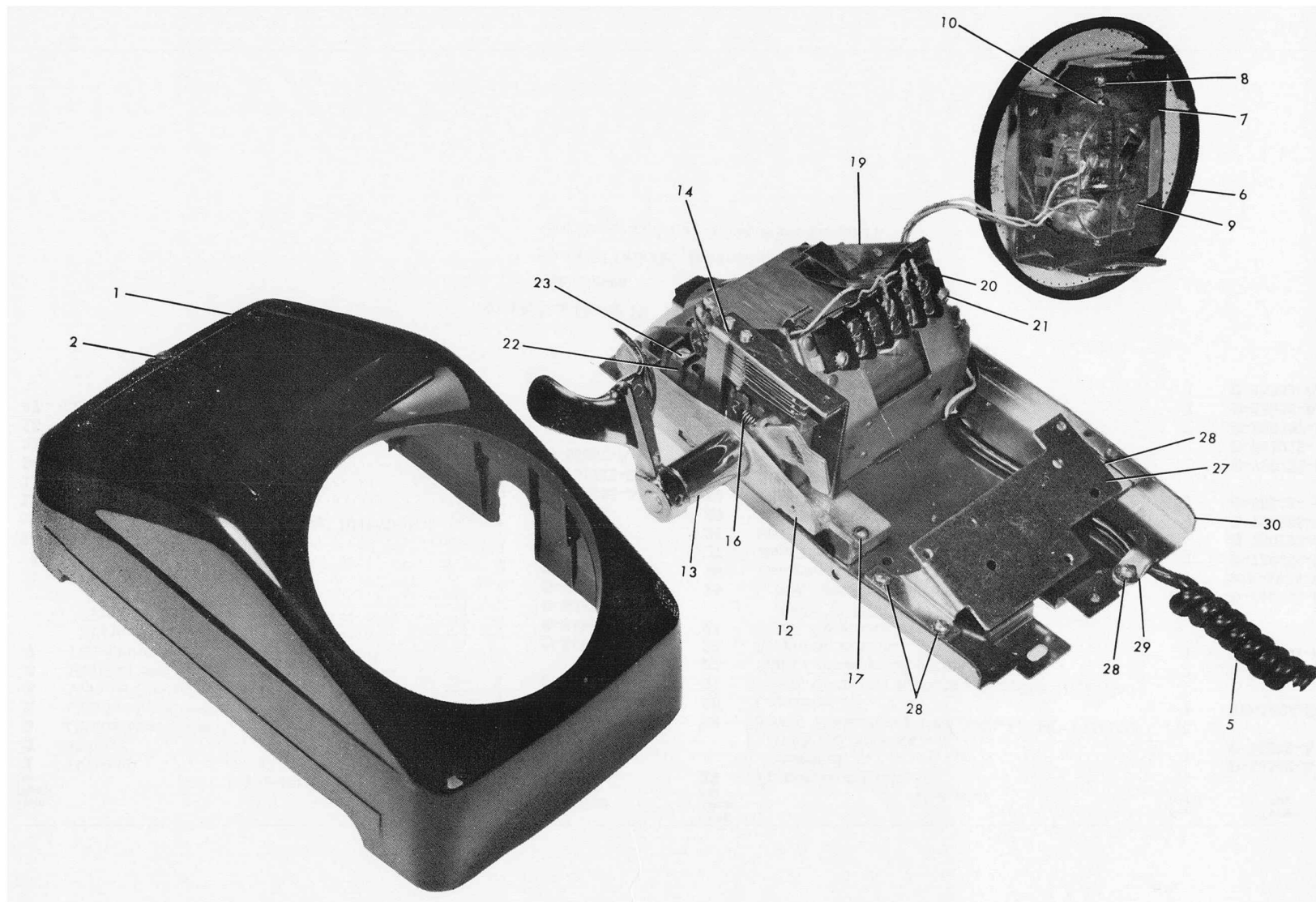
NOTES: ¹See Group IV.

²Not shown.

³See Dial Ordering Information, Group II.

⁴See Ringer Ordering Information, Group II.

Type 90M Telephone



PARTS LIST (Telephone—Paystation)

AUTOMATIC ELECTRIC

Item Num- ber	Description	Amt. Reqd.	ORDER No.	
			Type 90M Man. Comp.	Type 90M Self-Comp.
1	Housing ¹ :			
	Standard 90M Telephones and Telephones			
	Equipped with Hooklatch.....	1	D-49976-	D-49976-
	Telephones Equipped with Grounding			
	Pushbutton.....	1	D-49984-A	D-49984-A
2	Screw, Housing.....	1	D-760773-A	D-760773-A
3	Housing Mounting Bracket ²	1	D-731536-A	D-731536-A
4	Screw, Housing Mounting Bracket ² :			
	Housing without Bushings.....	2	D-76491-C	D-76491-C
	Housing with Bushings (8-32x ⁵ / ₈ "			
	RHIMS).....	2		
5	Handset and Cord Assembly ¹	1	L-9024-	L-9053-
			or	or
			L-9027-	L-9054-
6	Dial ³ (Only):			
	Type 52 (1-0).....	1	D-84900-	D-84900-
	Type 52 (ABC).....		D-84901-	D-84901-
	Type 53A (SATT A).....		D-84915-	D-84915-
	Type 53B (SATT B).....		D-84916-	D-84916-
7	Dial Mounting Bracket.....	1	D-731535-A	D-731535-A
8	Screw, Dial Mounting Bracket.....	2	D-760730-A	D-760730-A
9	Dial Dust Cover.....	1	D-49929-A	D-49929-A
10	Screw, Dial Dust Cover (4-36x ⁹ / ₁₆ "			
	RHIMS).....	2		
11	Dial Hole Cover ^{1,2}	1	D-49995-	D-49995-
12	Hookswitch Spring and Bracket			
	Assembly:			
	Type 90M Standard.....	1	D-735371-A	D-735394-B
	Type 90M Equipped with Hooklatch..	1	D-735371-A	D-735394-D
	Type 90M Equipped with Grounding			
	Pushbutton.....	1	D-735372-A	D-735394-C
13	Switch Hook Assembly.....	1	D-731663-A	D-731663-A

Item Num- ber	Description	Amt. Reqd.	ORDER No.	
			Type 90M Man. Comp.	Type 90M Self-Comp.
14	Spring and Bracket Assembly:			
	Type 90M Standard.....	1	D-735370-A	D-735393-B
	Type 90M Equipped with Hooklatch....	1	D-735370-A	D-735393-B
	Type 90M Equipped with Grounding			
	Pushbutton.....	1	D-735373-A	D-735393-C
15	Screw, Spring and Bracket Assembly ²	2	D-760904-A	D-760941-A
16	Coil Spring.....	1	D-109858-A	D-109780-A
17	Screw, Hookswitch and Bracket			
	Assembly.....	1	D-760734-A	D-760734-A
18	Screw, Hookswitch and Bracket			
	Assembly ²	1	D-760775-A	D-760775-A
19	Tripod Assembly.....	1	D-731666-A	D-731666-A
20	Terminal Strip.....	1	D-150024-A2	D-150024-A2
21	Screw, Terminal Strip Mounting.....	2	D-760734-A	D-760734-A
22	Transmission Unit:			
	Standard.....	1	D-38362-A	D-38385-AR
	With RC Filter.....		D-38371-A	
23	Screw, Transmission Unit (5-40x ¹ / ₄ "			
	BDG HIMs).....	16		
24	Terminal Link ²	1		D-61079-A
25	Ringer Assembly ^{2,4} (Type 45 Ringer).....	1	D-56548-	D-56548-
26	Screw, Ringer ² (Furnished			
	with Item 25).....	2	D-760735-A	D-760735-A
27	Ringer Mounting Bracket.....	1	D-731667-A	D-731667-A
28	Screw, Ringer Mounting Bracket and			
	Cord Clamp.....	5	D-760764-A	D-760764-A
29	Strain Relief Clamp.....	1	D-543397-A	D-543397-A
30	Base Plate Assembly.....	1	D-780762-A	D-780762-A
31	Rheostat ²	1	D-284068-A	
32	Screw, Rheostat ²	2	F-7085-A	
32	Lockwasher ²	2	D-17389-A	
33	Grounding Push Button ²	1	D-735369-A	D-735369-A
34	Hooklatch ²	1	D-58065-A	D-58065-A
35	Screw, Hooklatch ²	1	D-760774-A	D-760774-A

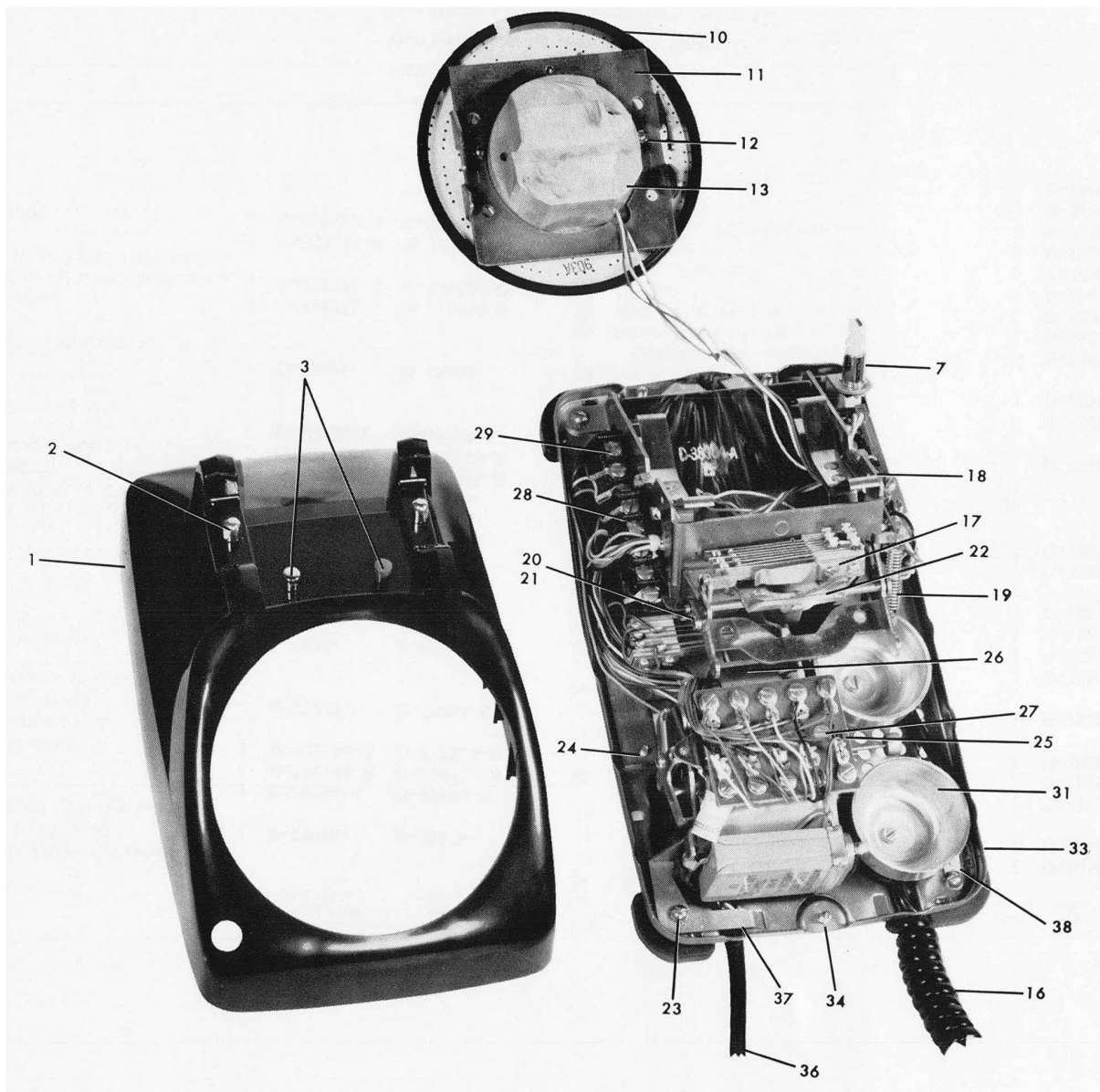
NOTES: ¹See Group IV.

²Not shown.

³See Dial Ordering Information, Group II.

⁴See Ringer Ordering Information, Group II.

Type 85 Telephone



PARTS LIST (Telephone—Paystation) AUTOMATIC ELECTRIC

Item Num- ber	Description	Amt. Reqd.	ORDER NO.	
			Type 85 Man. Comp.	Type 85 Self-Comp.
1	Housing ¹ :			
	Type 85A.....	1	D-49998-#1	D-49998-#1
	Type 85B.....		D-49998-#2	D-49998-#2
	Type 85C.....		D-49998-#3	D-49998-#3
2	Plunger.....	2	D-67586-A	D-67586-A
3	Exclusion Key Plunger:			
	Chrome.....	1	D-67429-A	D-67429-A
	Red.....	1	D-67429-B	D-67429-B
4	Screw, Plunger Buffer ²	2	D-760770-A	D-760770-A
5	Cradle Hole Cover ^{1,2}	1	D-49937-	D-49937-
6	Screw, Cradle Hole Cover ²	1	D-760904-A	D-760904-A
7	Combination Push and Turn Switch Assembly.....	1	H-884622-1	H-884622-1
8	Screw, Push and Turn Switch Assembly ² :			
	Floating Mounting Switch.....	2	D-760768-A	D-760768-A
	Stationary Mounting Switch.....	1	D-760764-A	D-760764-A
9	Screw, Push and Turn Switch Assembly ² (Stationary Switch, Only) Type 85A and 85C.....	1	D-760734-A	D-760734-A
10	Dial ³ :			
	Type 52 (1-0).....	1	D-84900-	D-84900-
	Type 52 (ABC).....		D-84901-	D-84901-
11	Dial Mounting Bracket.....	1	D-731543-A	D-731543-A
12	Screws, Dial Mounting Bracket.....	2	D-760730-A	D-760730-A
13	Dial Dust Cover.....	1	D-49929-A	D-49929-A
14	Screw, Dial Dust Cover ² (4-36x ⁹ / ₁₆ " RHIMS).....	2		
15	Dial Hole Cover ^{1,2}	1	D-49995	D-49995
16	Handset and Cord Assembly ¹	1	L-9024- or L-9027-	L-9053- or L-9054-
17	Spring Combination, Hookswitch....	1	D-735355-A	D-735355-D

Item Num- ber	Description	Amt. Reqd.	ORDER NO.	
			Type 85 Man. Comp.	Type 85 Self-Comp.
18	Tripod Assembly.....	1	D-731713-BR	D-731713-BR
19	Coil Spring.....	1	D-109780-A	D-109780-A
20	Pin Lock.....	1	D-58062-A	D-58062-A
21	Screw, Pin Lock (3-48x ³ / ₁₆ " BDG HIMS).....	1		
22	Exclusion Key Assembly:			
	Type 85B.....	1	D-735350-A	D-735350-A
	Type 85C.....	1	D-735354-A	D-735354-A
23	Screw, Bracket and Cord Clamp.....	4	D-760733-A	D-760733-A
24	Screw, Clamp and Bracket (6-32x ¹ / ₄ " RHIMS):			
	Type 85A and 85C.....	2		
	Type 85B.....	3		
25	Terminal Strip.....	1	D-150054-A	D-150054-A
26	Terminal Strip Mounting Bracket....	1	D-731578-A	D-731578-A
27	Screw, Terminal Strip Mounting (5-40x ¹ / ₄ " FHIMS).....	2		
28	Transmission Unit.....	1	D-38368-A	D-38368-A
29	Screw, Transmission Unit (5-40x ¹ / ₄ " BDG HIMS).....	16		
30	Terminal Link ²	1		D-61079-A
31	Ringer ⁴ (Type 45 Ringer).....	1	D-56548-	D-56548-
32	Screw, Ringer Mounting ² (Furnished with Ringer).....	3	D-760735-A	D-760735-A
33	Base Assembly:			
	Type 85A.....	1	D-780659-E	D-780659-J
	Type 85B.....		D-780659-A	D-780659-G
	Type 85C.....		D-780659-E	D-780659-J
34	Screw, Base Plate.....	3	D-760793-A	D-760793-A
35	Rheostat ²	1	D-284068-A	
36	Line Cord ¹	1	D-543367-	D-543367-
37	Cable Clamp, Line Cord.....	1	D-731586-A	D-731586-A
38	Strain Relief Clamp.....	1	D-543397-A	D-543397-A

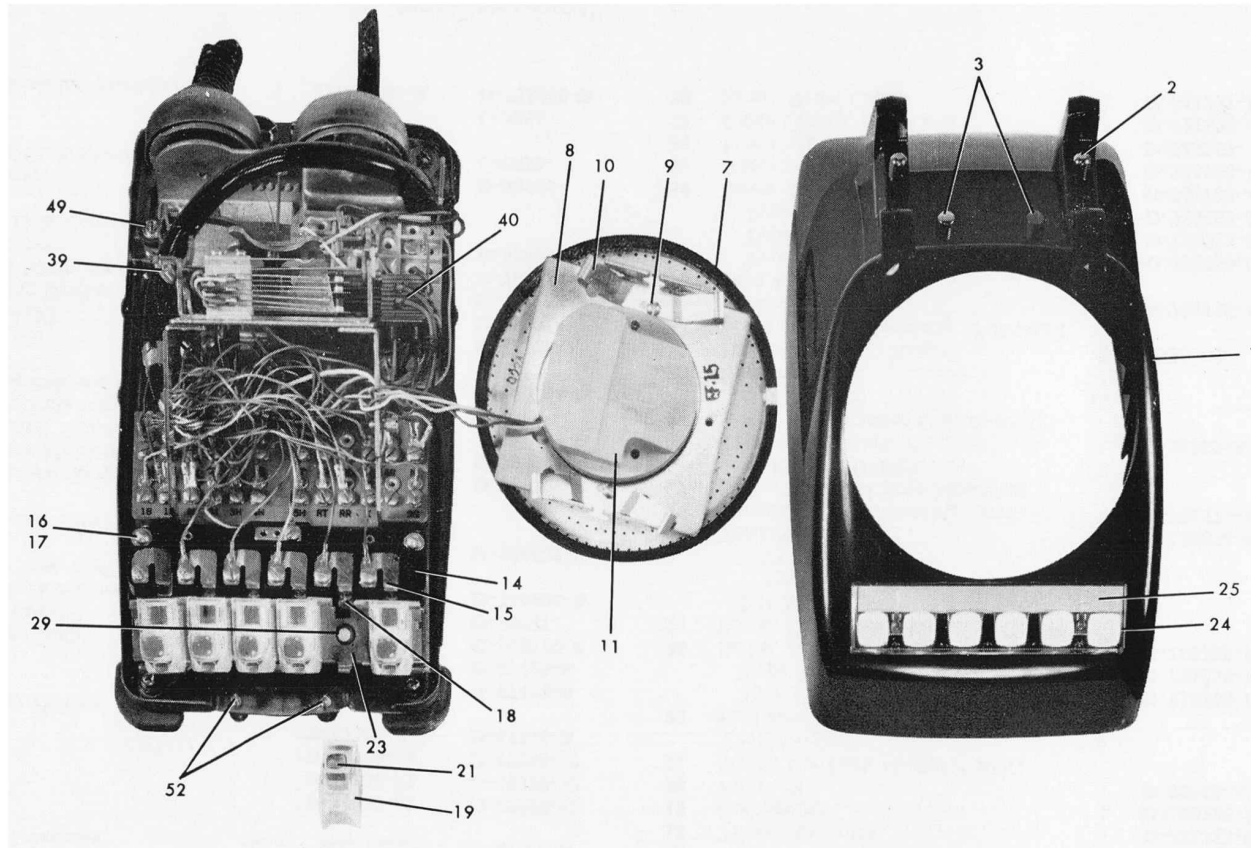
NOTES: ¹See Group IV.

²Not shown.

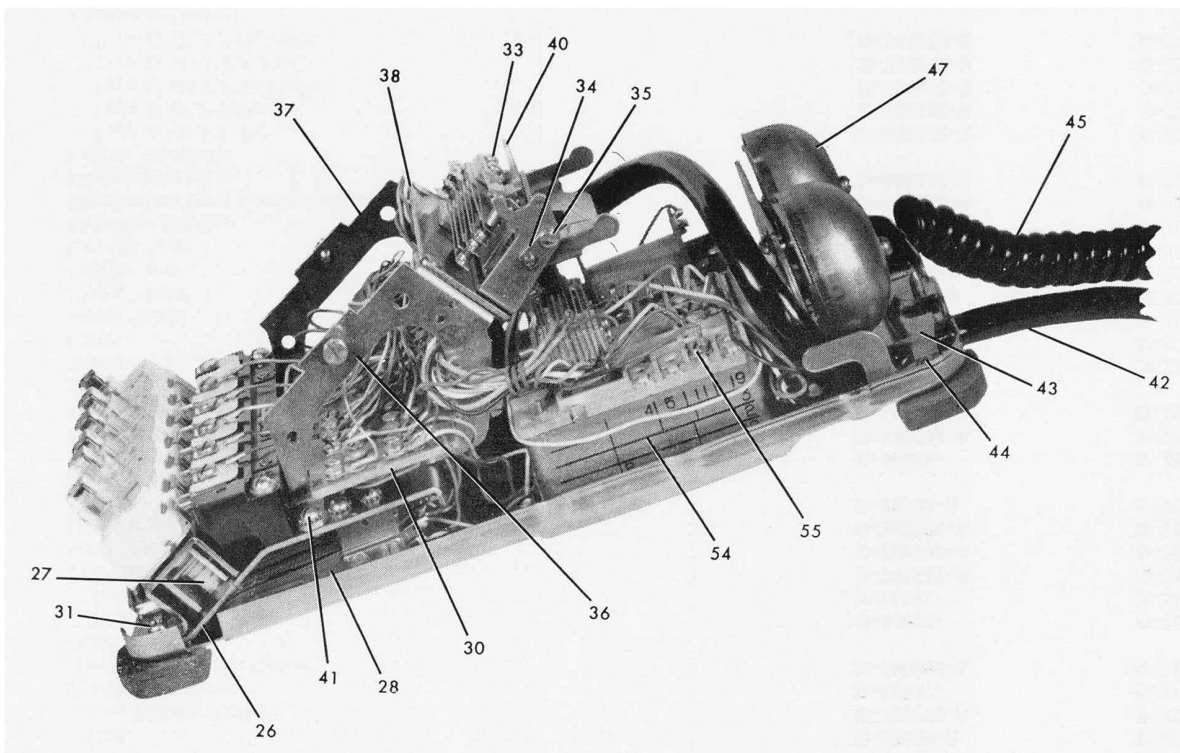
³See Dial Ordering Information, Group II.

⁴See Ringer Ordering Information, Group II.

Type 86 Telephone



AUTOMATIC ELECTRIC PARTS LIST (Telephone – Paystation)



Type 86 Telephone

Item Num- ber	Description	Amt. Reqd.	ORDER NO.	
			Type 86 Man. Comp.	Type 86 Self-Comp.
1	Housing ¹			
	With Exclusion Key.....	1	D-490032-	D-490032-
	Without Exclusion Key.....		D-490039-	D-490039-
2	Plunger.....	2	D-67586-A	D-67586-A
3	Exclusion Key:			
	Chrome.....	1	D-67429-A	D-67429-A
	Red.....	1	D-67429-B	D-67429-B
4	Screw, Plunger Buffer ²	2	D-760770-A	D-760770-A
5	Cradle Hole Cover ^{1,2}	1	D-49937-	D-49937-
6	Screw, Cradle Hole Cover ²	1	D-760904-A	D-760904-A
7	Dial ³ :			
	Type 52 (1-0).....	1	D-84900-	D-84900-
	Type 52 (ABC).....		D-84901-	D-84901-
8	Dial Mounting Bracket.....	1	D-731641-A	D-731641-A
9	Screw, Dial Mounting Bracket.....	2	D-760730-A	D-760730-A
10	Dial Mounting Spring.....	2	D-109830-A	D-109830-A
11	Dial Dust Cover.....	1	D-49929-A	D-49929-A
12	Screw, Dial Dust Cover ² (4-36x ⁹ / ₁₆ " RHIMS).....	2		
13	Dial Hole Cover ^{1,2}	1	D-49995-	D-49995-
14	Lamp Base Assembly.....	1	D-780714-A	D-780714-A
15	Terminal.....	6	D-150041-A	D-150041-A
16	Screw, Lamp Base Assembly (6-40x ³ / ₄ " RHIMS).....	2		
17	Washer, Lamp Base Assembly.....	2	D-1724-A	D-1724-A
18	Lamp.....	3,4,5,6	D-94085-A	D-94085-A
19	Lamp Shield.....	4,6	D-18182-A	D-18182-A
20	Plug Button ²	2	D-57149-A	D-57149-A
21	Pushbutton.....	4,5,6	D-59291-A	D-59291-A
22	Cut Off Key ²	2	D-59292-A	D-59292-A
23	Retaining Bracket.....	1	D-731639-A	D-731639-A
24	Designation Strip Cover Assembly.....	1	D-490038-A	D-490038-A
25	Designation Strip.....	1	D-530236-A	D-530236-A
26	Switch Assembly:			
	Type A (H,P,P,Ps).....		D-735362-A	D-735362-A
	Type B (P,P,P,Ps).....		D-735362-B	D-735362-B
	Type C (H,P,P,Ps,Ps,Ps).....	1	D-735362-C	D-735362-C
	Type D (H,P,P,P,Ps,C).....		D-735362-D	D-735362-D
	Type E (P,P,P,Ps,Ps,Ps).....		D-735362-E	D-735362-E
27	Expansion Spring:			
	Hold Button.....	1	D-109799-A	D-109799-A
	Pickup Button.....	3,4,5,6	D-109800-A	D-109800-A
28	Spring Assembly:			
	Hold Button.....	1	D-735360-A	D-735360-A
	Pickup Button.....	3,4,5,6	D-735361-A	D-735361-A
	Cut Off.....	1	D-735357-A	D-735357-A
29	Plunger Assembly:			
	Hold.....	1	D-67621-A	D-67621-A
	Pickup.....	2,3	D-67622-A	D-67622-A
	Pickup or Signal.....	1,3	D-67623-A	D-67623-A

30	Terminal Strip:				
	Type D (Item 26).....	1	D-150067-A	D-150067-A	
	Type A & C (Item 26).....		D-150067-B	D-150067-B	
	Type B (Item 26).....		D-150067-C	D-150067-C	
31	Screw, Switch Assembly.....	2	D-760831-A	D-760831-A	
32	Bushing ²	1,2,3,4	D-750247-A	D-750247-A	
33	Spring Combination, Hookswitch.....	1	D-735355-C	D-735355-D	
34	Pinlock.....	1	D-58062-A	D-58062-A	
35	Screw, Pinlock (3-48x $\frac{3}{16}$ " BDG HIMS).....	1			
36	Hookswitch Bracket (Right).....	1	D-731633-A	D-731633-A	
37	Hookswitch Bracket (Left).....	1	D-731634-A	D-731634-A	
38	Hookswitch Bracket (Center).....	1	D-731638-A	D-731638-A	
39	Coil Spring.....	1	D-109780-A	D-109780-A	
40	Exclusion Key Assembly.....	1	D-735359-A	D-735359-A	
41	Screw, Hookswitch Assembly.....	2	D-760764-A	D-760764-A	
42	Line Cord ¹ :				
	For Use with Junction Box.....	1	D-543366-	D-543366-	
	For Use with Connecting Blocks.....	1	D-543368-	D-543368-	
43	Line Cord Holder.....	1	D-543149-A	D-543149-A	
44	Screw, Line Cord Holder.....	2	D-760733-A	D-760733-A	
45	Handset and Cord Assembly ¹	1	L-9024-	L-9053-	
			or	or	
			L-9027-	L-9054-	
46	Strain Relief Clamp ²	1	D-543397-A	D-543397-A	
47	Ringer Assembly ¹ (Leich Code 42).....	1	D-56560-ASLR	D-56560-ASLR	
	Buzzer (Optional ²):				
	14-40 VDC.....	1	D-56565-C	D-56565-C	
	15-21 VAC.....				
48	Rubber Grommet ² (Buzzer Mtg.).....	1	D-67431-A12	D-67431-A12	
49	Screw, Ringer Mounting (Furnished with Ringer)	2	D-760866-A	D-760866-A	
50	Rubber Grommet ² (Buzzer Mtg. Bracket).....	2	D-67431-A11	D-67431-A11	
51	Screw, Buzzer Mounting Bracket ²	2	D-760818-A	D-760818-A	
52	Screw, Base Plate.....	3	D-760793-A	D-760793-A	
53	Rheostat ²	1	D-284068-A		
54	Transmission Unit.....	1	D-38369-A	D-38383-A	
55	Screw, Transmission Unit.....	8	D-760919-A	D-760919-A	
56	Terminal Link, Transmission Unit ²	1		D-61079-A	

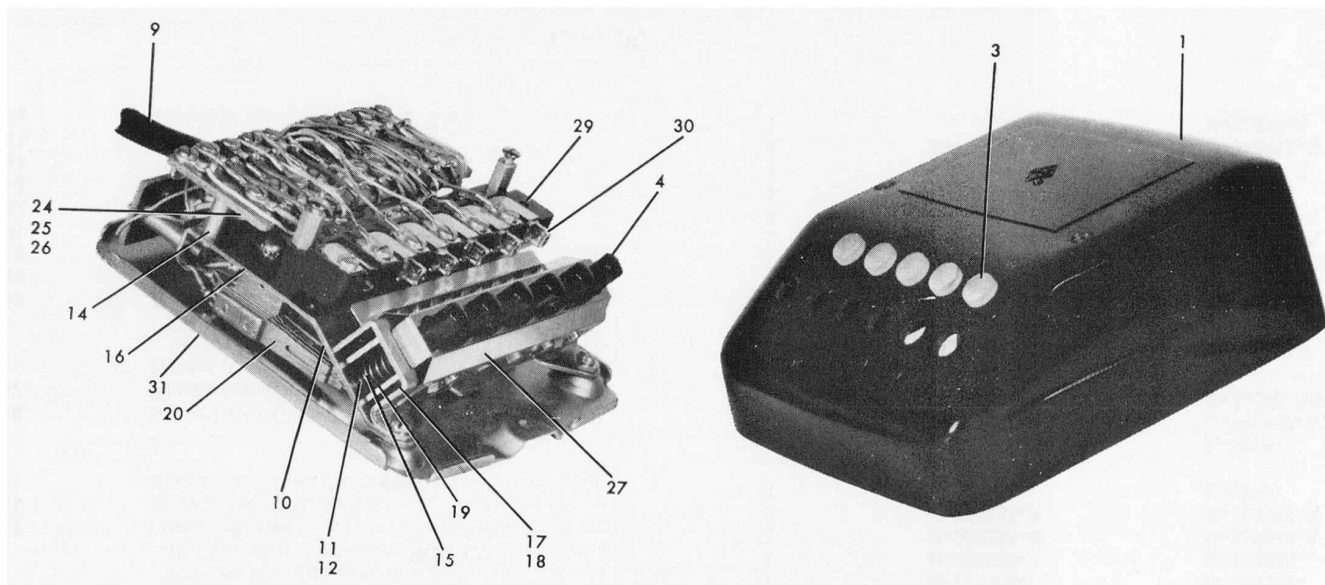
NOTES: ¹See Group IV.

²Not shown.

³See Dial Ordering Information, Group IV.

⁴See Ringer Ordering Information, Group IV.

Type 86A Key Telephone Adapter



Item Number	Description	Amt. Reqd.	Order No.	Item Number	Description	Amt. Reqd.	Order No.
1	Housing ¹	1	D-49987-	16	Mounting Bracket.....	1	D-731560-A
2	Lamp Shield ²	3,4,5,6	D-18191-A	17	Plunger Bracket Assembly (All Models except That with Cut-Off Key).....	1	D-731637-A
3	Lamp Cap.....	3,4,5,6	D-67451-A	18	Plunger Bracket Assembly (Model with Cut-Off Key)	1	D-731562-A
4	Pushbutton:			19	Ladder Assembly:		
	Black Models.....	4,5,6	D-59280-A		4-Button Model—L-7030-AO.....	1	D-735342-C
	Colored Models.....	5,6	D-59330-A		L-7030-BO.....	1	D-735342-B
5	Designation Strip ² :				6-Button Model—L-7030-C ³ & D ³	1	D-735342-A
	4-Button Models.....	1	D-530197-A		L-7030-E ³	1	D-735342-B
	6-Button Models.....	1	D-530197-A	20	Spring Assembly:		
6	Designation Strip Cover ² :				Hold Key.....	1	D-735360-A
	4-Button Models.....	1	D-49991-A		Pickup Key.....	3,4,5	D-735361-A
	6-Button Models.....	1	D-49991-A		Cut-Off Key.....	1	D-735357-A
7	Turn Button (Cut-Off Key) ²	1	D-59279-A	21	Locking Plate ²	3,4,5	D-780711-A
8	Bushing ²	2	D-750247-A	22	Bushing (All Models) ²	2	D-750248-A
9	Cord Assembly:			23	Bushing (6-Button Models Only) ²	2	D-750250-A
	6-Button Models (Black).....	1	D-543108-A	24	Terminal Strip Assembly:		
	6-Button Models (Color) ⁴	1	D-543366-		4-Button Model—L-7030-AO.....	1	D-150044-A
10	Switch Assembly:				6-Button Model—L-7030-C ³ & D ³		
	4-Button Model—L-7030-AO.....	1	D-735343-A	25	Terminal Strip Assembly:		
	L-7030-BO.....	1	D-735343-B		4-Button Model—L-7030-BO.....	1	D-150044-B
	6-Button Model—L-7030-C ³	1	D-735343-D		6-Button Model—L-7030-E ³		
	L-7030-D ³	1	D-735343-E	26	Terminal Strip Assembly:		
	L-7030-E ³	1	D-735343-F		6-Button Model Only—L-7030-C.....	1	D-150046-B
11	Expansion Spring (Hold Button).....	1	D-109799-A		L-7030-D.....	1	D-150046-A
12	Expansion Spring (Pickup Button).....	3,4,5,6	D-109800-A		L-7030-E.....	1	D-150046-C
13	Coil Spring ²	1	D-109802-A	27	Retaining Bracket.....	1	D-731564-A
14	Stud.....	1	D-19381-A	28	Cord Clamp ²	1	D-731563-A
15	Plunger Assembly:			29	Lamp Base Assembly.....	1	D-780714-A
	Hold Button.....	1	D-67453-A	30	Lamp.....	3,4,5,6	D-94085-A
	Pickup Button.....	2 or 3	D-67454-A	31	Base Plate Assembly.....	1	D-780716-A
	Pickup or Signal Button.....	1 or 3	D-67456-A				

NOTES: ¹The housing piece number (D-49987-) must be followed by two suffixes; a service suffix and a color suffix (except on 4-button units stamped L-7030-AO and L-7030-BO which use housing numbers D-49987-D and D-49987-C, respectively, and are available in black only).

The service suffixes for the other units are:

C—1 hold key, 2 pickup keys and 3 pickup keys convertible to signal.

D—1 hold key, 3 pickup keys, 1 pickup key convertible to signal, and 1 cut-off key (turn button).

E—3 pickup keys, and 3 pickup keys convertible to signal.

The color suffixes for housings and cords are:

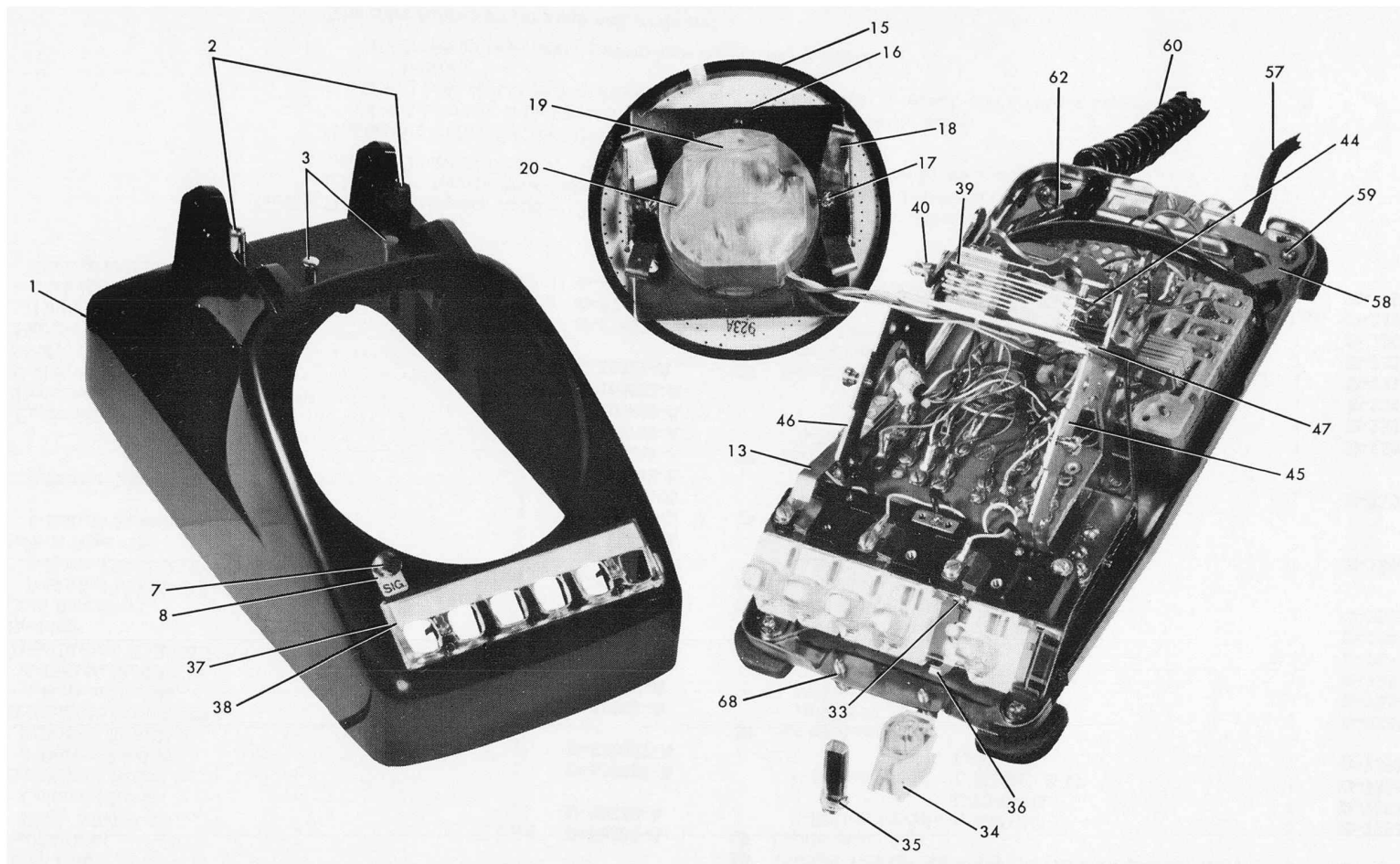
A—Black	D—Jade Green
B—Sand Beige	G—Turquoise
C—Dawn Gray	M—Gardenia White

²Not shown.

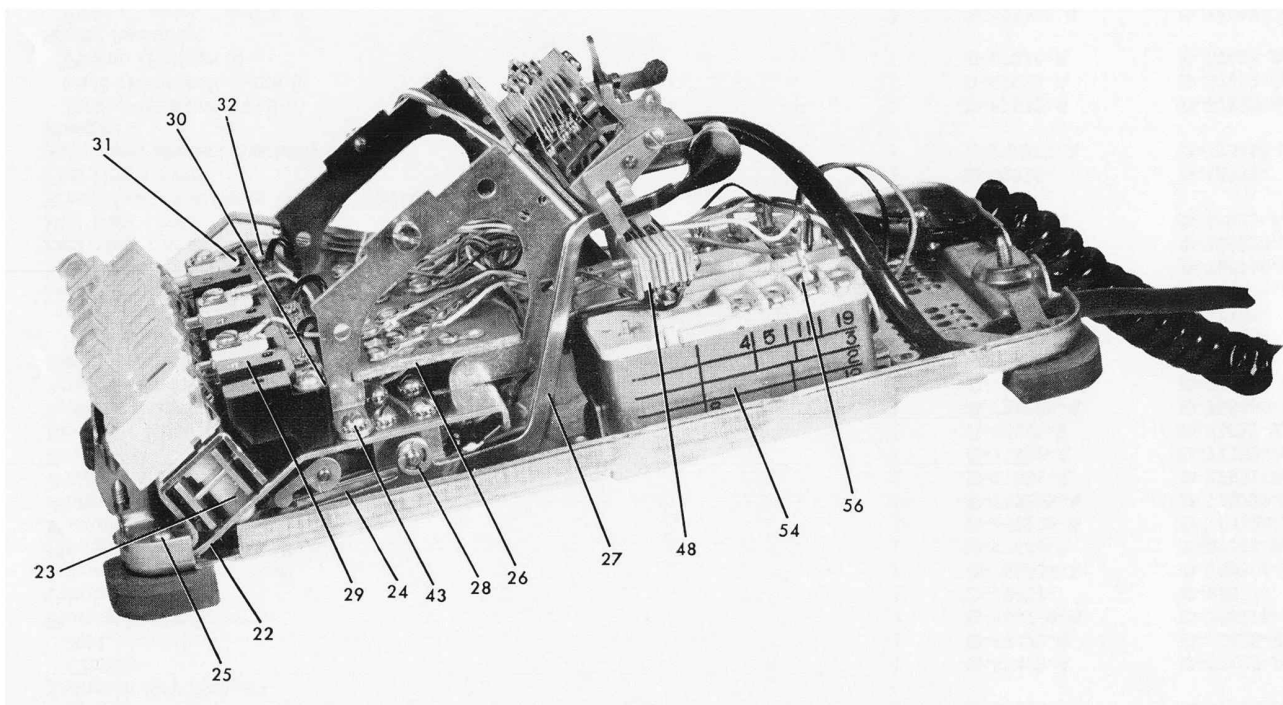
³See service suffix explanation in Note¹.

⁴See Group IV.

