

REPLACEMENT PARTS

for Automatic Electric Telephones
Special Telephones
Substation Equipment

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AUTOMATIC ELECTRIC



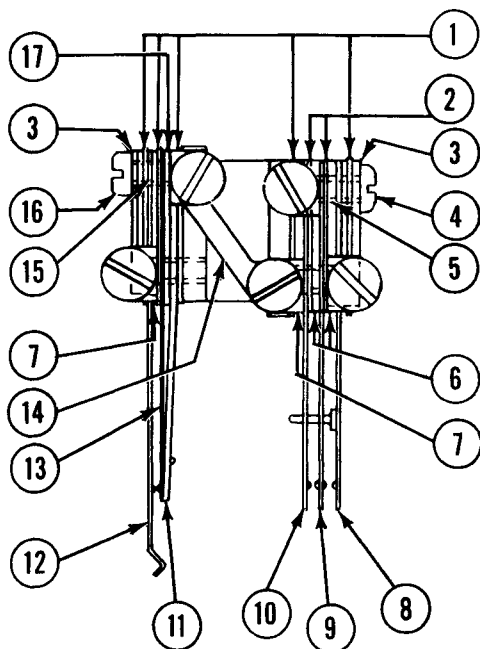
Subsidiary of

GENERAL TELEPHONE & ELECTRONICS

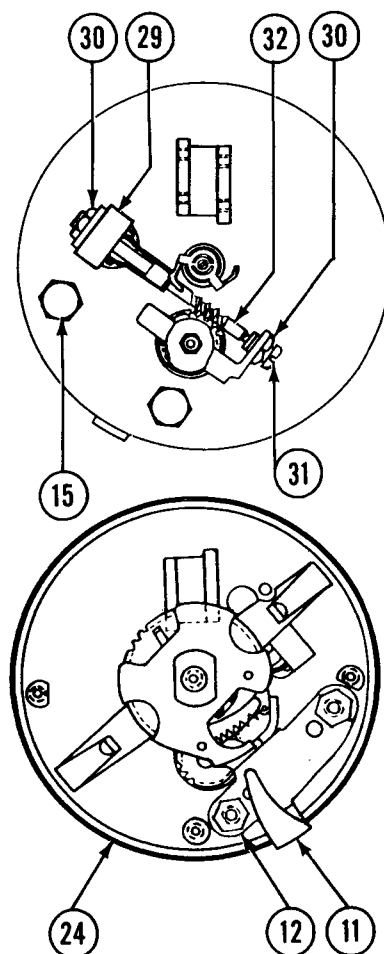
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Dial Spring Combination

Fig. No.	Description	No. Req.	Order No.
1.	Thick Double Hole Insulator	5	D-440292-A
2.	Thin Double Hole Insulator	2	D-440292-B
3.	Double Hole Washer	2	D-17217-A
4.	Screw (Spl. Pan. HMS)	2	D-76705-F
5.	Bushing	2	D-75168-A
6.	Terminal Assembly	2	D-15453-A
7.	Terminal Assembly	2	D-15465-A
8.	Shunt Spring	1	D-103772-A
9.	Shunt Spring	1	D-103774-A
10.	Shunt Spring	1	D-103775-A
11.	Stop Spring Assembly	1	D-109784-A
12.	Impulse Spring	1	D-103778-A
13.	Impulse Spring	1	D-103777-A
14.	Terminal Link	1	D-6138-A
15.	Bushing	2	D-75511-A
16.	Screw (Spl. Pan. HMS)	2	D-76705-G
17.	Double Hole Washer	1	D-17216-B



Dial Spring Combination



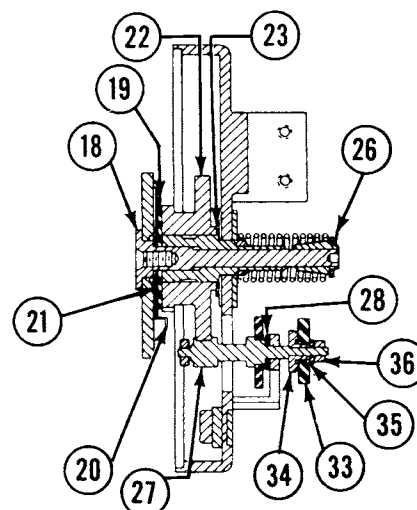
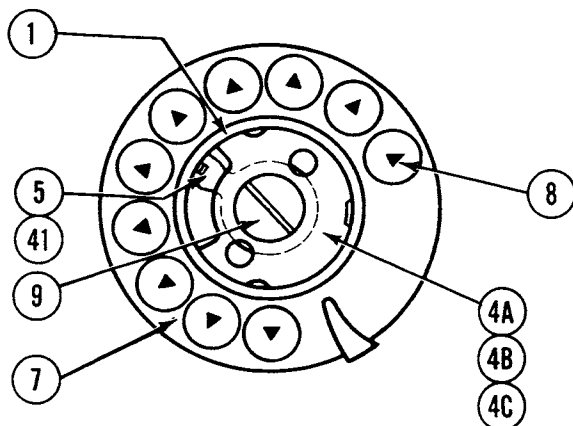
Type 51A and 52 Dial Assembly

Type 51A and Type 52 Dial

Order Nos.