Type 87 Telephone



AUTOMATIC ELECTRIC PARTS LIST (Telephone—Pay station)



Type 87 Telephone

Item Num- ber	Description	Amt. Reqd.	ORDER NO.	
			Type 87 Man. Comp.	Type 87 Self Comp.
1	Housing ¹ :			
	With Exclusion Key.....			
	Without Exclusion Key.....	1	D-490064- D-490072-	D-490064- D-490072-
2	Hookswitch Plunger:			
	Chrome.....	1	D-67586-A	D-67586-A
	Black.....	1	D-67636-A	D-67636-A
3	Exclusion Key Plunger:			
	Chrome.....	1	D-67429-A	D-67429-A
	Red.....	1	D-67429-B	D-67429-B
4	Plunger Buffer Screw ²	2	D-760770-A	D-760770-A
5	Cradle Hole Cover ^{1,2}	1	D-49937-	D-49937-
6	Screw, Cradle Hole Cover ²	1	D-760904-A	D-760904-A
7	Plunger (Signaling Push Button).....	1	D-67444-A	D-67444-A
8	Escutcheon.....	1	D-550125-A	D-550125-A
9	Plunger Bushing ²	1	D-750229-A	D-750229-A
10	Washer ²	1	D-17631-A	D-17631-A
11	Brass Nut ²	1	D-77398-A	D-77398-A
12	Retaining Ring ²	1	D-65511-E	D-65511-E
13	Switch Assembly (Signal).....	1	D-735386-A	D-735386-A
14	Screw, Switch Assembly, Mounting ²	2	D-760858-A	D-760858-A
15	Dial ³ :			
	Type 52 (1-0).....			
	Type 52 (ABC).....	1	D-84900- D-84901-	D-84900- D-84901-
16	Dial Mounting Bracket.....	1	D-731641-A	D-731641-A
17	Screw, Dial Mounting Bracket.....	2	D-760730-A	D-760730-A
18	Dial Mounting Spring.....	2	D-109830-A	D-109830-A
19	Dial Dust Cover.....	1	D-49929-A	D-49929-A
20	Screw, Dial Dust Cover (4-36x $\frac{9}{16}$ " RHIMS).....	2		
21	Dial Hole Cover ^{1,2}	1	D-49995-	D-49995-
22	Spring and Bracket Assembly.....	1	D-735387-A	D-735494-A
23	Plunger:			
	Pickup (Position 1 and 5).....	2	D-67632-A	D-67632-A
	Hold (Position 2, 4 and 6).....	3	D-67633-A	D-67633-A
	Pickup (Position 3).....	1	D-67634-A	D-67634-A
24	Spring Assembly:			
	Hold (Position 2 and 4).....	2	D-735384-A	D-735384-A
	Hold (Position 6).....	1	D-735385-A	D-735385-A
	Pickup.....	3	D-735383-A	D-735402-A
25	Screw, Spring and Bracket Assembly.....	4	D-760831-A	D-760831-A
26	Terminal Strip Assembly.....	1	D-150271-A	D-150271-A
27	Release Lever.....	1	D-16379-A	D-16379-A
28	Retaining Ring.....	1	D-65511-F	D-65511-F
29	Lamp Base Assembly.....	1	D-780793-A	D-780793-A
30	Washer, Lamp Base Assembly.....	2	D-1724-A	D-1724-A
31	Terminal.....	3	D-150041-A	D-150041-A
32	Screw, Lamp Base Assembly Mounting (6-40x $\frac{3}{4}$ " RHIMS).....	2		
33	Lamp.....	3	D-94093-A	D-94093-A

34	Lamp Shield.....	6	D-18182-A	D-18182-A
35	Push Button.....	6	D-59291-A	D-59291-A
36	Retaining Bracket.....	1	D-731639-A	D-731639-A
37	Designation Strip Cover Assembly.....	1	D-490038-A	D-490038-A
38	Designation Strip.....	1	D-530236-A	D-530236-A
39	Spring Combination, Hookswitch.....	1	D-735355-A	D-735355-D
40	Coil Spring.....	1	D-109780-A	D-109780-A
41	Pin Lock ²	1	D-58073-A	D-58073-A
42	Screw, Pin Lock ² (3-48x $\frac{3}{16}$ " BDG HIMS).....	1		
43	Screw, Hookswitch.....	2	D-760764-A	D-760764-A
44	Bearing Pin.....	1	D-37592-A	D-37592-A
45	Bracket, Hookswitch (Right).....	1	D-731633-A	D-731633-A
46	Bracket, Hookswitch (Left).....	1	D-731634-A	D-731634-A
47	Bracket, Hookswitch (Center).....	1	D-731638-A	D-731638-A
48	Exclusion Key Assembly.....	1	D-735380-A	D-735380-A
49	Rectifier ²	1	D-35216-A	
50	Rectifier Mounting Bracket ²	1	D-731718-A	
51	Ringer Assembly ^{2,4} (Leich Code 40 and 42 Ringer).....	1	D-56560-ASLR	D-56560-ASLR
52	Screw, Ringer Assembly Mounting ^{2,4} (Furnished with Ringer Assembly).....	2	D-760866-A	D-760866-A
53	Rheostat ²	1	D-284068-A	
54	Transmission Unit.....	1	D-38369-A	D-38383-A
55	Terminal Link, Transmission Unit ²	1		D-61079-A
56	Screw, Transmission Unit.....	8	D-760919-A	D-760919-A
57	Line Cord ¹	1	D-543367-	D-543367-
58	Line Cord Clamp.....	1	D-543268-A	D-543268-A
59	Screw, Line Cord Clamp.....	2	D-760733-A	D-760733-A
60	Handset and Cord Assembly ¹	1	L-9024-	L-9053-
			or	or
			L-9027-	L-9054-
61	Cord Holder ²	1	D-15671-A	D-15671-A
62	Strain Relief Clamp.....	1	D-543397-A	D-543397-A
63	Connecting Block ²	1	D-150142-A	D-150142-A
64	Backboard ²	1	D-470201-C	D-470201-C
65	Cover Connecting Block ²	1	D-490084-C	D-490084-C
66	Common Audible Signal Unit ²	1	D-56585-A	D-56585-A
67	Grommet, Common Audible Signal Unit ²	1	D-67431-A12	D-67431-A12
68	Screw, Base Plate.....	3	D-760793-A	D-760793-A

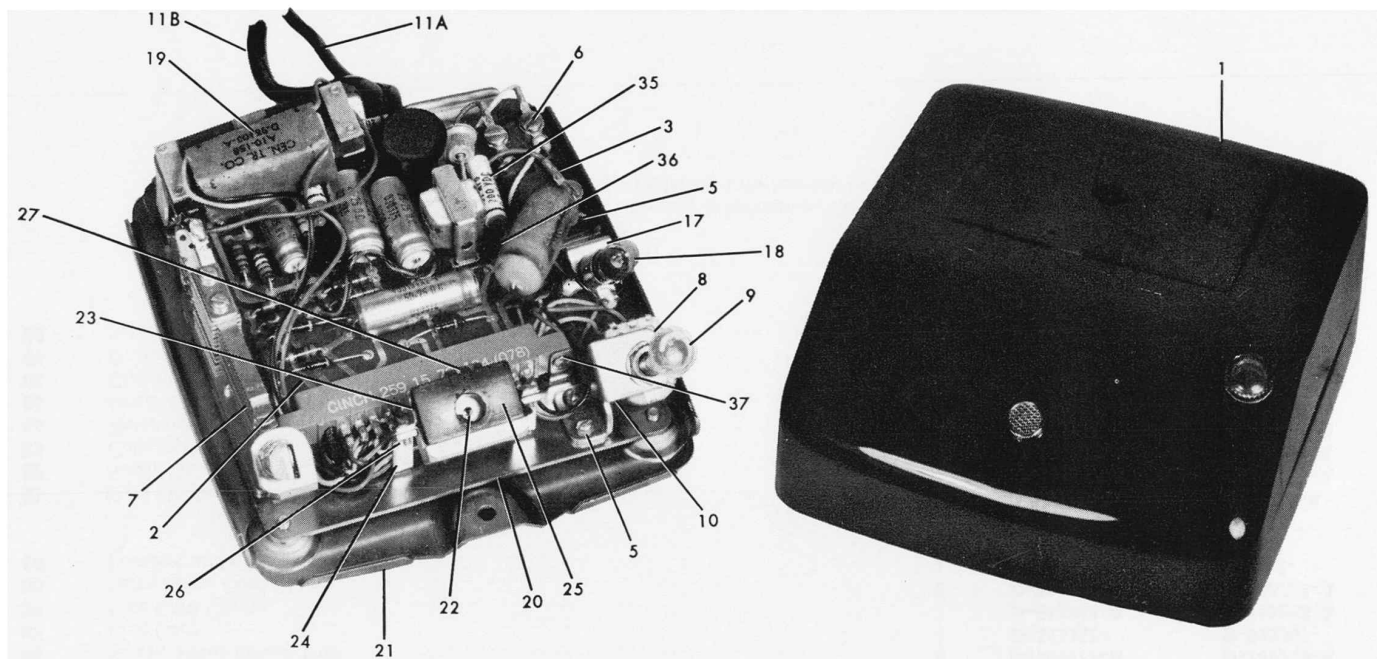
NOTES: ¹See Group IV.

²Not shown.

³See Dial Ordering Information, Group II.

⁴See Ringer Ordering Information, Group II.

Type 88AT Adapter Unit—Loud Speaking Telephone Conversion Set



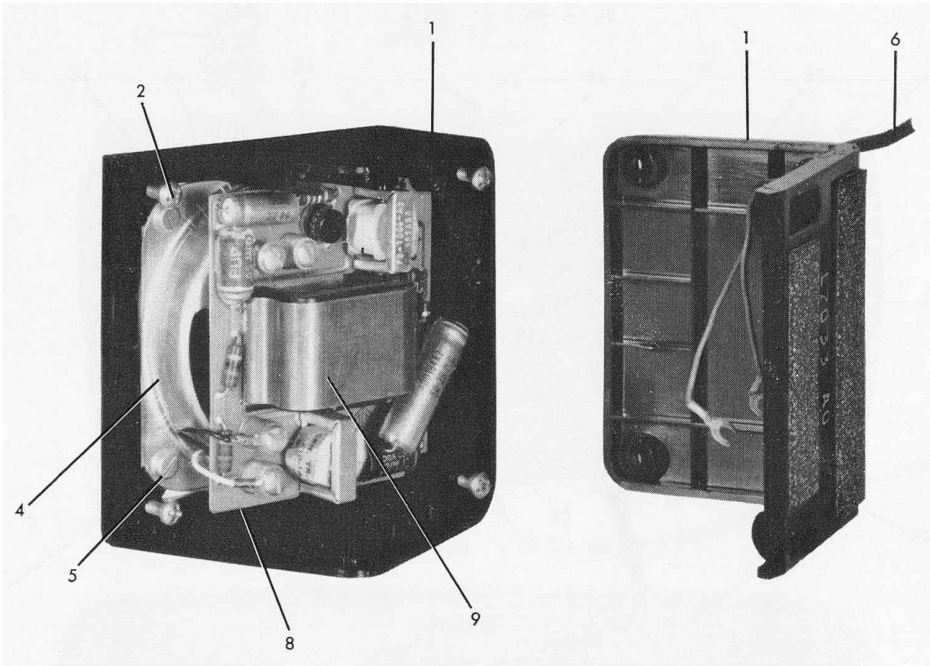
No.	Description	Amt. Reqd.	Order No.
1	Housing Assembly ¹	1	D-490049-
2	Printed Wire Board Assembly.....	1	WA-1037-A
3	Terminal Strip.....	2	D-150121-A
4	Insulator ²	1	D-440333-A
5	Screw, Terminal Strip Mtg. & Vol. Control Mtg. Bracket (4-10 x 1/4" RHIMS).....	4	
6	Screw, Terminal Strip.....	3	D-760919-A
7	Key Assembly.....	1	D-735438-AR
8	Potentiometer.....	1	D-284299-B
9	Clear Plastic Vol. Control Knob.....	1	D-59299-A
10	Vol. Control Mtg. Bracket.....	1	D-731656-A
11A	Line Cord (6 Conductor): Suffix A for Black.....	1	D-543286-
	Suffix B for Gray.....		

No.	Description	Amt. Reqd.	Order No.
11B	Line Cord (8 Conductor): Suffix A for Black.....	1	D-543287-
	Suffix B for Gray.....		
12	Cord Clamp ²	1	D-731490-A
13	Screw, Cord Clamp ² (6-32 x 1/4" RHIMS).....	1	
14	Spacer ²	1	D-65528-A
15	Scr. ² (6-32 x 3/16" RHIMS), Transformer Mtg.....	2	
16	Nut ² (6-32), Transformer Mtg.....	2	D-7756-A
17	Lamp Socket Assembly.....	1	D-94088-A
18	Lamp.....	1	FD-1023-AD
19	Transformer Assembly.....	1	D-95103-A
20	Sub-Base Assembly.....	1	D-780754-A
21	Base Plate Assembly.....	1	D-780716-A
22	Microphone.....	1	D-38372-A
23	Upper Microphone Mtg. Bracket.....	1	D-731520-A

No.	Description	Amt. Reqd.	Order No.
24	Lower Microphone Mtg. Bracket.....	1	D-731521-A
25	Microphone Cushion.....	1	D-67443-A
26	Microphone Bracket Screw (3-48 x 3/16" RHIMS).....	2	
27	Resistor (12 1/2 W).....	1	D-284080-B27
28	Base Plate Screw ²	2	D-760793-A
29	Speaker Assembly ²	1	L-7033-
30	Varistor Assembly ²	1	D-67625-A
31	Lower Varistor Insulator ²	1	D-440331-A
32	Upper Varistor Insulator ²	1	D-44356-A
33	Varistor Assbly. Mtg. Scr. ² (4-40 x 1/4" FHIMS).....	2	
34	Washer ²	1	D-17060-A
35	Capacitor (1MF-200V).....	1	D-68744-BN
36	Capacitor Sleeveing.....	1"	D-542410-A
37	Connector.....	1	FD-1004-CK
38	Sleeving ²	1	D-542410-D
39	Circuit Label ²	1	D-530251-A

NOTES: ¹See Group IV.
²Not shown.

Types 88T and 88AT Speaker Assembly

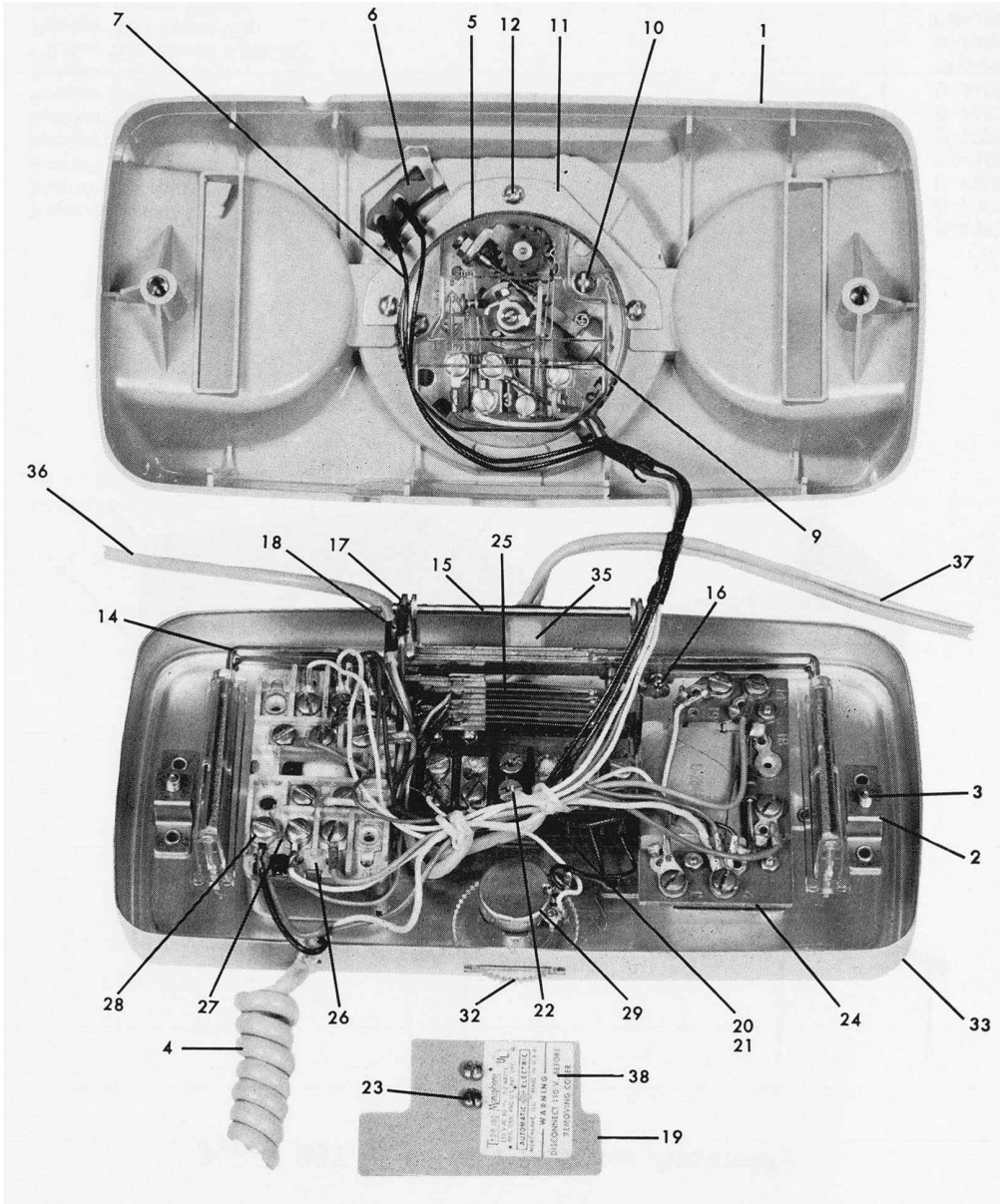


Item Num- ber	Description	Amt. Reqd.	Order No.
1	Front and Rear Cover Assembly ¹	1	D-49973-
2	Mounting Screw.....	4	D-760783-A
3	Screen ²	1	D-18188-A
4	Speaker.....	1	FD-1054-AC
5	Speaker Mounting Screw.....	4	D-760788-A
6	Speaker Cord ¹	1	D-543215-
7	Insulator ²	1	D-440350-A
8	Printed Wire Board Assembly.....	1	WA-1038-A
9	Printed Wire Board Clip.....	1	D-731657-A
10	Bushing (Strain Relief) ²	1	FD-1025-AJ

NOTES: ¹See Group IV.
²Not shown.

PARTS LIST (Telephone—Paystation) *AUTOMATIC ELECTRIC*

Type 182 Starlite[®] Telephone



Item Num- ber	Description	Amt. Reqd.	Order No.
1	Housing ¹	1	D-490096-
2	Housing Mounting Bracket	2	D-731783-A
3	Screw, Housing	2	D-760793-A
4	Handset and Cord Assembly ¹	1	L-9050-
5	Dial Assembly ² :		
	Type 54 (1-0)	1	D-84942-A
	Type 54 (ABC)		D-84935-A
	Type 54A (SATT A)		D-84936-A
	Type 54B (SATT B)		D-84937-A
6	Electroluminescent Lamp	1	D-94101-A
7	One Conductor Cord Assembly (Lamp)	2	D-543350-A
8	Insulator, Lamp ²	1	D-440370-A
9	Dial Dust Cover	1	D-49929-A
10	Screw, Dial Dust Cover Mounting, If Required (4-36x $\frac{9}{16}$ " RHIMS)	2	
11	Dial Mounting Bracket	1	D-731788-A
12	Screw, Dial Mounting Bracket	2	D-760730-A
13	Dial Hole Cover ²	1	D-490123-A
14	Lever Assembly	1	D-16391-A
15	Bearing Pin	1	D-37696-A
16	Coil Spring	1	D-109914-A
17	Cord and Bearing Pin Holder	1	D-543321-A

Item Num- ber	Description	Amt. Reqd.	Order No.
18	Screw, Cord and Bearing Pin Holder (4-40x $\frac{1}{8}$ " BDG HIMS)	1	
19	Insulator Shield, Terminal Strip	1	D-440378-A
20	Terminal Strip Assembly	1	D-150191-A
21	Terminal Strip Insulator	1	D-440323-A
22	Screw, Terminal Strip Mounting	2	D-760813-A
23	Screw, Insulating Shield Mounting	2	D-760729-A
24	Induction Coil	1	D-284473-A
25	Spring and Bracket Assembly	1	D-735388-A
26	Transmission Unit	1	D-38382-A
27	Terminal Link, Transmission Unit	1	D-61079-A
28	Screw, Terminal Strip and Transmission Unit	17	D-760919-A
29	Rheostat	1	D-284464-A
30	Lock Washer, Rheostat ²	1	D-17374-A
31	Nut, Rheostat ²	1	D-77106-A
32	Knob, Rheostat	1	D-59318-A
33	Base Plate	1	D-780817-A
34	Cushion, Base Plate ²	1	D-67644-A
35	Strain Relief Bushing	1	FD-1025-AJ
36	Line Cord ¹	1	D-543212-
37	Cord and Plug Assembly ¹	1	D-543144-
38	Label, "Warning"	1	D-530296-A

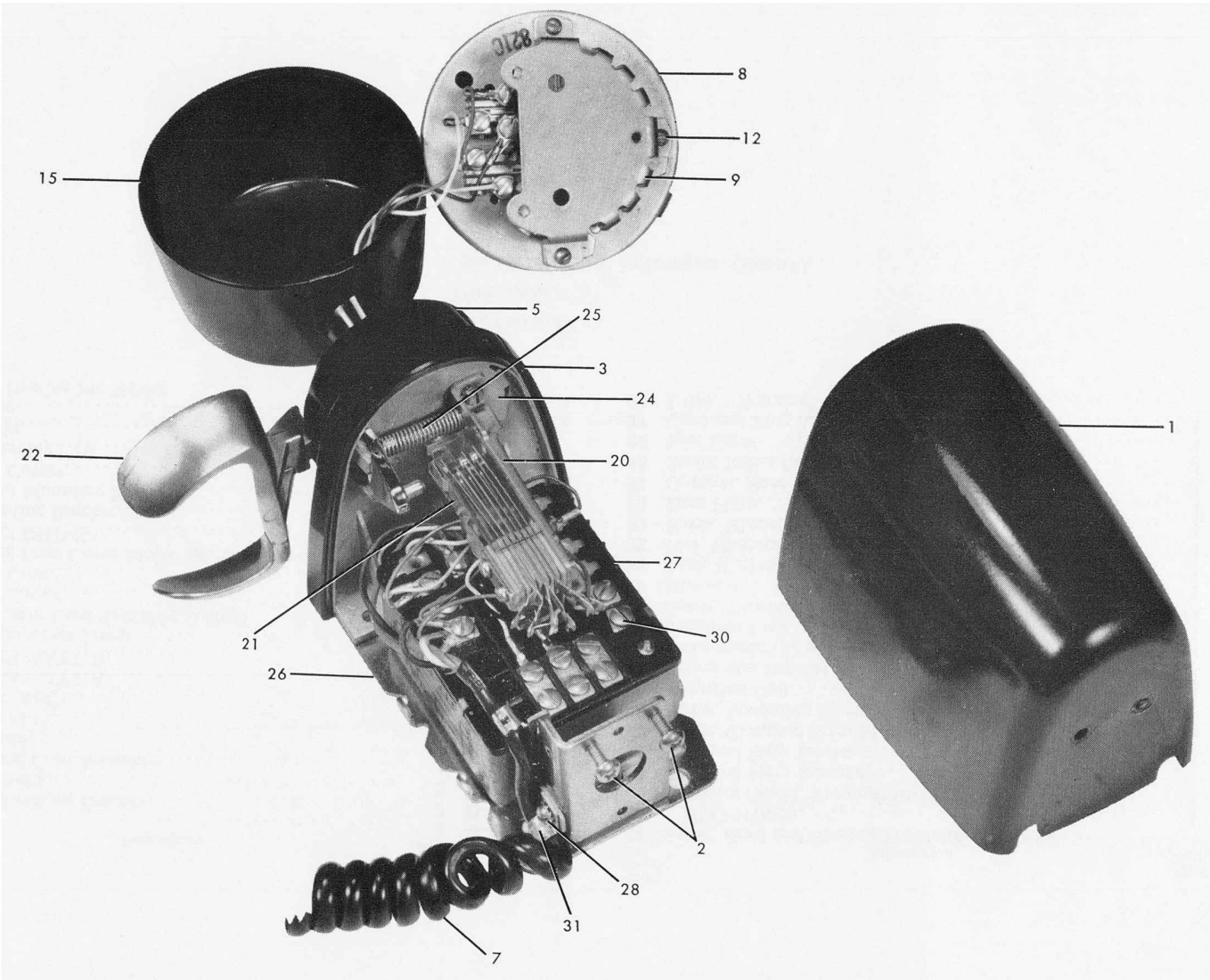
NOTES: ¹See Group IV.

²Not shown.

³See Dial Ordering Information, Group II.

PARTS LIST (Telephone—Paystation) *AUTOMATIC ELECTRIC*

Type 183 Space-Maker® Telephone



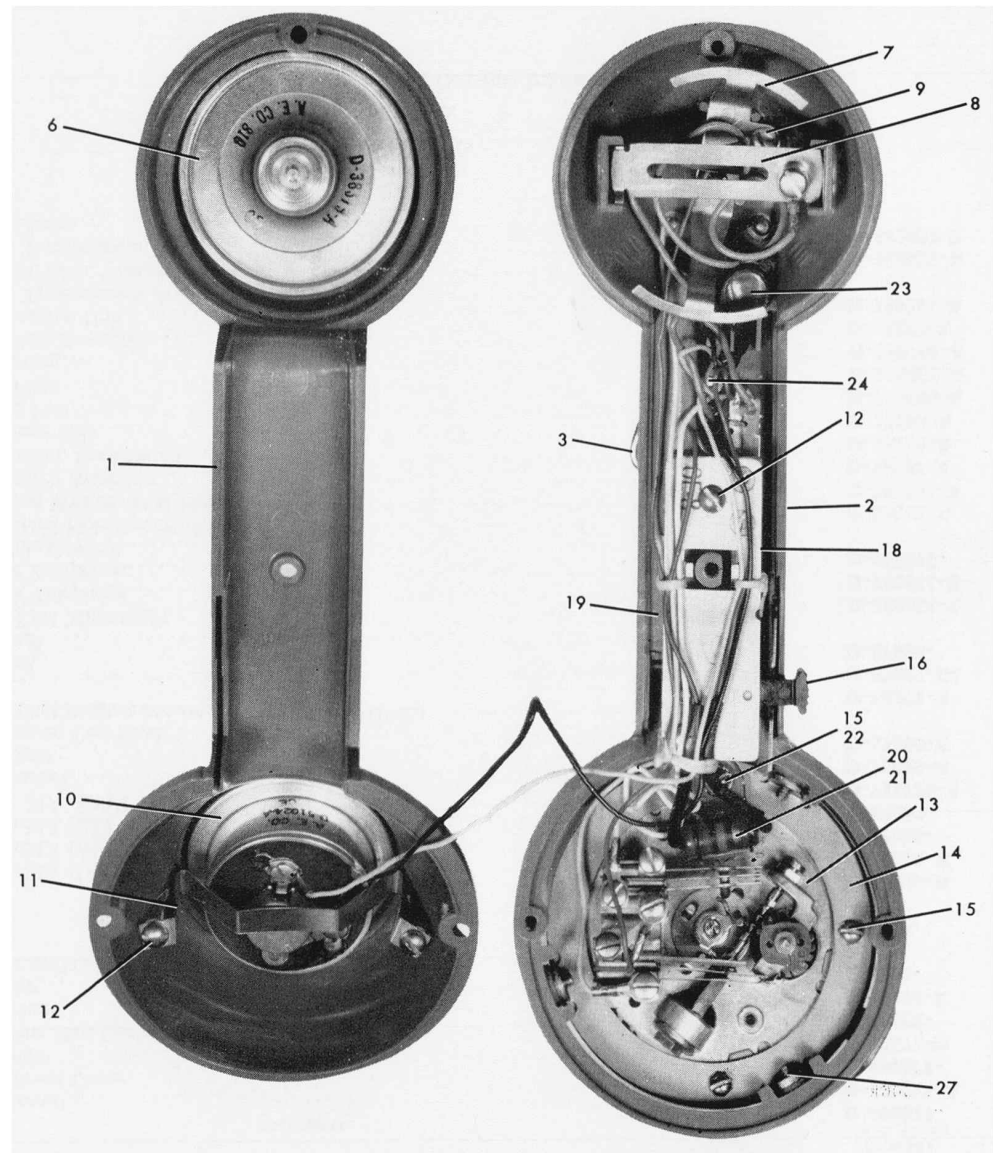
Item Num- ber	Description	Amt. Reqd.	ORDER NO.	
			Type 183 Man. Comp.	Type 183 Self-Comp.
1	Front Cover ¹	1	D-490077-	D-490077-
2	Screw, Front Cover.....	2	D-760853-A	D-760853-A
3	Top Cover ¹	1	D-490078-	D-490078-
4	Speed Nut, Top Cover ²	2	D-77371-R	D-77371-R
5	Ball Socket ¹	1	D-94092-	D-94092-
6	Ball Grip ²	1	D-18198-A	D-18198-A
7	Handset and Cord Assembly ¹	1	L-9044-	L-9053
			or	or
			L-9045-	L-9054
8	Dial ³ :			
	Type 51A (1-0).....	1	D-84820-K	D-84820-K
	Type 51A (ABC).....		D-84821-K	D-84821-K
	Type 51A (SATT A).....		D-84885-	D-84885-
	Type 51A (SATT B).....		D-84887-	D-84887-
9	Dial Bracket.....	1	D-731726-A	D-731726-A
10	Stud, Dial ²	1	D-19416-A	D-19416-A
11	Lockwasher, Dial Stud ²	1	D-17195-E	D-17195-E
12	Screw, Dial Bracket Mounting (4-36x $\frac{1}{4}$ " RHIMS).....	3		
13	Puller ²	1	D-58074-A	D-58074-A
14	Roll Pin ²	1	D-37617-B4	D-37617-B4
15	Dial Cup ¹	1	D-27086-	D-27086-
16	Screw, Dial Mounting ² :			
	Black Telephone.....	1	D-760854-A	D-760854-A
	Color Telephone.....		D-760854-B	D-760854-B
17	Dial Hole Cover ^{1,2}	1	D-490075-	D-490075-
18	Screw, Dial Hole Cover ² (8-32x $\frac{1}{4}$ " FHIMS).....	1		
19	Retaining Washer, Dial Hole Cover ²	1	D-17661-A	D-17661-A
20	Hookswitch Assembly.....	1	D-735391-A	D-735416-A
21	Wire Shield, Hookswitch.....	1	D-18197-A	D-18197-A
22	Hook Assembly.....	1	D-62140-A	D-62147-A
23	Bearing Pin ²	1	D-37700-A	D-37700-A
24	Draw Plate.....	1	D-780799-A	D-780799-A
25	Coil Spring.....	1	D-109868-A	D-109868-A
26	Base Plate Assembly.....	1	D-780798-A	D-780798-B
27	Transmission Unit.....	1	D-38377-A	D-38387-A
28	Screw, Transmission Bracket and Cable Clamp.....	2	D-760764-A	D-760764-A
29	Terminal Link, Transmission Unit ²	1		D-61079-A
30	Screw, Transmission Unit.....	11	D-760919-A	D-760919-A
31	Cable Clamp.....	1	D-542637-B	P-10298

NOTES: ¹See Group IV.

²Not shown.

³See Dial Ordering Information, Group II.

Type 800 Handtest Telephone



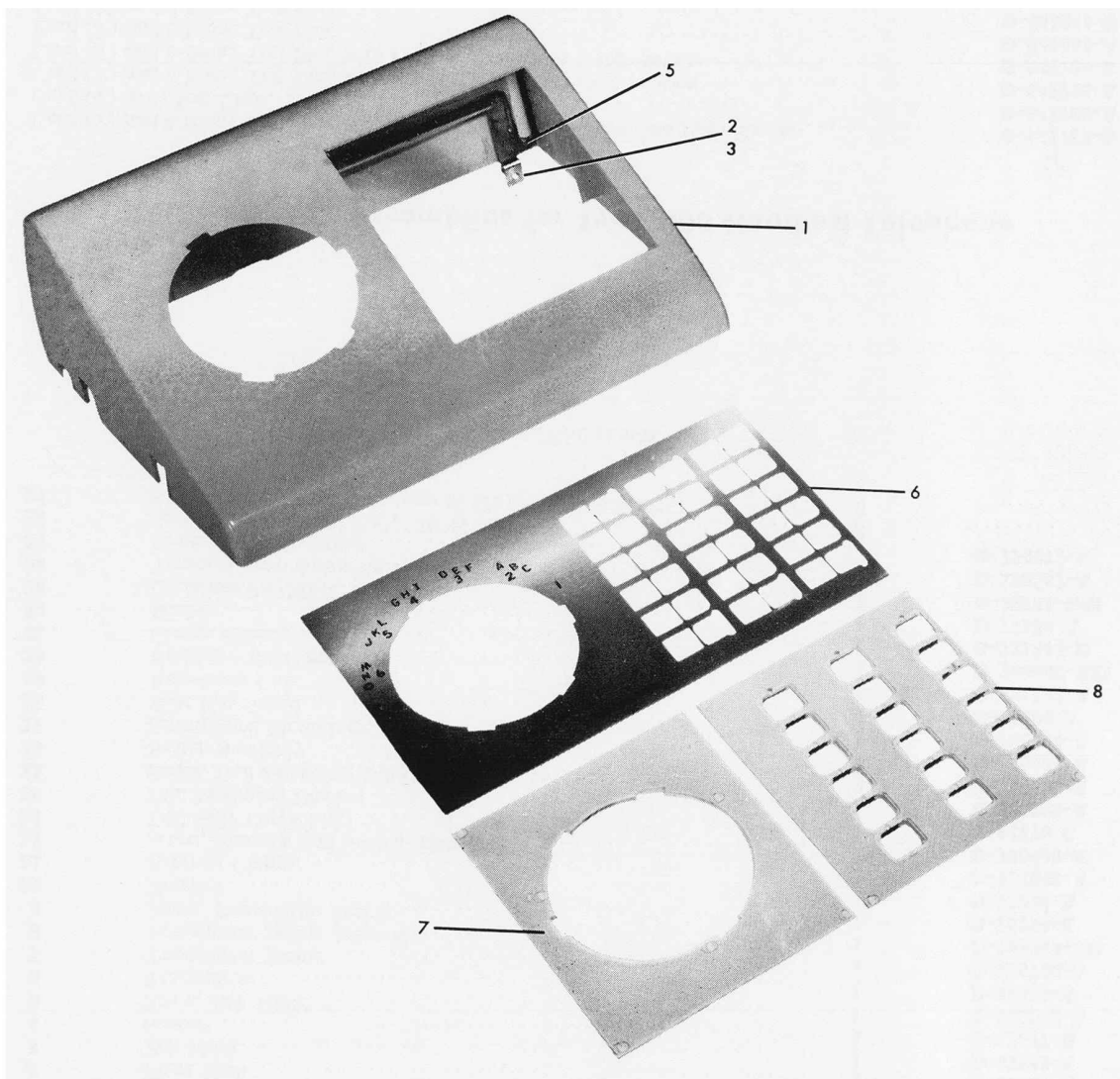
Item Num- ber	Description	Amt. Reqd.	Order No.
1	Rear Shell.....	1	D-52160-A
2	Front Shell.....	1	D-52161-A
3	Belt Hook.....	1	D-62148-A
4	Spacer ²	1	D-17677-A
5	Screw, Belt Hook ²	1	D-760945-A
6	Transmitter.....	1	D-38379-A
7	Transmitter Spring.....	1	D-109756-A
8	Transmitter Spring Assembly.....	1	D-109959-AR
9	Screw, Transmitter Spring.....	1	D-76950-E
10	Receiver.....	1	D-51024-A
11	Receiver Clamp.....	2	D-731886-A
12	Screw, Receiver and Switch Assembly ²	4	D-760900-A
13	Dial Only (Type 51A).....	1	D-84870-C
14	Dial Mounting Bracket.....	1	D-731885-A
15	Screw, Dial Mounting and Clamp.....	3	D-760730-A
16	Switch Assembly.....	1	D-735474-A
17	Screw, Shell Mounting ²	1	D-760944-A
18	Slide Key Shield.....	1	D-18206-A
19	Impedance Coil.....	1	D-281733-A
20	Resistor—1500 Ohm.....	1	D-284086-A15
21	Clamp, Resistor.....	1	D-731449-D
22	Washer.....	1	D-17106-A
23	Capacitor 0.47Mf.....	1	D-68744-DM
24	Terminal Strip Assembly.....	1	D-150262-A
25	Screw, Shell Mounting ²	3	D-760972-A
26	Screw, Test Cord ² (6-32x $\frac{3}{16}$ " BDG HIMS).....	2	.....
27	Screw, Dial Bracket Mounting (6-32x $\frac{1}{8}$ " Phillips HIMS).....	3	.....

NOTES: ²Not shown.