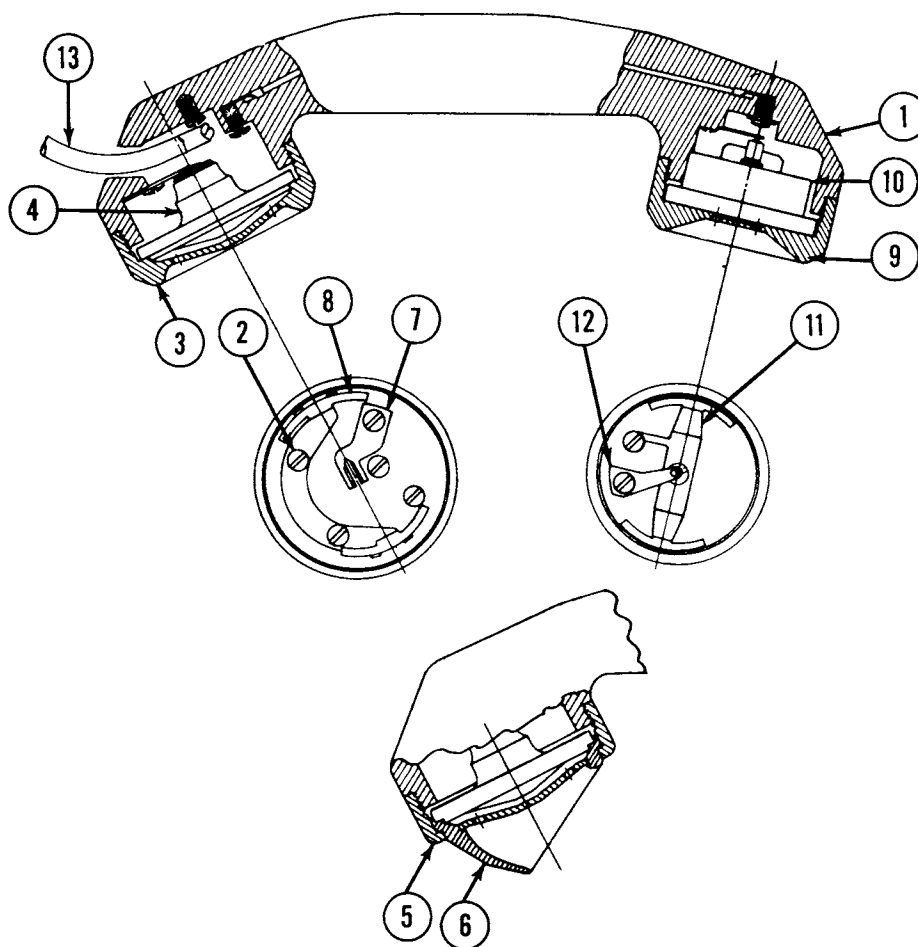
Fig. No.	Description	No. Req.	51A	Black	52	Color
1.	Escutcheon Ring {Black {Chrome	1	D-65112-D	D-65112-D		D-65510-A
2.	Celluloid Cover	1	D-53176-A	D-53176-A		D-53176-A
3.	Dial Card {Black {White	1	D-52620-A	D-53620-A		D-530182-A
4A.	Escutcheon Card Clamping Plate	1	D-78541-A			
4B.	Dial Card Black Clamping Plate	1		D-78541-A		
4C.	Dial Card Clamping Plate	1				D-780699-A
5.	Escutcheon Lock	1	D-5886-A	D-5886-A		
6.	Escutcheon Locking Plate	1				D-780698-A
7.	Dial Finger Plate {Black {Clear Plastic	1	D-780649-A	D-780649-A		
8.	• Dial Plate Point Marking	1	D-530114-A			D-780697-A
9.	• Finger Plate Screw {Mounting {5-40 Spl. Fil. HDS	1	D-76312-A	D-76312-A		
10.	• Round Iron Washer	1				D-760777-A
11.	Finger Stop	1	D-33121-C	D-33128-A		D-17630-A
12.	• Finger Stop Screw {Standard {5-40 Spl. Fil. HDIMS	2	D-76309-A			D-33128-A
13.	Bearing and Stop Bracket	1		D-760768-A		D-760768-A
14.	• Bearing and Stop Bracket Screw (8-32 Spl. Hex HDIMS)	2	D-760769-A	D-731513-A		D-731513-A
15.	• Bearing and Stop Bracket Hex Nut (8-32)	2	D-77303-A	D-760769-A		D-760769-A
16.	Number Plate {51A (1-0) {51A (ABC) {Extended Dial	1	D-53146-A	D-7700-A		D-7700-A
17.	• Number Plate Screw (4-36 Spl. Pan. PHHIMS)	1	D-53772-A			
18.	Shaft Assembly	3		D-530167-A		D-530167-A
19.	• Fibre Silencer Washer	1	D-46192-A	D-760767-A		D-760767-A
20.	• Silencer Pawl Lever	1	D-440297-A	D-46192-A		D-46192-A
21.	• Silencer Washer	1	D-16356-A	D-440297-A		D-440297-A
22.	• Ratchet Gear	1	D-17592-A	D-16356-A		D-16356-A
23.	• Lower Thrust Washer	1	D-4373-A	D-17592-A		D-17592-A
24.	Dial Base Assembly	1	D-17219-A	D-4373-A		D-4373-A
25.	• Spring Combination	1	D-780300-A	D-17219-A		D-17219-A
26.	Main Spring Assembly	1	NP-15-A4	D-780688-A		D-780688-A
27.	Worm Gear Assembly	1	D-109112-A	NP-15-A4		NP-15-A4
28.	• Worm Wheel Washer	1	D-43042-A	D-109112-A		D-109112-A
29.	Governor Cup Assembly	1	D-17138-A	D-43042-A		D-43042-A
30.	• Governor Bearing Hex Nut (8-40)	2	D-2791-A	D-17138-A		D-17138-A
31.	• Governor Bearing Screw	1	D-77041-A	D-2791-A		D-2791-A
32.	Governor Worm Assembly	1	D-76313-A	D-77041-A		D-77041-A
33.	Impulse Cam	1	D-64057-A	D-76313-A		D-76313-A
34.	• Impulse Cam Hub	1	D-83004-A	D-64057-A		D-64057-A
35.	• Impulse Cam Lock Washer	1	D-82102-A	D-83004-A		D-83004-A
36.	• Impulse Cam Lock Nut	1	D-17530-A	D-82102-A		D-82102-A
	Only Used with Type 82 Dial Lighted Telephone (ABC)		D-77333-A	D-17530-A		D-17530-A
37.	Lamp	1		D-77333-A		D-77333-A
38.	Lamp Insulator	1		FD-1023-AN		FD-1023-AN
39.	Number Plate	1		D-440322-A		D-440322-A
40.	• Number Plate Screw (4-36 Spl. Pan. PHHIMS)	3		D-530229-A		D-530229-A
41.	• Number Plate Spring Washer	3		D-760835-A		D-760835-A
42.	Dial Mounting Bracket	1		D-17651-A		D-17651-A
43.	Dust Cover	1		D-731543-A		D-731543-A
44.	• Dust Cover (4-36 X 9/16" RHIMS)	2		D-490041-A		D-490041-A
45.	Bearing & Stop Bracket Hex Nut (8-32)	2		D-77408-A		D-77408-A

* Note: See (9) on Page 50 (B-M)



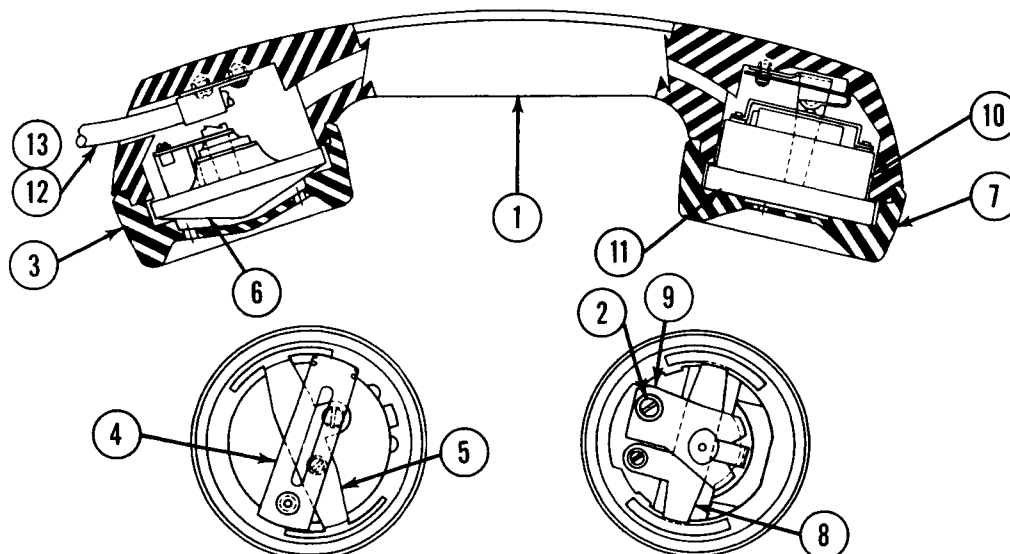
Type 41 Handset

Fig. No.	Description	No. Req.	Order No.
1.	Handset Shell	1	D-52137-A
2.	. Terminal Screw (5-40 Bdg. HBRMS)	8	D-76351-A
3.	Mouthpiece	1	D-38306-A
4.	. Transmitter	1	D-38363-A
5.	. Retaining Ring (For Item 6 Only)	1	D-65339-A
6.	. Cupped Mouthpiece	1	D-38297-A
7.	. Transmitter Spring	1	D-109483-A
8.	. Transmitter Spring	1	D-109484-A
9.	Ear 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)	1	CD-350053