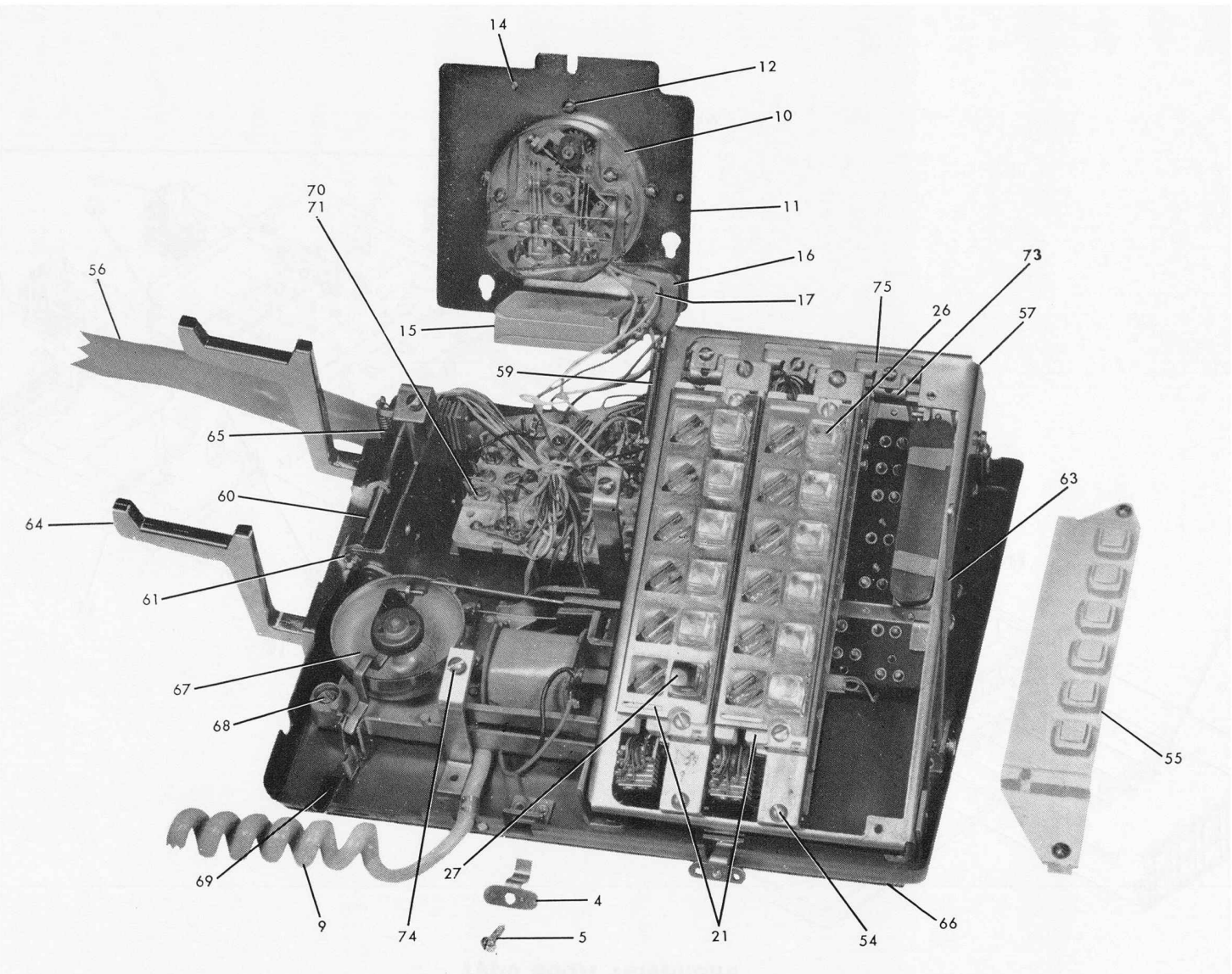
Cord and Plug Assemblies for Type 800 Handtest Telephone

Description	Order No.
Cord (5') and 4-Prong Test Plug with Bottom Springs Common, less Push-Button.....	D-541777-B
Cord (4') with Test Clips.....	D-543395-A
Cord (3') and 4-Prong Test Plug with Push-Button Make Combination.....	D-542725-A
Cord (6') and 4-Prong Test Plug with Push-Button Make Combination.....	D-542725-C
Cord (3') and 2-Prong Test Plug.....	D-543044-A
Cord (6') and 2-Prong Test Plug.....	D-543044-B
Cord (3') and 2-Prong Test Plug with Push-Button Break Combination and 100K Resistance for Interference Suppression on Data Transmission Equipment (TWX).....	D-543392-A
Retractable Cord and Switchboard Plug.....	D-543142-A

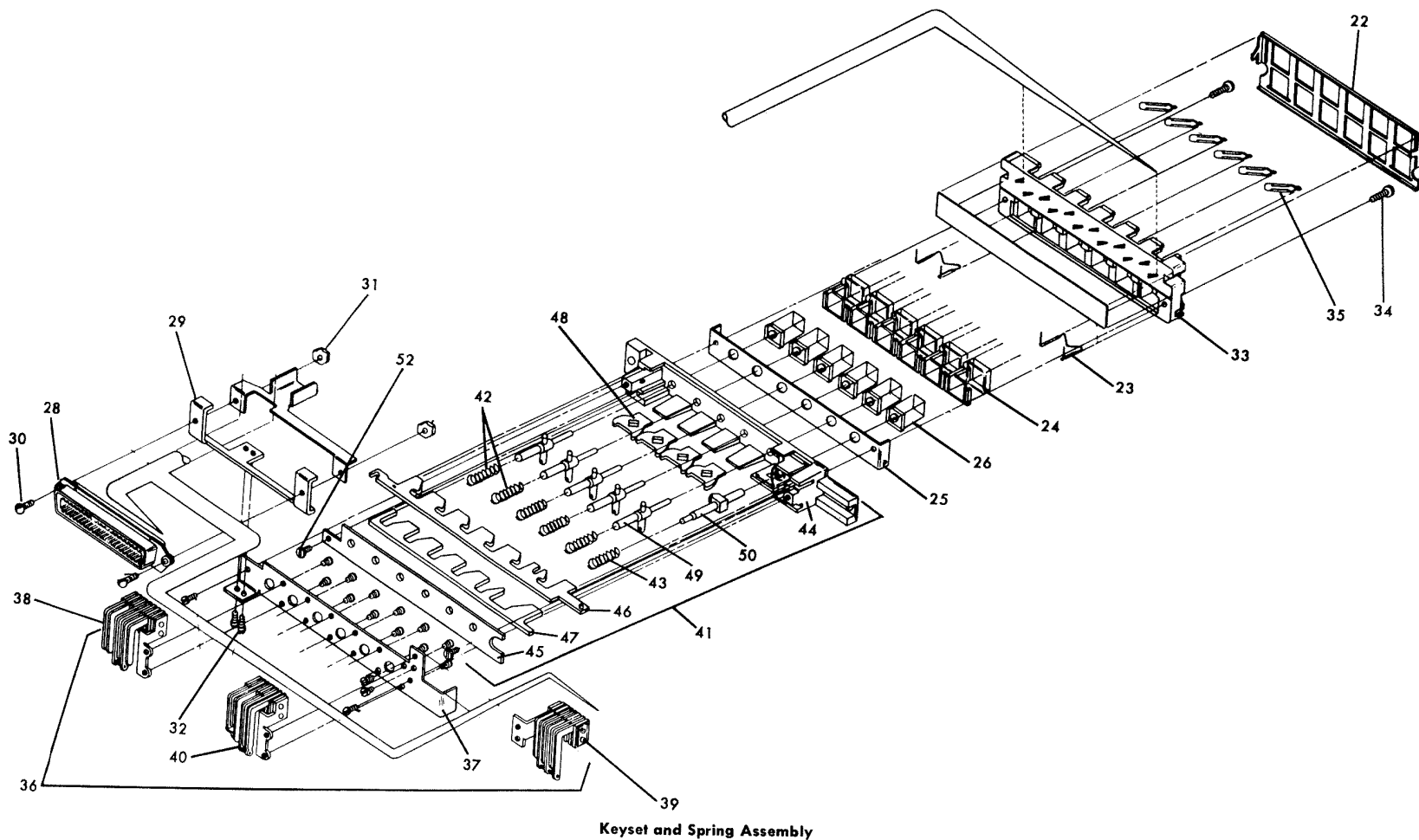
Type 860A Telephone



AUTOMATIC ELECTRIC PARTS LIST (Telephone—Paystation)



Type 860A Telephone

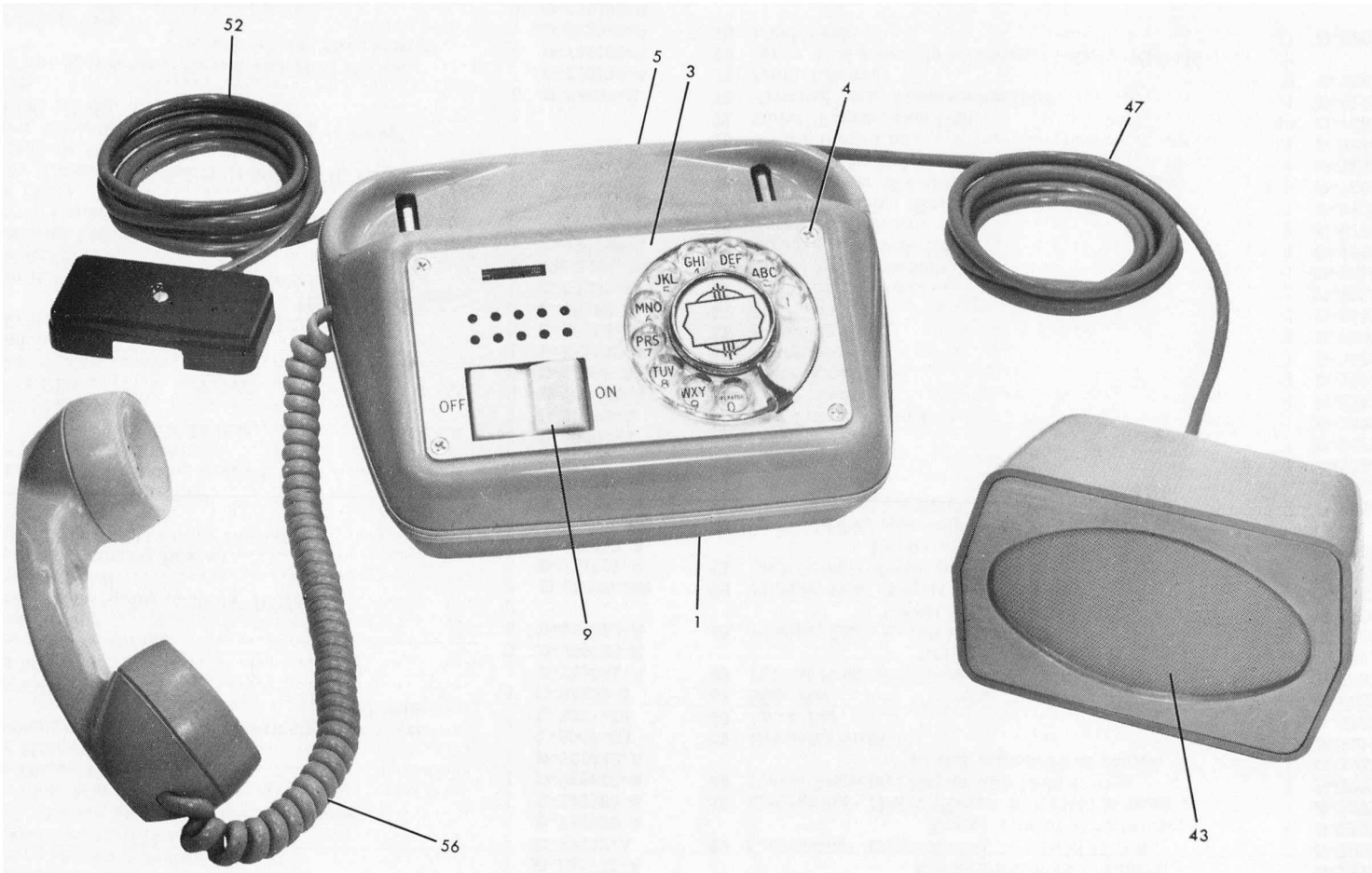


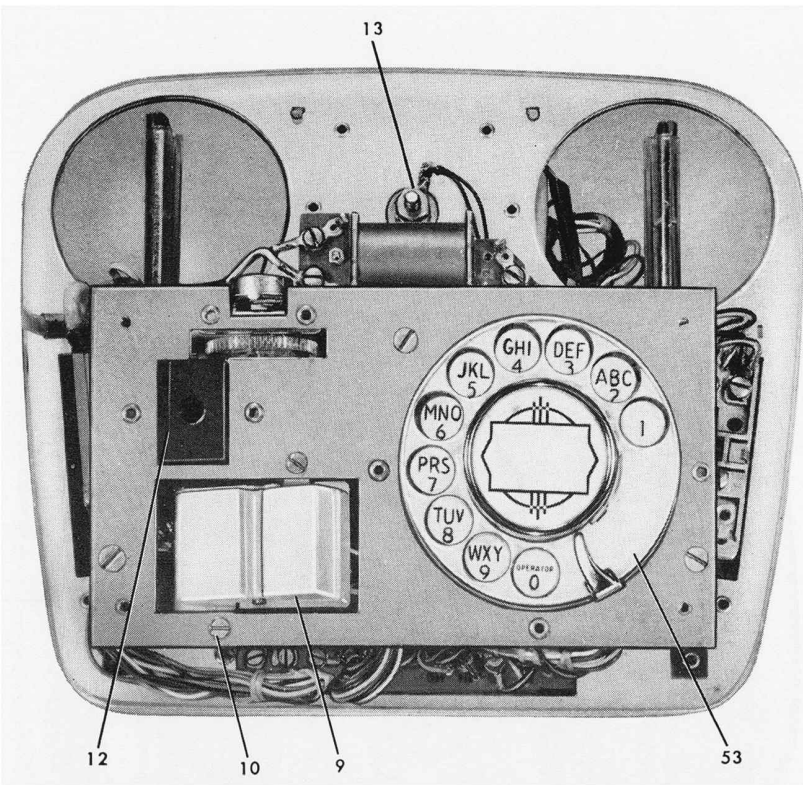
Item Number	Description	Amt. Reqd.	Order No.
1	Housing: Jade Green..... Sand Beige.....	1	D-490091-D D-490091-B
2	Housing Lock Screw.....	2	D-760865-A
3	Housing Mounting Bracket.....	1	D-731757-A
4	Housing Mounting Hooks.....	2	D-62142-A
5	Screw, Housing Hook and Mounting Bracket.....	4	D-760900-A
6	Face Plate Mat Set.....	1	D-530303-A
7	Face Plate--Dial.....	1	D-780809-A
8	Face Plate—Keys.....	1	D-780810-A
9	Handset and Retractable Cord Assembly: Jade Green..... Sand Beige.....	1	L-9047-C3 L-9047-C1
10	Dial, Only (Type 51A).....	1	D-84821-J
11	Dial Mounting Bracket.....	1	D-780811-A
12	Screw, Dial Mounting.....	3	D-760730-A
13	Clamp Spring ²	3	D-109888-A
14	Screw, Clamp Spring (4-40x $\frac{1}{8}$ " RHIMS).....	3	
15	Capacitor .4 Mf.....	1	D-68693-AR
16	Capacitor Mounting Bracket.....	1	D-731517-A
17	Screw, Capacitor Mounting Bracket.....	1	D-760213-A
18	Buzzer ²	1	FD-1068-AB
19	Buzzer Mounting Bracket ²	1	D-731776-A
20	Screw, Buzzer Mounting Bracket ²	4	D-760858-A
21	Key Set: With Hold Button..... Without Hold Button.....	1 1	D-59306-A D-59307-A
22	Light Shield.....	1	D-18199-A
23	Spring Clip.....	2	D-109881-A
24	Collar.....	6	D-18200-A
25	Retaining Strip.....	1	D-311618-A
26	Push Button Clear: Keyset with Hold Button..... Keyset without Hold Button.....	5 6	D-59308-A D-59308-A
27	Push Button Red (Keyset with Hold Button).....	1	D-59308-B
28	Connector.....	1	FD-1004-DS
29	Connector Mounting Bracket.....	1	D-731750-A
30	Screws, Connector to Mtg. Bracket (3-48x $\frac{3}{8}$ " RHIMS).....	2	
31	Nut (3-48).....	2	
32	Screw, Connector to Switch (4-40x $\frac{3}{8}$ " FIL HIMS).....	2	
33	Receptacle Assembly.....	1	D-94097-A
34	Screw, Receptacle Assembly Mounting (4-40x $\frac{3}{8}$ " BDG HIMS).....	2	
35	Lamp.....	6	D-94085-A
36	Key Spring Assembly: Keyset with Hold Button..... Keyset without Hold Button.....	1 1	D-735399-A D-735400-A
37	Mounting Strip.....	1	D-311620-A
38	Line Switch: Keyset with Hold Button..... Keyset without Hold Button.....	5 6	D-735396-A D-735396-A

Item Number	Description	Amt. Reqd.	Order No.
39	Chaining Switch.....	1	D-735397-A
40	Hold Switch (Keyset with Hold Button).....	1	D-735398-A
41	Ladder Assembly: Keyset with Hold Button..... Keyset without Hold Button.....	1 1	D-16386-A D-16387-A
42	Coil Spring—Light: Keyset with Hold Button..... Keyset without Hold Button.....	5 6	D-109882-A D-109882-A
43	Coil Spring—Heavy (Keyset with Hold Button).....	1	D-109883-A
44	Frame Assembly: Keyset with Hold Button..... Keyset without Hold Button.....	1 1	D-30225-A D-30222-A
45	Retaining Strip.....	1	D-311619-A
46	Latch Bar.....	1	D-58075-A
47	Slide Bar.....	1	D-58076-A
48	Release Segments: Keyset with Hold Button..... Keyset without Hold Button.....	4 5	D-58077-A D-58077-A
49	Plunger, Line: Keyset with Hold Button..... Keyset without Hold Button.....	5 6	D-67668-A D-67668-A
50	Plunger, Hold (Keyset with Hold Button).....	1	D-67638-A
51	Lock Screw ² : Keyset with Hold Button..... Keyset without Hold Button.....	5 6	D-760861-A D-760861-A
52	Screw, Ladder Assembly (4-40x $\frac{1}{4}$ " BDG HIMS).....	2	
53	Bushing, Blocking Ring ¹	2	D-750008-A
54	Screw, Captive.....	6	D-760862-A
55	Key Blank.....	1	D-63544-A
56	Cord Assembly.....	1	D-543308-A
57	Key Frame Assembly.....	1	D-30227-A
58	Yoke—Latch ²	1	D-67639-A
59	Coil Spring, Yoke.....	1	D-109885-A
60	Bearing Pin.....	1	D-37692-A
61	Retaining Ring.....	1	D-65511-C
62	Cord Clamp ²	1	D-543291-A
63	Maintenance Hook.....	1	D-62141-A
64	Cradle Hook Assembly.....	1	D-62144-A
65	Coil Spring, Cradle Hook.....	1	D-109895-A
66	Cork Pad, Baseplate.....	1	D-67640-A
67	Ringer Assembly (Single Gong, Single Coil).....	1	D-56580-A
68	Screw, Ringer Mounting (Furnished with Ringer).....	3	D-760866-A
69	Lever, Ringer Volume Control.....	1	D-16388-A
70	Transmission Unit.....	1	D-38380-A
71	Screw, Transmission Unit.....	19	D-760919-A
72	Terminal Link, Transmission Unit ²	1	D-61079-A
73	Latch Assembly.....	3	D-58079-A
74	Screw, Dial Assembly Mounting (5-40x $\frac{1}{4}$ " RHIMS).....	3	
75	Latch Lock.....	1	D-58080-A

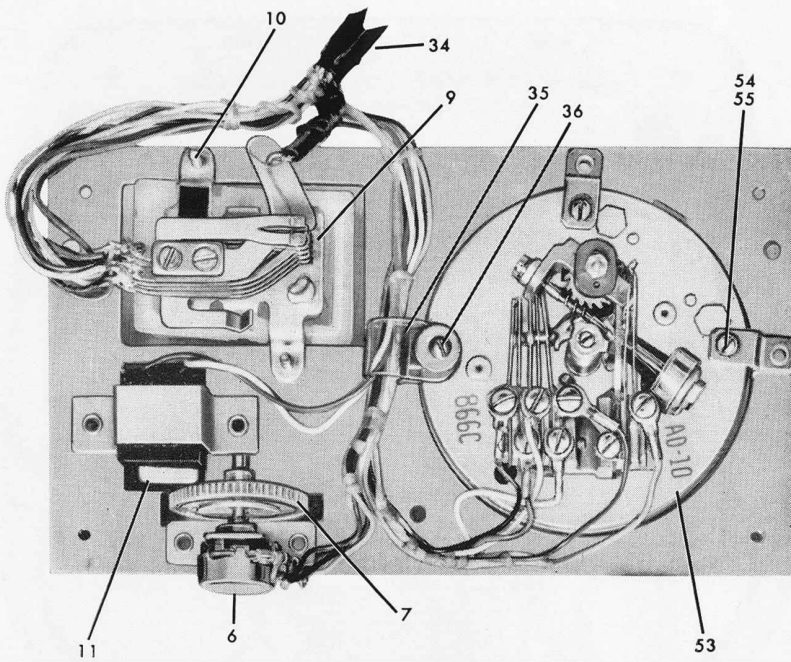
NOTES: ²Not shown.

Type 880 Speakerphone





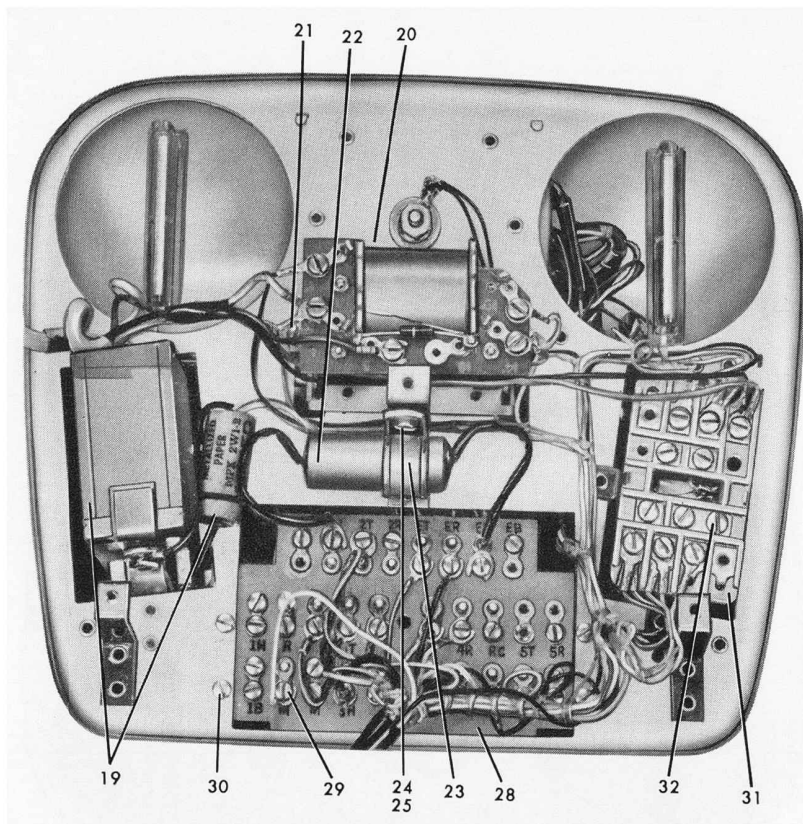
Upper Housing Removed



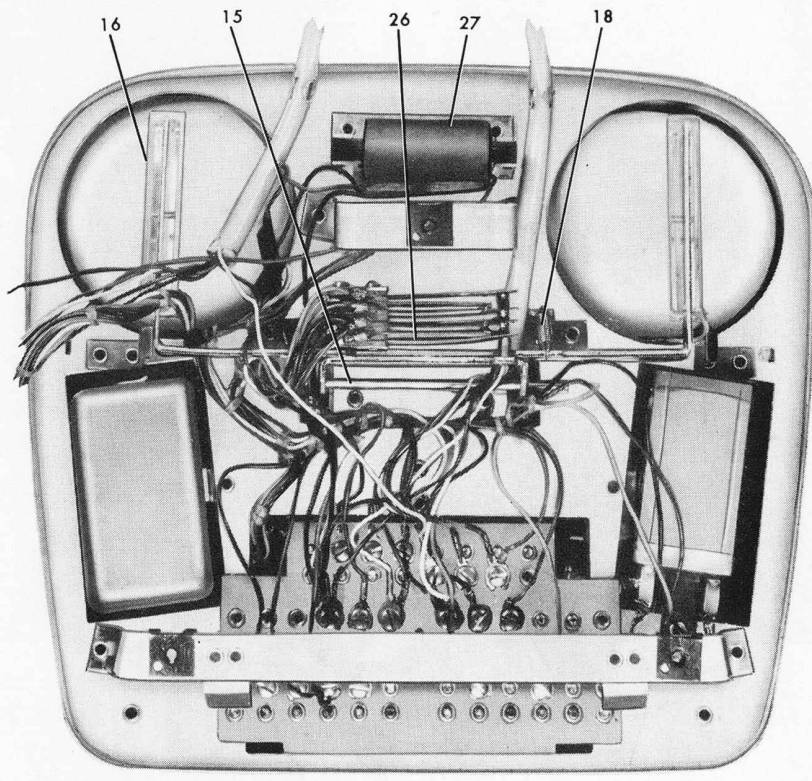
Rear View of Dial Plate

Type 880 Speakerphone

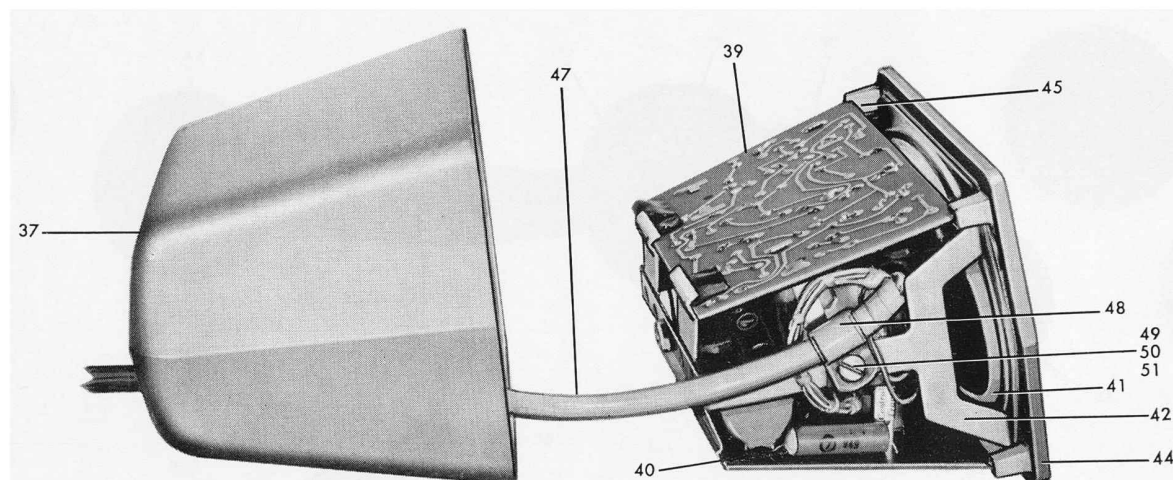
P-34



Upper Housing and Dial Plate Removed



Lower Housing Removed



Speaker Assembly, Housing Removed

Item Number	Description	Amt. Reqd.	Order No.
1	Lower Housing ¹	1	D-490108-
2	Scr., Lower Housing Mtg. ² ..	3	D-760183-A
3	Face Plate Assembly.....	1	D-780836-AR
4	Screw, Face Plate Assembly Mounting.....	4	D-760922-A
5	Upper Housing ¹	1	D-490107-
6	Rheostat Assembly.....	1	D-284478-A
7	Knob, Rheostat.....	1	D-59318-A
8	Spring Grip Washer, Rheostat Knob ²	1	D-17675-A
9	Switch Assembly.....	1	D-735412-A
10	Screw, Switch Assbly. Mtg. (4-40x $\frac{3}{16}$ " FHIMS).....	2	
11	Microphone.....	1	FD-1054-AJ
12	Microphone Cushion.....	1	D-67443-B
13	Zener Power Voltage Regulator.....	1	FD-1029-DT
14	Pin Lock ²	1	D-58062-A
15	Bearing Pin.....	1	D-37592-A
16	Lever Assembly.....	1	D-16391-A
17	Screw, Lever Assembly ² (3-48x $\frac{3}{16}$ " BDG HIMS).....	1	
18	Coil Spring.....	1	D-109914-A
19	Flasher Assembly.....	1	H-884295-I
20	Induction Coil.....	1	D-284476-A
21	Scr., Induction Coil Mtg....	2	D-760848-A
22	Capacitor Assembly.....	1	D-68813-A

Item Number	Description	Amt. Reqd.	Order No.
23	Capacitor Clamp.....	1	D-731449-K
24	Screw, Capacitor Clamp (6-32x $\frac{3}{16}$ " RHIMS).....	1	
25	Washer, Capacitor Clamp..	2	D-1724-A
26	Spring & Bracket Assbly....	1	D-735413-A
27	Transformer Assembly.....	1	D-95102-C
28	Terminal Board.....	1	D-150193-A
29	Screw, Terminal Board (4-40x $\frac{1}{4}$ " BDG HIMS).....	46	
30	Scr., Terminal Board Mtg. (4-40x $\frac{3}{4}$ " DDG H BRMS).....	4	
31	Transmission Unit.....	1	D-38382-B
32	Screw, Transmission Unit..	9	D-760919-A
33	Terminal Link, Transmission Unit ²	1	D-61079-A
34	Cable.....	1	H-981640-I
35	Cable Clamp.....	1	D-731449-C
36	Cable Clamp Screw (4-36x $\frac{3}{16}$ " RHIMS).....	1	
37	Housing (Speaker) ¹	1	D-490109-
38	Screw, Housing ²	1	D-760738-A
39	Amplifier Assembly.....	1	WA-1011-A
40	Signal Assembly.....	1	WA-1012-A
41	Speaker.....	1	FD-1054-AK
42	Bracket Assembly, Speaker Assembly.....	1	D-731827-A
43	Grill.....	1	D-18204-A

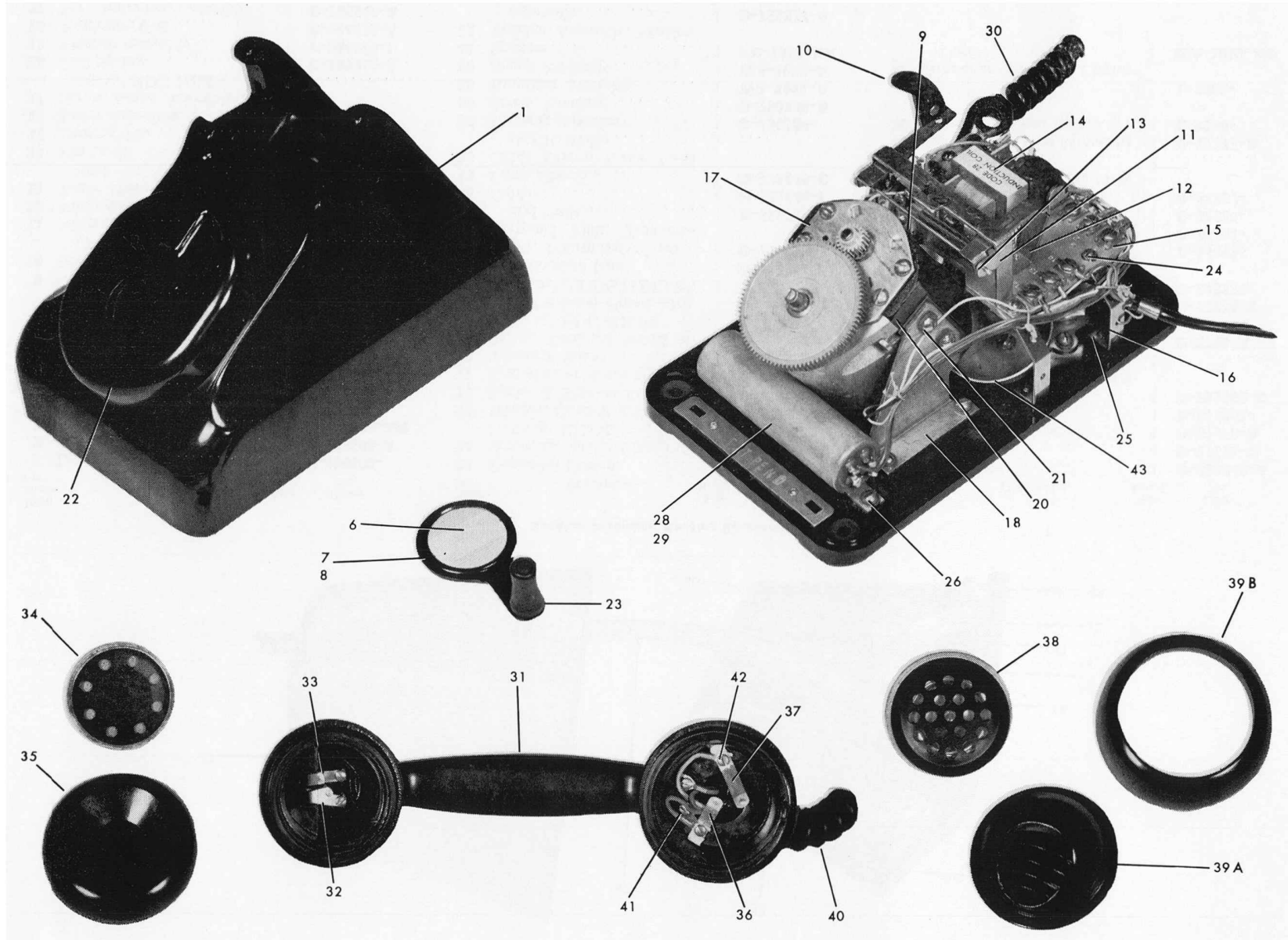
²Not shown.

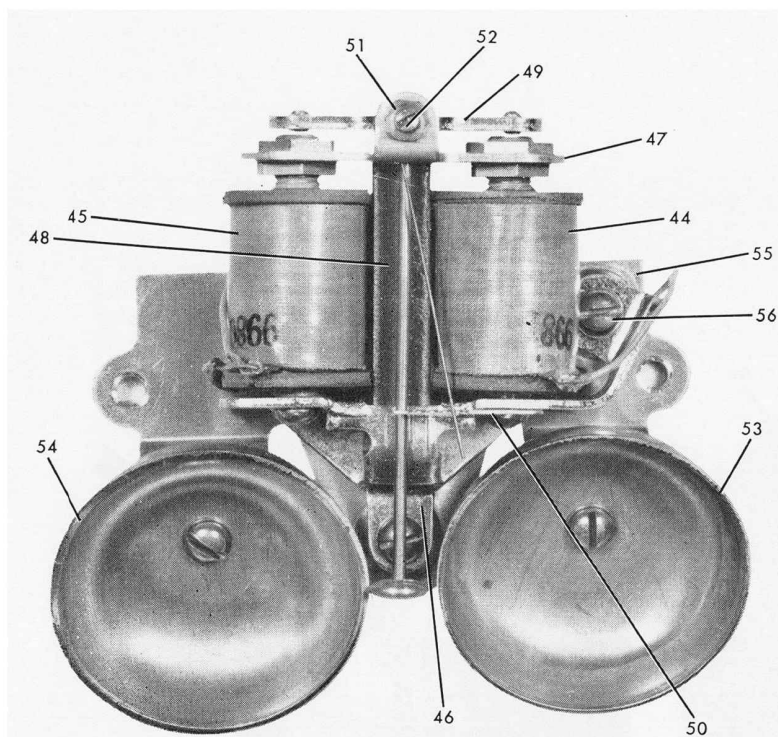
Item Number	Description	Amt. Reqd.	Order No.
44	Face Plate.....	1	D-780840-A
45	Speed Nut.....	4	D-77371-U
46	Pad, Speaker Assembly ²	1	D-67476-A
47	Cord Assembly ¹	1	D-543341-
48	Cord Clamp.....	1	D-731449-C
49	Screw, Cord Clamp (6-32x $\frac{3}{8}$ " RHIMS).....	1	
50	Washer, Cord Clamp.....	1	D-1724-A
51	Speed Nut, Cord Clamp & Mtg. Plate Assembly....	4	D-77371-T
52	Line Cord ¹	1	D-543339-
53	Dial Assembly ³ : Type 51A (1-0)..... Type 51A (ABC)..... Type 51A (SATT A)..... Type 51A (SATT B).....	1	D-84863- D-84864- D-84885- D-84887-
54	Screw, Dial Mounting (4-36x $\frac{3}{16}$ " RHIMS).....	2	
55	Lockwasher, Dial Mounting	3	D-17377-A
56	Handset & Cord Assbly. ¹ ...	1	L-9060- or L-9061-
57	Amplifier Printed Circuit Card ²	1	WA-1010-AR

³See Dial Ordering Information, Group II.

NOTES: ¹See Group IV.

Type 900 Leich Telephone



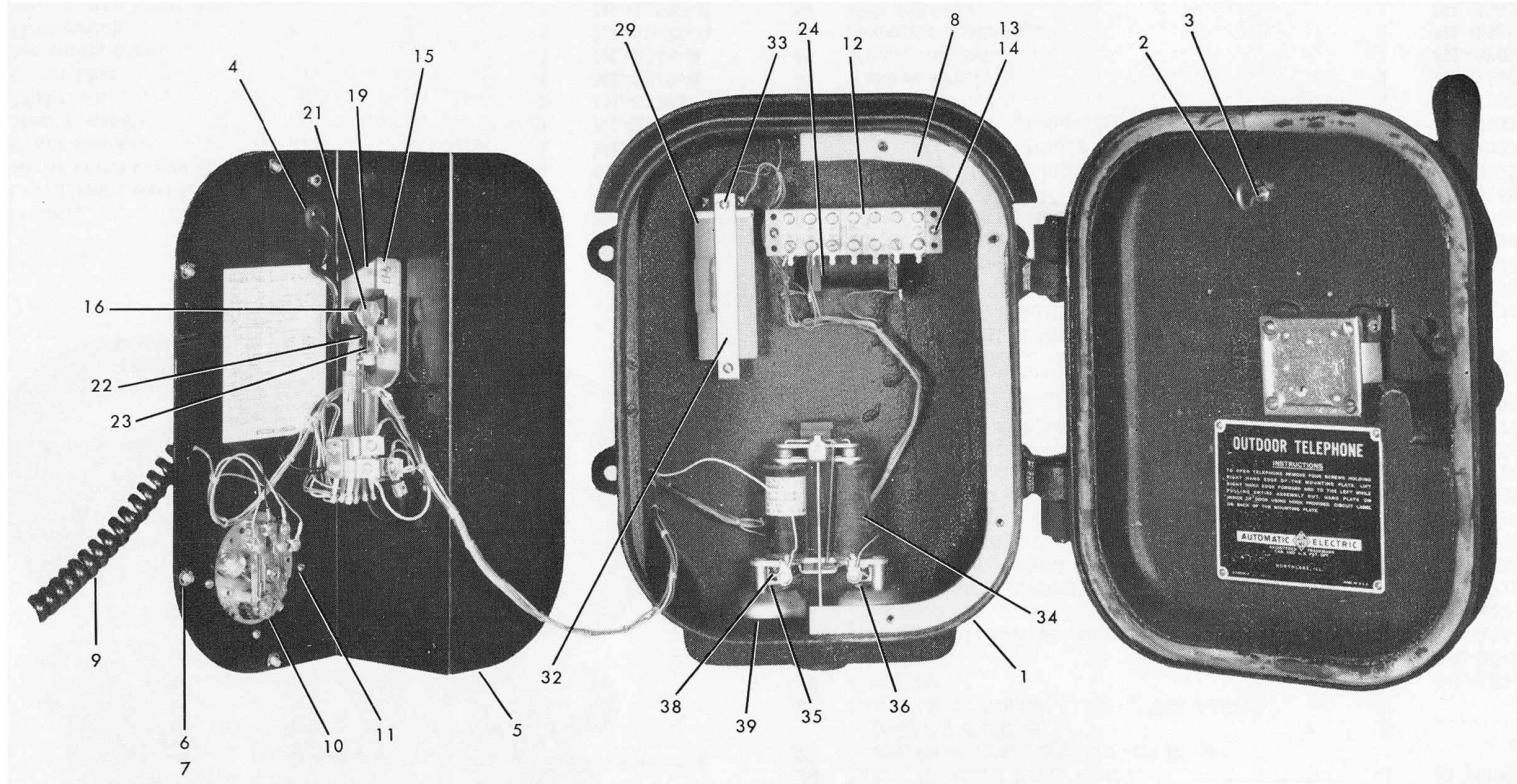


Item Number	Description	Amt. Req'd.	Order No.
1	Housing.....	1	NL-11900-A
2	Left Hand Cover Clamp ²	1	NL-12689-A
3	Right Hand Cover Clamp ²	1	NL-12690-A
4	Front Bracket ²	1	NL-11872-A
5	Rear Bracket ²	1	NL-11873-A
6	Dial Card.....	1	NL-15303-A
7	Cover Disc.....	1	NL-8349-A
8	Retaining Ring.....	1	NL-8348-A
9	Hookswitch.....	1	NL-12675-A
10	Hookswitch Lever Arm.....	1	NL-11902-A
11	Hookswitch Lever Support.....	1	NL-11866-A
12	Hookswitch Stop.....	1	NL-11869-A
13	Hinge Pin.....	1	NL-11870-A
14	Induction Coil.....	1	NL-11987-A
15	Terminal Panel.....	1	NL-12753-A
16	Terminal Panel Bracket.....	4	NL-12668-A

Item Number	Description	Amt. Req'd.	Order No.
17	Generator.....	1	NL-12656-A
18	Generator Mounting Bracket, Right Hand.....	1	NL-12665-A
19	Generator Mounting Bracket, Left Hand ²	1	NL-12666-A
20	Insulator, Generator Mounting Bracket.....	2	NL-12677-A
21	Screw, Insulator.....	4	NL-12676-A
22	Generator Cover.....	1	NL-12685-A
23	Generator Crank.....	1	NL-12700-A
24	Screw, Hookswitch Stop, Hookswitch, and Terminal Panel (6-32x $\frac{3}{16}$ " RHIMS).....	11	
25	Screw, Terminal Panel Bracket.....	4	D-760969-A
26	Screw, Generator, Capacitor and Ringer (8-32x $\frac{7}{16}$ " FHIMS).....	8	
27	Screw, Cover Clamp ² (6-32x $\frac{3}{4}$ " FIL HIMS).....	2	
28	Capacitor.....	1	NL-13103-A
29	Capacitor.....	1	NL-12702-A
30	Handset and Cord Assembly.....	1	NL-12296-CA
31	Handset Shell.....	1	NL-12294-A
32	Receiver Spring (Center).....	1	NL-12286-A
33	Receiver Spring (Rim).....	1	NL-12287-A
34	Receiver Capsule.....	1	NL-12298-A
35	Receiver Cap.....	1	NL-11753-A
36	Transmitter Spring (Center).....	1	NL-12288-A
37	Transmitter Spring (Rim).....	1	NL-12289-A
38	Transmitter Capsule.....	1	NL-12297-A
39A	Transmitter Mouthpiece.....	1	NL-11752-A
39B	Transmitter Clamping Ring.....	1	NL-11751-A
40	Handset Cord.....	1	NL-11853-A
41	Connecting Link.....	1	NL-1746-A
42	Screw, Terminal (3-48x $\frac{3}{16}$ " BDG HIMS).....	6	
43	Ringer: 2x1000-Ohm Biased.....	1	NL-12703-A
	2x1600-Ohm Biased.....		NL-12703-B
	2x2150-Ohm Biased.....		NL-12703-C
44	Ringer Coil, Right: Ringer NL-12703-A.....	1	NL-9978-A
	Ringer NL-12703-B.....	1	NL-8926-A
	Ringer NL-12703-C.....	1	NL-9980-A
45	Ringer Coil, Left: Ringer NL-12703-A.....	1	NL-9979-A
	Ringer NL-12703-B.....	1	NL-8927-A
	Ringer NL-12703-C.....	1	NL-9981-A
46	Heel Iron.....	1	NL-8881-A
47	Yoke Assembly.....	1	NL-8893-A
48	Ringer Magnet.....	1	NL-8901-A
49	Armature Assembly.....	1	NL-8985-A
50	Bias Adjuster.....	1	NL-13523-A
51	Adjusting Nut.....	1	D-77041-A
52	Adjusting Screw.....	1	D-760965-A
53	Gong, Right.....	1	NL-11890-A
54	Gong, Left.....	1	NL-11986-A
55	Ringer and Gong Mounting Plate.....	1	NL-12678-A
56	Screws, Gong, Coil, and Heel Iron Mounting.....	6	D-760985-A

NOTES: ²Not shown.

Type L-975 Outdoor Telephone



Item Num- ber	Description	Amt. Reqd.	Order No.
1	Housing (Containing Box).....	1	D-48312-A
2	Mounting Plate, Screw Eye.....	1	D-76931-A
3	Mounting Plate, Screw Eye Hex Nut.....	1	D-77124-D
4	Rubber Grommet.....	1	D-67431-A20
5	Mounting Plate.....	1	D-78944-B
6	Screw, Mounting Plate.....	4	D-76933-A
7	Retaining Ring.....	4	D-65511-C
8	Mounting Plate Gasket.....	1	D-67278-A
9	Handset and Cord Assembly:		
	Pushbutton.....	1	L-9035-CO
	Standard.....	1	L-9024-CO
10	Dial Assembly:		
	Type 51A (1-0).....	1	D-84820-C
	Type 51A (ABC).....		D-84821-C
	Type 51A (Radio Suppression).....		D-84844-C
11	Screw, Dial (4-36x $\frac{3}{16}$ " RH BRMS).....	3	
12	Terminal Strip.....	1	D-15513-A
13	Screw, Terminal Strip Mounting (5-40x1 $\frac{3}{4}$ " RH BRMS).....	2	
14	Terminal Strip Bushing.....	2	D-750185-A
15	Hook, Spring, and Bracket Assembly.....	1	D-731355-A
16	Hookswitch.....	1	D-62134-A
17	Screw, Hookswitch Mounting ²	2	D-76744-E
18	Screw, Hookswitch ²	1	D-760158-A
19	Hookswitch Mounting Bracket.....	1	H-66551-26
20	Hookswitch, Washer ²	1	D-17528-A
21	Screw, Hookswitch Bearing.....	1	D-760217-A
22	Hookswitch Spring.....	1	D-109567-A
23	Hookswitch Buffer.....	1	D-75453-A

Item Num- ber	Description	Amt. Reqd.	Order No.
24	Induction Coil.....	1	D-282996-BR
25	Induction Coil Screw ² (5-40x1 $\frac{1}{16}$ " RHIMS).....	2	
26	Screw, Induction Coil and Mounting Bracket ² (6-32x $\frac{1}{4}$ " RHIMS).....	2	
27	Induction Coil Mounting Bracket ²	1	D-730987-A
28	Washer, Induction Coil ²	2	D-17468-A
29	Capacitor (.4 Mf/.7Mf).....	1	D-68640-AR
30	Spacer, Induction Coil ²	2	D-17197-A
31	Washer, Induction Coil ²	2	D-17366-A
32	Capacitor Mounting Bracket.....	1	H-47612-4
33	Screw, Capacitor Bracket (6-32x1 $\frac{1}{4}$ " RHIMS).....	2	
34	Ringer Assembly (Straight Line).....	1	D-56329-A
35	Left Ringer Mounting Bracket.....	1	H-60694-10
36	Right Ringer Mounting Bracket.....	1	H-60694-11
37	Lock Washer, Ringer Mounting ²	2	D-17376-A
38	Screw, Ringer Mounting (8-32x $\frac{3}{16}$ " RHIMS).....	2	
39	Gong.....	2	D-56328-A
40	Cord Clamp ²	1	D-542697-A
41	Wire Form Support ²	1	D-73261-C
42	Screw, General Holes ²	3	D-76876-A
43	Nut, General Holes ²	3	D-77055-A
44	Dial Hole Cover ²	1	D-49317-A
45	Screw, Dial Hole Cover ² (4-40x $\frac{3}{16}$ " FHIMS).....	1	
46	Screw, Dial Hole Cover ²	2	D-76462-A
47	Nut, Dial Hole Cover ²	1	D-542697-A
48	Terminal Strip Assembly ²	1	D-310833-A
49	Terminal Mounting Strip ²	1	D-310834-A
50	Screw, Battery Bracket Holes ² (10-32x $\frac{3}{16}$ " RHIMS).....	2	

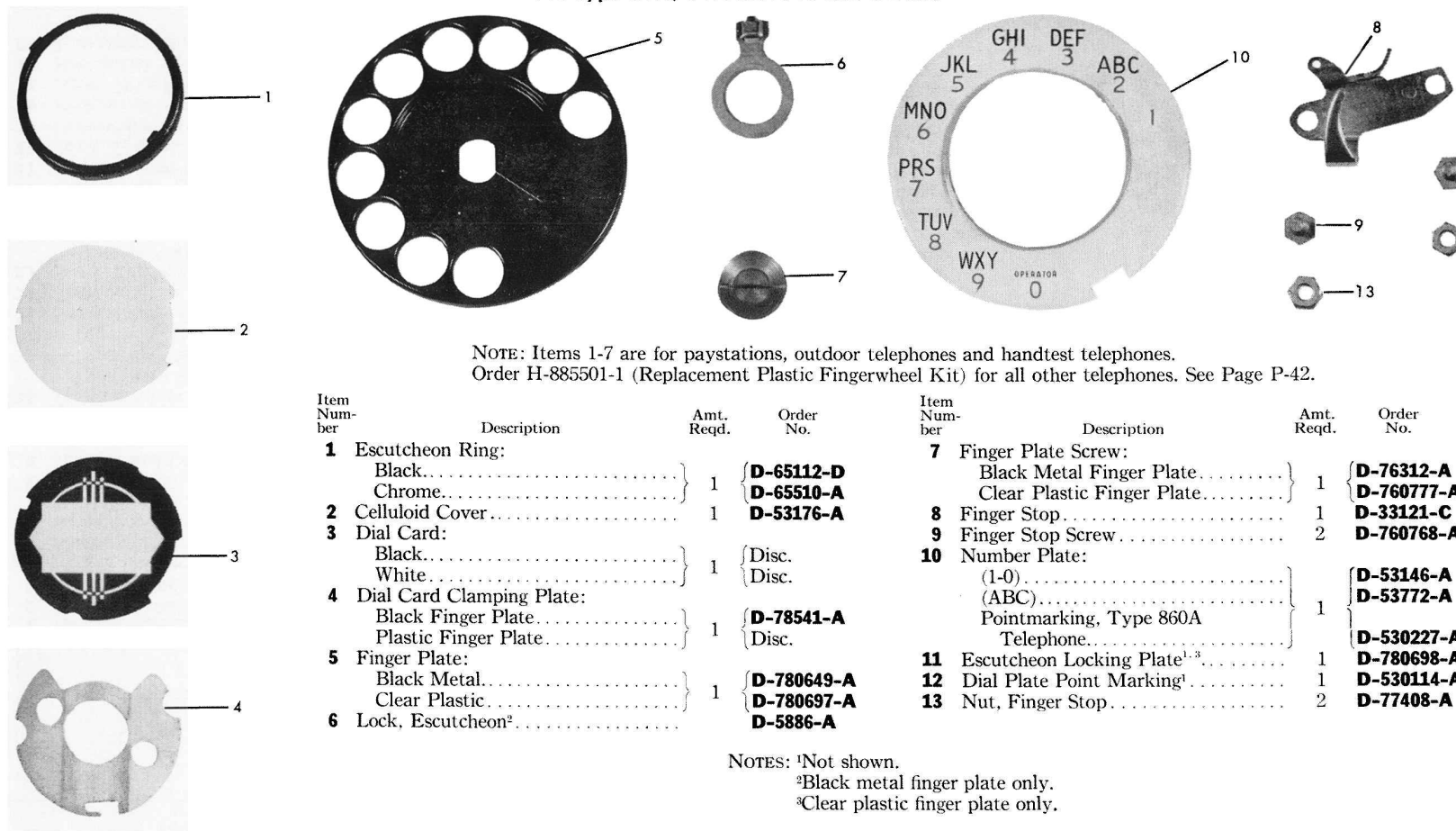
NOTES: ²Not shown.

GROUP II—Dial, Handset and Ringer Replacement Parts

Parts and components listed in this section are usually available from stock for immediate shipment. When requesting colored parts or components, refer to Group IV for ordering information.

Dial Front Parts

For Type 51A, 51A SATT A and B Dials



NOTE: Items 1-7 are for paystations, outdoor telephones and handtest telephones.
Order H-885501-1 (Replacement Plastic Fingerwheel Kit) for all other telephones. See Page P-42.

Item Number	Description	Amt. Req'd.	Order No.	Item Number	Description	Amt. Req'd.	Order No.
1	Escutcheon Ring:			7	Finger Plate Screw:		
	Black.....	1	D-65112-D		Black Metal Finger Plate.....	1	D-76312-A
	Chrome.....	1	D-65510-A		Clear Plastic Finger Plate.....	1	D-760777-A
2	Celluloid Cover.....	1	D-53176-A	8	Finger Stop.....	1	D-33121-C
3	Dial Card:			9	Finger Stop Screw.....	2	D-760768-A
	Black.....	1	{ Disc.	10	Number Plate:		
	White.....	1	{ Disc.		(1-0).....	1	D-53146-A
4	Dial Card Clamping Plate:				(ABC).....	1	D-53772-A
	Black Finger Plate.....	1	D-78541-A		Pointmarking, Type 860A		
	Plastic Finger Plate.....	1	{ Disc.		Telephone.....	1	D-530227-A
5	Finger Plate:			11	Escutcheon Locking Plate ^{1,3}	1	D-780698-A
	Black Metal.....	1	D-780649-A	12	Dial Plate Point Marking ¹	1	D-530114-A
	Clear Plastic.....	1	D-780697-A	13	Nut, Finger Stop.....	2	D-77408-A
6	Lock, Escutcheon ²		D-5886-A				

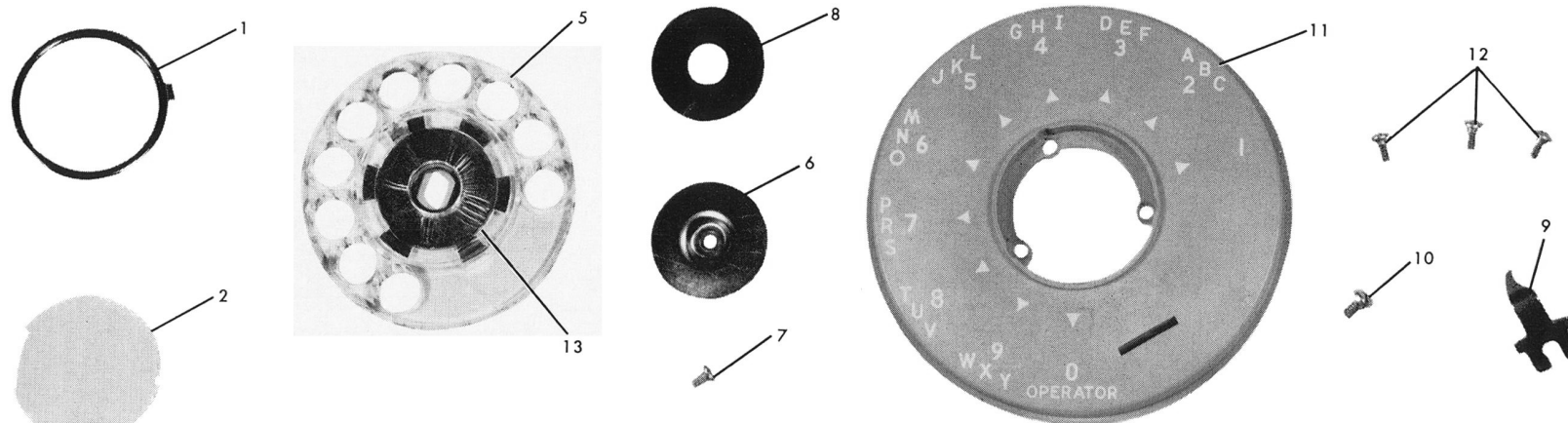
NOTES: ¹Not shown.

²Black metal finger plate only.

³Clear plastic finger plate only.

Dial Front Parts

For Type 52, 53A and 53B Dials



NOTE: Items 1-8 are for paystations, outdoor telephones and handtest telephones.
Order H-885503-1 (Replacement Plastic Fingerwheel Kit) for all other telephones. See Page P-42.

Item Number	Description	Amt. Req'd.	Order No.	Item Number	Description	Amt. Req'd.	Order No.
1	Escutcheon Ring:			6	Retaining Washer ⁴	1	D-17676-A
	Black.....	1	D-65112-D	7	Finger Plate Screw ⁴	1	D-760777-A
	Chrome.....	1	D-65510-A	8	Washer ⁴ (If Required).....	1	D-17666-A
2	Celluloid Cover.....	1	D-53176-A	9	Finger Stop.....	1	D-33128-A
3	Dial Card:			10	Finger Stop Screw.....	1	D-760768-A
	Black.....	1	{ Disc.	11	Number Plate ²		
	White.....	1	{ Disc.		(1-0).....	1	D-530168-
4	Dial Card Clamping Plate:				(ABC).....	1	D-530167-
	Black Finger Plate.....	1	D-78541-A	12	Number Plate Screw.....	3	D-760767-A
	Plastic Finger Plate.....	1	{ Disc.	13	Escutcheon Locking Plate ⁴	1	D-780698-A
5	Finger Plate:			14	Escutcheon Lock ^{4,3}	1	D-5886-A
	Black.....	1	D-780649-A	15	Finger Plate Screw ^{4,3}	1	D-76312-A
	Clear Plastic.....	1	D-780697-A				

NOTES: ¹Not shown.

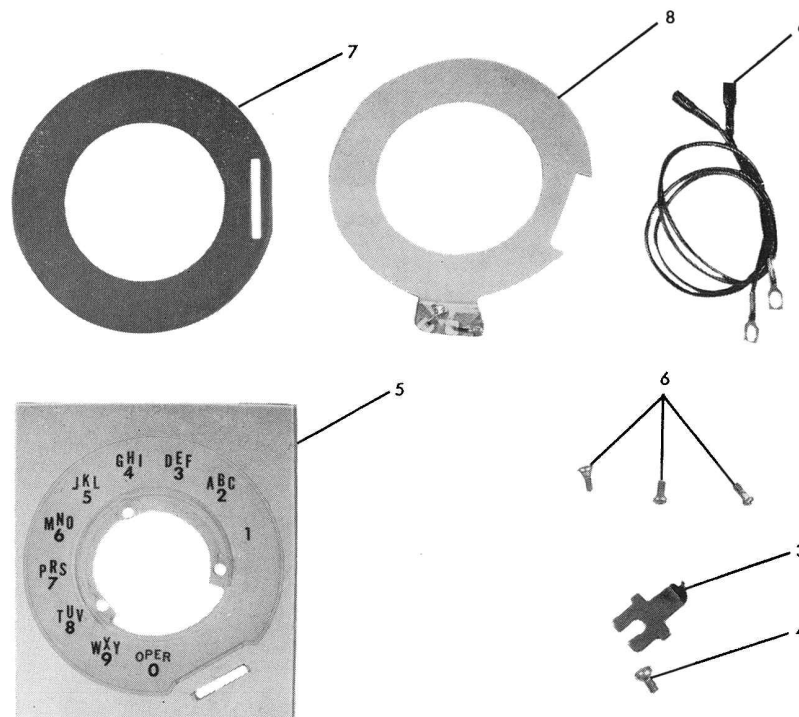
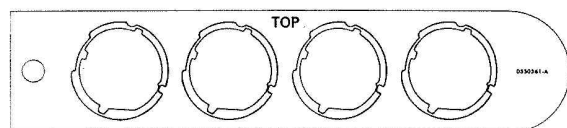
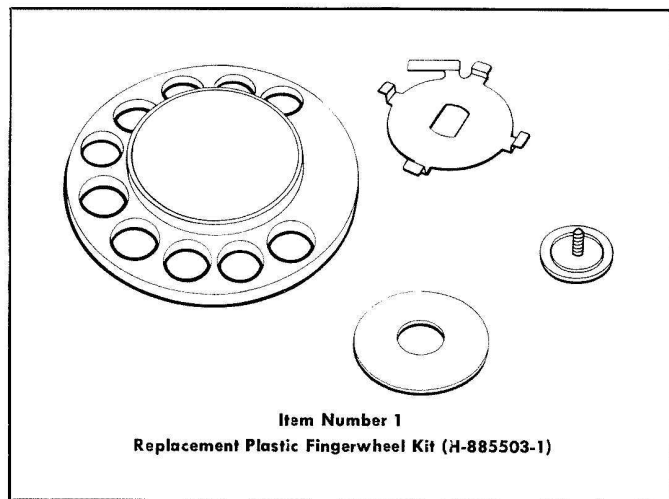
²See Table B, Page P-53 for color suffix.

³Black metal finger plate only.

⁴Clear plastic finger plate only.

Dial Front Parts

For Type 54, 54A and 54B Dials



Item Number	Description	Amt. Reqd.	Order No.
1	Fingerwheel Replacement Kit ¹	1	H-885503-1
2	Dial Card Strip (4 per Strip) ²	1	D-530361-A
3	Finger Stop	1	D-33128-A
4	Finger Stop Screw	1	D-760878-A
5	Number Plate: (ABC) (1-0)	1	D-530317-A D-530327-A

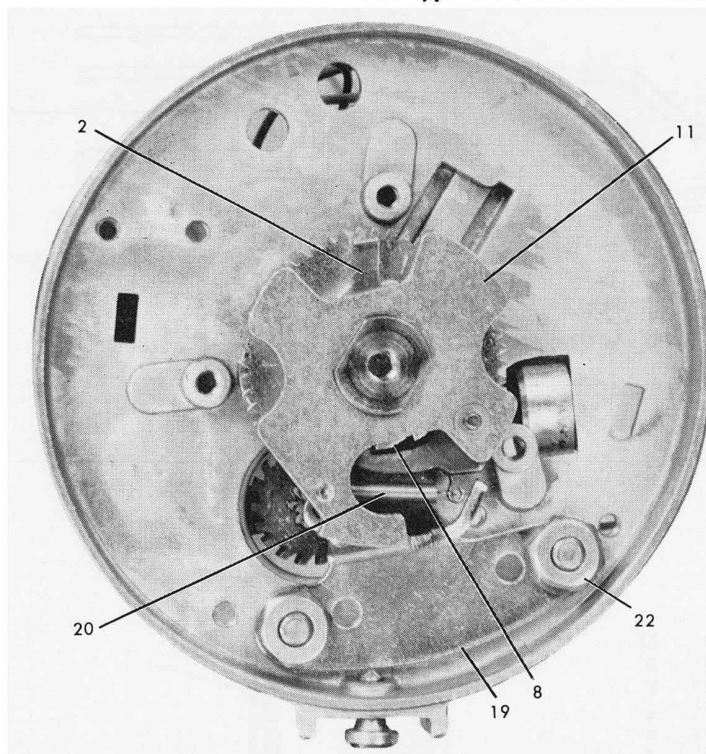
Item Number	Description	Amt. Reqd.	Order No.
6	Number Plate Screw	3	D-760767-A
7	Lamp Electro Luminescent	1	D-94101-A
8	Insulator	1	D-440370-A
9	One Conductor Cord Assembly	2	D-543350-A

NOTES: ¹Kit No. H-885503-1 will be shipped in place of plastic fingerwheel No. D-780697-A. If desired, metal fingerwheels D-780649-A can also be replaced with the kit.

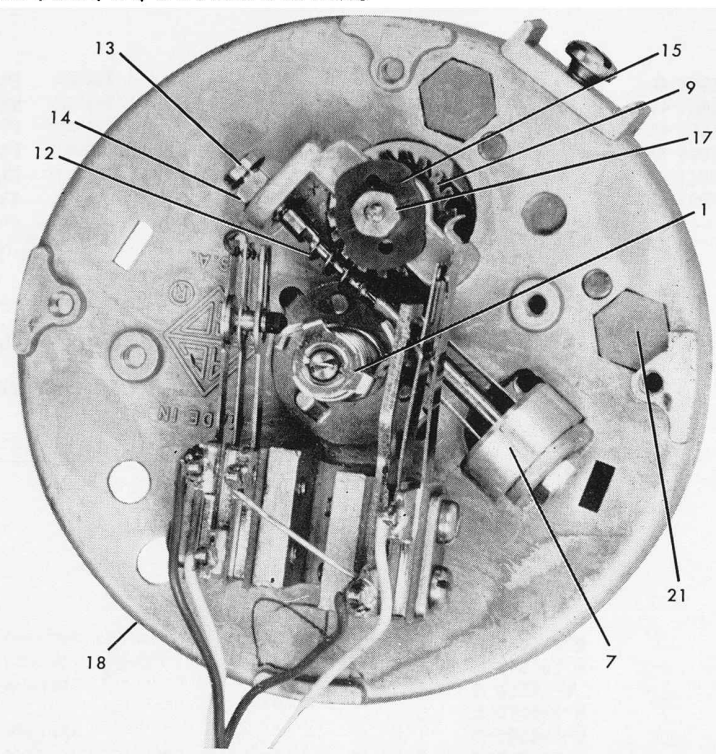
²Dial card strips are double-perforated to fit both the metal fingerwheels and the new all plastic fingerwheel.

Common Parts

For Type 51A, 51A SATT A and B, 52, 53A, 53B, 54, 54A and 54B Dials



Front View



Rear View

Item Number	Description	Amt. Reqd.	Order No.
1	Main Spring Assembly: Type 51A and SATT.....	1	D-109752-A
	Type 52 and 54.....	1	D-109112-A
2	Pawl Lever Silencer.....	1	D-16356-A
3	Washer Worm Wheel.....	1	D-17138-A
4	Lower Thrust Washer.....	1	D-17219-A
5	Lockwasher, Impulse Cam.....	1	D-17530-A
6	Washer, Silencer.....	1	D-17592-A
7	Governor Cup Assembly.....	1	D-2791-A
8	Ratchet Gear.....	1	D-4373-A
9	Worm Gear Assembly.....	1	D-43042-A
10	Washer, Fibre.....	1	D-440297-A

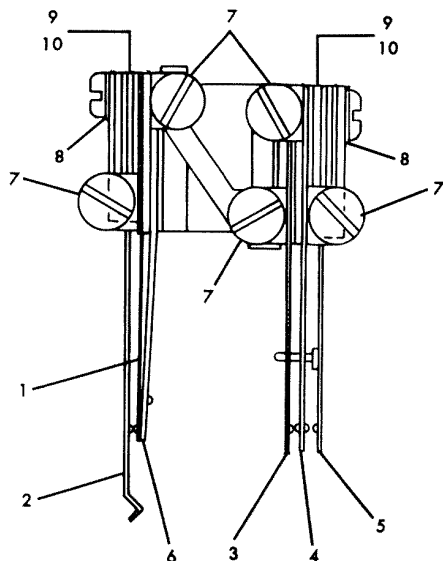
Item Number	Description	Amt. Reqd.	Order No.
11	Shaft Assembly: Type 52 and 54.....	1	D-46192-AR
	Type 51A and SATT.....	1	D-46608-AR
12	Governor Worm Assembly.....	1	D-64057-A
13	Governor Bearing Screw.....	1	D-76313-A
14	Governor Bearing Nut.....	1	D-77041-A
15	Impulse Cam.....	1	D-83004-A
16	Impulse Cam Hub.....	1	D-82102-A
17	Impulse Cam Locknut.....	1	D-77333-A
18	Dial Base Assembly.....	1	D-780688-A
19	Bearing & Stop Bracket.....	1	D-731513-A
20	Pawl Spring.....	1	D-109110-A

Item Number	Description	Amt. Reqd.	Order No.
21	Screw, Bearing and Stop Bracket.....	2	D-760878-A
22	Bearing and Stop Bracket Hex Nut.....	2	D-77408-A
23	Spotter Cam: SATT A, Party 1+5.....	1	D-83104-A
	SATT A, Party 2.....		D-83103-A
	SATT A, Party 3.....		D-83102-A
	SATT A, Party 4.....		D-83107-A
	SATT B.....		D-83104-A
24	Spotter Cam Indicator: SATT B.....	1	D-530193-A
	SATT A.....		D-530193-B
25	Spotter Cam Nut.....	1	D-77124-D

NOTES: 1Not shown.

Spring Combination

For Type 51A, 52 and 54 Dials

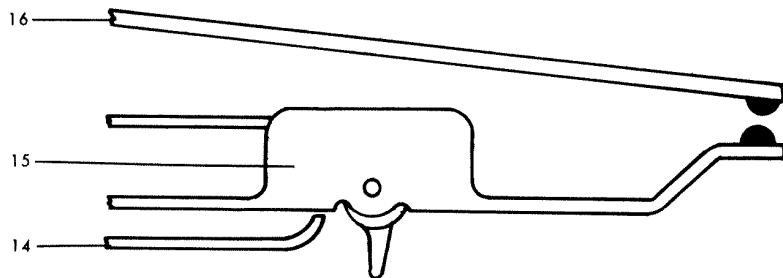


Item Number	Description	Amt. Reqd.	Order No.
1	Spring	1	D-103777-A
2	Spring	1	D-103778-A
3	Spring	1	D-103775-A
4	Spring	1	D-103774-A
5	Spring	1	D-103772-A
6	Stop Spring Assembly	1	D-109942-A
7	Terminal	5	D-150214-A
8	Double Hole Washer	2	D-17217-A
9	Double Hole Insulator (Thick)	5	D-440292-A
10	Double Hole Insulator (Thin)	2	D-440292-B

Spotter Spring Combination

For Type 51A SATT A and B, 53A, 53B, 54A and 54B Dials

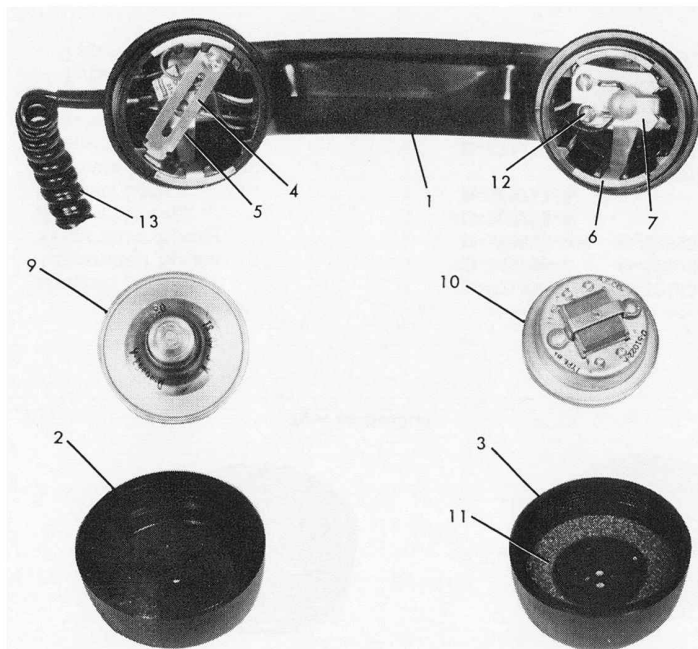
NOTE: In addition to the above Spring Combination parts, the following parts are used for Spotter Spring Combination.



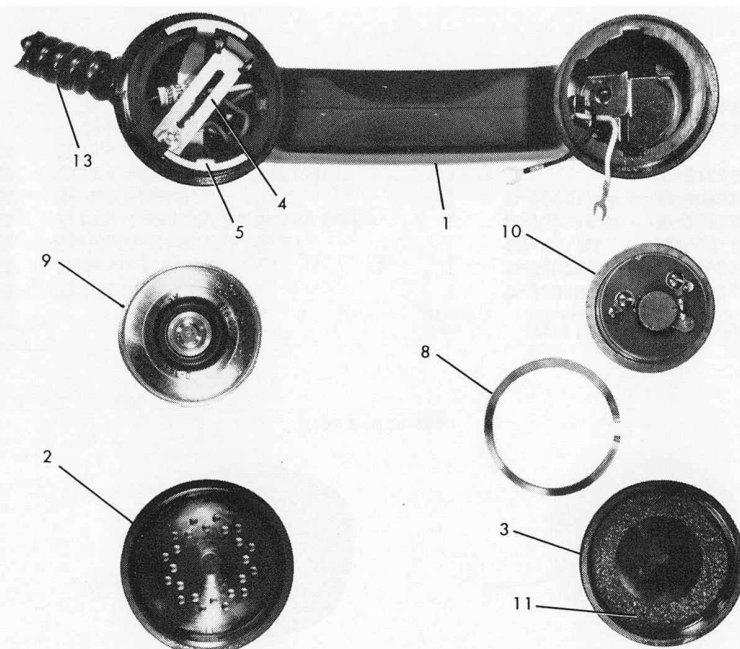
Item Number	Description	Amt. Reqd.	Order No.
11	Terminal ¹	1	D-150214-A
12	Double Hole Washer ¹	1	D-17216-B
13	Double Hole Insulator ¹ (Thick)	3	D-440292-A
14	Spring	1	D-109700-A
15	Spring	1	D-109753-A
16	Spring	1	D-109789-A

NOTES: ¹Not shown.

Type 81 and 810 Handsets



Type 81 Handset



Type 810 Handset

Item Num- ber	Description	Amt. Reqd.	ORDER NO.	
			Type 81 Handset	Type 810 Handset
1	Handset Shell ^{1,2}	1	D-52146-	D-52146-
2	Transmitter Cap ¹	1	D-67442-	D-67442-
3	Receiver Cap ¹	1	D-67645	D-67645-
4	Transmitter Spring	1	D-109959-AR	D-109959-AR
5	Transmitter Spring	1	D-109756-A	D-109756-A
6	Receiver Spring	1	D-109757-A	
7	Receiver Spring	1	D-109795-A	

Item Num- ber	Description	Amt. Reqd.	ORDER NO.	
			Type 81 Handset	Type 810 Handset
8	Receiver Cushion Spring	1		D-109918-A
9	Transmitter Capsule	1	D-38363-A	D-38379-A
10	Receiver Capsule ³	1	D-51021-A	D-51024-A
11	Cork Gasket	1	D-67646-A	D-67646-A
12	Terminal Screw: Type 81	5	D-760919-B	
	Type 810	3		D-760919-A
13	Retractable Cord ¹	1	D-543145-	D-543145-

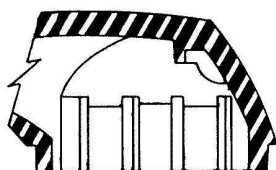


Figure 1

NOTES: ¹See Table B, Page P-53 for color suffix.

²When ordering handset shell for Type 810 handset, order D-52146-, if the receiver end of present shell has ribs extending out to edge (Figure 1). If receiver end of present shell has ribs which do not extend to the edge as shown in Figure 2, order D-523154-.

³On Type 810 handsets, if present receiver capsule is brass colored also order a receiver cushion spring and receiver cap listed above when ordering a replacement.

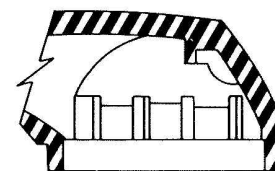
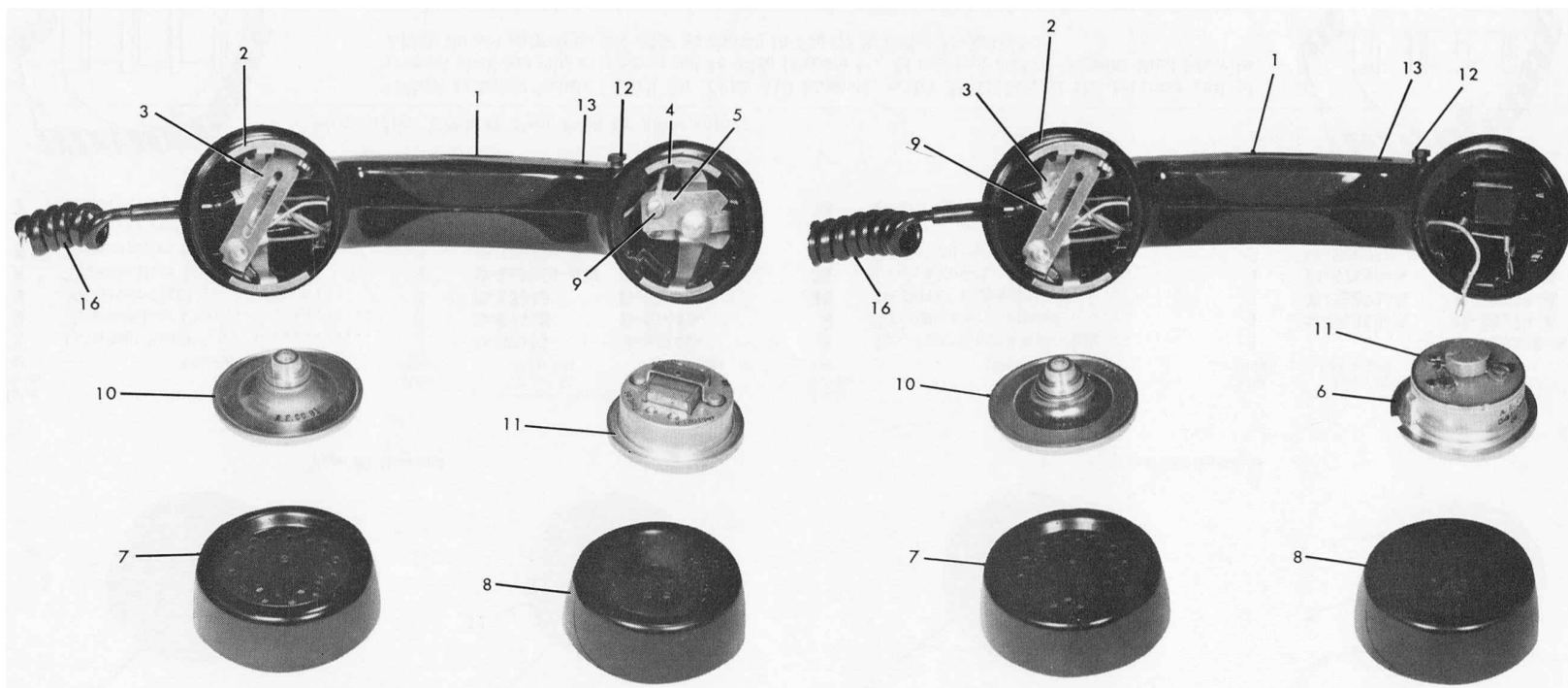


Figure 2

Type 84 and 840 Handsets



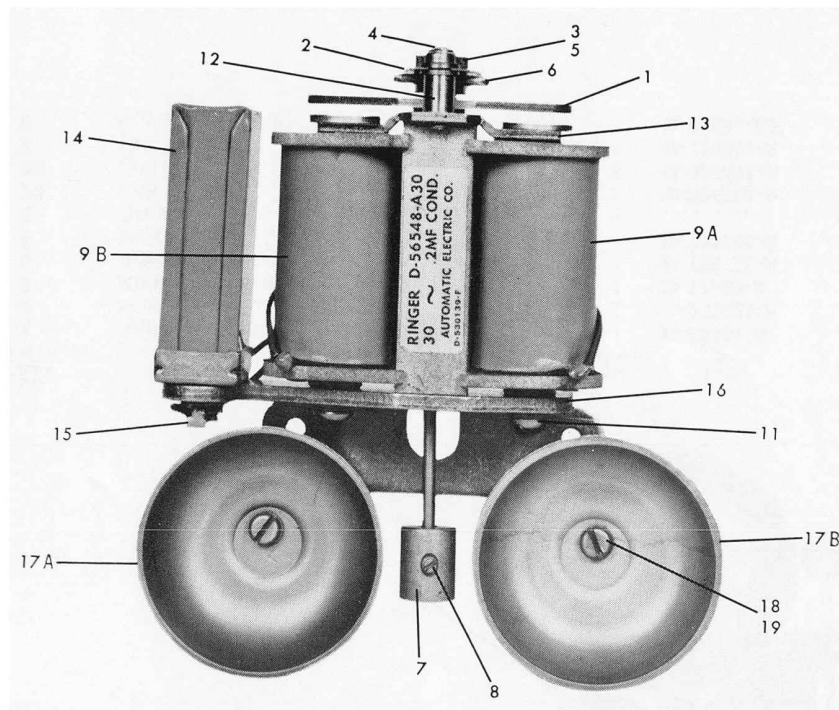
Type 84 Handset

Type 840 Handset

Item Num- ber	Description	Amt. Reqd.	ORDER No.	
			Type 84 Handset	Type 840 Handset
1	Handset Shell.....	1	D-52149-A	D-52149-
2	Transmitter Spring.....	1	D-109756-A	D-109756-A
3	Transmitter Spring.....	1	D-109959-AR	D-109959-AR
4	Receiver Spring.....	1	D-109795-A	
5	Receiver Spring.....	1	D-109757-A	
6	Receiver Cushion Spring.....	1		D-109918-A
7	Transmitter Cap.....	1	D-67442-A	D-67442-2
8	Receiver Cap.....	1	D-67645-A	D-67645-2
9	Terminal Screw:			
	Type 84.....	5	D-760919-A	
	Type 840.....	5		D-760919-A

Item Num- ber	Description	Amt. Reqd.	ORDER No.	
			Type 84 Handset	Type 840 Handset
10	Transmitter Capsule.....	1	D-38375-A	D-38386-A
11	Receiver Capsule.....	1	D-51021-A	D-51024-A
12	Spring Assembly (Switch).....	1	NP-21-A1	NP-21-A1
13	Spring Assembly Mounting Screw..	1	D-760938-A	D-760938-A
14	Switch Shield ¹	1	D-490013-A	D-490013-A
15	Cork Gasket ¹ (Type 840 only)	1		D-67646-A
16	Retractable Cord:			
	Type 80 and 90 Telephone.....	1	D-543145-A	D-543145-2
	Type 183 Telephone.....	1	D-543274-A	D-543342-2

NOTES: ¹Not shown.²See Table B, Page P-53 for color suffix.



Type 45 Frequency Ringer

Item Number	Description	Amt. Reqd.	Order No.
1	Clapper Assembly.....	1	D-56530-B
2	Reed.....	1	See Chart
3	Reed Nut.....	1	D-7734-A
4	Reed Screw.....	2	D-760645-A
5	Reed Washer.....	2	D-1772-A
6	Reed Knurled Nut.....	1	D-77360-A
7	Weight.....	1	See Chart
8	Clapper Weight Set Screw.....	1	D-7684-A
9A	Coil (Right).....	1	See Chart
9B	Coil (Left).....	1	See Chart
10	Heelpiece Spacer ¹ (On 60, 66, 66.6 Frequencies Only).....	1	D-65501-A
11	Coil Screw.....	2	D-760934-A
12	Post.....	2	D-36091-A
13	Yoke.....	1	D-67430-A
14	Capacitor.....	1	See Chart
15	Hex Nut, Capacitor.....	1	D-7700-A
16	Heelpiece.....	1	D-63196-A
17A	Gong (Light).....	1	D-56522-A
17B	Gong (Heavy).....	1	D-56523-A
18	Gong Screw.....	2	D-760646-A
19	Gong Lockwasher.....	2	D-17464-C

NOTES: ¹Not shown.

Reed, Weight, Coil, and Capacitor Order No. Chart

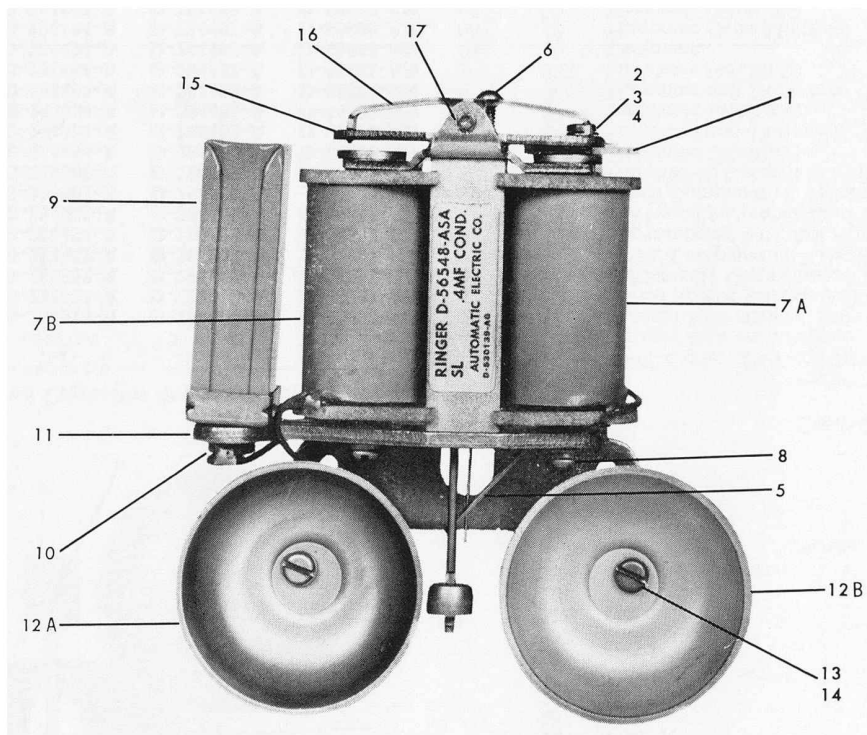
Frequency Suffix	(2) Reed	(7) Weight	ORDER NO. (9A) Right Coil	(9B) Left Coil	(14) Capacitor	Capacitor Mf.
AAC	D-10693-A	D-56525-B	D-284013-A	D-284014-A	D-68695-AR	.7
ASA			D-284494-A	D-284493-A	D-68693-AR	.4
AVA			D-284502-A	D-284501-A	D-68693-AR	.4
CVA			D-284502-A	D-284501-A		
ASL			D-284494-A	D-284493-A	D-68693-AR	.4
AVT			D-284502-A	D-284501-A	D-68693-AR	.4
CVT			D-284502-A	D-284501-A		
ACV			D-284500-A	D-284499-A	D-68695-AR	.7
A16	D-10740-B	D-56534-A	D-284494-A	D-284493-A	D-68695-AR	.7
A20	D-10740-B	D-56524-B	D-284494-A	D-284493-A	D-68695-AR	.7
A25	D-10740-A	D-56524-C	D-284494-A	D-284493-A	D-68692-AR	.3
A30	D-10740-A	D-56526-A	D-284494-A	D-284493-A	D-68691-AR	.2
A33	D-10740-A	D-56526-C	D-284494-A	D-284493-A	D-68691-AR	.2
A40	D-10740-A	D-56526-B	D-284494-A	D-284493-A	D-68690-AR	.08
A42	D-10740-A	D-56525-B	D-284494-A	D-284493-A	D-68690-AR	.08
A50	D-10740-A	D-56528-C	D-284494-A	D-284493-A	D-68690-AR	.08
A51	D-10740-A	D-56528-C	D-284494-A	D-284493-A	D-68690-AR	.08
A54	D-10693-A	D-56528-A	D-284494-A	D-284493-A	D-68690-AR	.08
A60	D-10693-A	D-56528-B	D-284498-A	D-284497-A	D-68690-AR	.08
A66	D-10693-B	D-56528-B	D-284498-A	D-284497-A	D-68690-AR	.08
A67	D-10693-B	D-56528-B	D-284498-A	D-284497-A	D-68690-AR	.08

P-47

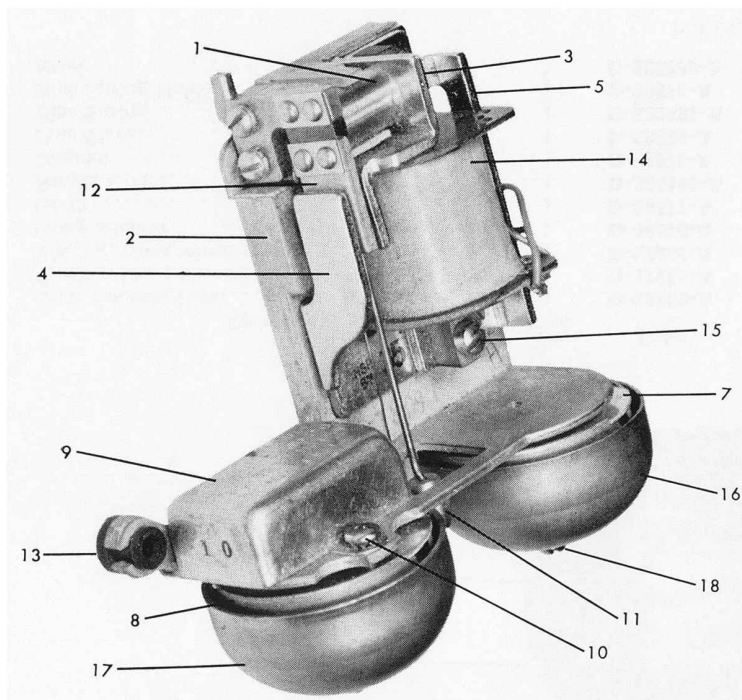
Complete Ringers

Frequency	Description	Order No.
AC	45-65 Cycles (50 Volts, 32A14 PAX).....	D-56548-AACR
SA	Straight Line with Adjusting Wheel.....	D-56548-ASAR
SL	Straight Line without Adjusting Wheel.....	D-56548-ASLR
VT	Superimposed without Adjusting Wheel: Manually Compensated Telephones.....	D-56548-AVTR
	Self-Compensated Telephones.....	D-56548-CVTR
VA	Superimposed with Adjusting Wheel: Manually Compensated Telephones.....	D-56548-AVAR
	Self-Compensated Telephones.....	D-56548-CVAR
CV	Untuned 60 Cycles 115 Volts.....	D-56548-ACVR
16.6	Harmonic (Multiple).....	D-56548-A16R
20	Harmonic and Decimonic (Non Multiple).....	D-56548-A20R
25	Harmonic (Multiple).....	D-56548-A25R
30	Harmonic and Decimonic (Non Multiple).....	D-56548-A30R
33.3	Harmonic (Multiple).....	D-56548-A33R
40	Decimonic.....	D-56548-A40R
42	Harmonic (Non Multiple).....	D-56548-A42R
50	Harmonic (Multiple).....	D-56548-A50R
50	Decimonic.....	D-56548-A51R
54	Harmonic (Non Multiple).....	D-56548-A54R
60	Decimonic.....	D-56548-A60R
66	Harmonic (Non Multiple).....	D-56548-A66R
66.6	Harmonic (Multiple).....	D-56548-A67R

Type 45 Straight Line Ringer



Item Num- ber	Description	Amt. Reqd.	Order No.	Item Num- ber	Description	Amt. Reqd.	Order No.
1	Adjusting Wheel.....	1	D-65494-A	10	Capacitor Hex Nut.....	1	D-7700-A
2	Shoulder Bushing.....	1	D-750221-A	11	Heelpiece.....	1	D-63196-A
3	Adjusting Wheel Spring Washer.....	1	D-17619-A	12A	Gong (Light).....	1	D-56522-A
4	Adjusting Wheel Screw.....	1	D-760731-A	12B	Gong (Heavy).....	1	D-56523-A
5	Bias Adjuster.....	1	D-109705-A	13	Gong Screw.....	2	D-760646-A
6	Armature Screw (4-40x $\frac{3}{16}$ " RHIMS).....	1		14	Gong Lockwasher.....	2	D-17464-C
7A	Coil (Right).....	1	D-284494-A	15	Armature Assembly.....	1	D-56521-A
7B	Coil (Left).....	1	D-284493-A	16	Armature Adjusting Plate.....	1	D-780544-A
8	Coil Screw.....	2	D-760934-A	17	Yoke.....	1	D-67427-A
9	Capacitor (.4 MF).....	1	D-68693-AR				



Ringer for Type 86 and 87 Telephones

Item Number	Description	Amt. Reqd.	Order No.
1	Magnet	1	D-56579-A
2	Ringer Base	1	NL-13721-A
3	Inner Pole	1	NL-13750-A
4	Outer Pole	1	NL-13751-A
5	Pole Tie Assembly ("Y" Suffix Ringers)	1	NL-14631-A
6	Pole Tie Assembly ("A" Suffix Ringers)	1	NL-15758-A
7	Resonator Assembly	1	NL-15724-A
8	Resonator Assembly	1	NL-15755-A
9	Capacitor	1	See Chart
10	Screw, Capacitor (6-32x $\frac{1}{8}$ " BDG HIMS)	1	
11	Weight	1	See Chart
12	Armature Assembly	1	See Chart
13	Grommet	2	D-67431-K10
14	Coil Assembly	1	NL-13753-A
15	Screw, Coil Assembly (6-32x $\frac{3}{4}$ " FIL HIMS)	2	
16	Gong, Light	1	NL-13725-A
17	Gong, Heavy	1	NL-13726-A
18	Screw, Gong Mounting	2	D-760963-A

NOTES: 'Not shown.