Type 81 Handset

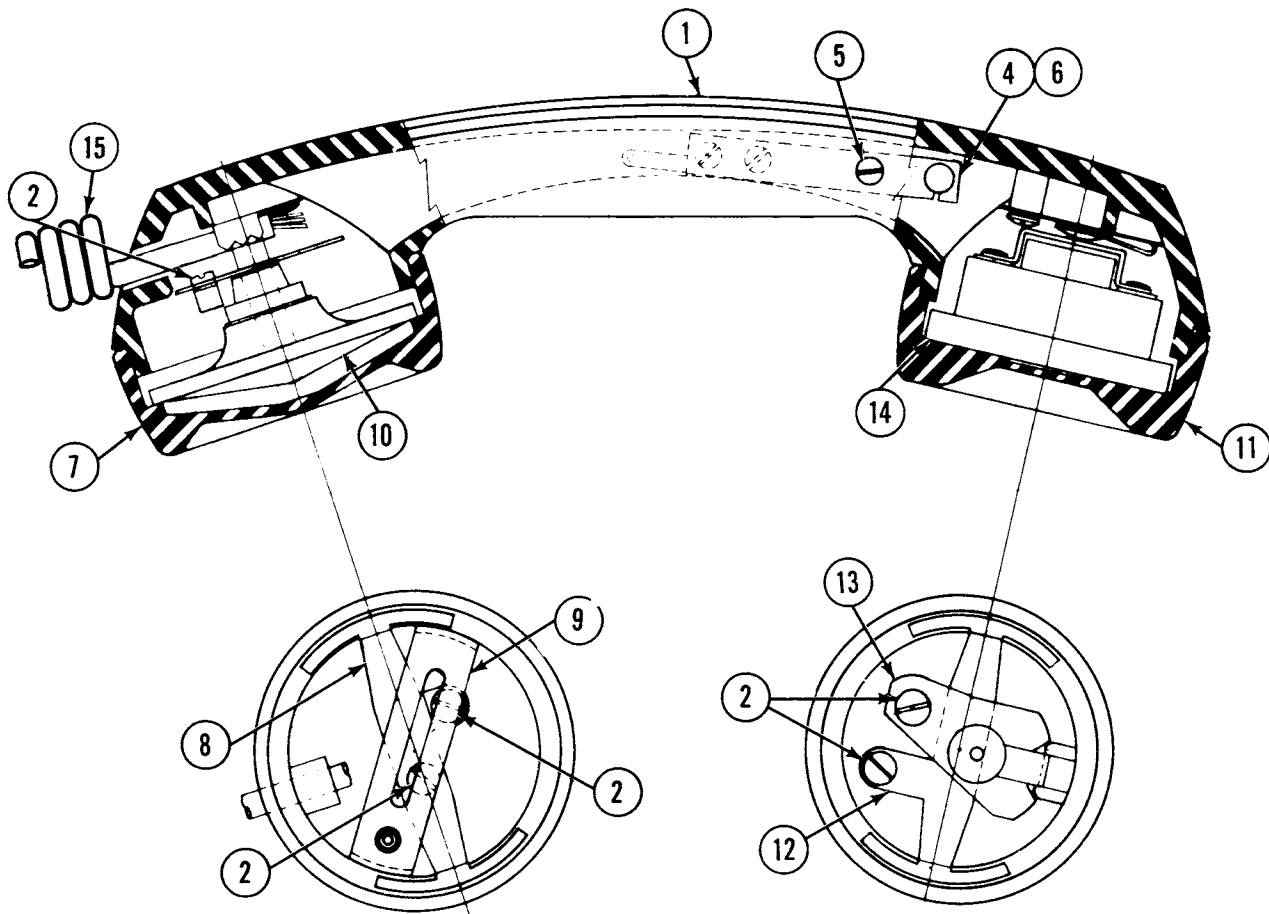
Fig. No.	Description	No. Req.	Order No.
1.	Handset Shell	1	See chart below.
2.	• Terminal Screw (5-40 Bdg. HBRMS)	5	D-76351-A
3.	Transmitter Cap	1	See chart below.
4.	• Transmitter Spring	1	D-109794-A
5.	• Transmitter Spring	1	D-109756-A
6.	• Transmitter Capsule (Type 81)	1	D-38363-A
7.	Receiver Cap	1	See chart below.
8.	• Receiver Spring	1	D-109757-A
9.	• Receiver Spring	1	D-109795-A
10.	• Receiver Capsule (Type 81)	1	D-51021-A
11.	Cork Gasket (Colors Only)	1	D-67457-A
12.	Straight Cord	1	See chart below.
13.	Retractable Cord	1	See chart below.



Color	1.	3.	7.	12. CD-364064-	13. D-543118-
Black	D-52143-A	D-67422-A	D-67423-A	A	A
Sand Beige	D-52146-B	D-67442-B	D-67441-B		B
Dawn Grey	C	C	C		C
Jade Green	D	D	D		D
Classic Ivory	E	E	E		E
Garnet Red	F	F	F		F
Turquoise	G	G	G		G
Colonial Blue	H	H	H		H
Sunlight Yellow	J	J	J		J
Forget-Me-Not Blue	K	K	K		K
Camellia Pink	L	L	L		L
Gardenia White	M	M	M		M

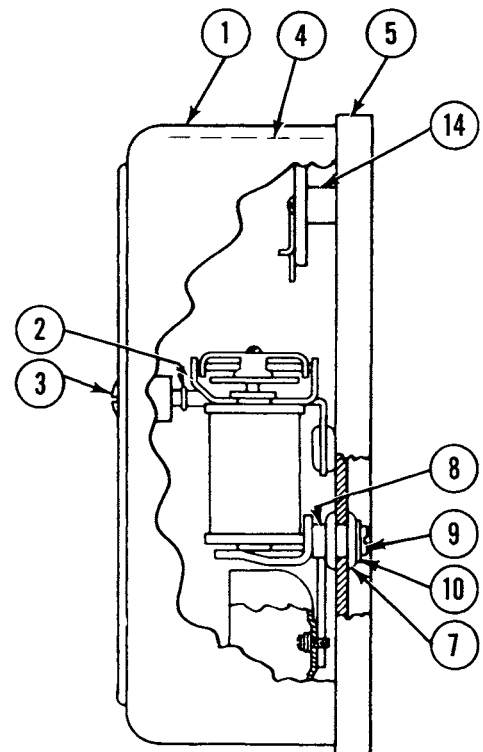
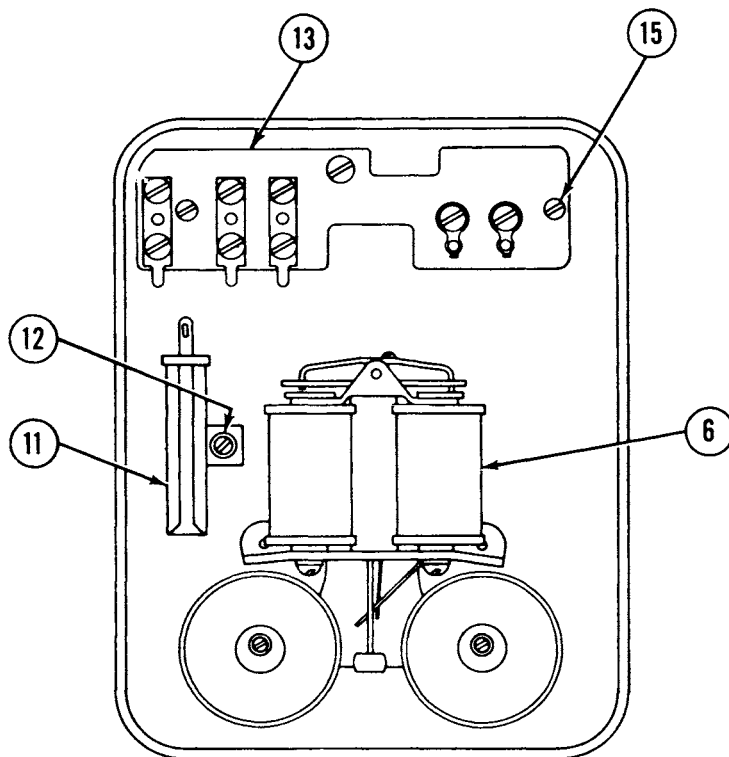
Type 84 Anti-Noise Handset