Ringer, Ringer Capacitor, Weight, and Armature Assembly Chart

Frequency	Ringer Description	Ringer ¹		For "A" Suffix Ringer		For "Y" Suffix Ringer		Weight	Armature Assembly
		"A" Suffix	"Y" Suffix						
...	Straight Line or Superimposed	D-56560-ASLR	D-56560-YSLR	NL-14702-G	NL-14702-G				NL-13722-A
16.6	Harmonic (Multiple)	D-56560-A16R	D-56560-Y16R	NL-14702-B	NL-14702-B			NL-14778-A	NL-14760-A
20	Harmonic and Decimonic (Non-Multiple)	D-56560-A20R	D-56560-Y20R	NL-14702-B	NL-14702-B			NL-13152-A	NL-13728-A
25	Harmonic (Multiple)	D-56560-A25R	D-56560-Y25R	NL-14702-C	NL-14702-B			NL-14778-A ²	NL-14761-A
30	Harmonic and Decimonic (Non-Multiple)	D-56560-A30R	D-56560-Y30R	NL-14702-C	NL-14702-B			NL-13150-A ²	NL-14761-A
33.3	Harmonic (Multiple)	D-56560-A33R	D-56560-Y33R	NL-14702-C	NL-14702-B			NL-14718-A ²	NL-14761-A
40	Decimonic	D-56560-A40R	D-56560-Y40R	NL-14702-D	NL-14702-G			NL-14723-A	NL-17761-A
42	Harmonic (Non-Multiple)	D-56560-A42R	D-56560-Y42R	NL-14702-D	NL-14702-G			NL-14723-A	NL-14761-A
50	Decimonic	D-56560-A50R	D-56560-Y50R	NL-14702-E	NL-14702-E			NL-13147-A ²	NL-14761-A
54	Harmonic (Non-Multiple)	D-56560-A54R	D-56560-Y54R	NL-14702-E	NL-14702-E			NL-14782-A	NL-14761-A
60	Decimonic	D-56560-A60R	D-56560-Y60R	NL-14702-F	NL-14702-F			NL-15740-A	NL-14761-A
66	Harmonic (Non-Multiple)	A-56560-A66R	D-56560-Y66R	NL-14702-F	NL-14702-F			NL-14715-A ²	NL-14727-A
66.6	Harmonic (Multiple)	D-56560-A67R	D-56560-Y67R	NL-14702-F	NL-14702-F			NL-14715-A	NL-14727-A

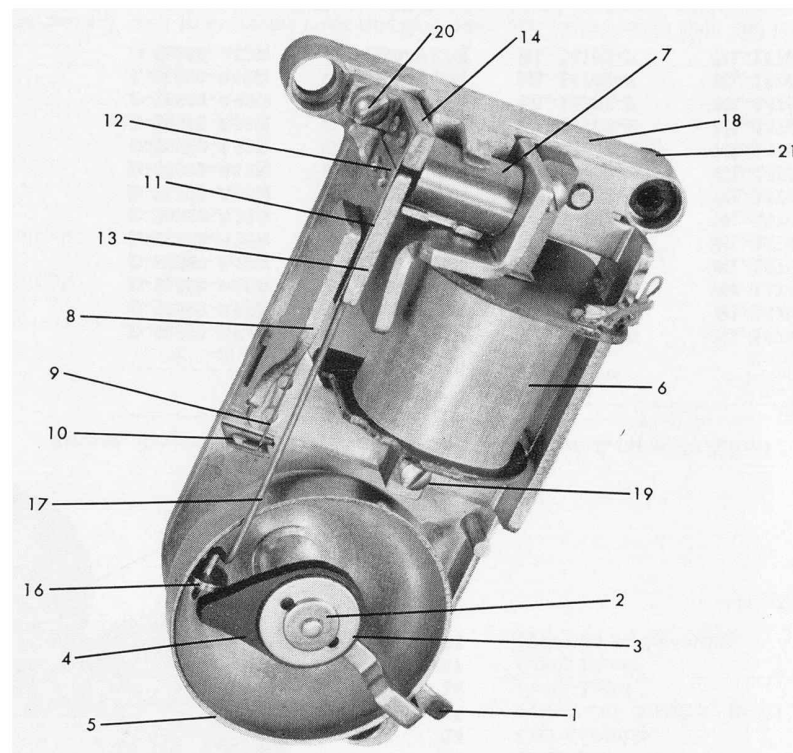
NOTES: ¹First Suffix Y used to overcome cross ring difficulties and allows use of high and low impedance ringers on the same line. Assemblies are considered standard for normal applications.

²The following weights may be used in lieu of those specified above for the indicated frequencies, to obtain the proper operational results:

Frequency	66	50	30	33.3	25
Weight Order No.	NL-13145-A	NL-13148-A	NL-13151-A	NL-13151-A	NL-15743-A

Single Gong, Single Coil Ringer

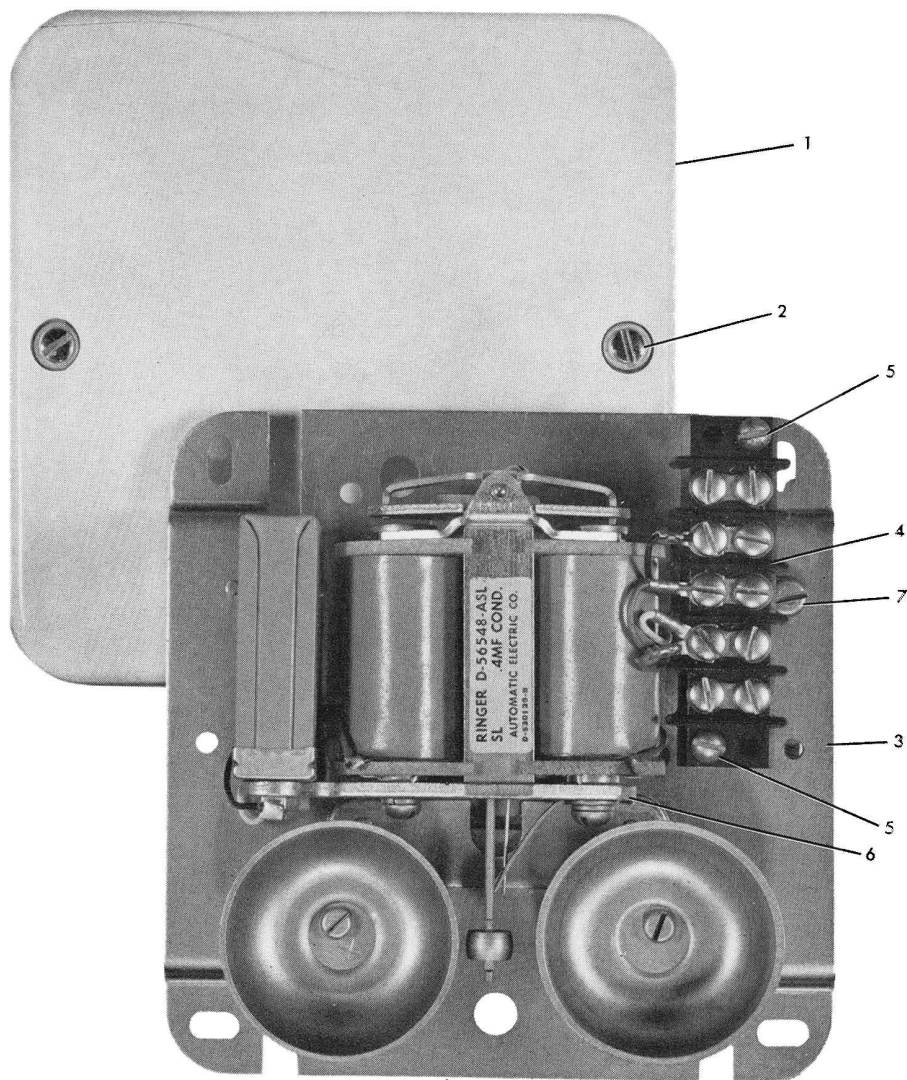
For Type 860A Telephone



Item Number	Description	Amt. Reqd.	Order No.	Item Number	Description	Amt. Reqd.	Order No.
1	Gong Silencer Lever.....	1	D-16389-A	12	Reed Deflection Spring.....	1	D-109889-A
2	Washer, Gong Silencer.....	1	D-17664-A	13	Armature.....	1	D-71654-A
3	Washer, Gong Silencer.....	1	D-17665-A	14	Armature Mounting Bracket.....	1	D-731766-A
4	Gong Silencer.....	1	D-56576-A	15	Armature Bumper ¹	1	D-67431-C12
5	Gong.....	1	D-56577-A	16	Clapper.....	1	D-56575-A
6	Ringer Coil.....	1	D-284445-A	17	Clapper Rod.....	1	D-56578-A
7	Magnet.....	1	D-56579-A	18	Base.....	1	D-780812-A
8	Pole Piece.....	1	D-63534-A	19	Screw, Ringer Coil (6-32x $\frac{3}{4}$ " FIL HIMS).....	2	.....
9	Bias Spring.....	1	D-109891-A	20	Screw, Armature Mounting Bracket (6-32x $\frac{7}{16}$ " RHIMS).....	1	.....
10	Bias Spring Holder.....	1	D-56574-A	21	Grommet.....	3	D-67431-K10
11	Reed.....	1	D-109890-A				

NOTES: ¹Not shown.

Type 33 Ringer Box



Item Num- ber	Description	Amt. Reqd.	Order No.
1	Cover Assembly ²	1	D-490099-
2	Cover Screw.....	2	D-760773-A
3	Base Plate Assembly.....	1	D-780832-A
4	Terminal Block.....	1	D-150024-A2
5	Terminal Block Mounting Screw.....	2	D-760733-A
6	Ringer Assembly ³	1	See Page 47
7	Ringer and Line Cord Clamp Mounting Screw.....	4	D-760735-A
8	Cold Cathode Tube ¹ (Superimposed Ringing).....	1	D-52144-A
9	Cold Cathode Tube Mounting Screw ¹ ..	1	D-760887-A

NOTES: ¹Not shown.

²See Table B, Page P-53 for color suffix.

³See Complete Ringers on Page P-47.

A detailed black and white photograph of a vacuum tube electronic circuit, likely a radio receiver. The circuit is built on a metal chassis and includes three vacuum tubes (labeled 3), a power transformer (1), a large electrolytic capacitor (5), and various resistors (4, 6, 7, 8, 9, 10, 11, 12). Wires connect the components, and a speaker is attached to the bottom. The components are labeled with numbers 1 through 12.

Item Number	Description	Amt. Req'd.	Order No.	Item Number	Description	Amt. Req'd.	Order No.
1	Buzzer.....	1	H-870756-2	8	Capacitor.....	1	D-68744-CP
2	Buzzer Mounting Bracket.....	1	D-731640-A	9	Resistor.....	3	D-284080-A22
3	Tube.....	3	FD-1052-CG	10	Buzzer Mounting Bracket.....	1	D-731808-A
4	Tube Socket.....	3	FD-1004-BL	11	Mounting Bracket.....	1	D-731809-A
5	Capacitor.....	1	D-68741-CU	12	Terminal Strip.....	1	D-150005-G
6	Capacitor.....	1	D-68744-CS	13	Resistor ¹	1	D-284081-A22
7	Resistor.....	1	D-284081-B19	14	Grommet, Buzzer Mounting Bracket ¹	1	D-67431-A11

NOTES: ¹Not shown.

Table A—Dial Ordering Information

Type Tele- phone	ORDER NO.			
	1-0 Dial	ABC Dial	SATT A Dial	SATT B Dial
80	D-84900 ^{-1,6}	D-84901 ^{-1,6}	D-84915 ^{-2,6}	D-84916 ^{-4,6}
80T	D-84900 ^{-1,6}	D-84901 ^{-1,6}	D-84915 ^{-2,6}	D-84916 ^{-4,6}
85	D-84900 ^{-1,6}	D-84901 ^{-1,6}	.....	.....
86	D-84900 ^{-1,6}	D-84901 ^{-1,6}	.....	.....
87	D-84900 ^{-1,6}	D-84901 ^{-1,6}	.....	.....
90	D-84900 ^{-1,6}	D-84901 ^{-1,6}	D-84915 ^{-2,6}	D-84916 ^{-4,6}
90M	D-84900 ^{-1,6}	D-84901 ^{-1,6}	D-84915 ^{-2,6}	D-84916 ^{-4,6}
182	D-84942-A	D-84935-A	D-84936-A ³	D-84937-A ⁵
183	D-84820-K	D-84821-K	D-84885-E ³	D-84887-E ⁵
860A	.....	D-84821-J	.....	.....
880	D-84863-D	D-84864-D	D-84885-E ³	D-84887-E ⁵
40	D-84820-C	D-84821-C	D-84885-E ³	D-84887-E ⁵
44	D-84820-C	D-84821-C	D-84885-E ³	D-84887-E ⁵
47	D-84820-C	D-84821-C	.....	.....
50	D-84820-C	D-84821-C	D-84885-E ³	D-84887-E ⁵
83	D-84820-C	D-84821-C	D-84885-E ³	D-84887-E ⁵
82	.....	D-84921 ⁻¹	.....	.....
800	.....	D-84870-C	.....	.....
L-965	.....	H-880480-2	.....	.....
*L-975	D-84820-C	D-84821-C	.....	.....
88	D-84912 ⁻¹	D-84913 ⁻¹	D-84915 ^{-2,6}	D-84916 ^{-4,6}
88T	D-84912 ⁻¹	D-84913 ⁻¹	D-84915 ^{-2,6}	D-84916 ^{-4,6}

NOTES: ¹Apply color suffix from color suffix Table B.

²Apply color suffix from color suffix Table B followed by a lobe position suffix from the cam adjustment table (Table C) for SATT A dials.

³Apply lobe position suffix from cam adjustment table (Table C) for SATT A dials.

⁴Apply color suffix from color suffix Table B followed by a lobe position suffix from the cam adjustment table (Table D) for SATT B dials.

⁵Apply lobe position suffix from cam adjustment table (Table D) for SATT B dials.

⁶An additional suffix "S" will provide a dial with screw terminals rather than wire wrap.

*Outdoor Telephone.

Table B—Color Suffix

Suffix	Color
A	Black
B	Sand Beige
C	Dawn Gray
D	Jade Green
E	Classic Ivory
F	Garnet Red
G	Turquoise
J	Sunlight Yellow
K	Forget-me-not Blue
L	Camellia Pink
M	Gardenia White

Table C—Cam Adjustment, SATT A Dial

Suffix	Lobe Position (s)	Party
1	1	1
2	1 & 2	2
3	1, 2 & 3	3
4	1 & 3	4
5	3	5

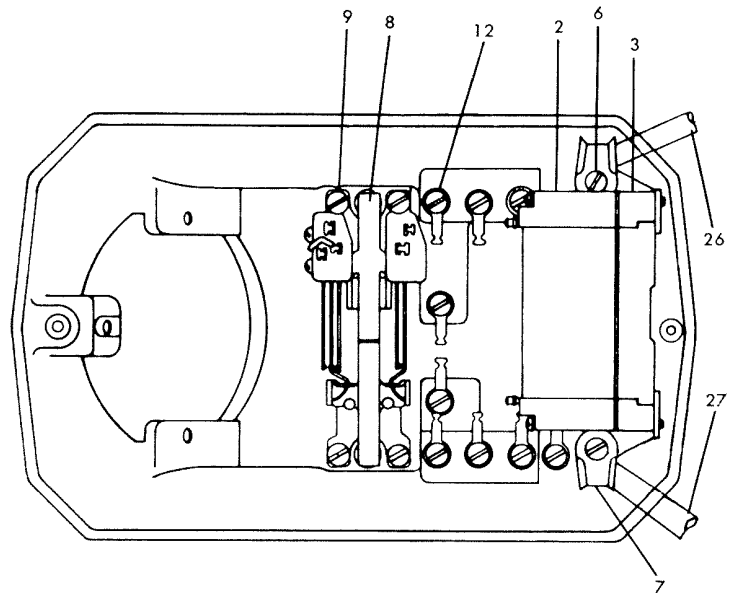
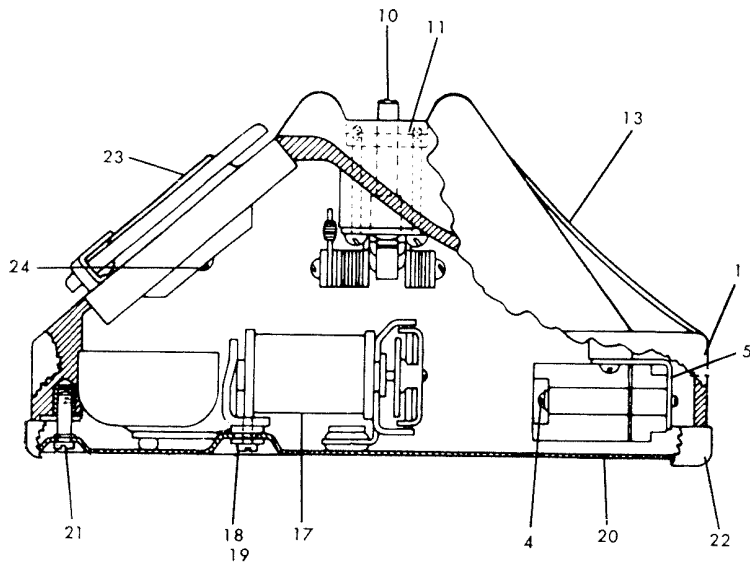
Table D—Cam Adjustment, SATT B Dial

Suffix	Lobe Position	Party
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
0	10	10

GROUP III—Replacement Parts for Discontinued Telephones and Apparatus

The manufacture of the telephones listed in this section has been discontinued, however many of the parts were still available from stock at the time of printing. Parts will be available until the stock has been depleted. Automatic Electric Company Engineering Department will advise feasibility of parts substitution for items not available.

Type 40 Desk Telephone



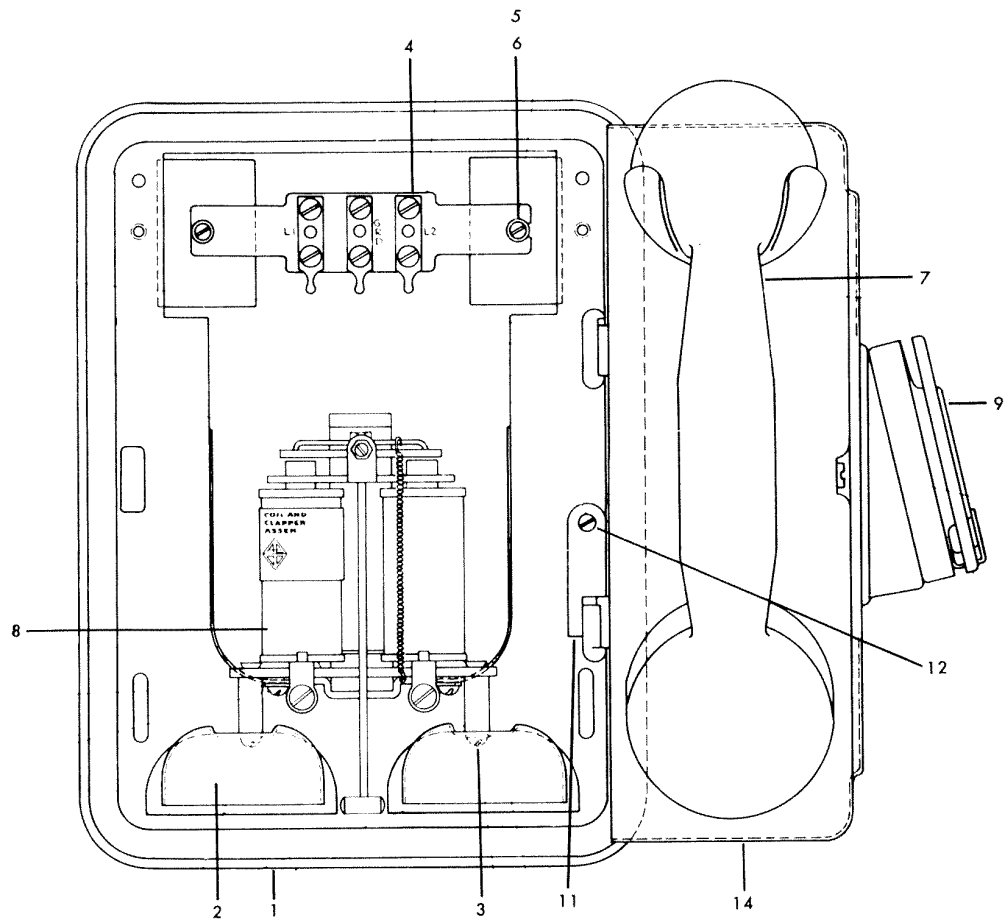
Item Num- ber	Description	Amt. Reqd.	Order No. Disc.
1	Cover Assembly.....	1	
2	Induction Coil:		
	Standard.....	1	D-282996-AR
	Super Volume.....		D-282805-AR
	Local Battery.....		D-282963-A
3	Armature Lamination Frame (Keeper).....	1	D-30174-A
4	Induction Coil Screws (5-40x1 $\frac{1}{16}$ " RHIMS).....	2	
5	Induction Coil Mounting Bracket.....	1	D-730987-A
6	Induction Coil Mounting Bracket Screws (6-32x $\frac{5}{16}$ " RHIMS).....	2	
7	Cord Clip.....	2	D-542637-B
8	Spring Combination—Hookswitch.....	1	D-735244-A
9	Spring Combination Mounting Screws (5-40x1 $\frac{3}{16}$ " RHIMS).....	4	
10	Plunger.....	2	D-67313-A
11	Hooklatch Assembly.....	1	Disc.
12	Terminal Screws.....	9	D-76279-A
13	Base, Only (Black).....	1	D-47945-AR
14	Capacitor .4 Mf ¹	1	D-68262-A
15	Capacitor Bracket Holder ¹ (Ringer).....	1	D-731405-A
16	Capacitor Mounting Screw ¹ (6-32x $\frac{3}{16}$ " RHIMS).....	4	
17	Ringer Assembly ³	1	See Table A
18	Ringer Mounting Screw.....	2	D-760708-A
19	Ringer Bushing.....	2	D-750009-A
20	Base Plate.....	1	D-780093-B
21	Base Plate Screw.....	2	D-760069-A
22	Rubber Cushion.....	1	D-67251-A
23	Dial Assembly ² :		
	Type 51A (1-0).....	1	D-84820-C
	Type 51A (ABC).....		D-84821-C
	Type 51A (SATT A).....		D-84885-E
	Type 51A (SATT B).....		D-84887-E
24	Dial Assembly Mounting Screw (4-36x $\frac{3}{8}$ " RHIMS).....	3	
25	Dial Hole Cover Assembly ¹	1	D-49607-A
26	Handset and Cord Assembly.....	1	L-885-FO
27	Line Cord.....	1	CD-600072

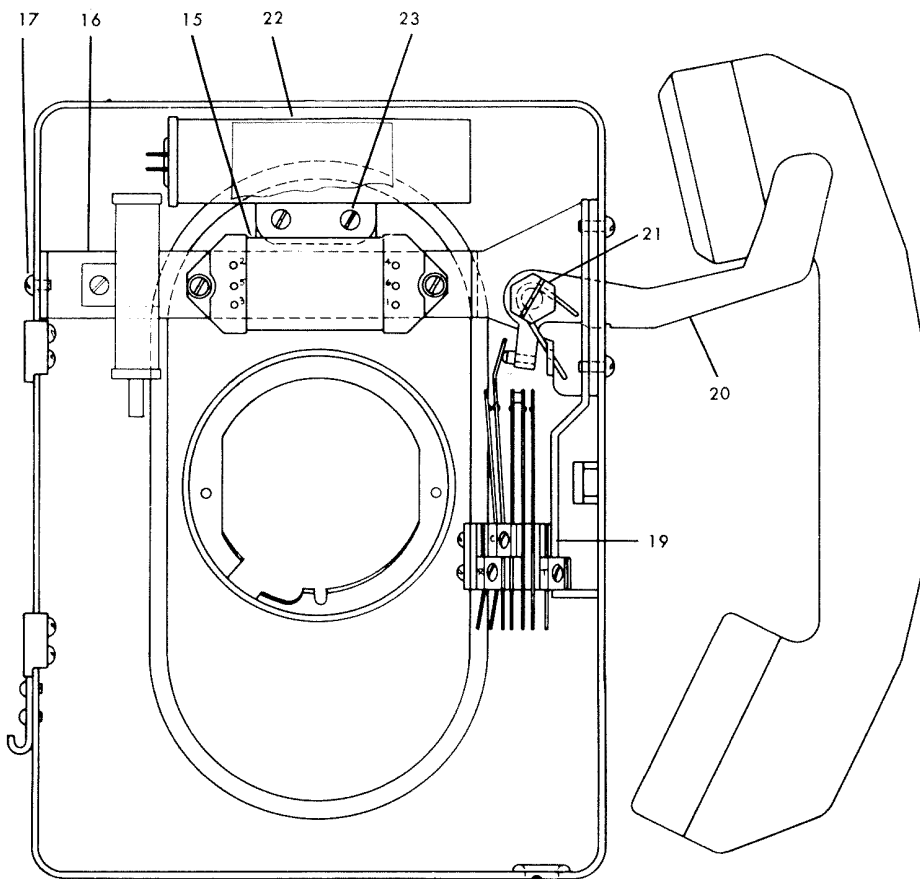
NOTES: ¹Not shown.

²See Dial Ordering Information, Group II.

³See Table A, Page P-80 for Ringer Ordering Information.

Type 44 Telephone



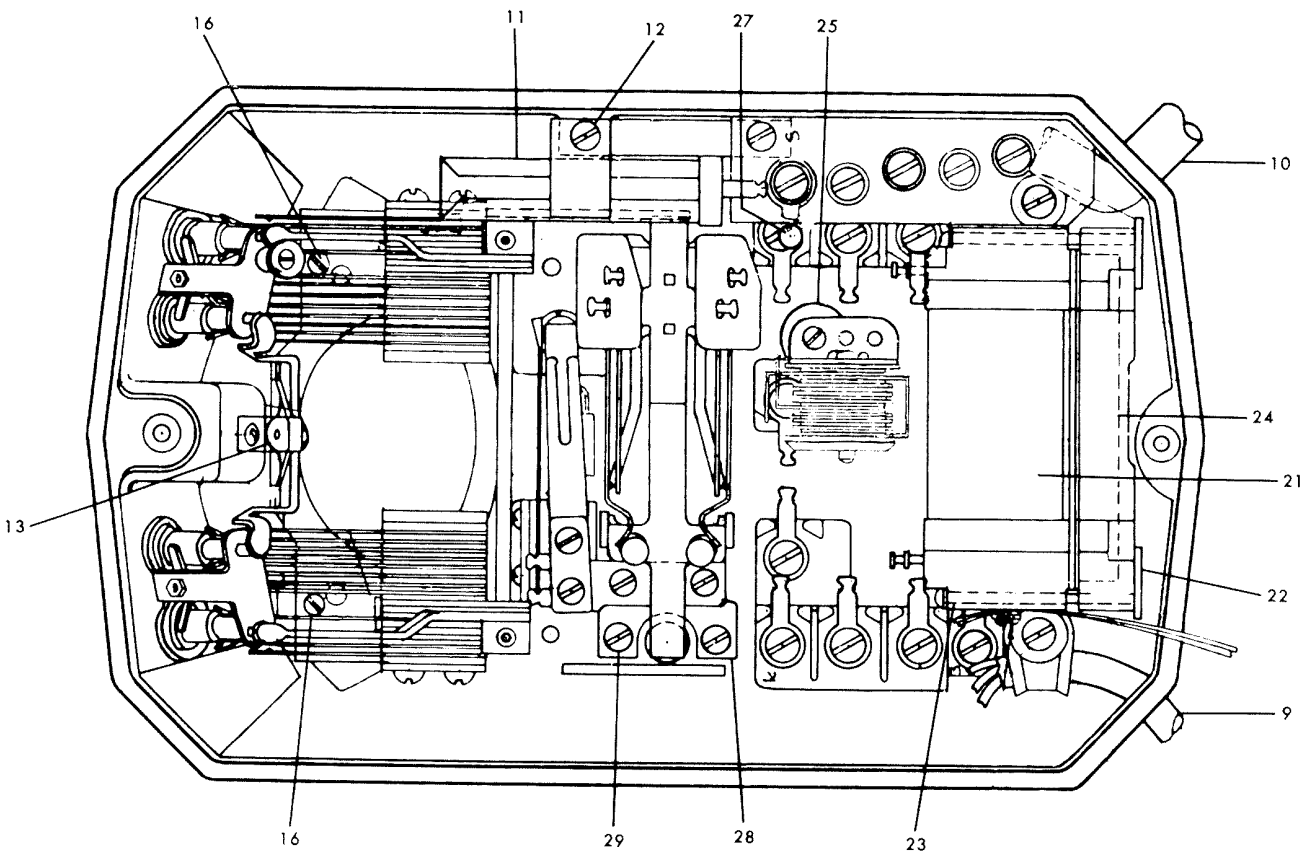


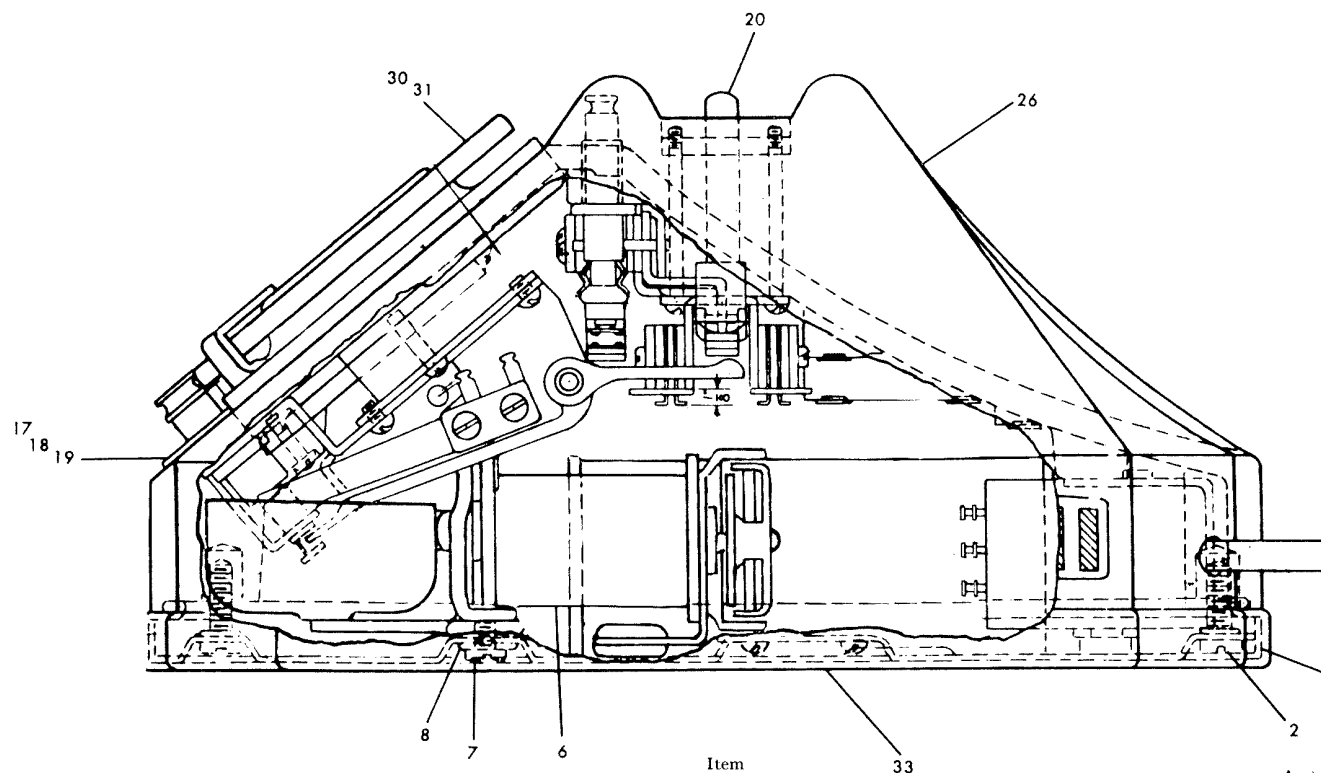
Item Num- ber	Description	Amt. Reqd.	Order No.
1	Base.....	1	D-47425-A
2	Gongs.....	2	D-56328-A
3	Gong Mounting Screw (10-32x $\frac{3}{8}$ " RHIMS).....	2	
4	Terminal Strip.....	1	D-15645-A
5	Terminal Strip Mounting Screw (5-40x $\frac{3}{16}$ " RHIMS).....	2	
6	Hex Nut, Terminal Strip.....	2	D-77133-A
7	Handset and Cord Assembly.....	1	L-885-FO
8	Ringer (Straight Line).....	1	D-56329-A
9	Dial Assembly ² :		
	Type 51A (1-O).....	1	D-84820-C
	Type 51A (ABC).....		D-84821-C
	Type 51A (SATT A).....		D-84885-E
	Type 51A (SATT B).....		D-84887-E
10	Screw, Dial Mounting ¹	2	D-76838-A
11	Latch.....	1	D-5879-A
12	Latch Screw (8-32x $\frac{3}{16}$ " RHIMS).....	1	
13	Dial Hole Cover ¹	1	Disc.
14	Cover Assembly.....	1	Disc.
15	Induction Coil.....	1	D-282996-AR
16	Induction Coil and Capacitor Mounting Bracket.....	1	D-731182-A
17	Screw, Induction Coil and Capacitor Bracket.....	2	D-760196-C
18	Armature Assembly ¹	1	D-30174-A
19	Hook Spring and Bracket Assembly....	1	D-731355-A
20	Monophone Hook.....	1	D-62124-A
21	Hook Bearing Screw.....	1	D-760217-A
22	Capacitor Assembly.....	1	D-68640-AR
23	Screw, Capacitor Mounting (6-32x $\frac{3}{16}$ " RHIMS).....	2	
24	Hooklatch ¹	1	D-58060-A
25	Shoulder Screw Hooklatch ¹	1	D-760592-A

NOTES: ¹Not shown.

²See Dial Ordering Information, Group II.

Type 47 Telephone



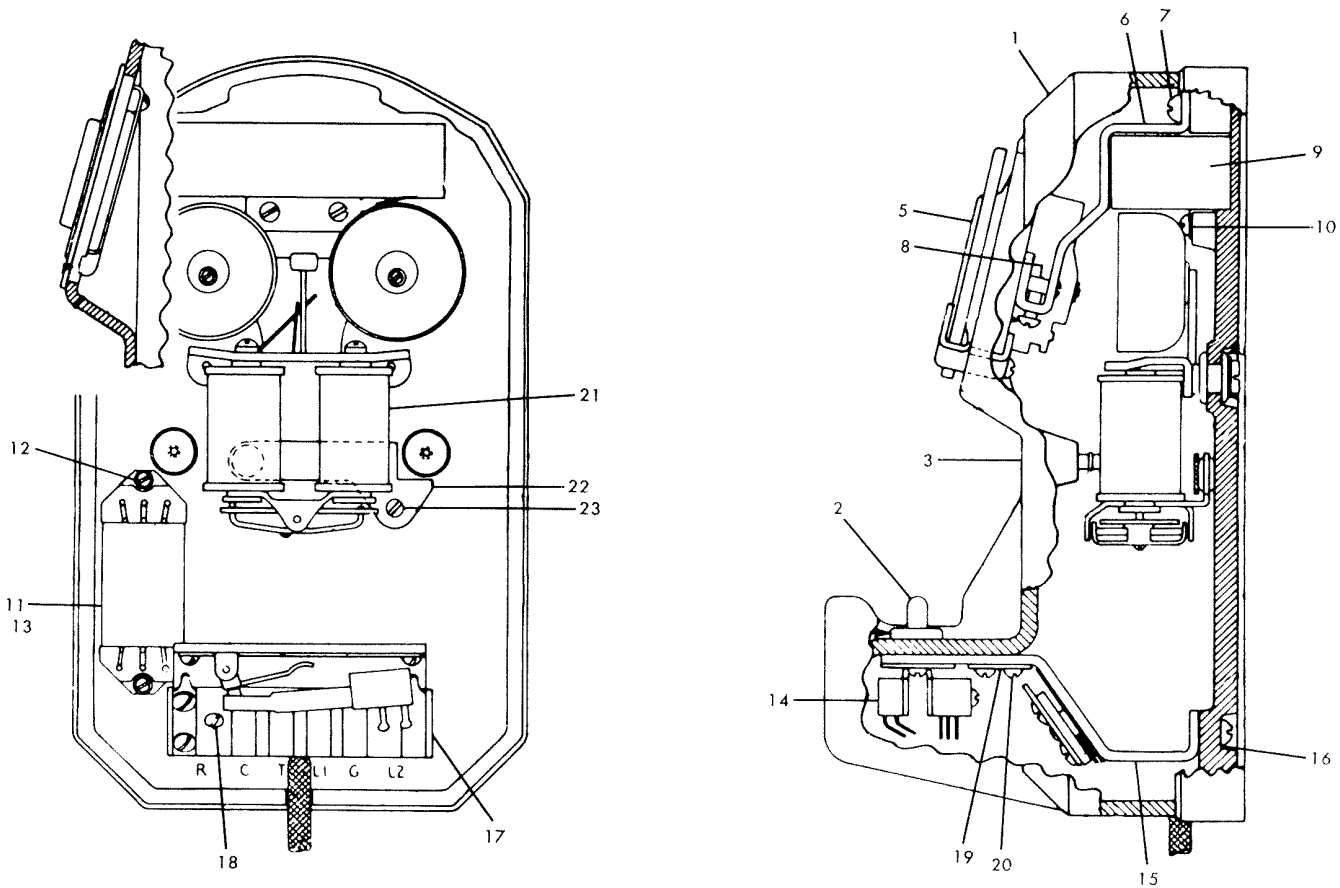


Item Number	Description	Amt. Req'd.	Order No.
1	Base Plate	1	D-780093-B
2	Screw, Base Plate	2	D-760069-A
3	Capacitor, Transmission ¹ (5 Mf)	1	D-68258-C
4	Capacitor Mounting Bracket ¹	1	D-731405-A
5	Capacitor Mounting Bracket Screw ¹ (6-32x ³ / ₈ " RHIMS)	2	
6	Ringer Assembly (Straight Line)	1	D-56515-A
7	Ringer Assembly Mounting Screw	2	D-760708-A
8	Ringer Bushing	2	D-750009-A
9	Handset and Cord Assembly	1	L-885-FO
10	Desk Set Cord	1	D-543121-A
11	Capacitor, Ringer (4 Mf)	1	D-68262-A
12	Capacitor Mounting Screw (6-32x ¹ / ₈ " RHIMS)	1	
13	Key Spring and Bracket Assembly	1	D-735317-A
14	Adapter, Key Spring and Bracket Assembly ¹	2	D-731431-A
15	Screw, Bracket, Adapter Key Spring Assembly ¹ (4-36x ³ / ₈ " RHIMS)	2	
16	Screw, Key Spring Bracket Assembly (4-36x ³ / ₈ " RHIMS)	2	
17	Escutcheon	1	D-55596-A

Item Number	Description	Amt. Req'd.	Order No.
18	Escutcheon	1	D-55597-A
19	Screw Escutcheon	2	D-760356-B
20	Plunger: Black	1	D-67313-C
	Chrome	1	D-67313-A
21	Induction Coil	1	D-282996-AR
22	Mounting Bracket, Induction Coil	1	D-730987-A
23	Screw, Induction Coil (5-40x ¹ / ₈ " RHIMS)	2	
24	Armature Lamination	1	D-790457-A
25	Rectifier	1	D-35216-A
26	Base	1	D-47982-AR
27	Resistor 470 Ohms	1	D-284081-A9
28	Spring and Bracket Assembly	1	D-735302-A
29	Spring and Bracket Assembly Mounting Screws (5-40x ¹ / ₈ " RHIMS)	4	
30	Dial Assembly: (1-0)	1	D-84823-C
	(ABC)	1	D-84824-C
31	Dial Assembly Mounting Screws (4-36x ¹ / ₂ " RHIMS)	1	
32	Dial Hole Cover Assembly ¹	1	D-49607-A
33	Rubber Cushion	1	D-67251-A

NOTES: ¹Not shown.

Type 50 Wall Telephone



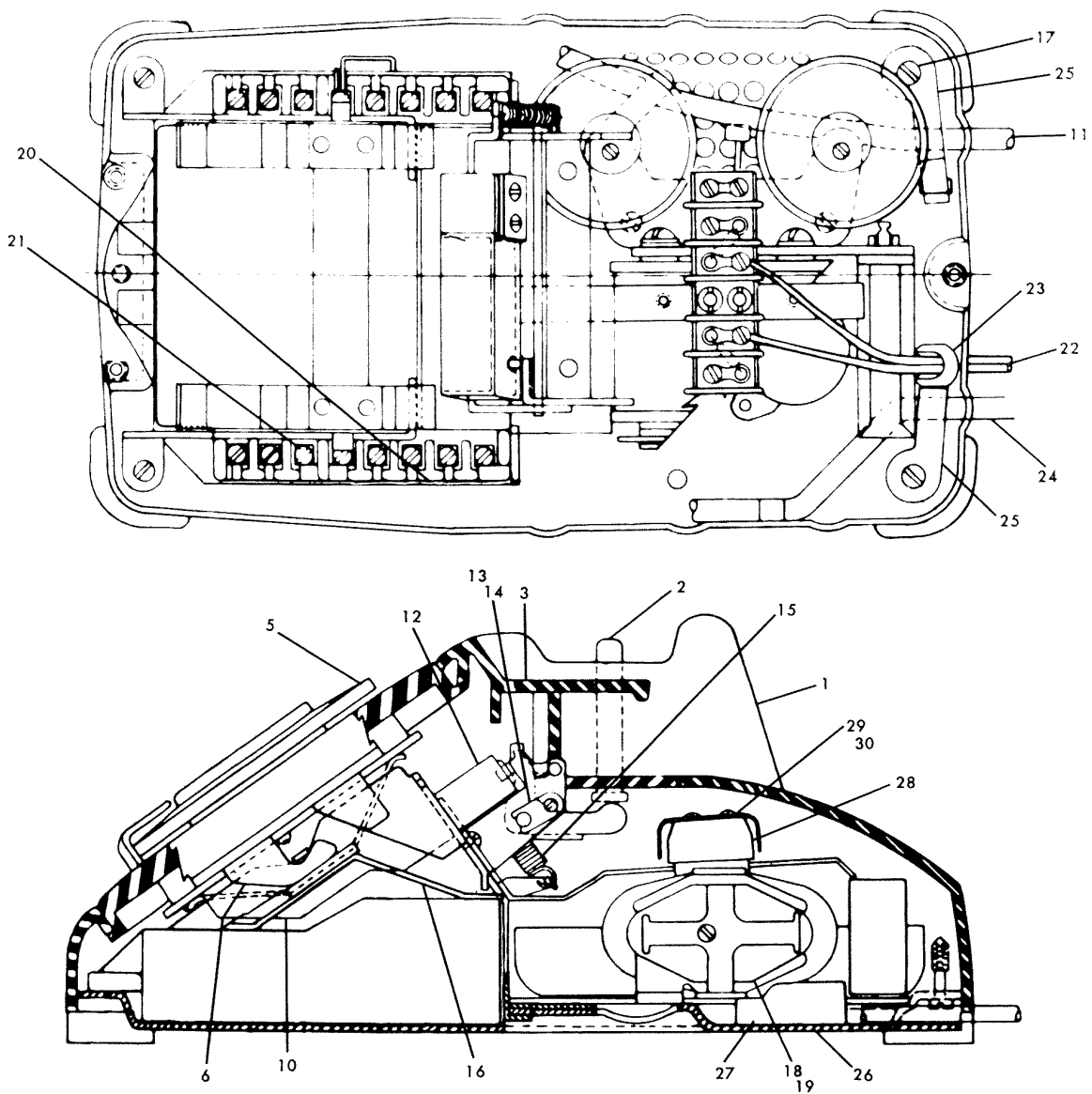
Item Num- ber	Description	Amt. Reqd.	Order No.
1	Cover (Black)	1	D-49696-AR
2	Plunger	1	D-41293-C
3	Screw, Cover	2	D-76655-A
4	Handset and Cord Assembly ¹	1	L-885-FO
5	Dial Assembly ² :		
	Type 51A (1-0)	1	D-84820-C
	Type 51A (ABC)		D-84821-C
	Type 51A (SATT A)		D-84885-E
	Type 51A (SATT B)		D-84887-E
6	Dial Assembly Bracket	1	D-731065-A
7	Dial Assembly & Bracket Screw (10-32x $\frac{3}{16}$ " RHIMS)	2	.....
8	Dial Stud	2	D-76836-A
9	Capacitor (Ringer) ³	1	See Table A
10	Capacitor Mounting Screw (6-32x $\frac{1}{2}$ " RHIMS)	2	.....
11	Induction Coil	1	D-282996-AR
12	Induction Coil Mounting Screw (5-40x1 $\frac{1}{2}$ " RHIMS)	2	.....
13	Induction Coil Lamination Frame (Keeper)	1	D-30174-A
14	Switch Assembly	1	D-731066-A
15	Switch Assembly Bracket	1	D-731063-A
16	Switch Assembly Bracket Mounting Screw (6-32x $\frac{3}{16}$ " RHIMS)	2	.....
17	Terminal Strip Assembly	1	D-15807-A
18	Terminal Strip Mounting Screw (6-32x $\frac{1}{8}$ " RHIMS)	2	.....
19	Resistance Coil	1	D-282804-A
20	Resistance Coil Mounting Screw (6-32x $\frac{3}{16}$ " RHIMS)	2	.....
21	Ringer Assembly ³	1	See Table A
22	Ringer Support Bracket	1	D-731404-A
23	Screw, Ringer Support Bracket (8-32x $\frac{3}{16}$ " RHIMS)	1	.....

NOTES: ¹Not shown.

²See Dial Ordering Information, Group II.

³See Table A, Page P-80 for Ringer Ordering Information.

Type 82 Dial Lighted Telephone



Item Num- ber	Description	Amt. Reqd.	Order No.
1	Housing ²	1	D-49935-
2	Plunger	2	D-67586-A
3	Cradle Hole Cover ²	1	D-49937-
4	Cradle Hole Cover Screw ¹	1	D-760904-A
5	Dial Assembly ³ :		
	Type 52 (ABC)	1	D-84921-
	Type 53 (SATT A)		Disc.
6	Dial Mounting Bracket	1	D-731543-A
7	Dial Mounting Bracket Screw ¹	3	D-760730-A
8	Dial Lamp ¹	1	FD-1023-AN
9	Dial Lamp Insulator ¹	1	D-440322-A
10	Dial Dust Cover	1	D-49929-A
11	Handset Cord Assembly ¹	1	L-9024-
			or
			L-9027-
12	Spring Combination, Hookswitch	1	D-735355-A
13	Pin Lock, Switch Lever	1	D-58062-A
14	Pin Lock Screw (3-48x ³ / ₁₆ " BDG HIMS)	1	
15	Coil Spring	1	D-109780-A
16	Tripod Assembly	1	D-731713-BR
17	Bracket and Cord Clamp Screw	4	D-760733-A
18	Ringer Assembly ⁴ (Type 45 Ringer)	1	D-56548-
19	Ringer Mounting Screw (Furnished with Ringer)	3	D-760735-A
20	Transmission Unit:		
	With RC Filter	1	D-38368-A
	Standard		D-38362-A
21	Screw, Transmission Unit (5-40x ¹ / ₄ " BDG HIMS)	16	
22	Cord and Plug Assembly ²	1	D-543144-
23	Strain Relief Bushing	1	FD-1025-AB
24	Line Cord ²	1	CD-616075
25	Strain Relief Clamp	2	D-543397-A
26	Base Plate Assembly	1	Disc.
27	Rheostat	1	D-284068-A
28	Terminal Strip	1	Disc.
29	Terminal Strip Cover	1	Disc.
30	Terminal Strip Cover Screw	2	D-760729-A

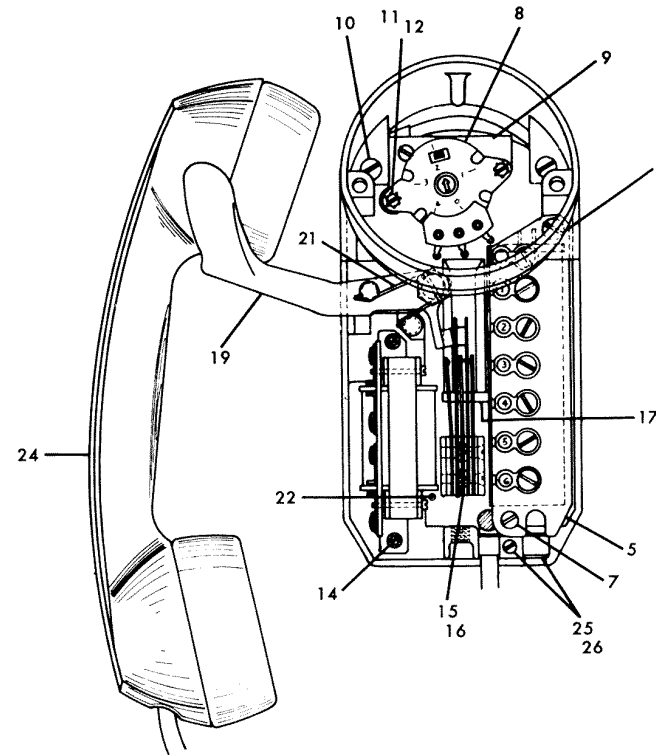
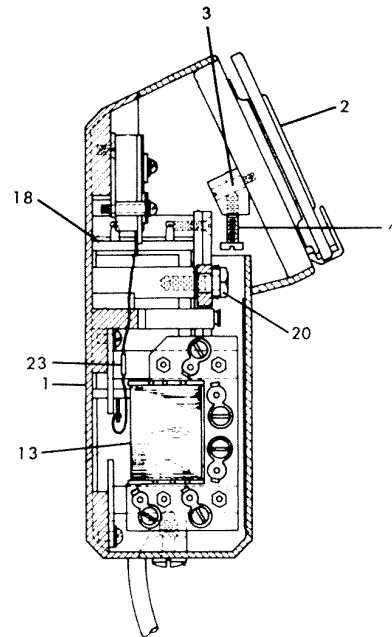
NOTES: ¹Not shown.

²See Group IV.

³See Dial Ordering Information, Group II.

⁴See Ringer Ordering Information, Group II.

Type 83 Telephone



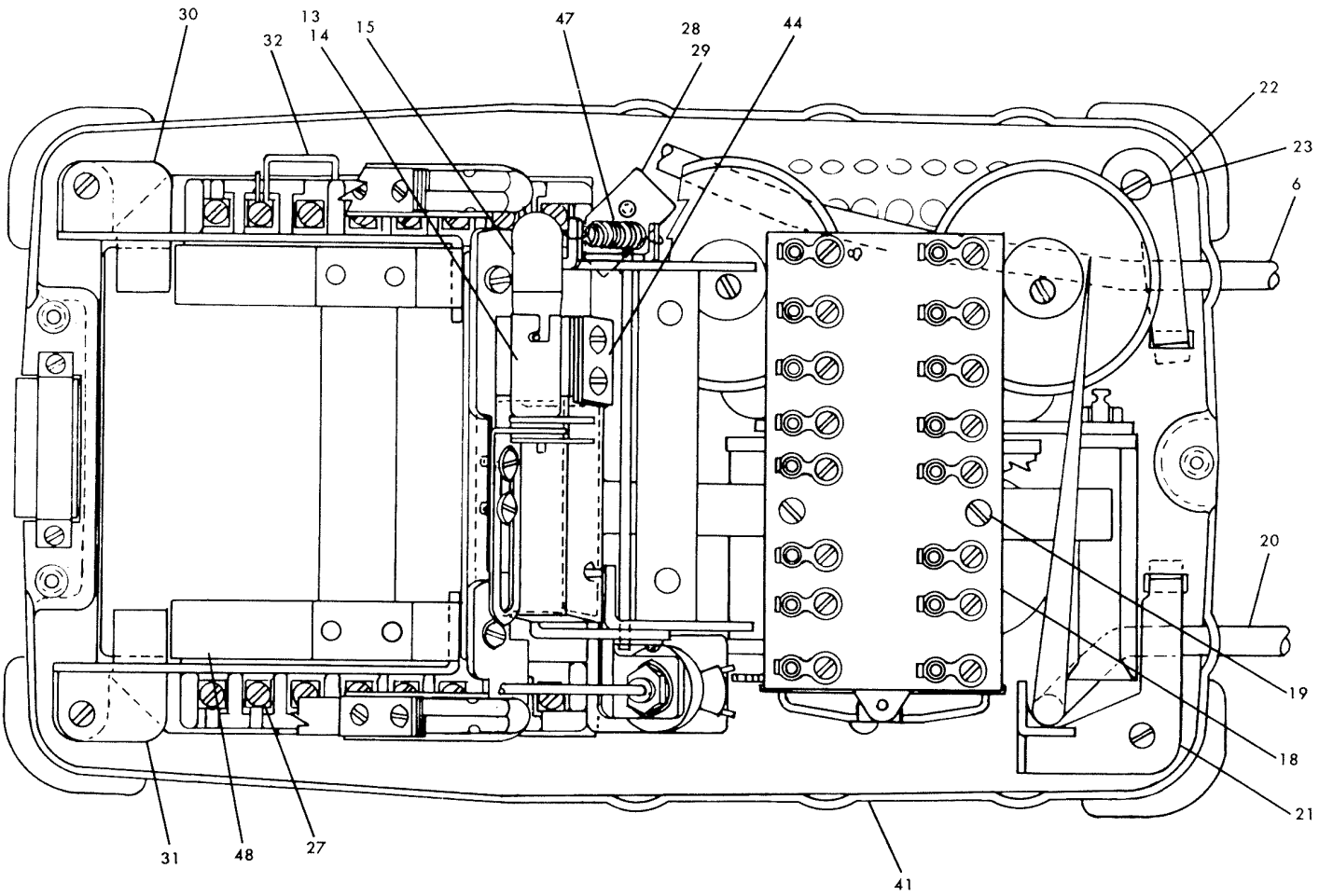
Item Number	Description	Amt. Reqd.	Order No.
1	Housing Assembly ²	1	D-48350-A
2	Dial Assembly: ³		
	Type 51A (1-0).....	1	D-84820-C
	Type 51A (ABC).....		D-84821-C
	Type 51A (SATT A).....		D-84885-
	Type 51A (SATT B).....		D-84887-
3	Dial Stud.....	2	D-76838-A
4	Dial Screw.....	2	D-760231-A
5	Terminal Strip Assembly...	1	D-15852-A
6	Terminal Strip Mtg. Scr. (6-32 x 1/2" FHIMS).....	1	
7	Terminal Strip Mtg. Scr. (6-32 x 1/2" RHIMS).....	1	

Item Number	Description	Amt. Reqd.	Order No.
8	Rheostat.....	1	D-284068-A
9	Rheostat Mounting Plate...	1	D-731592-A
10	Rheostat Mtg. Plate Scr. (6-32 x 1/4" FHIMS).....	1	
11	Screw, Rheostat.....	2	F-7085-A
	Lockwasher.....	2	D-17389-A
12	Rheostat Bushing.....	2	D-750260-A
13	Induction Coil.....	1	D-284263-A
14	Induction Coil Mtg. Scr....	2	D-760806-A
15	Switch Assembly.....	1	D-735271-A
16	Switch Assbly. Mtg. Scr. (6-32 x 3/16" RHIMS).....	2	
17	Side Tone Assembly.....	1	Disc.
18	Capacitor.....	1	D-68728-A

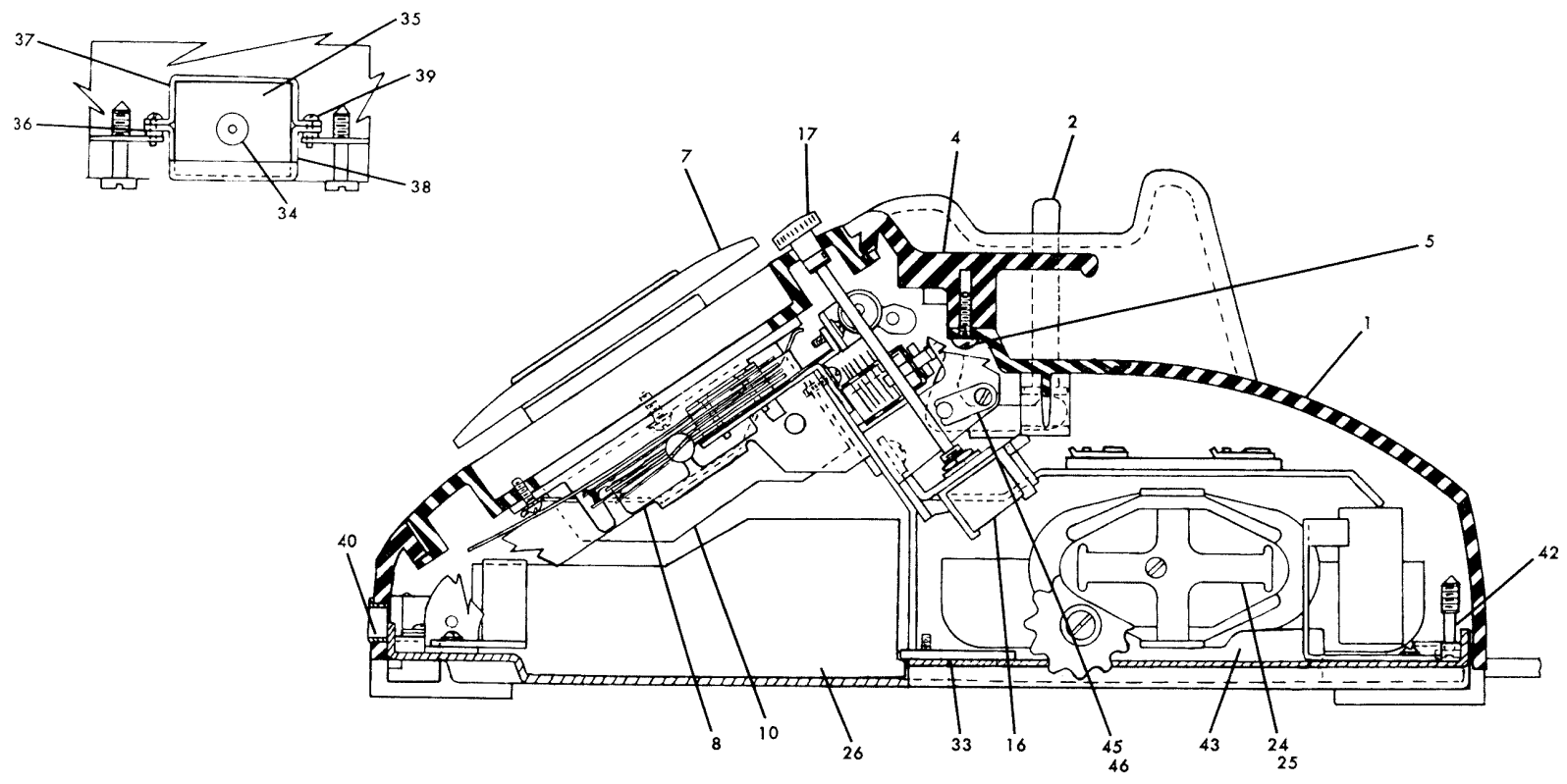
Item Number	Description	Amt. Reqd.	Order No.
19	Hookswitch.....	1	D-62123-A
20	Screw, Hookswitch.....	1	D-760707-A
21	Spring.....	1	D-109547-A
22	Resistor (100 Ohms).....	1	D-284080-B38
23	Resistor (62 Ohms).....	1	Disc.
24	Handset & Cord Assbly. ² ...	1	L-9024- or L-9027-
25	Cord Clamp.....	1	D-731135-A
26	Cord Clamp Screw (5-40 x 3/8" RHIMS).....	1	
27	Dial Hole Cover: ^{1,2}		
	Colored Models.....	1	D-49609-
	Black Model.....	1	D-49607-A

NOTES: ¹ Not shown.²See Group IV.³See Dial Ordering Information, Group II.

Type 88 Loud Speaking Telephone



Type 88 Loud Speaking Telephone

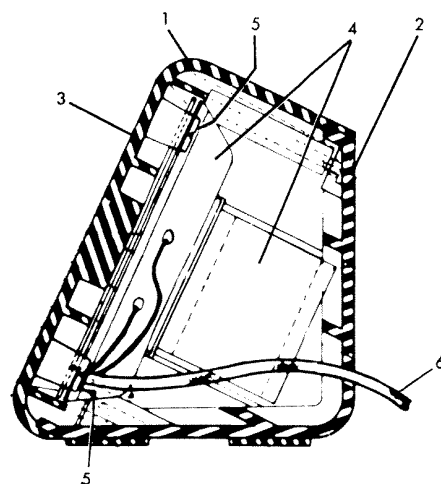


Item Num- ber	Description	Amt. Reqd.	Order No.
1	Housing Assembly ²	1	D-49972-
2	Hookswitch Plunger	2	D-67586-A
3	Circuit Label ¹	1	Disc.
4	Cradle Hole Cover ²	1	D-49937-
5	Cradle Hole Cover Scr. (6-32 x 3/8" Type F RHS) ..	1	
6	Handset and Cord Assembly ²	1	L-9024-or
7	Dial Assembly ⁴ : Type 52 (1-0)	1	L-9027-
	Type 52 (ABC)		D-84912-
	Type 53 (SATT A)		D-84913-
	Type 53B (SATT B)		D-84915-
8	Dial Mounting Bracket	1	D-84916-
9	Dial Assembly Screw ¹	3	D-731543-A
10	Dial Dust Cover	1	D-760730-A
11	Dial Dust Cover Screw ¹ (4-36 x 3/16" RHIMS)	2	D-49929-A
12	Dial Hole Cover ^{1, 2}	1	D-49995-
13	Lamp Socket	1	Cinch 154143
14	Lamp Socket Screw (6-40 x 3/16" RHIMS)	2	
15	Indicator Lamp	1	D-94081-A
16	Volume Control Potentiometer	1	Disc.
17	Volume Control Knob	1	D-59299-A
18	Terminal Assembly	1	D-150134-A
19	Terminal Strip Assbly. Scr. (4-40 x 3/16" FHIMS) ..	2	
20	Line Cord ²	1	Disc.
21	Line Cord Clamp	1	Disc.
22	Handset Cord Clamp	1	D-731490-A

NOTES: ¹Not shown.
²See Group IV.

³See Ringer Ordering Information, Group II.
⁴See Dial Ordering Information, Group II.

Item Num- ber	Description	Amt. Reqd.	Order No.
23	Cord Clamp and Bracket Screw	4	D-760733-A
24	Ringer Assembly ³	1	D-56548-
25	Ringer Assbly. Mtg. Scr. (Furnished with Ringer) ..	3	D-760735-A
26	Transmission Unit	1	Disc.
27	Screw, Transmission Unit (5-40 x 1/4" BDG HIMS) ..	16	
28	Transmission Unit Clamp	1	D-731491-A
29	Clamp Bracket & Screw (6-32 x 1/4" RHIMS)	2	
30	Left Transmission Clamp	1	D-731523-A
31	Right Transmission Clamp	1	D-731524-A
32	Wire Clamp	1	D-731510-A
33	Transmission Unit Mounting Block	1	D-660256-A
34	Microphone	1	D-38372-A
35	Microphone Cushion	1	D-67443-A
36	Microphone Bushing	2	D-750241-A
37	Microphone Bracket (Upper)	1	D-731520-A
38	Microphone Bracket (Lower)	1	D-731521-A
39	Microphone Screw (3-48 x 1/8" RHIMS)	2	
40	Microphone Screen Assembly	1	D-18187-A
41	Baseplate	1	Disc.
42	Screw, Baseplate	3	D-760693-A
43	Rheostat	1	D-284068-A
44	Spring Combination, Hookswitch	1	D-735355-B
45	Pinlock	1	D-58062-A
46	Pinlock Screw (3-48 x 3/16" BDG HIMS)	1	
47	Coil Spring	1	D-109780-A
48	Tripod	1	D-731713-BR

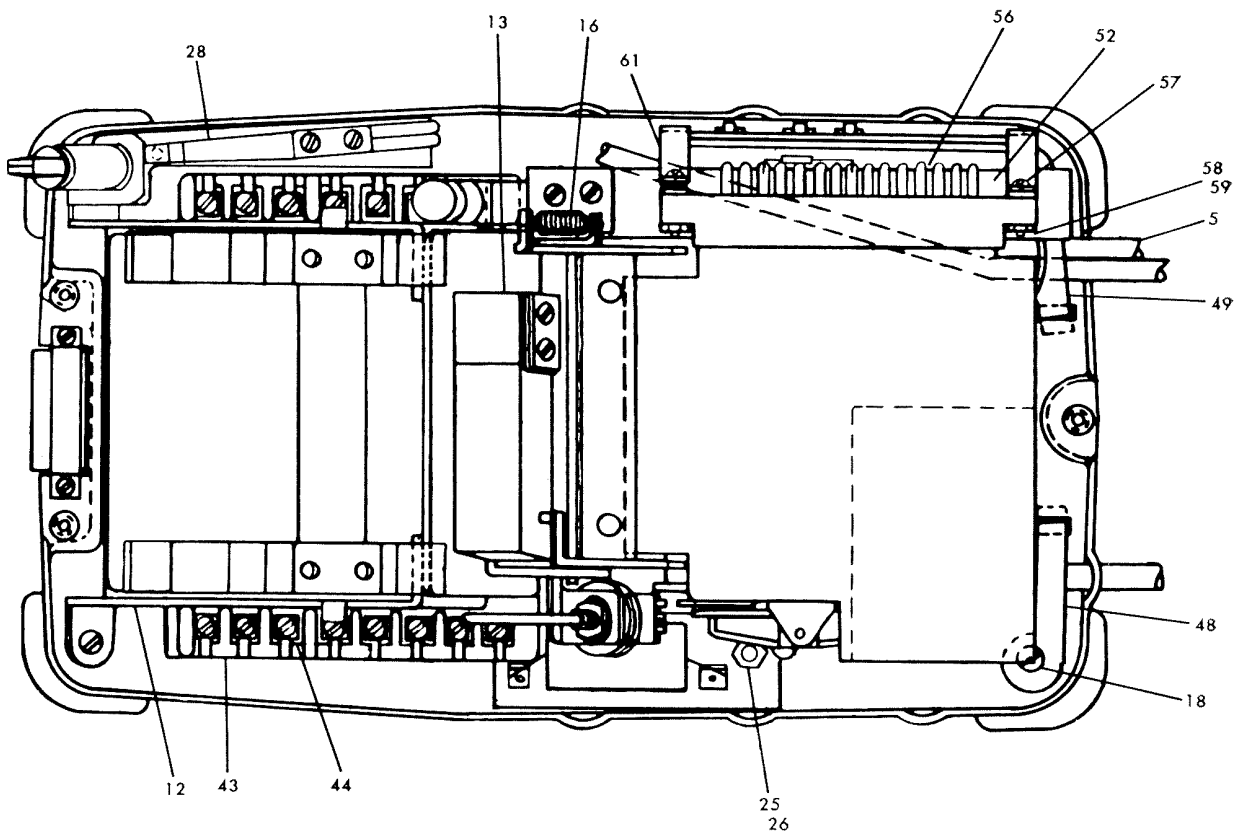


Type 88 Speaker Assembly

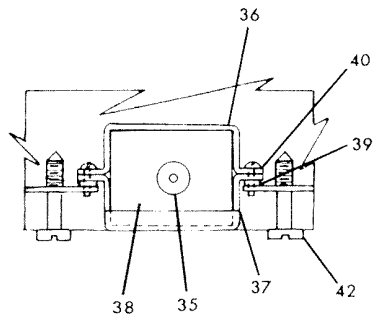
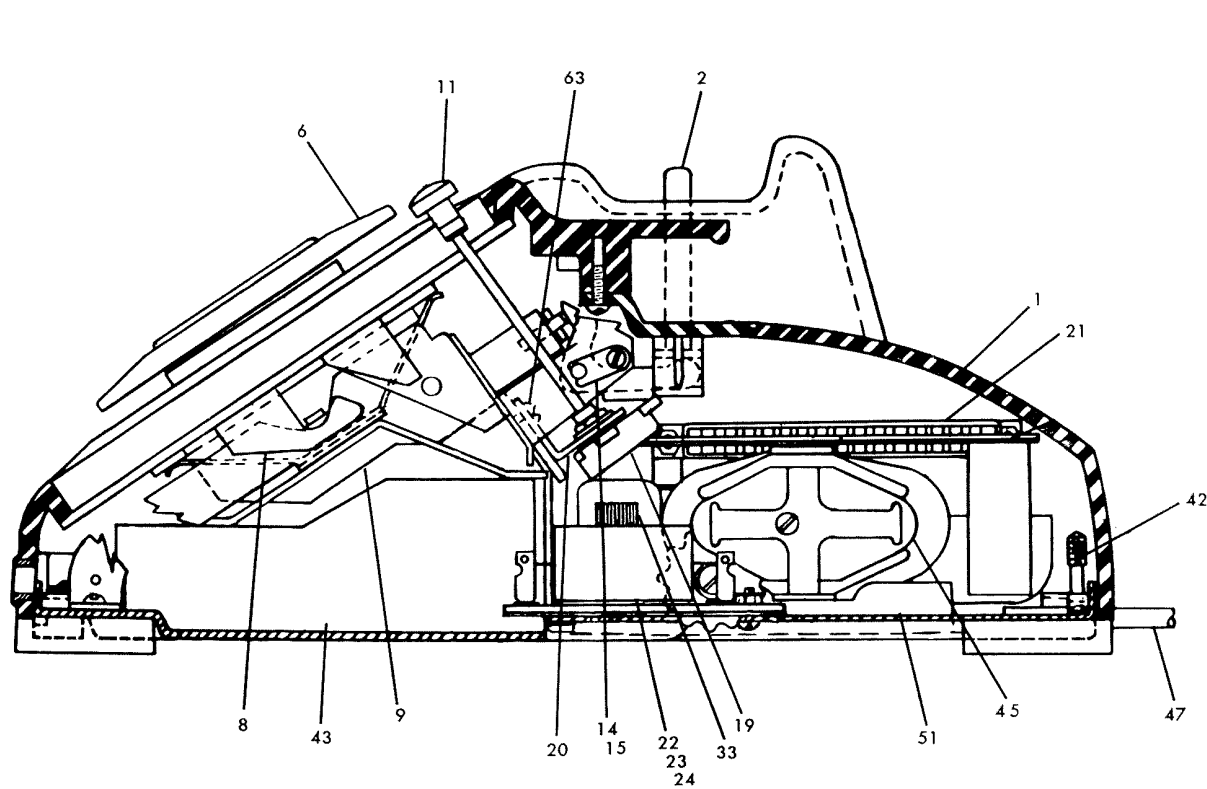
Item Num- ber	Description	Amt. Reqd.	Order No.
1	Front and Rear Cover Assembly ²	1	D-49973-
2	Mounting Screw	4	D-760783-A
3	Screen	1	D-18188-A
4	Speaker	1	Jensen Model P-3-V
5	Speaker Mounting Screw	4	D-760788-A
6	Speaker Cord ²	1	D-543214-

NOTES: ²See Group IV.

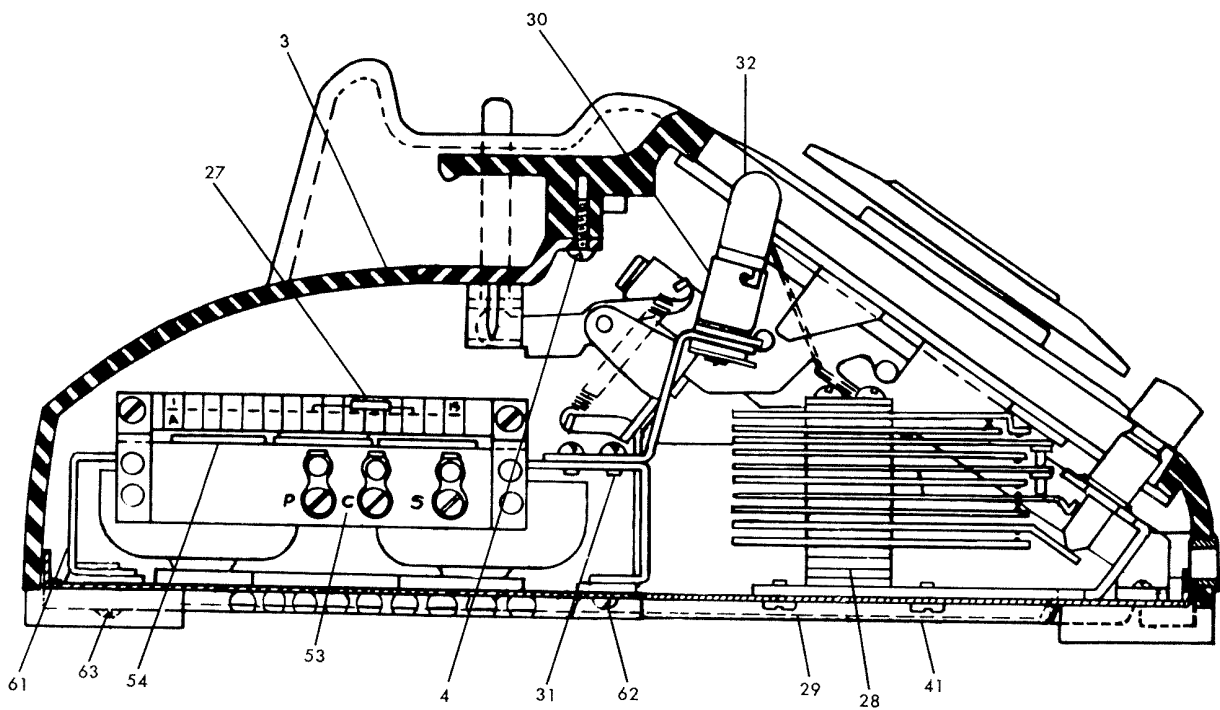
Type 88T Telephone



AUTOMATIC ELECTRIC **PARTS LIST (Telephone—Paystation)**



Type 88T Telephone



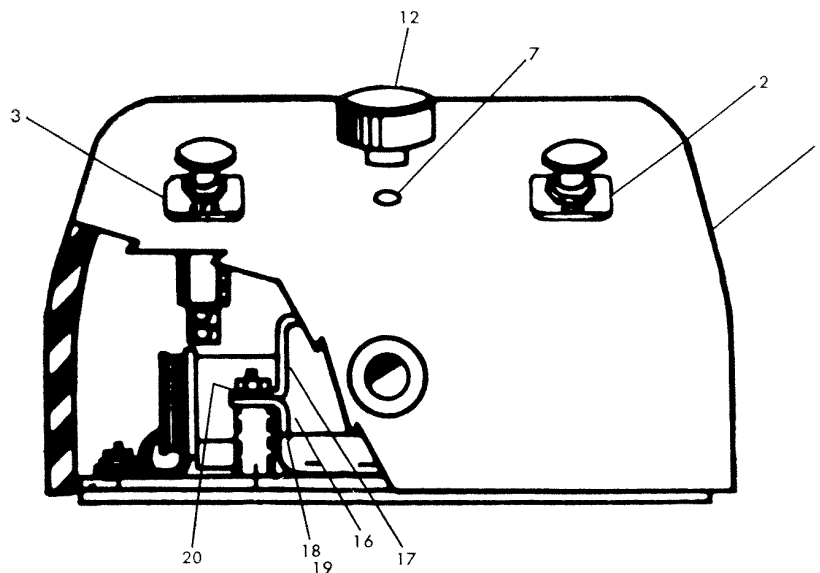
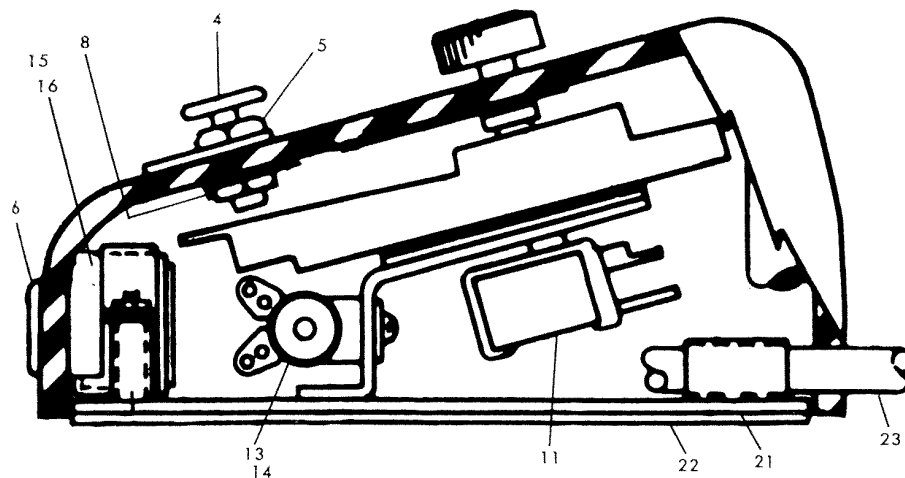
Item Num- ber	Description	Amt. Reqd.	Order No.	Item Num- ber	Description	Amt. Reqd.	Order No.
1	Housing Assembly ²	1	D-490047-	31	Screw, Lamp Socket Assembly Mounting (4-40x $\frac{1}{8}$ " RHIMS)	2	
2	Plunger	2	D-67586-A	32	Lamp	1	FD-1023-AD
3	Cradle Hole Cover ²	1	D-49937-	33	Transformer	1	D-95102-A
4	Screw, Cradle Hole Cover	1	D-760904-A	34	Screw, Transformer Mounting ¹ (4-36x $\frac{3}{16}$ " RHIMS)	1	
5	Handset and Cord Assembly ²	1	L-9024- or L-9027-	35	Microphone	1	D-38372-A
6	Dial ³ :			36	Microphone Mounting Bracket (Upper)	1	D-731520-A
	Type 52 (1-0)	1	D-84912-	37	Microphone Mounting Bracket (Lower)	1	D-731521-A
	Type 52 (ABC)		D-84913-	38	Microphone Cushion	1	D-67443-A
	Type 53A (SATT A)		D-84915-	39	Microphone Bushing	2	D-750241-A
	Type 53B (SATT B)		D-84916-	40	Screw, Microphone Mounting (3-48x $\frac{3}{16}$ " RHIMS)	2	
7	Screw, Dial Mounting ¹	2	D-760730-A	41	Base Plate	1	Disc.
8	Dial Mounting Bracket	1	D-731543-A	42	Screw, Base Plate	3	D-760793-A
9	Dial Dust Cover	1	D-49929-A	43	Transmission Unit	1	D-38368-B
10	Screw, Dial Dust Cover ¹ (4-36x $\frac{3}{16}$ " RHIMS)	2		44	Screw, Transmission Unit (5-40x $\frac{1}{4}$ " BDG HIMS)	16	
11	Volume Control Knob	1	D-59299-A	45	Ringer Assembly ⁴ (Type 45 Ringer)	1	D-56548-
12	Tripod	1	D-731713-BR	46	Screw, Ringer Mounting ¹ (Furnished with Item 45)	3	D-760735-A
13	Spring Combination	1	D-735355-A	47	Line Cord ²	1	D-543212-
14	Pin Lock	1	D-58062-A	48	Strain Relief Clamp	1	D-543397-A
15	Screw, Pin Lock (3-48x $\frac{3}{16}$ " BDG HIMS)	1		49	Cable Clamp	1	D-731654-A
16	Coil Spring	1	D-109780-A	50	Dial Hole Cover ^{1,2}	1	D-49995-
17	Terminal Strip Assembly ¹	1	D-15998-A	51	Rheostat	1	D-284068-A
18	Screw, Bracket and Cord Clamp	3	D-760733-A	52	Connector Assembly	1	D-660290-A
19	Volume Control Potentiometer	1	D-284299-A	53	Terminal Strip (Connector Assembly)	1	Disc.
20	Volume Control Mounting Bracket	1	Disc	54	Varistor Assembly (Connector Assembly)	1	D-67625-A
21	Printed Wire Board	1	WA-1037-A	55	Insulator, Varistor Assembly ¹	1	D-44356-A
22	Capacitor (1 Mf)	1	D-68744-BN	56	Connector (Connector Assembly)	1	FD-1004-CK
23	Capacitor, Mounting Plate	1	D-780756-A	57	Screw, Connector (5-40x $\frac{1}{2}$ " RHIMS)	2	
24	Capacitor Insulator	1	D-440332-A	58	Hex Nut (Connector)	2	D-77133-A
25	Screw, Capacitor Mounting (6-32x $\frac{3}{8}$ " RHIMS)	1		59	Washer, Connector Assembly	2	D-1724-A
26	Nut, Capacitor Mounting	1	D-7756-A	60	Washer, Varistor Assembly ¹	1	D-17060-A
27	Resistor (12 Ohm, 5 Watt)	1	D-284080-B27	61	Mounting Bracket (Connector Assembly)	1	Disc.
28	Switch, Push and Turn Key	1	H-884622-2	62	Screw, Mounting Bracket (6-32x $\frac{1}{4}$ " RHIMS)	1	
29	Screw, (Float Mtg.) Push and Turn Key	2	D-760768-A	63	Screw, Base Plate and Volume Control Bracket and Terminal Strip	3	D-760734-A
30	Lamp Socket Assembly	1	D-94087-A				

NOTES: ¹Not shown.