Fig. No.	Description	No. Req.	Order No.
1.	Handset Shell	1	D-52149-A
2.	• Terminal Screw (5-40 Bdg. HBRMS)	5	D-76351-A
3.	• Sleeving	1/2"	D-542410-H
4.	Spring Assembly	1	NP-21-A1
5.	• Spring Assembly Screw (4-40 FHIMS)	1	D-76942-A
6.	• Switch Shield	1	D-490013-A
7.	Transmitter Cap	1	D-76422-A
8.	• Transmitter Spring	1	D-109756-A
9.	• Transmitter Spring	1	D-109794-A
10.	• Transmitter Capsule	1	D-38375-A
11.	Receiver Cap	1	D-67423-A
12.	• Receiver Spring	1	D-109757-A
13.	• Receiver Spring	1	D-109795-A
14.	• Receiver Capsule (Type 81)	1	D-51021-A
15.	Retractable Cord	1	D-543118-A



Type 32 Ringer Box

Fig. No.	Description	No. Req.	Order No.
1.	Cover Assembly	1	D-49488-A
2.	· Cover Screw Lock Ring	2	D-65270-A
3.	· Cover Locking Screw	2	D-76655-A
4.	· Circuit Label	1	D-530069-A
5.	Ringer Mounting Base	1	D-47865-A
6.	Straight-Line Ringer Assembly	1	D-56515-A
7.	· Ringer Rubber Bushing	2	D-67431-A14
8.	· Ringer Spacer	2	D-65462-A
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 1/4" RHIMS)	1	
13.	Terminal Strip Assembly	1	D-15834-A
14.	· Terminal Strip Bushing	2	D-75204-A
15.	· Terminal Strip Screw (5-40 X 1/2" RHIMS)	2	



High-Impedance Ringers

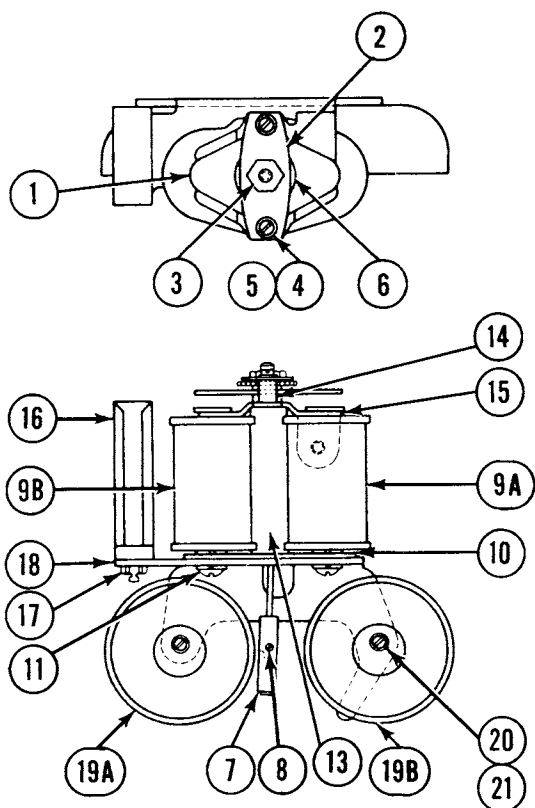
Harmonic

Fig. No.	Description	No. Req.	Order No.
1.	Clapper Assembly	1	D-56530-B
2.	. Clapper Arm Reeds	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.	. Clapper Weight	1	See chart.
8.	. Weight Set Screw	1	D-7684-A
9A.	Coil {Right	1	See chart.
9B.	{Left	1	See chart.
10.	. Heelpiece Spacer (On 60, 66, 66.6 Frequencies Only)	1	D-65501-A
11.	. Coil Screw (8-32 X 3/8" RHIMS)	2	
12.	. Coil 8 Lock Washer	2	D-17195-E
13.	. Ringer Magnet	2	D-56497-B
14.	. Post	2	D-36091-A
15.	. Yoke	1	D-67430-A
16.	Capacitor	1	See chart.
17.	. Hex Nut	1	D-7700-A
18.	. Heelpiece	1	D-63196-A
19A.	Gong {Light	1	D-56522-A
19B.	{Heavy	1	D-56523-A
20.	. Gong Screw	2	D-760646-A
21.	. Gong 5 Lock Washer	2	D-17464-C

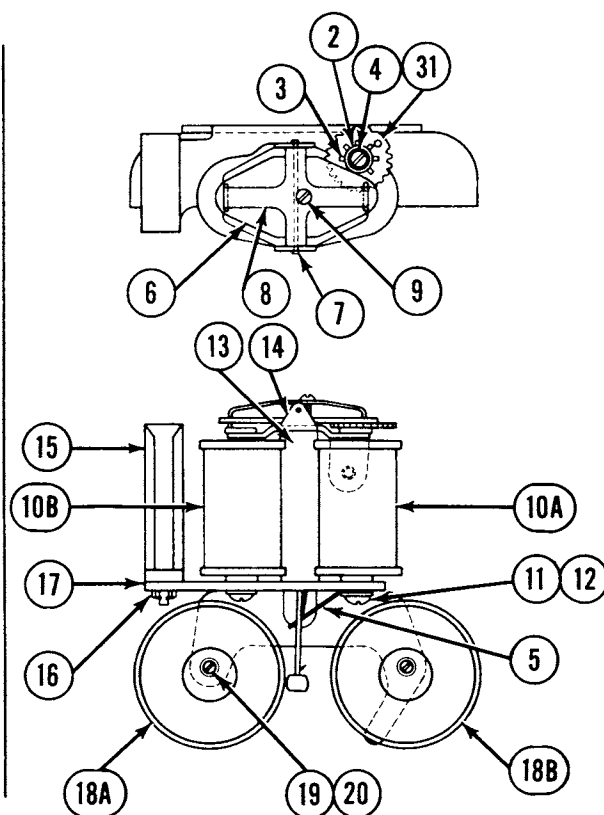
Straight-line

Fig. No.	Description	No. Req.	Order No.
1.	Adjusting Wheel	1	D-65494-A
2.	. Shoulder Bushing	1	D-750221-A
3.	. Adjusting Wheel Spring Washer	1	D-17619-A
4.	. Adjusting Wheel Screw	1	D-760731-A
5.	. Bias Adjuster	1	D-109705-A
6.	Armature Assembly	1	D-56521-A
7.	. Bearing Pin	1	D-37566-A
8.	. Armature Adjusting Plate	1	D-780544-A
9.	. Armature Screw (4-40 X 5/16" RHIMS)	1	
10A.	Coil {Right	1	D-283749-A
10B.	{Left	1	D-283750-A
11.	. Coil 8 Lock Washer	2	D-17195-E
12.	. Coil Screw (8-32 X 3/8" RHIMS)	2	
13.	. Ringer Magnet	2	D-56497-B
14.	. Yoke	1	D-67427-A
15.	Capacitor (.4 MF).	1	D-68693-A
16.	. Capacitor Hex Nut	1	D-7700-A
17.	. Capacitor Heelpiece	1	D-63196-A
18A.	Gong {Light	1	D-56522-A
18B.	{Heavy	1	D-56523-A
19.	. Gong 5 Lock Washer	2	D-17464-C
20.	. Gong Screw	2	D-760646-A

High-Impedance Ringers



Harmonic



Straight-line

Ringer Frequency Suffix Index

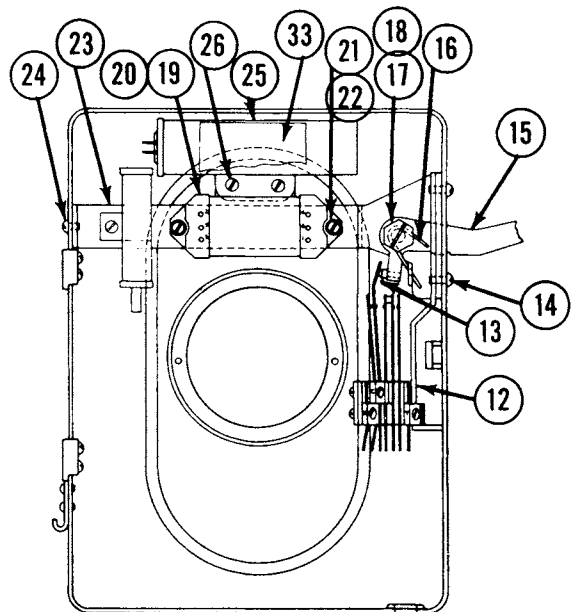
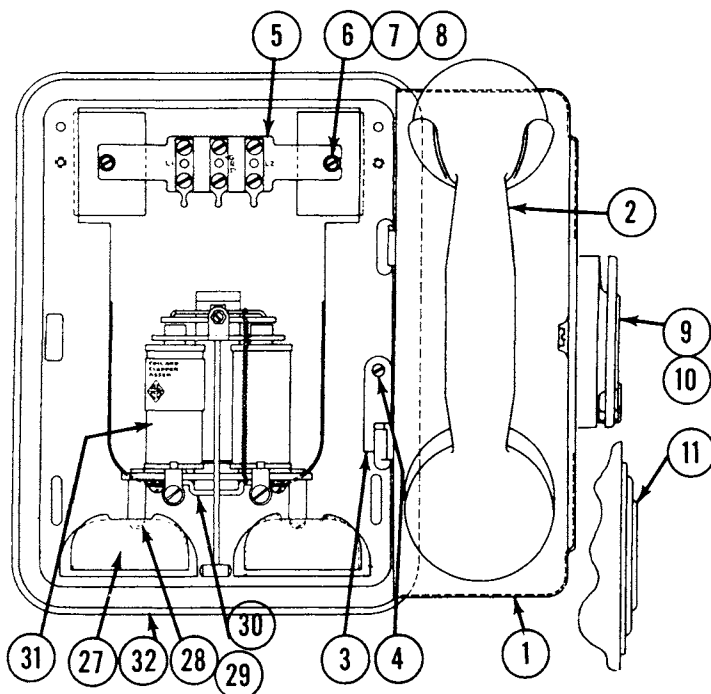
Frequency	Description	Order No.
AC	45-65 Cycles (50 Volts, 32A14 PAX)	D-56548-AACR
SL	Straight-Line with Adjusting Wheel	D-56548-ASAR
SL	Straight-Line without Adjusting Wheel	D-56548-ASLR
VT	Super-Imposed	D-56548-AVTR
CV	Untuned 60 Cycle (115 Volts)	D-56548-ACVR
16.6	Harmonic (Multiple)	D-56548-A16R
20	Harmonic & Decimonic (Non-Multiple)	D-56548-A20R
25	Harmonic (Multiple)	D-56548-A25R
30	Harmonic & 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