²See Group IV.

³See Dial Ordering Information, Group II.

⁴See Ringer Ordering Information, Group II.



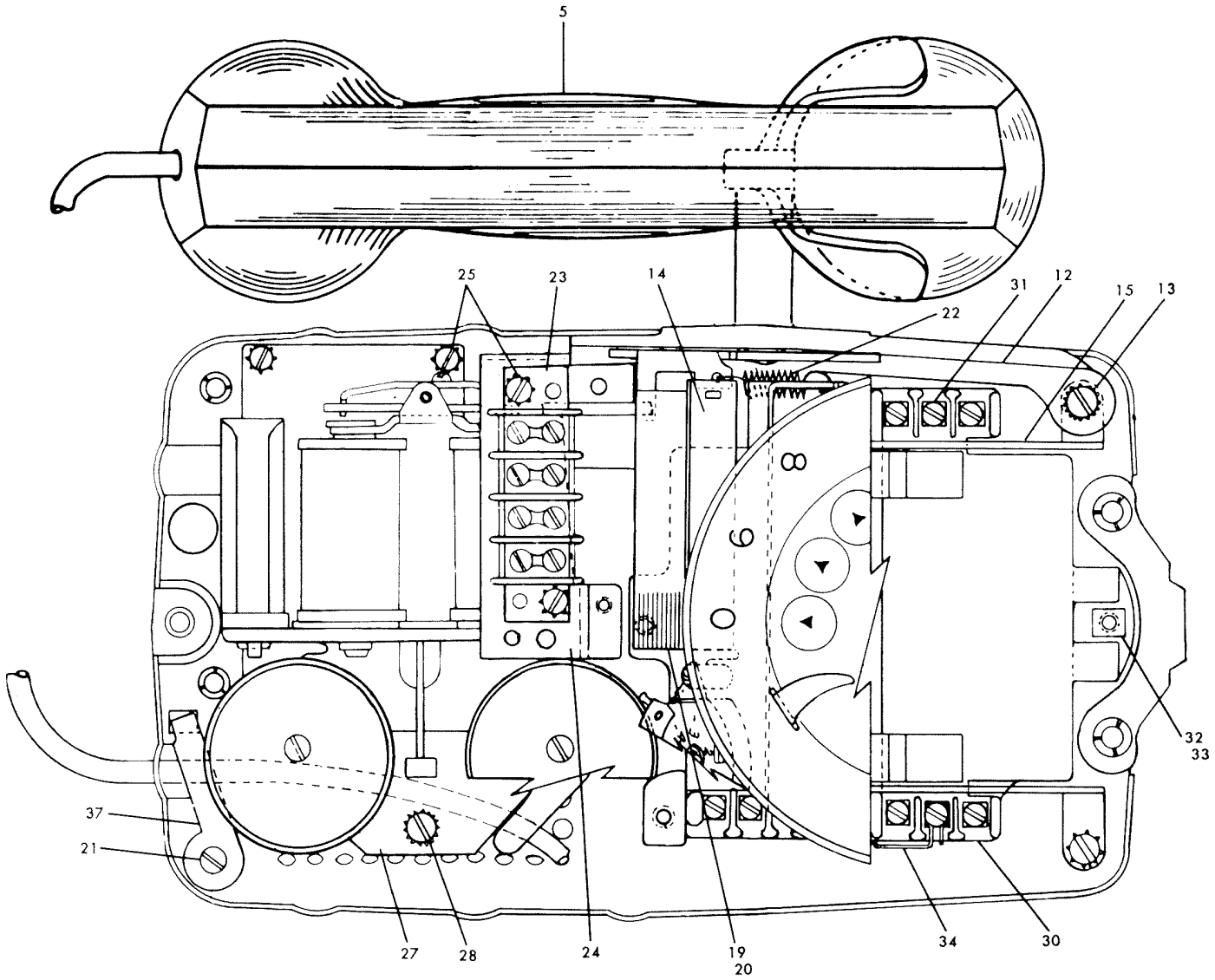
Adapter Unit for Type 88A Loudspeaking Telephone Conversion Set

Item Num- ber	Description	Amt. Reqd.	Order No.
1	Housing Assembly ²	1	Disc.
2	Escutcheon (ON).....	1	Disc.
3	Escutcheon (OFF).....	1	Disc.
4	Plunger.....	2	D-67444-A
5	Plunger Bushing.....	2	D-750229-A
6	Microphone Screen Assembly.....	1	D-18187-A
7	Opal.....	1	Disc.
8	Brass Nut.....	2	D-77398-A
9	Mounting Screw (4-40 x $\frac{3}{8}$ " FHPKFS) ¹	3	.....
10	Mounting Bracket ¹	1	Disc.
11	Potentiometer.....	1	D-284155-B
12	Clear Plastic Volume Control Knob	1	D-59299-A
13	Lamp Socket.....	1	Drake 206-AH
14	Lamp (28 Volt).....	1	D-94081-A
15	Microphone.....	1	D-38372-A
16	Microphone Cushion.....	1	D-67443-A
17	Upper Microphone Bracket.....	1	D-731520-A
18	Lower Microphone Bracket.....	1	D-731521-A
19	Microphone Screw (3-48 x $\frac{9}{16}$ " FHIMS).....	2	.....
20	Hex Nut (3-48).....	2	D-7719-A
21	Base Plate.....	1	Disc.
22	Base Cushion.....	1	Disc.
23	Cord Assembly 10-Conductor (Suffix A for Gray).....	1	Disc.
24	Cord Assembly ¹ 4-Conductor (Black)	1	CD-604090

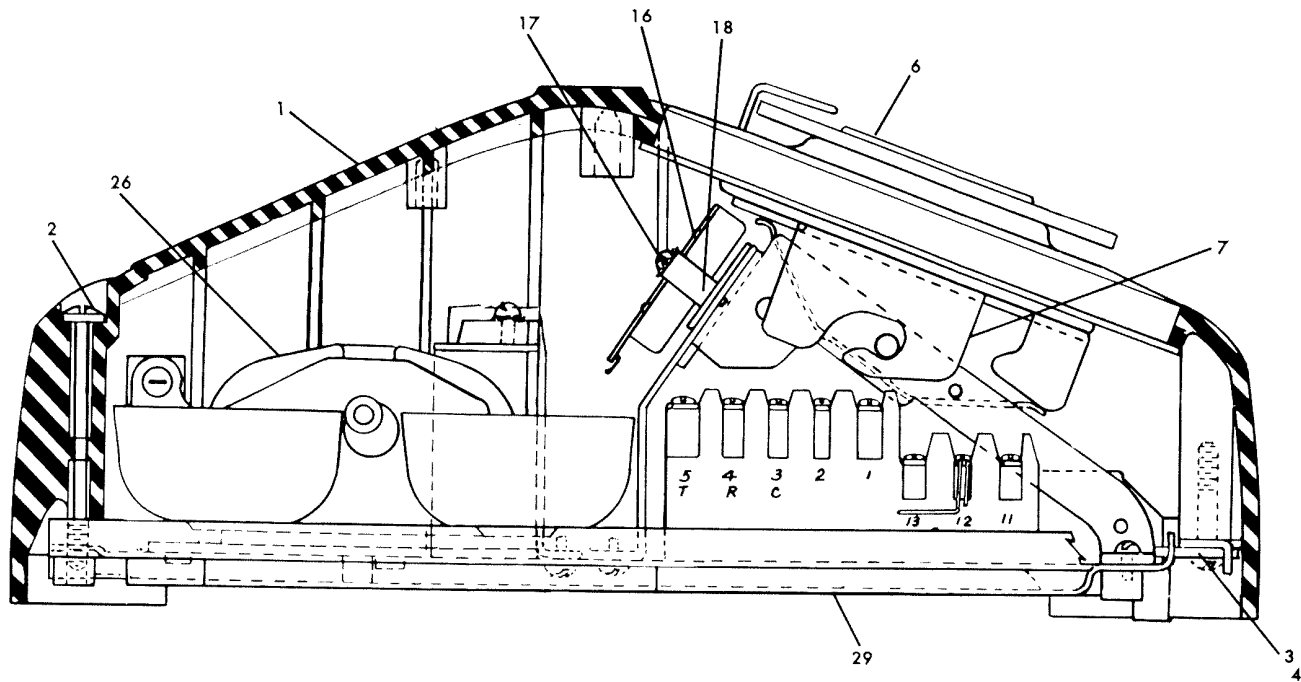
NOTES: ¹Not shown.

²See Group IV.

Type 90 Telephone



Type 90 Telephone



Item Num- ber	Description	Amt. Reqd.	Order No.
1	Housing ²	1	D-49976-
2	Housing Screw.....	1	D-760773-A
3	Housing Mounting Bracket.....	1	D-731536-A
4	Housing Mounting Bracket Screw.....	2	D-76491-C
5	Handset Assembly.....	1	L-9024-
			or
			L-9027-
6	Dial ³ (Only): Type 52 (1-0).....	1	D-84900-
	Type 52 (ABC).....		D-84901-
	Type 53A (SATT A).....		D-84915-
	Type 53B (SATT B).....		D-84916-
7	Dial Mounting Bracket.....	1	D-731535-A
8	Dial Mounting Bracket Screw ¹	3	D-760730-A
9	Dial Dust Cover ¹	1	D-49929-A
10	Dial Dust Cover Screw ¹ (4-36x $\frac{3}{16}$ " RHIMS).....	2	
11	Dial Blank ^{1,2}	1	D-49995-
12	Hook Switch and Bracket Assembly.....	1	D-731542-A
13	Screw, Hook Switch and Bracket Assembly.....	1	D-760775-A
14	Switch and Bracket Assembly.....	1	Disc.
15	Tripod.....	1	D-731713-C
16	Rheostat.....	1	D-284068-A
17	Rheostat Mounting Screw (4-40x $\frac{5}{8}$ " RHIMS).....	2	
18	Rheostat Bushing.....	2	D-750233-A
19	Spring Combination.....	1	D-735356-A
20	Dust Cover ¹	1	Disc.
21	Screw, Bracket Assembly and Cord Clamp.....	2	D-760733-A
22	Coil Spring, Switch Lever.....	1	D-109797-A
23	Terminal Strip.....	1	D-150024-A3
24	Terminal Strip Bracket.....	1	D-731534-A
25	Screw, Transmission Unit, Terminal Strip, and Ringer Mounting Plate.....	5	D-760734-A
26	Ringer Assembly ⁴	1	D-56548-
27	Ringer Mounting Plate.....	1	D-780701-A
28	Screw, Ringer and Ringer Mounting Plate.....	4	D-760735-A
29	Base Plate.....	1	D-780694-A
30	Transmission Unit: RC Network.....	1	D-38368-A
	Standard.....		D-38362-A
31	Screw, Transmission Unit (5-40x $\frac{1}{4}$ " BDG HIMS).....	16	
32	Transmission Unit Screw.....	1	D-760734-A
33	Transmission Unit Nut.....	1	D-77389-A
34	Wire Clamp.....	1	D-731510-A
35	Hook Latch ¹	1	D-58065-A
36	Hook Latch Screw ¹	1	D-760774-A
37	Strain Relief Clamp.....	1	D-543397-A
38	Capacitor, if Required (1 Mf) ¹	1	D-68563-A
39	Capacitor Mounting Bracket ¹	1	D-731552-A

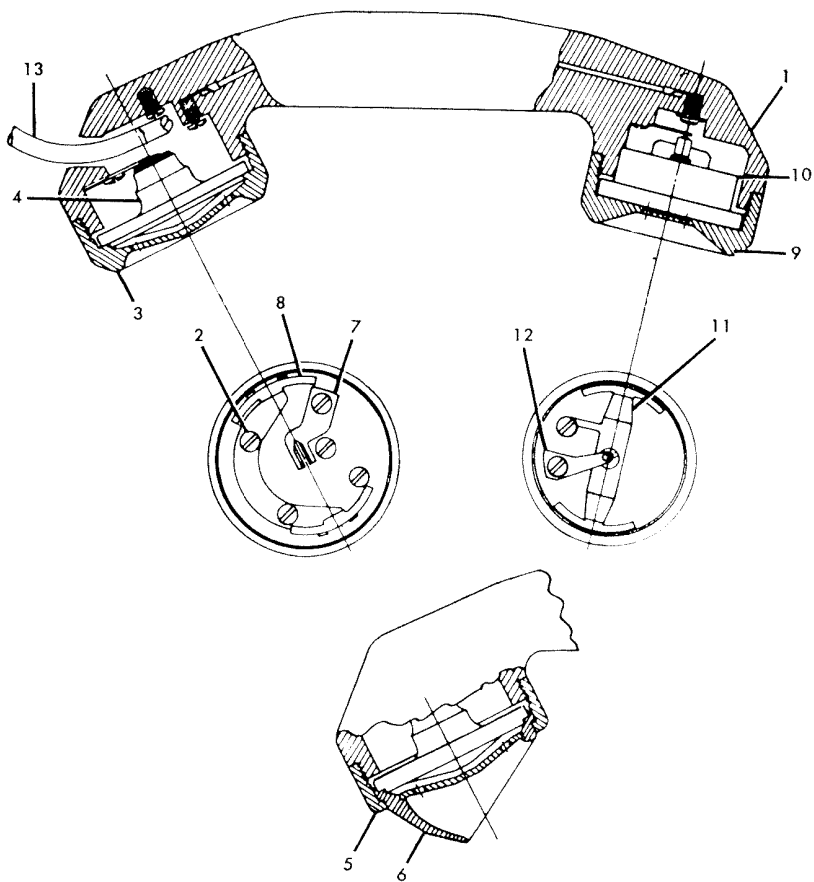
NOTES: ¹Not shown.

²See Group IV.

³See Dial Ordering Information, Group II.

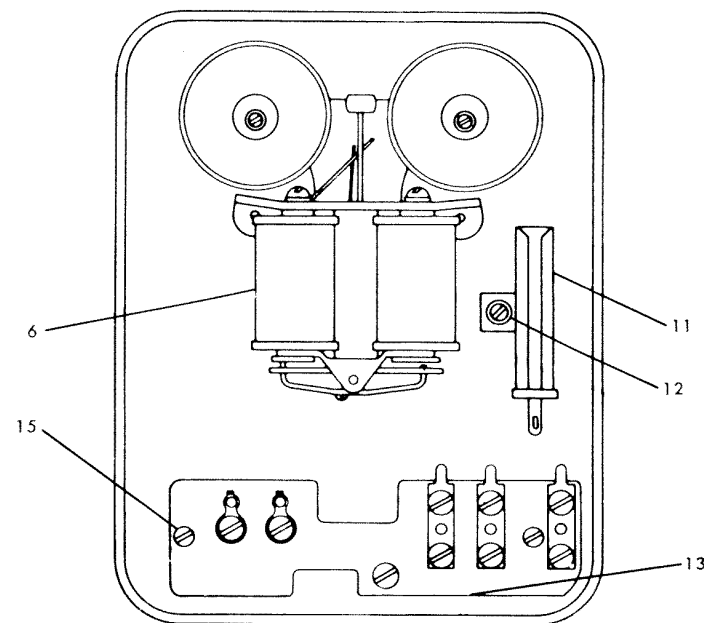
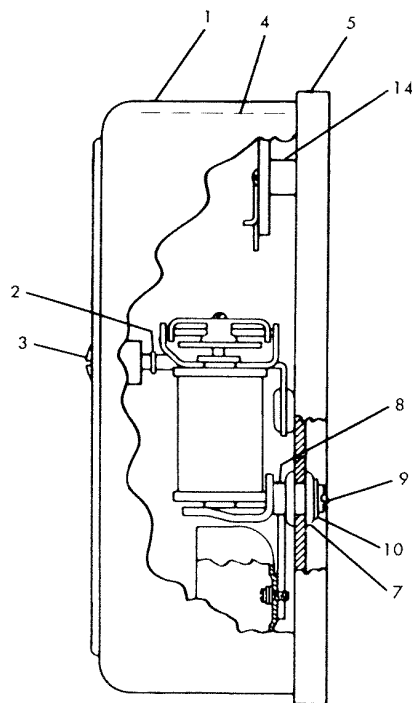
⁴See Ringer Ordering Information, Group II.

Type 41 Handset



Item Num- ber	Description	Amt. Reqd.	Order No.
1	Handset Shell.....	1	D-52137-A
2	Terminal Screw.....	8	D-76351-A
3	Transmitter Cap.....	1	D-38306-A
4	Transmitter.....	1	D-38363-A
5	Retaining Ring (for Cupped Mouthpiece for L-885-DO Only).....	1	D-65339-A
6	Cupped Mouthpiece (for L-885-DO Only).....	1	D-38297-A
7	Transmitter Spring.....	1	D-109483-A
8	Transmitter Spring.....	1	D-109484-A
9	Receiver Cap.....	1	D-67304-A
10	Receiver.....	1	D-51021-A
11	Receiver Spring.....	1	D-109481-A
12	Receiver Spring.....	1	D-109482-A
13	Handset Cord (3-Conductor):		
	L-885-JO.....	1	D-543003-B
	L-885-GO.....	1	CD-351053
	L-885-FO.....	1	D-543003-B
	L-885-DO.....	1	CD-350053
	L-885-BO.....	1	CD-350053

Type 32 Ringer Box

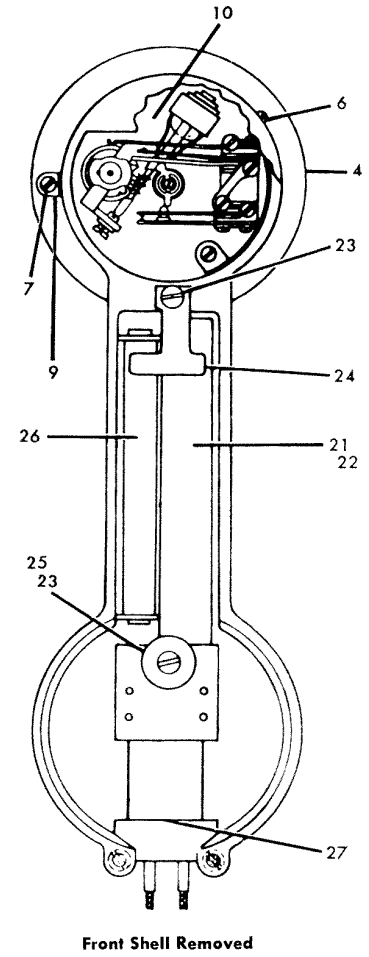
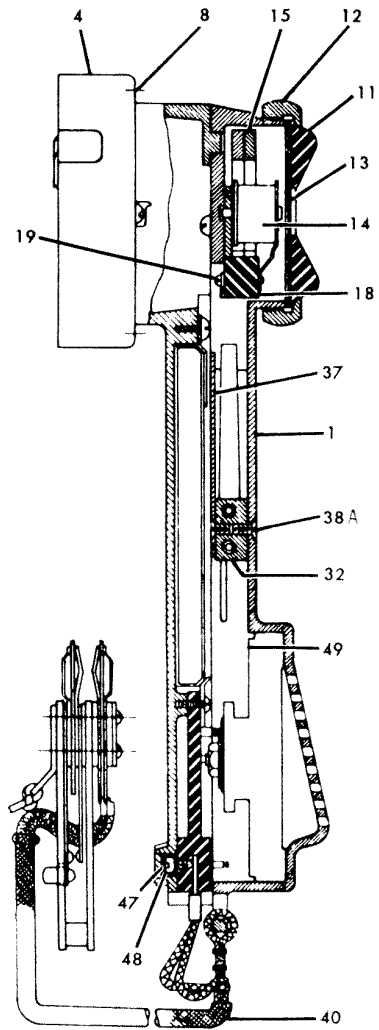
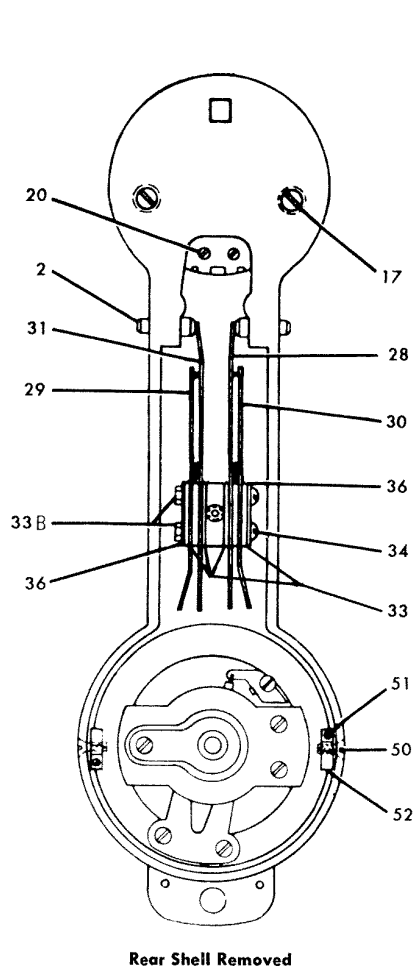


Item Num- ber	Description	Amt. Reqd.	Order No.
1	Cover Assembly.....	1	D-49488-A
2	Cover Screw Lock Ring.....	2	D-65270-A
3	Cover Lock Screw.....	2	D-76655-A
4	Circuit Label.....	1	D-530069-A
5	Ringer Mounting Base.....	1	D-47865-A
6	Ringer Assembly ³	1	See Table A
7	Ringer Rubber Bushing.....	2	D-67431-A14
8	Ringer Spacer.....	2	D-65462-A

Item Num- ber	Description	Amt. Reqd.	Order No.
9	Ringer Shoulder Screw.....	2	D-760648-A
10	Ringer Metal Washer.....	2	D-17428-A
11	Capacitor (.4 Mf).....	1	D-68262-A
12	Capacitor Screw (5-40 x 1/2" RHIMS).....	1	D-15834-A
13	Terminal Strip Assembly.....	1	D-75204-A
14	Terminal Strip Bushing.....	2	
15	Terminal Strip Screw (5-40 x 1/2" RHIMS).....	2	

NOTES: ³See Table A, Page P-80 for Ringer Ordering Information.

Type L-965 Handtest Telephone



Item Num- ber	Description	Amt. Reqd.	Order No.
1	Front and Rear Shell Assembly.....	1	D-52037-B
2	Push Button Plunger.....	2	D-59091-A
3	Auxiliary Pole Piece ¹	2	D-63028-A
4	Dial Guard.....	1	D-78926-A
5	Lock Washer ¹	5	D-17541-A
6	Mounting Dial Screw (3-48x $\frac{1}{4}$ " RHIMS).....	2	
7	Mounting Dial Screw (4-36x $\frac{3}{16}$ " RHIMS).....	1	
8	Dial Guard Screw (4-36x $\frac{1}{4}$ " RHIMS).....	2	
9	Dial Mounting Bracket.....	1	D-730252-A
10	Type 51A Dial Assembly (ABC).....	1	H-880480-2
11	Receiver Cap.....	1	D-67063-A
12	Receiver Clamping Ring.....	1	D-65043-B
13	Receiver Diaphragm.....	1	D-38194-A
14	Magnet Coil Assembly.....	1	D-281456-AR
15	Permanent Magnet.....	2	D-56169-B
16	Magnet Washer ¹	1	D-17197-A
17	Mounting Motor Magnet & Magnet Coil Screw (6-32x $\frac{1}{16}$ " RHIMS).....	2	
18	Terminal Block Assembly.....	1	D-15422-A
19	Terminal Block Mounting Screw (3-48x $\frac{3}{8}$ " RHIMS).....	2	
20	Intermediate Block Screw ¹ (4-36x $\frac{3}{16}$ " RHBRMS).....	2	
21	Capacitor (.43 Mf).....	1	D-68119-A
22	Capacitor Cover.....	1	D-49266-A
23	Capacitor and Coil Screw (6-32x $\frac{1}{4}$ " RHIMS).....	2	
24	Clamp.....	1	D-730385-A
25	Capacitor Round Insulating Washer.....	1	D-44569-A
26	Impedance Coil.....	1	D-281733-A
27	Resistor Coil (1200).....	1	D-281559-A

Item Num- ber	Description	Amt. Reqd.	Order No.
28	Spring Assembly.....	1	D-104346-A
29	Spring Assembly.....	1	D-104347-A
30	Spring Assembly.....	1	D-104348-A
31	Spring Assembly.....	1	D-104351-A
32	Spring Combination Mounting Block.....	1	D-66627-A
33	Spring Mounting Block Insulator.....	6	D-44463-A
34	Spring Mounting Screw (4-36x $\frac{7}{8}$ " RHIMS).....	2	
35	Mounting Block Double Hole Tapped Washer.....	1	D-17125-A
36	Mounting Block Washer.....	1	D-1759-A
37	Spring Assembly Cover.....	1	D-49215-A
38A	Spring Combination Cover Screw (4-36x $\frac{1}{4}$ " BDG HBRMS).....	1	
38B	Hex Nut ¹	2	D-7721-B
39	Cord and Test Plug Assembly (4-prong test plug) ¹ ..	1	D-541777-B
40	Cord and Test Plug Assembly (4-prong test plug with pushbutton).....	1	D-542725-A
41	Cord and Test Plug Assembly (3-foot cord with 2-prong test plug) ¹	1	D-543044-A
42	Cord and Test Clip Assembly (4-foot cord with test clips) ¹	1	D-543395-A
44	Cord and Plug Assembly (Retractable cord with switchboard plug) ¹	1	D-543142-A
46	Cable Terminal ¹	2	D-54071-A
47	Bushing.....	2	D-75601-A
48	Clamping Cord Tips Screw (6-32x $\frac{1}{4}$ " FILHMS).....	2	
49	Transmitter Assembly.....	1	D-38269-A
50	Transmitter & Cover Screw (4-36x $\frac{1}{4}$ " FHIMS).....	3	
51	Clamping Nut Screw.....	2	D-76401-A
52	Adjustable Clamping Nut.....	2	D-77115-A

NOTES: ¹Not shown.

Table A—Ringer Ordering Information
For Types 40 and 50 Telephones

Frequency	ORDER No.		Capacitor Mf.
	Ringer	Capacitor	
Straight Line	D-56515-A	D-68649-A	4.4
16.6	D-56516-AR	D-68640-A	4.7
20	D-56516-FR	D-68640-A	4.7
25	D-56516-BR	D-68664-AR	4.3
30	D-56516-GR	D-68648-AR	4.2
33.3	D-56516-CR	D-68648-AR	4.2
40	D-56516-LR	D-68665-AR	4.08
42	D-56516-HR	D-68665-AR	4.08
50	D-56516-DR	D-68665-AR	4.08
54	D-56516-JR	D-68665-AR	4.08
60	D-56516-MR	D-68665-AR	4.08
66	D-56516-KR	D-68665-AR	4.08
66.6	D-56516-ER	D-68665-AR	4.08

GROUP IV—Color Suffix Chart

The color suffix chart in this section lists the color suffix letter that must be added to a part number if a part of a particular color is desired.

EXAMPLE: Required, a sand beige housing for a Type 80 Telephone. Find the housing order number in the Type 80 parts list. The order number for the Type 80 housing is D-49935- (Determined from the Type 80 parts list). The dash after the last number denotes that a suffix is required. Consult the color suffix chart for the letter identifying the sand beige color. The color suffix chart indicates that the identifying letter for sand beige is B. The color suffix letter is added to the part number after the dash. The part number for a sand beige housing for a Type 80 Telephone is D-49935-B.

Because of limited usage, all of the colored items for the different types of telephones are not manufactured in all colors.

PARTS LIST (Telephone-Paystation) ***AUTOMATIC ELECTRIC***

*Insert color suffix between—and number; Example D-49998-A1.

AUTOMATIC ELECTRIC PARTS LIST (Telephone—Paystation)

Apparatus Type	Dial Hole Cover	Line Cord		Cord & Plug Assembly		Ball Socket	Dial Cup	Speaker Housing	Speaker Cord
		Manual Compensating	Self- Compensating						
80.....	D-49995-	D-543212-	D-543212-	.....	.....	.....	.....	.....	.....
80T.....	.....	D-543212-	.....	.....	.....	.....	.....	.....	.....
82.....	.....	CD-616075-	.....	D-543144-	.....	.....	.....	.....	.....
83.....	D-49609-	.....	.....	.....	.....	.....	.....	.....	.....
85-A.....	D-49995-	D-543367-	D-543367-	.....	.....	.....	.....	.....	.....
B.....									
C.....									
86.....	D-49995-	D-543366-	D-543366-	.....	.....	.....	.....	.....	.....
87.....	D-49995-	D-543368-	D-543368-	.....	.....	.....	.....	.....	.....
88.....	D-49995-	D-543367-	D-543367-	.....	.....	.....	.....	.....	.....
88AT.....	.....	D-543093-	.....	.....	.....	.....	D-49973-	D-543214-	D-543215-
88T.....	D-49995-	D-543212-	.....	.....	.....	.....	D-49973-	D-543215-	D-543215-
90.....	D-49995-	.....	.....	.....	.....	.....	.....	.....	.....
90M.....	D-49995-	.....	.....	.....	.....	.....	.....	.....	.....
182.....	.....	.....	D-543212-	D-543144-	.....	.....	.....	.....	.....
183.....	D-490075-	.....	.....	.....	D-94092-	D-27086-	.....	.....	.....
880.....	.....	.....	D-543339-	.....	.....	.....	D-490109-	D-543341-	D-543341-
86A.....	.....	D-543366-	.....	.....	.....	.....	.....	.....	.....
88A.....	.....	.....	.....	.....	.....	.....	D-49973-	D-543214-	D-543214-
Black.....	AR	A	A	A	A	A	A	A	A
Sand Beige.....	BR	B	B	B	B	B	B	B	B
Dawn Gray.....	CR	C	C	C	C	C	C	C	C
Jade Green.....	DR	D	D	D	D	D	D	D	D
Classic Ivory.....	ER	E	E	E	E	E	E	E	E
Garnet Red.....	FR	F	F	F	F	F	F	F	F
Turquoise.....	GR	G	G	G	G	G	G	G	G
Sunlight Yellow.....	JR	J	J	J	J	J	J	J	J
Camellia Pink.....	LR	L	L	L	L	L	L	L	L
Forget-Me-Not Blue.....	KR	K	K	K	K	K	K	K	K
Gardenia White.....	MR	M	M	M	M	M	M	M	M

COLOR—ADD PROPER
SUFFIX TO ORDER NO.

GROUP V—Paystation Replacement Parts**General**

This section contains a list of replacement parts for Types LPA-80, LPB-80, and LPA-90 series paystations. The replacement parts listed represent those parts which provide adequate paystation replacement parts coverage.

Scope

Replacement parts are included for the prepay, local prepay, and semi-postpay paystations. Where applicable, the “two nickel” (55) and “dime only” (10) mechanisms replacement parts are included. The individual paystation designations are listed in the chart below:

Prepay	Semi-Postpay	Local Prepay
LPA-82-55	LPA-86-55-10	LPA-89-55
LPA-92-55	LPA-96-55-10	LPA-99-55
LPB-82-55	LPB-86-55-10	LPB-89-55

Use of Tables

Parts that are common to both Types LPA and LPB in the 80 and 90-series paystations are listed in the first, third, and fifth columns of Table I. Those parts which are not used in the LPB series paystations, but appear on the first, third, and fifth columns of Table I, are marked with two asterisks. Those parts peculiar to LPB series paystations alone are listed separately in Table II.

To find the part number of a specific item, turn to the applicable illustration, locate the item and note the associated callout number. Turn to Table I and under the column titled “Item No.” locate the callout number. If the item Order No. is followed by two asterisks, that part is peculiar to LPA series paystations alone. Proceed to Table II for LPB series paystation Order Nos.

The items that appear in Tables I and II and do not list an “Item No.” are either part of an assembly that is called out, or are not shown in the figures.

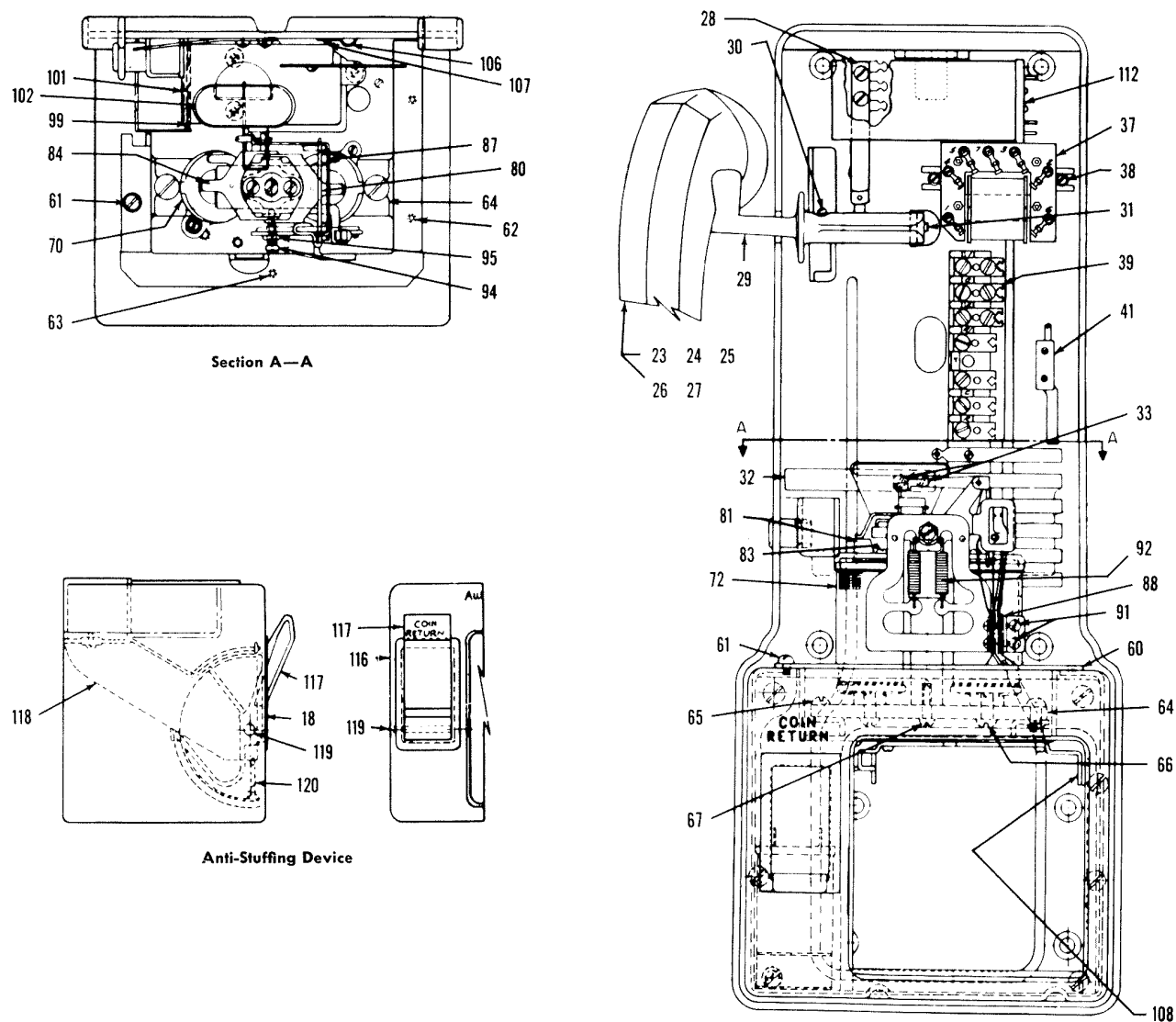


Figure 1—Types LPA-82, LPA-92 and LPB-82

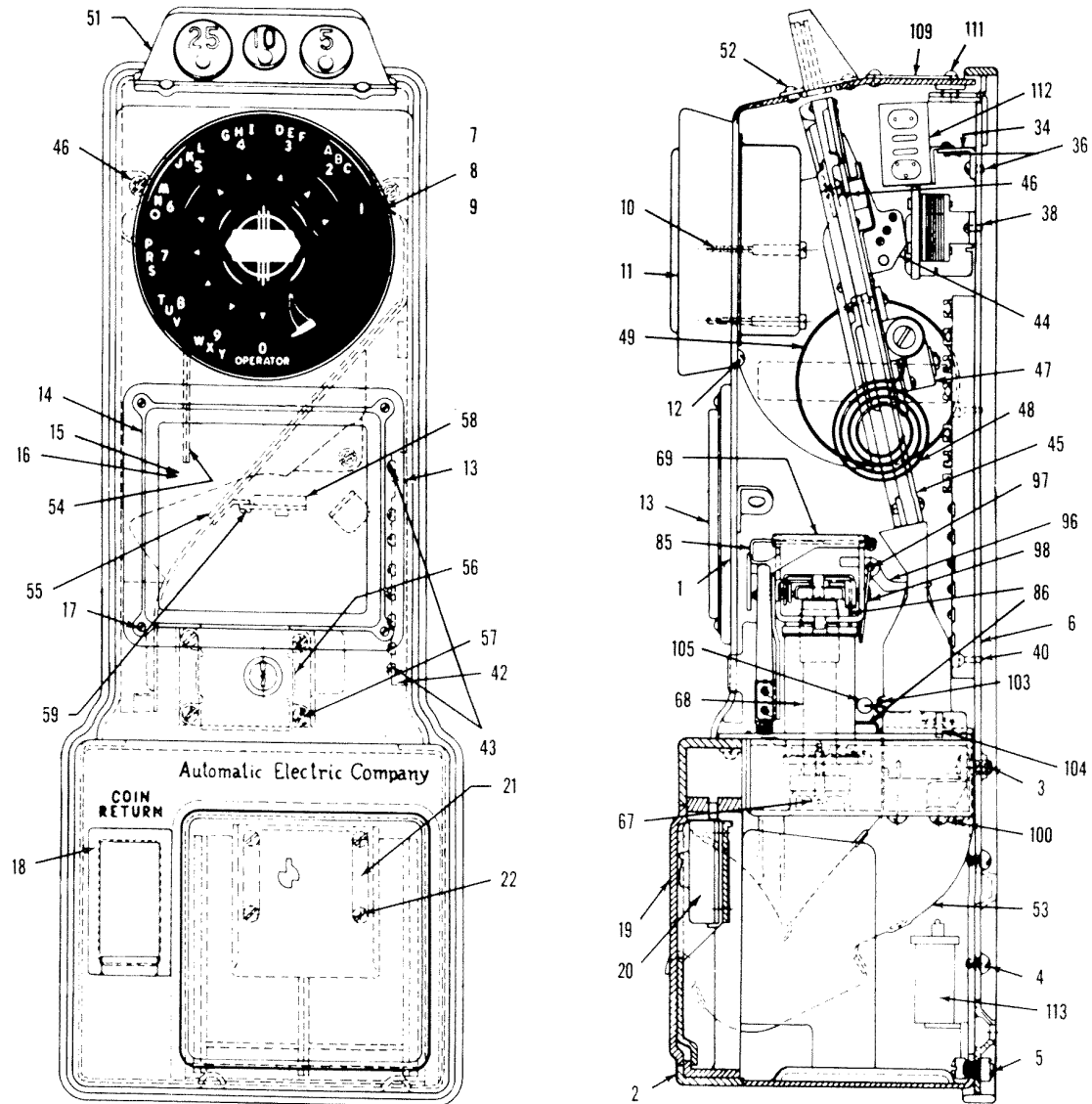


Figure 1—Types LPA-82, LPA-92 and LPB-82

NOTE: Item Nos. 34, 58, 59 and 113 are not used on Type LPB-82 Paystations.