Variations at Different Frequencies

Frequency Suffix	Figure Number and Description				
	(2) Clapper Arm Reeds	(7) Clapper Weight	(9A) Right Coil	(9B) Left Coil	(16) Capacitor (In MF)
AAC	D-10693-A	D-56525-B	D-284013-A	D-284014-A	D-68695-A (. 7)
ASA			D-283749-A	D-283750-A	D-68693-A (. 4)
ASL			D-283749-A	D-283750-A	D-68693-A (. 4)
AVT			D-283749-A	D-283750-A	D-68693-A (. 4)
ACV			D-284335-A	D-284334-A	D-68695-A (. 7)
A16	D-10740-B	D-56534-A	D-283749-A	D-283750-A	D-68695-A (. 7)
A20	D-10740-B	D-56524-B	D-283749-A	D-283749-A	D-68695-A (. 7)
A25	D-10740-A	D-56524-C	D-283749-A	D-283750-A	D-68692-A (. 3)
A30	D-10740-A	D-56526-A	D-283749-A	D-283750-A	D-68691-A (. 2)
A33	D-10740-A	D-56526-C	D-283749-A	D-283750-A	D-68691-A (. 2)
A40	D-10740-A	D-56526-B	D-283749-A	D-283750-A	D-68690-A (.08)
A42	D-10740-A	D-56525-B	D-283749-A	D-283750-A	D-68690-A (.08)
A50	D-10740-A	D-56528-C	D-283749-A	D-283750-A	D-68690-A (.08)
A51	D-10740-A	D-56528-C	D-283749-A	D-283750-A	D-68690-A (.08)
A54	D-10693-A	D-56528-A	D-283749-A	D-283750-A	D-68690-A (.08)
A60	D-10693-A	D-56528-B	D-284124-A	D-284123-A	D-68690-A (.08)
A66	D-10693-B	D-56528-B	D-284124-A	D-284123-A	D-68690-A (.08)
A67	D-10693-B	D-56528-B	D-284124-A	D-284123-A	D-68690-A (.08)

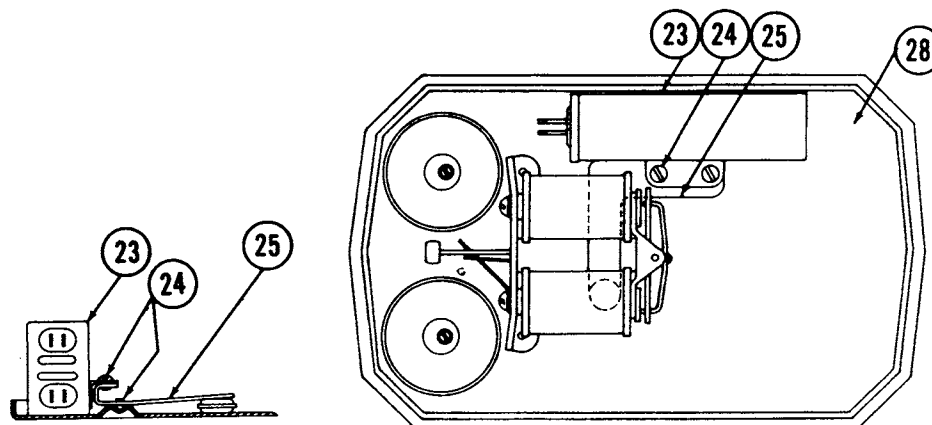
Type 44 Wall Telephone

Fig. No.	Description	No. Req.	Order No.
1.	Cover Assembly	1	D-49761-A
2.	Type 41 Handset	1	L-885-BO
3.	Latch	1	D-5879-A
4.	Latch Screw (8-32 X 3/16" RHIMS)	1	
5.	Terminal Strip Assembly	1	D-15645-A
6.	Terminal Strip Screw (5-40 X 5/16" RHIMS)	2	
7.	Terminal Strip Hex Nut (5-40)	2	D-77133-A
8.	Washer	2	D-17221-A
9.	Type 51A Dial Assembly (1-0)	1	D-84820-C
10.	Dial Mounting Screw	2	D-76838-A
11.	Dial Hole Cover & Terminal Strip	1	D-49514-A
12.	Hook Spring & Bracket Assembly	1	D-731355-A
13.	Hook Buffer	1	D-75453-A
14.	Hook Spring & Bracket Assembly Screw	2	D-76668-B
15.	Hook	1	D-62124-A
16.	Spring	1	D-109567-A
17.	Washer	1	D-17528-A
18.	Hook Bearing Screw	1	D-760217-A
19.	Induction Coil	1	D-282996-A
20.	Keeper Armature Assembly	1	D-71561-A
21.	Induction Coil 5 Shakeproof Washer	2	D-17468-A
22.	Induction Coil Screw (5-40 X 1-1/2" RHIMS)	2	
23.	Induction Coil & Capacitor Mounting Bracket	1	D-731182-A
24.	Induction Coil & Capacitor Bracket Screw	2	D-760196-C
25.	Capacitor Assembly (4 MF/.7 MF)	1	D-68640-A
26.	Capacitor Screw (6-32 X 3/16" RHIMS)	2	
27.	Gong	2	D-56328-A
28.	Gong 10 Lock Washer	2	D-17375-A
29.	Gong Screw (10-32 X 3/8" RHIMS)	2	
30.	Gong Mounting Bracket	1	D-731114-A
31.	Ringer Assembly	1	D-56329-A
32.	Base Assembly	1	D-47425-A
33.	Circuit Label	1	D-53795-A