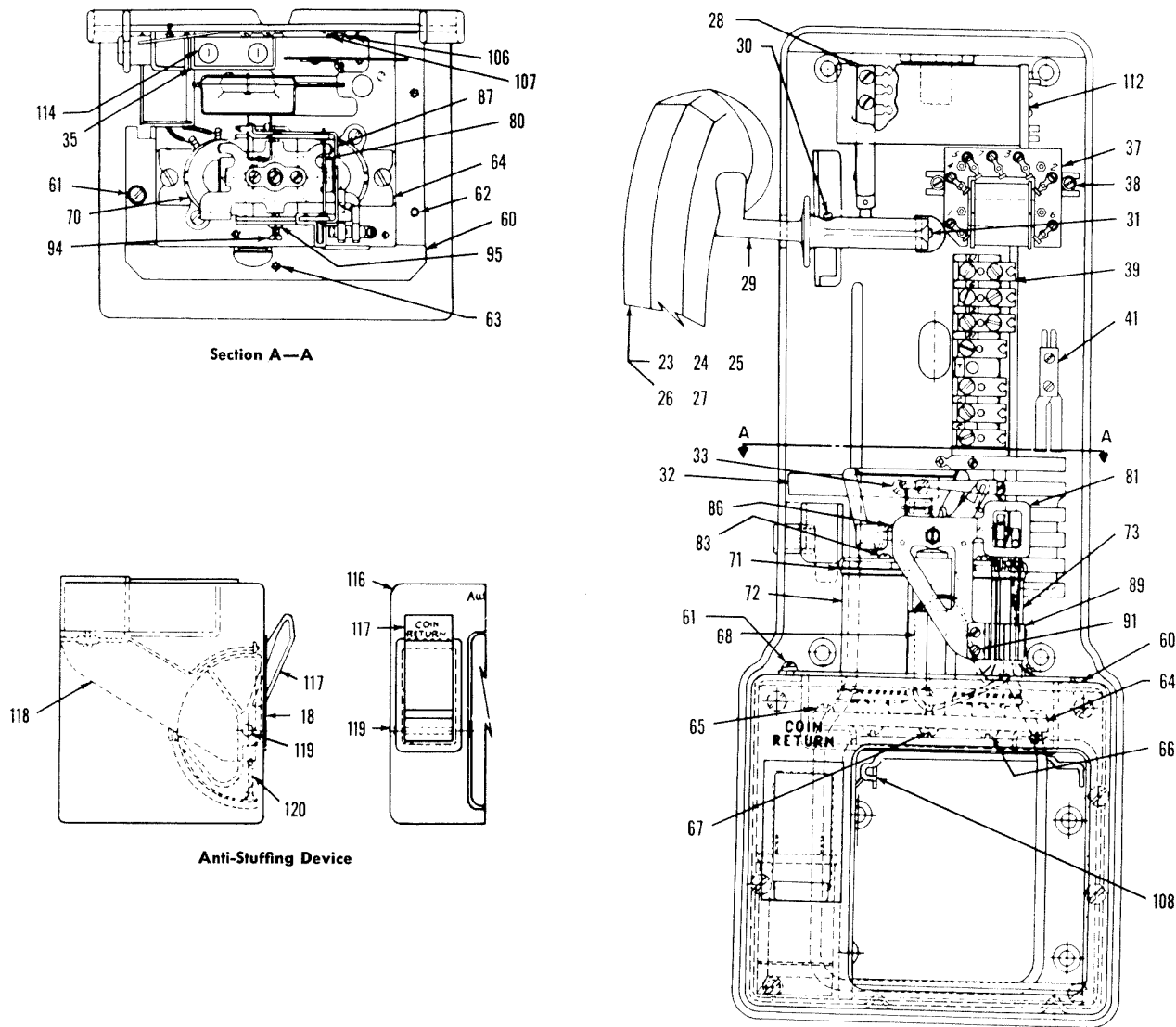


Figure 2—Types LPA-86, LPA-96 and LPB-86

P-88

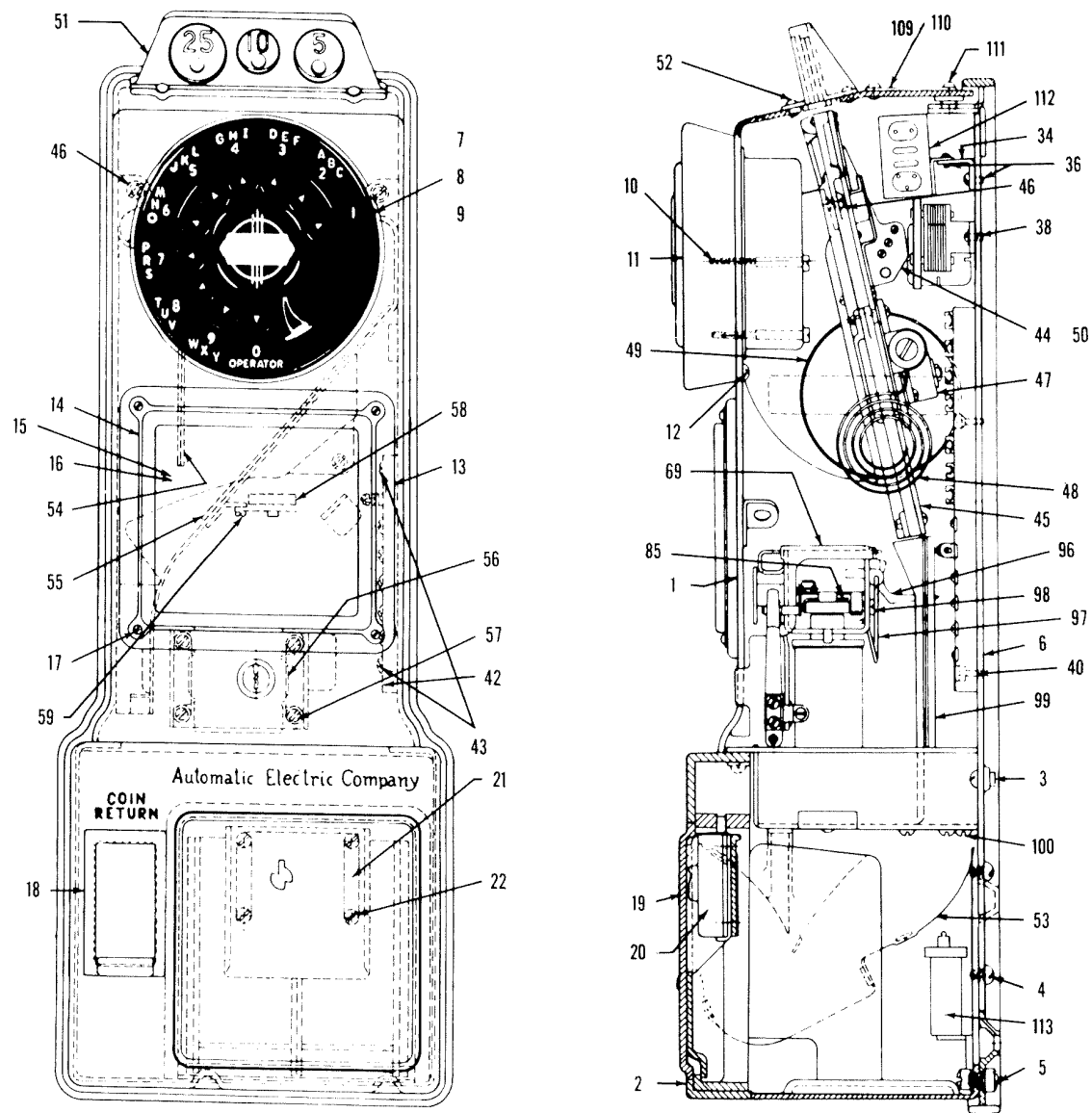


Figure 2—Types LPA-86, LPA-96 and LPB-86

NOTE: Item Nos. 34, 58, 59 and 113 are not used on Type LPB-86 paystations.

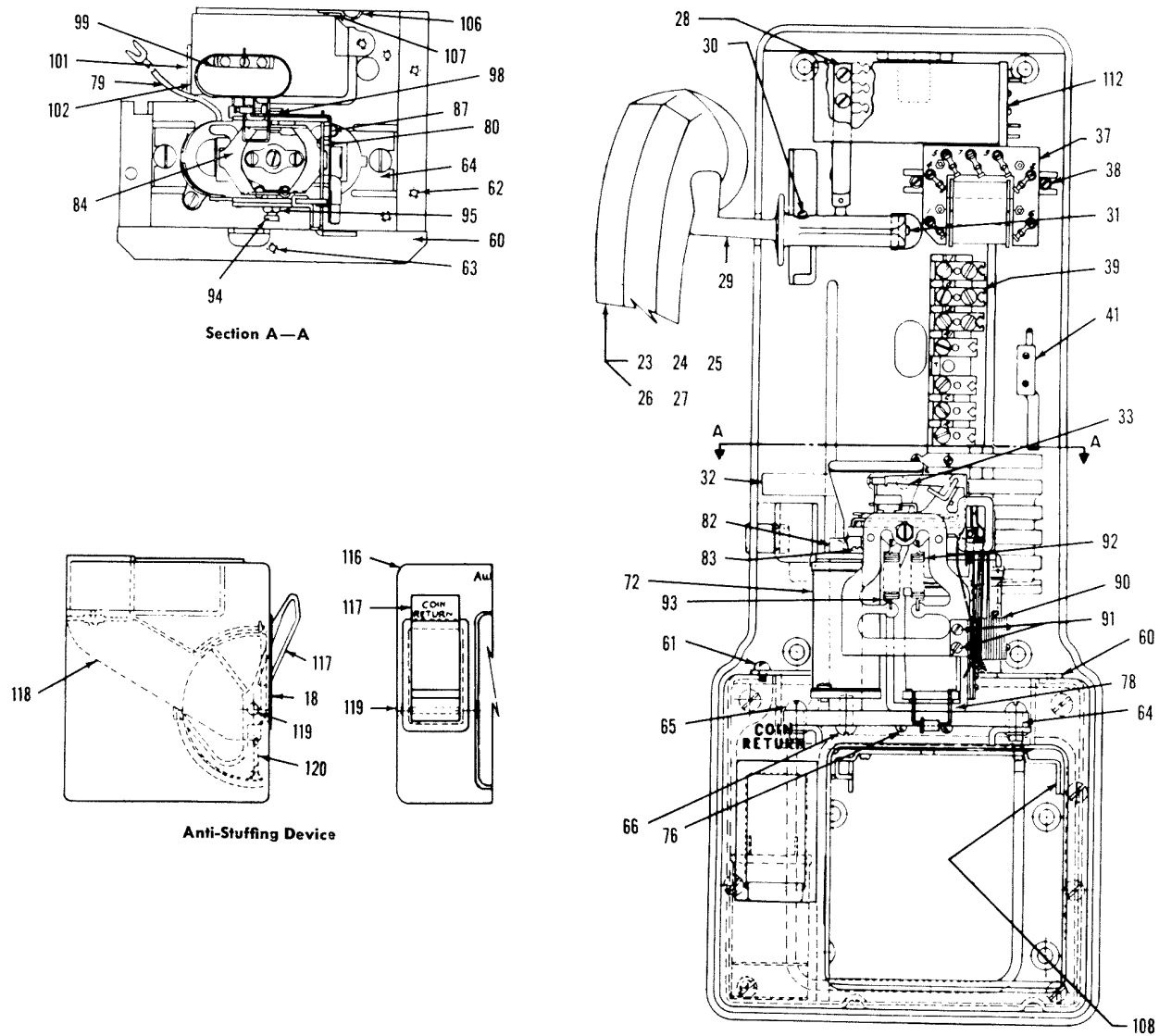


Figure 3—Types LPA-89, LPA-99 and LPB-89

P-90

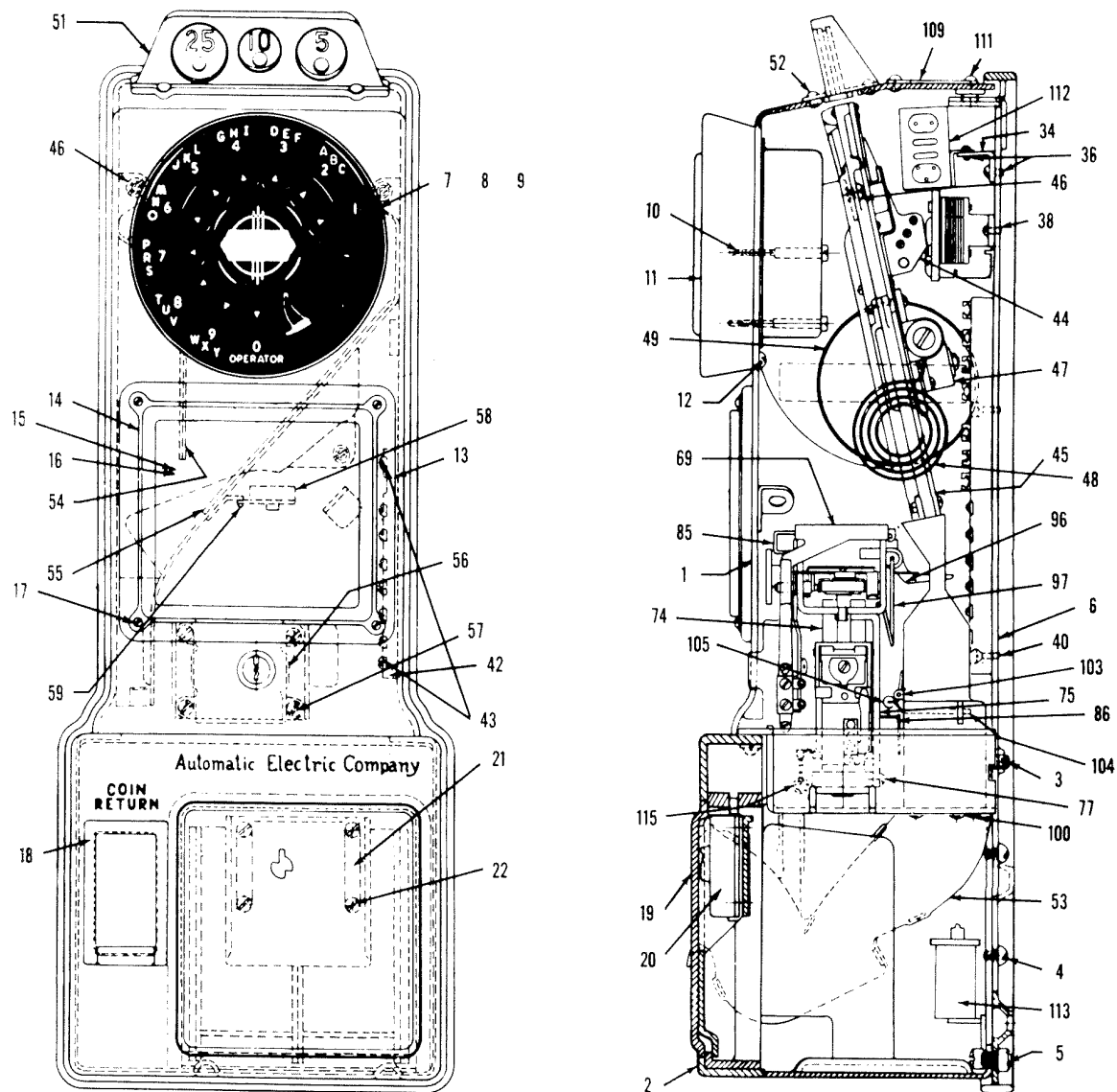


Figure 3—Types LPA-89, LPA-99 and LPB-89

NOTE: Item Nos. 34, 58, 59 and 113 are not used on Type LPB-89 paystations.

Paystation Replacement Parts

Table I

Item Num- ber	Description	Prepay (Figure 1)				Semi-Postpay (Figure 2)				Local Prepay (Figure 3)			
		LPA and LPB-82		LPA-92		LPA and LPB-86		LPA-96		LPA and LPB-89		LPA-99	
		Order No.	Amt. Reqd.	Order No.	Amt. Reqd.	Order No.	Amt. Reqd.	Order No.	Amt. Reqd.	Order No.	Amt. Reqd.	Order No.	Amt. Reqd.
1	Housing Assembly	P-60004-C	1	P-60004-C	1	P-60004-C	1	P-60004-C	1	P-60004-C	1	P-60004-C	1
2	Housing, Lower Assembly	P-60672-A	1	P-60672-A	1	P-60672-A	1	P-60672-A	1	P-60672-A	1	P-60672-A	1
3	Screw, Lower Mtg. (1/4"-28x1/2" FIL HIMS)		3		3		3		3		3		3
4	Screw, Lower Mtg. (10-32x1/4" RHIMS)		3		3		3		3		3		3
5	Screw, Lower Mtg. (1/4"-28x3/8" FIL HIMS)		1		1		1		1		1		1
6	Backplate Assembly	P-11912-A	1	P-11912-A	1	P-11912-A	1	P-11912-A	1	P-11912-A	1	P-11912-A	1
7	Dial, A.E. Co.	D-84914-A	1	D-84914-A	1	D-84914-A	1	D-84914-A	1	D-84914-A	1	D-84914-A	1
8	Dial, S.C. CE-209-44		1		1		1		1		1		1
9	Dial, Kellogg 15-G		1		1		1		1		1		1
10	Screw, Dial Mounting	D-760804-A	3	D-760804-A	3	D-760804-A	3	D-760804-A	3	D-760804-A	3	D-760804-A	3
11	Number Plate Mounting	P-11897-A	1	P-11897-A	1	P-11897-A	1	P-11897-A	1	P-11897-A	1	P-11897-A	1
12	Screw, Number Plate Mounting (8x1/2" PKRHS)	D-760890-A	3	D-760890-A	3	D-760890-A	3	D-760890-A	3	D-760890-A	3	D-760890-A	3
13	50-C Apparatus Blank	P-60002-A	1	P-60002-A	1	P-60002-A	1	P-60002-A	1	P-60002-A	1	P-60002-A	1
..	Screw, Apparatus Blank Mount- ing (8-32x1/4" RHIMS)		2		2		2		2		2		2
14	Frame, Direction Card	P-11139-A	1	P-11139-A	1	P-11139-A	1	P-11139-A	1	P-11139-A	1	P-11139-A	1
15	Window, Direction Card	P-51650	1	P-51650	1	P-51650	1	P-51650	1	P-51650	1	P-51650	1
16	Backing, Direction Card	P-51651	1	P-51651	1	P-51651	1	P-51651	1	P-51651	1	P-51651	1
17	Screw, Direction Card Frame Mounting	D-76859-A	4	D-76859-A	4	D-76859-A	4	D-76859-A	4	D-76859-A	4	D-76859-A	4
18	Escutcheon, Coin Return (Burglar Resistant Housing Only)	P-11845-A	1	P-11845-A	1	P-11845-A	1	P-11845-A	1	P-11845-A	1	P-11845-A	1
..	Door, Lock, and Key Assembly	P-60001-A	1	P-60001-A	1	P-60001-A	1	P-60001-A	1	P-60001-A	1	P-60001-A	1
19	Door (Only)	P-60028-A	1	P-60028-A	1	P-60028-A	1	P-60028-A	1	P-60028-A	1	P-60028-A	1
20	10-L Lock and Keys (10-L Key Replacement)†	P-60301	1	P-60301	1	P-60301	1	P-60301	1	P-60301	1	P-60301	1
21	Clamp Bracket, 10-L Lock Mounting	P-11205	1	P-11205	1	P-11205	1	P-11205	1	P-11205	1	P-11205	1
22	Screw, Clamp Bracket Mtg. (6-32x5/16" FHIMS)		4		4		4		4		4		4
23	Handset, A.E. Co.	L-9024-DO*	1			L-9024-DO*	1			L-9024-DO*	1		
24	Handset, N.E. Co. 598572‡		1		1		1		1		1		1
25	Handset, Kellogg 65-C‡		1		1		1		1		1		1
26	Handset, S.C. 27-C‡		1		1		1		1		1		1
27	Handset, Leich Code 220			P-51905	1			P-51905	1			P-51905	1
28	Hookswitch Assembly	P-60416	1	P-60416	1	P-60416	1	P-60416	1	P-60416	1	P-60416	1

*LPA series only; see Table II, Page P-97 for LPB series Order No.

†Replacement orders for (10-L) keys must include the serial number and prefix required.

‡Order directly from manufacturer noted.

Paystation Replacement Parts

Table I (Cont.)

Item Num- ber	Description	Prepay (Figure 1)				Semi-Postpay (Figure 2)				Local Prepay (Figure 3)			
		LPA and LPB-82		LPA-92		LPA and LPB-86		LPA-96		LPA and LPB-89		LPA-99	
		Order No.	Amt. Reqd.	Order No.	Amt. Reqd.	Order No.	Amt. Reqd.	Order No.	Amt. Reqd.	Order No.	Amt. Reqd.	Order No.	Amt. Reqd.
29	Switch Hook.....	P-60047-B	1	P-60047-B	1	P-60047-B	1	P-60047-B	1	P-60047-B	1	P-60047-B	1
30	Screw, Switch Hook (6-40x5/16" RHIMS).....		1		1		1		1		1		1
31	Rod, Switch Hook.....	P-10294	1	P-10294	1	P-10294	1	P-10294	1	P-10294	1	P-10294	1
32	Equalizing Spring.....	P-10296	1	P-10296	1	P-10296	1	P-10296	1	P-10296	1	P-10296	1
33	Screw, Equalizing Spring Mount- ing (6-40x7/32" RHIMS).....		2		2		2		2		2		2
34	Bracket, Capacitor Mtg.....	P-11433§	1	P-11433	1	P-11433§	1	P-11433	1	P-11433§	1	P-11433	1
35	Clamp, Capacitor.....					P-11434	1	P-11434	1				
36	Screw, Capacitor Mounting Bracket & Clamp (6-40x3/16" RHIMS).....		§ 4		4		6		6		§ 4		4
37	Induction Coil.....	P-60622-1*	1	P-60664	1	P-60622-1*	1	P-60664	1	P-60622-1*	1	P-60664	1
38	Screw, Induction Coil Mounting.....	D-760806-A*	2	D-760806-A	2	D-760806-A*	2	D-760806-A	2	D-760806-A*	2	D-760806-A	2
39	Terminal Block Assembly.....	P-60521-B*	1	P-60521-A	1	P-60521-B	1	P-60521-B	1	P-60521-A	1	P-60521-A	1
40	Screw, Terminal Block Mount- ing (6-40x1/2" FIL HIMS).....		2		2		2		2		2		2
41	Auxiliary Terminal Assembly.....	P-60534-A*	1	P-60534-A	1	P-60534-A*	1	P-60534-A	1	P-60534-B*	1	P-60534-B	1
42	Jack Strip Assembly.....	P-60533	1	P-60533	1	P-60533	1	P-60533	1	P-60533	1	P-60533	1
43	Screw, Jack Strip Mounting 6-32x3/16" BDG HIMS).....		2		2		2		2		2		2
	2 Nickel Mechanism & Resonator Assbly. (U.S.)||.....	P-60527-A	1	P-60527-A	1	P-60527-B	1	P-60527-B	1	P-60527-E	1	P-60527-E	1
	Chute and Resonator Assembly (U.S.)||.....	P-60526-A	1	P-60526-A	1	P-60526-A	1	P-60526-A	1	P-60526-A	1	P-60526-A	1
44	2 Nickel Mechanism Assbly.....	P-60530-C	1	P-60530-C	1	P-60530-B	1	P-60530-B	1	P-60530-A	1	P-60530-A	1
	Coil Assembly, 2 Nickel Mechanism.....	P-60659	1	P-60659	1	P-60663-2	1	P-60663-2	1	P-60663-1	1	P-60663-1	1
	Microswitch and Armature Assembly.....	P-60523	1	P-60523	1	P-60523	1	P-60523	1	P-60523	1	P-60523	1
45	Coin Chute Assembly (U.S.)||.....	P-60525-A	1	P-60525-A	1	P-60525-A	1	P-60525-A	1	P-60525-A	1	P-60525-A	1
46	Screw, Coin Chute Mtg.....	D-760803-A	3	D-760803-A	3	D-760803-A	3	D-760803-A	3	D-760803-A	3	D-760803-A	3
47	Resonator Assembly.....	P-60013-A	1	P-60013-A	1	P-60013-A	1	P-60013-A	1	P-60013-A	1	P-60013-A	1
	Signal Transmitter.....	H-47855-1	1	H-47855-1	1	H-47855-1	1	H-47855-1	1	H-47855-1	1	H-47855-1	1
	Cord Signal Transmitter.....	D-543069-D	1	D-543069-D	2	D-543069-D	2	D-543069-D	2	D-543069-D	1	D-543069-D	2
48	Gong Assembly.....	P-60105	1	P-60105	1	P-60105	1	P-60105	1	P-60105	1	P-60105	1
	Gong Dampener.....	P-11136	1	P-11136	1	P-11136	1	P-11136	1	P-11136	1	P-11136	1
	Screw, Gong Mounting (10-32x3/4" FHIMS).....		1		1		1		1		1		1
	Nut, Hex. Gong Mounting.....	D-7705-A	1	D-7705-A	1	D-7705-A	1	D-7705-A	1	D-7705-A	1	D-7705-A	1
49	Bell Assembly.....	P-10307	1	P-10307	1	P-10307	1	P-10307	1	P-10307	1	P-10307	1
	Washer, Bell.....	P-11137	1	P-11137	1	P-11137	1	P-11137	1	P-11137	1	P-11137	1

.. Screw, Bell Mounting (10-32x $\frac{3}{8}$ " FHIMS).....	1	1	1	1	1	1	1
.. Chute, Rejector & Resonator Assbly. (U.S.)||.....			P-60556-A	1	P-60556-A	1	
.. Chute and Rejector Assembly (U.S.)||.....			P-60555-A	1	P-60555-A	1	
50 Rejector Assembly.....			P-60537-A	1	P-60537-A	1	
.. Coil Assembly, Rejector.....			P-60663-2	1	P-60663-2	1	
51 Coin Gauge (U.S.)||.....	P-60612	1	P-60612	1	P-60612	1	P-60612
52 Rivet, Coin Gauge Mounting.....	MP-4133-H	4	MP-4133-H	4	MP-4133-H	4	MP-4133-H
53 Refund Chute Assembly (Standard).....	P-60030-A	1	P-60030-A	1	P-60030-A	1	P-60030-A
54 Felt, Bell Guard Material.....	P-11157	1	P-11157	1	P-11157	1	P-11157
55 Felt, Coin Chute Material.....	P-11156	1	P-11156	1	P-11156	1	P-11156
56 29-S Lock Assembly.....	P-60298	1	P-60298	1	P-60298	1	P-60298
.. 29-S Key.....	P-11487	1	P-11487	1	P-11487	1	P-11487
57 Screw, 29-S Lock Mounting.....	D-760805-A	4	D-760805-A	4	D-760805-A	4	D-760805-A
58 Compensator Unit.....	P-60619-1§	1	P-60619-1§	1	P-60619-1§	1	
59 Screw, Compensator Bracket Mounting.....	D-760806-A§	1	D-760806-A§	1	D-760806-A§	1	
.. Wire Compensator Lead (Black).....	D-543069-AJ§	1	D-543069-AJ§	1	D-543069-AJ§	1	
60 Mechanism Base.....	P-10316	1	P-10316	1	P-10316	1	P-10316
61 Screw, Mechanism Base and Return Chute Mounting (8-36x7/32" RHIMS).....		4		4		4	
62 Screw, Mechanism Base Mount- ing (8-32x3/16" RHIMS).....		1		1		1	
63 Screw, Mechanism Base Mount- ing (thru Lock Slot).....	D-760841-A	1	D-760841-A	1	D-760841-A	1	D-760841-A
64 Heel Plate.....	P-11285	1	P-11285	1	P-11285	1	P-11285
65 Screw, Heel Plate Mounting (14-24x $\frac{1}{2}$ " RHIMS).....		2		2		2	
66 Screw, Relay Mounting (14-24x $\frac{1}{2}$ " RHIMS).....		2		2		2	1
67 Screw, Magnet Mounting (10-32x $\frac{1}{2}$ " RHIMS).....		1		1		1	
68 Magnet Assembly.....	P-60569	1	P-60569	1	P-60569	1	
69 Mechanism Unit Assembly.....	P-60080	1	P-60080	1	P-60579-A*	1	P-60647
70 Relay (Only).....	P-60303-B	2	P-60303-B	2	P-60549-A*	1	
71 Insulator.....					P-11463	1	
72 Coil Assembly.....	P-60120	2	P-60120	2	P-60578-A	1	P-60120
73 Coil Assembly (83 Ohms).....					P-60586	1	
74 Collect Magnet and Latch Assembly.....						P-60643	1
75 Support Bracket, Collect Magnet and Latch Assembly..						P-11883	1
76 Screw, Heel Piece Mounting (8-32x $\frac{3}{8}$ " RHIMS).....							2

*LPA series only; see Table II, Page P-97 for LPB series Order No.

§LPA series only; not used on LPB series.

||Specify if for other than U.S. coinage.

Paystation Replacement Parts Table I (Cont.)

Item Num- ber	Description	Prepay (Figure 1)				Semi-Postpay (Figure 2)				Local Prepay (Figure 3)			
		LPA and LPB-82		LPA-92		LPA and LPB-86		LPA-96		LPA and LPB-85		LPA-99	
		Order No.	Amt. Reqd.	Order No.	Amt. Reqd.	Order No.	Amt. Reqd.	Order No.	Amt. Reqd.	Order No.	Amt. Reqd.	Order No.	Amt. Reqd.
77	Screw, Support & Bracket Mounting (5-40x5/16" RHIMS)										1		1
78	Heel Piece, Collect Magnet									P-11885-A	1	P-11885-A	1
79	Wire, Lead									D-543070-BB	1	D-543070-BB	1
80	Pin, Switch Lever	P-50606	1	P-50606	1	P-50606	1	P-50606	1	P-50606	1	P-50606	1
81	Core, Screw, and Frame Assembly	P-60196	1	P-60196	1	P-60495	1	P-60495	1				
82	Core, Frame, and Bracket Assembly									P-60646	1	P-60646	1
..	Core (Only)	P-11452	2	P-11452	2	P-11452	2	P-11452	2	P-11876	1	P-11876	1
83	Screw, Frame Mounting (6-40x5/16" RHBRMS)		2		2		2		2		1		1
84	Restoring Lever	P-11321	2	P-11321	2					P-11875	2	P-11875	2
85	Armature and Bracket Assembly	P-60197	1	P-60197	1	P-60197	1	P-60197	1	P-60641	1	P-60641	1
86	Operating Armature Assbly	P-60199	1	P-60199	1	P-60178	1	P-60178	1	P-60199	1	P-60199	1
..	Operating Armature (Only)	P-11323	1	P-11323	1	P-11329	1	P-11329	1	P-11323	1	P-11323	1
..	Roller, Operating Armature Assembly	P-11325	1	P-11325	1	P-11331	4	P-11331	4	P-11325	1	P-11325	1
..	Stud, Operating Armature Assembly	P-11324	1	P-11324	1	P-11330	2	P-11330	2	P-11324	1	P-11324	1
87	Switch Lever Assembly	P-60198	1	P-60198	1	P-60193	1	P-60193	1	P-60198	1	P-60198	1
88	Ground Switch Assembly	P-60190	1	P-60190	1								
89	Line Switch Assembly					P-60587-A*	1	P-60587-C	1				
..	Cable, Line Switch					P-60682-B	1	P-60667-2	1				
90	Automatic Ground Switch Assembly									P-60644	1	P-60644	1
91	Screw, Switch Mounting (4-48x3/16" RHIMS)		2		2		2		2		2		2
92	Restoring Spring	P-50609	2	P-50609	2					P-50609	1	P-50609	1
93	Restoring Spring									P-51847	1	P-51847	1
94	Pivot Screw	P-11290	1	P-11290	1	P-11290	1	P-11290	1	P-11290	1	P-11290	1
95	Nut, Hex	D-7705-A	1	D-7705-A	1	D-7705-A	1	D-7705-A	1	D-7705-A	1	D-7705-A	1
96	Trigger, Coin	P-11406	1	P-11406	1	P-11406	1	P-11406	1	P-11406	1	P-11406	1
97	Pin, Coin Trigger	P-50607	1	P-50607	1	P-50607	1	P-50607	1	P-50607	1	P-50607	1
98	Pivot Screw	P-11289	1	P-11289	1	P-11289	1	P-11289	1	P-11289	1	P-11289	1
99	Coin Hopper Assembly	P-60205	1	P-60205	1	P-60179	1	P-60179	1	P-60205	1	P-60205	1
100	Screw, Coin Hopper Mounting (8-36x1/4" RHIMS)		3		3		3		3		3		3
101	Coin Shield	P-11341	1	P-11341	1					P-11341	1	P-11341	1
102	Pin, Coin Shield	P-11340	1	P-11340	1					P-11340	1	P-11340	1
103	Pin, Trap Bottom	P-50608	1	P-50608	1					P-50608	1	P-50608	1
104	Vane Assembly	P-60204	1	P-60204	1					P-60204	1	P-60204	1
105	Trap Assembly	P-60206	1	P-60206	1					P-60206	1	P-60206	1
106	Clamp, Cable	P-10298	1	P-10298	1	P-10298	1	P-10298	1	P-10298	1	P-10298	1

107 Screw, Cable Clamp (6-40x3/16" RHIMS).....	1	1	1	1	1	1	1	1
108 Rail, Self-Locking Receptacle Mounting.....	P-11191	P-11191	P-11191	P-11191	P-11191	P-11191	P-11191	P-11191
... Screw, Rail Mounting (8-36x3/16" RHIMS).....	3	3	3	3	3	3	3	3
... Screw, Rail Mounting (5-40x3/16" RHIMS).....	1	1	1	1	1	1	1	1
109 Patent Plate:								
LPA-82-55.....	P-11844-D35*	1						
LPA-92-55.....		P-11844-D47	1					
LPA-86-55.....			P-11844-D40*	1				
LPA-96-55.....				P-11844-D50	1			
LPA-89-55.....					P-11844-D41*	1		
LPA-99-55.....						P-11844-D54	1	
110 Patent Plate:								
LPA-86-10.....			P-11844-D37*	1				
LPA-96-10.....				P-11844-D49	1			
111 Rivet, Patent Plate Mounting...	MP-4133-H	4	MP-4133-H	4	MP-4133-H	4	MP-4133-H	4
112 Capacitor.....	D-68713-A*	1	D-68811-A	1	D-68713-A*	1	D-68713-A*	1
113 Capacitor.....	D-68715-A§	1		D-68715-A§	1	D-68715-A§	1	
114 Capacitor (2.5 Mf).....				D-68286-A	1	D-68286-A	1	
115 Silicon Rectifier.....							FD-1029-DF	1
... Lower Housing with Anti- Stuffing Device.....	P-60618-A	1	P-60618-A	1	P-60618-A	1	P-60618-A	1
116 Lower Housing (Only).....	P-60673-A	1	P-60673-A	1	P-60673-A	1	P-60673-A	1
117 Anti-Stuffing Device.....	P-11858	1	P-11858	1	P-11858	1	P-11858	1
118 Coin Refund Chute Assbly.....	P-60617	1	P-60617	1	P-60617	1	P-60617	1
119 Pin, Swivel.....	P-11848	1	P-11848	1	P-11848	1	P-11848	1
120 Spring, Restoring Coil.....	P-51804	1	P-51804	1	P-51804	1	P-51804	1

Parts Not Shown

... Relay Shield.....	P-11793	1	P-11793	1	P-11793	1	P-11793	1
... Spring Clip, Relay Shield Mounting.....	P-51835	1	P-51835	1	P-51835	1	P-51835	1
... Direction Card:								
LPA, LPB-82-55.....	P-51586	1						
LPA-92-55.....		P-51586	1					
LPA, LPB-86-55.....			P-51744	1				
LPA-96-55.....				P-51744	1			
LPA, LPB-89-55.....					P-51586	1		
LPA-99-55.....						P-51586	1	
... Direction Card:								
LPA, LPB-86-10.....			P-51599	1				
LPA-96-10.....				P-51599	1			
... Trigger Spring.....	P-50235	1	P-50235	1		P-50235	1	P-50235

*LPA series only; see Table II, Page P-97 for LPB series Order No.
§LPA series only; not used on LPB series.

Paystation Replacement Parts

Table I (Cont.)

Parts Not Shown

Item Num- ber	Description	Prepay (Figure 1)				Semi-Postpay (Figure 2)				Local Prepay (Figure 3)			
		LPA and LPB-82		LPA-92		LPA and LPB-86		LPA-96		LPA and LPB-89		LPA-99	
		Order No.	Amt. Reqd.	Order No.	Amt. Reqd.	Order No.	Amt. Reqd.	Order No.	Amt. Reqd.	Order No.	Amt. Reqd.	Order No.	Amt. Reqd.
...	Resistor: 60 Ohm.....	D-284080-C2*	1			D-284080-C2*	1			D-284080-C2*	1		
	2.2 Ohm.....							D-284080-A69	1				
	18 Ohm.....					D-284080-B83*	1						
	68 Ohm.....			D-284080-A2	1			D-284080-A2	1			D-284080-A2	1
	8.2 Ohm.....					D-284080-A45	1	D-284080-A45	1				
	22 Ohm.....			D-284081-A43	1			D-284081-A43	1			D-284081-A43	1
	200 Ohm.....			D-284080-B39	1			D-284080-B39	1			D-284080-B39	1
	100 Ohm.....	D-284080-A73	1			D-284080-A73	1			D-284080-A73	1		
...	Terminal.....			D-15444-A	1			D-15444-A	1			D-15444-A	1
...	Circuit Label: LPA-82-55.....	P-51829*	1										
	LPA-92-55.....			P-51919	1								
	LPA-86-55.....					P-51846*	1						
	LPA-96-55.....							P-51916	1				
	LPA-89-55.....									P-51854*	1		
	LPA-99-55.....											P-51922	1
...	Circuit Label: LPA-86-10.....					P-51831*	1						
	LPA-96-10.....							P-51915	1				
...	Receptacle, 2A Open Type.....	P-60152	1	P-60152	1	P-60152	1	P-60152	1	P-60152	1	P-60152	1
...	Receptacle, 6001-B Self-Locking.....	P-70251	1	P-70251	1	P-70251	1	P-70251	1	P-70251	1	P-70251	1
...	Receptacle (Only) Type 1-B.....	P-60150	1	P-60150	1	P-60150	1	P-60150	1	P-60150	1	P-60150	1
...	Locking Cover (Only).....	P-60311	1	P-60311	1	P-60311	1	P-60311	1	P-60311	1	P-60311	1
...	Main Cable Assembly.....	P-60681*	1	P-60666	1	P-60682-A*	1	P-60667-1	1	P-60651*	1	P-60671	1
...	Wiring Assembly.....	P-60620-A*	1	P-60668	1	P-60621*	1	P-60669	1	P-60648*	1	P-60670	1
...	Dial Wire: (ORN).....	D-543069-AS	1	D-543069-AS	1	D-543069-AS	1	D-543069-AS	1	D-543069-AS	1	D-543069-AS	1
	(WHT).....	D-543069-AT	1	D-543069-AT	1	D-543069-AT	1	D-543069-AT	1	D-543069-AT	1	D-543069-AT	1
	(BLK).....	D-543069-AU	1	D-543069-AU	1	D-543069-AU	1	D-543069-AU	1	D-543069-AU	1	D-543069-AU	1
	(RED).....	D-543069-AV	1	D-543069-AV	1	D-543069-AV	1	D-543069-AV	1	D-543069-AV	1	D-543069-AV	1
	(GRN).....	D-543069-AW	1	D-543069-AW	1	D-543069-AW	1	D-543069-AW	1	D-543069-AW	1	D-543069-AW	1
...	Sidetone Balancing Impedance Unit.....	P-60657†	1			P-60657†	1			P-60657†	1		
...	Varistor (Receiver Click).....	P-51409*	1			P-51409*	1			P-51409*	1		
...	Varistor (V1).....			FD-1029-BN	1			FD-1029-BN	1			FD-1029-BN	1
...	Varistor (V2).....			FD-1029-BM	1			FD-1029-BM	1			FD-1029-BM	1
...	Silicon Carbide Disc.....											D-284266-B	1
...	Oversize Card Holder.....	P-60574-A	1	P-60574-A	1	P-60574-A	1	P-60574-A	1	P-60574-A	1	P-60574-A	1
...	Screw, Oversize Card Holder Mounting.....	D-760809-A	4	D-760809-A	4	D-760809-A	4	D-760809-A	4	D-760809-A	4	D-760809-A	4
...	Lock Washers, Oversize Card Holder Mounting.....	D-17170-F	4	D-17170-F	4	D-17170-F	4	D-17170-F	4	D-17170-F	4	D-17170-F	4
...	Nut, Hex, Oversize Card Holder Mounting.....	D-77358-A	4	D-77358-A	4	D-77358-A	4	D-77358-A	4	D-77358-A	4	D-77358-A	4

*LPA series only; see Table II, Page P-97 for LPB series Order No.

†LPA series only.

Paystation Replacement Parts

Table II

Item Num- ber	Description	Prepay (Figure 1) LPB-82		Semi-Postpay (Figure 2) LPB-86		Local Prepay (Figure 3) LPB-89	
		Order No.	Amt. Reqd.	Order No.	Amt. Reqd.	Order No.	Amt. Reqd.
23	Handset, A.E. Co.....	L-9053-DA	1	L-9053-DA	1	L-9053-DA	1
37	Induction Coil.....	D-284476-B	1	D-284476-B	1	D-284476-B	1
38	Screw, Induction Coil Mounting (6-40x3/16" RHIMS).....		2		2		2
39	Terminal Block Assembly.....	P-60521-A	1	P-60521-B	1	P-60521-A	1
	Insulator.....	P-11305	3	P-11305	3	P-11305	3
	Clamping Plate.....	P-11350	1	P-11350	1	P-11350	1
	Transfer Spring.....	P-11775	1	P-11775	1	P-11775	1
41	Bushing.....	P-11907	2	P-11907	2	P-11907	2
	Screw, Transfer Spring Mounting (6-40x3/8" RHIMS).....		2		2		2
	Wire, Auxiliary Transfer Spring.....	D-543070-CA	1	D-543070-EC	1	D-543070-EE	1
69	Mechanism Unit Assembly.....		..	P-60579-D	1		..
70	Relay (Only).....		..	P-60549-D	1		..
89	Line Switch Assembly.....		..	P-60587-C	1		..
109	Patent Plate:						
	LPB-82-55.....	P-11844-D56	1		..		..
	LPB-86-55.....		..	P-11844-D60	1		..
	LPB-89-55.....		..		..	P-11844-D63	1
110	Patent Plate LPB-86-10.....		..	P-11844-D59	1		..
112	Capacitor Assembly.....	D-68810-A	1	D-68810-A	1	D-68810-A	1

Parts Not Shown

...	Resistor:						
	43 Ohm.....	D-284080-B91	1	D-284080-B91	1	D-284080-B91	1
	220 Ohm.....	D-284080-A74	1	D-284080-A74	1	D-284080-A74	1
...	Circuit Label:						
	(55).....	P-51926	1	P-51930	1	P-51933	1
	(10).....		..	P-51929	1		..
...	Main Cable Assembly.....	P-60683	1	P-60684	1	P-60685	1
...	Wiring Assembly.....	P-60686	1	P-60687	1	P-60688	1
...	Varistor:						
	(V11).....	D-284266-H	1	D-284266-H	1	D-284266-H	1
	(V22).....	D-284266-J	1	D-284266-J	1	D-284266-J	1