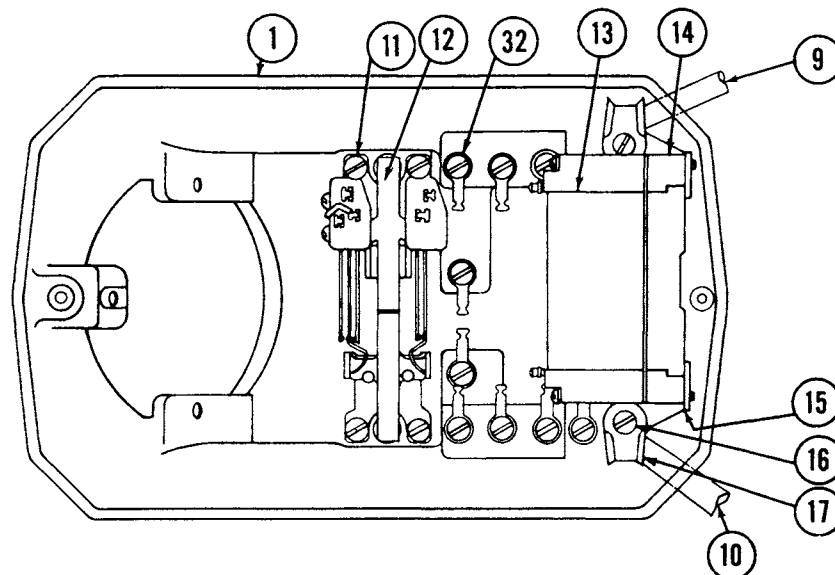
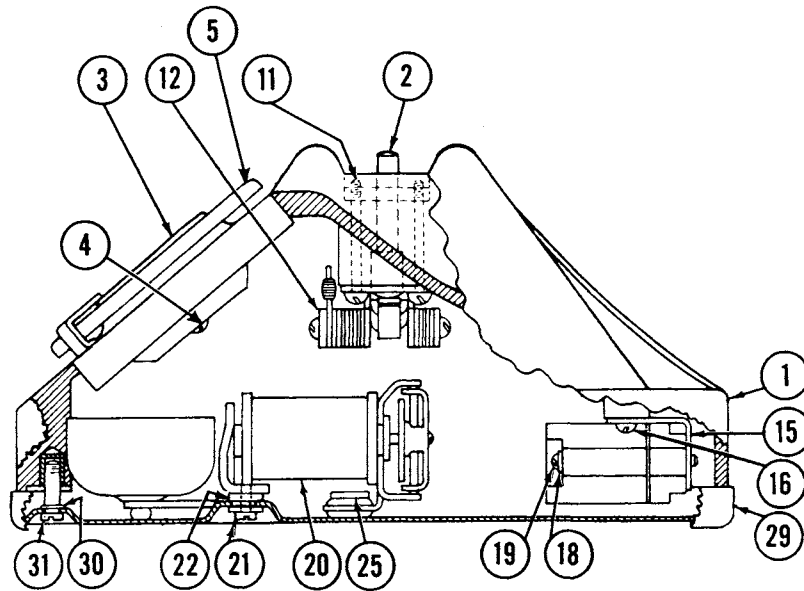


Type 40 Desk Telephone

Fig. No.	Description	No. Req.	Order No.
1.	Black Base	1	D-47945-A
2.	Plunger	2	D-67313-A
3.	Type 51A Dial Assembly (1-0)	1	D-84820-C
4.	Dial Mounting Screw (4-36 X 3/8" RHIMS)	1	
5.	Dial Hole Cover Assembly	1	D-49607-A
6.	Dial Blank Mounting Screw (4-40 X 5/8" RHIMS)	2	
7.	Dial Blank Terminal Screw (4-40 X 1/4" RHIMS)	1	
8.	Dial Cover Shakeproof Washer	3	D-17377-A
9.	Type 41 Handset	1	L-885-BO
10.	Desk Set Cord	1	CD-600072-
11.	Switch Screw (5-40 X 1-3/16" RHIMS)	4	
12.	Spring Combination	1	D-735244-A
13.	Induction Coil {Standard	1	D-282996-A
	{Super Volume	1	D-282805-A
14.	Induction Coil Armature Keeper	1	D-71561-A
15.	Induction Coil Mounting Bracket	1	D-730987-A
16.	Induction Coil Bracket Screw (6-32 X 5/16" RHIMS)	2	
17.	Cord Clip	2	D-542637-B
18.	Induction Coil Shakeproof Washer	2	D-17468-A
19.	Induction Coil Screw (5-40 X 1-7/16" RHIMS)	2	
20.	Ringer Assembly	1	D-56515-A
21.	Ringer Screw (8-32 X 3/8" Pan. Head SEMS)	2	D-760708-A
22.	Ringer Bushing	2	D-750009-A
23.	Capacitor (4 MF/.4 MF)	1	D-68649-A
24.	Capacitor Bracket Mounting Screw (6-32 X 3/16" RHIMS)	4	
25.	Capacitor Bracket Holder	1	D-731405-A
26.	Connecting Block	1	D-15959-A
27.	Lift Bar	1	D-660189-A
28.	Base Plate	1	D-780093-A
29.	Rubber Cushion	1	D-67251-A
30.	Base Plate Retaining Ring	2	D-65270-A
31.	Base Plate Screw	2	D-760069-A
32.	Black Base Terminal Screw	9	D-76279-A



Type 40 Desk Telephone



Type 47 Multiline Telephone

Fig. No.	Description	No. Req.	Order No.
1.	Housing Assembly	1	D-49902-A
2.	• Housing	1	D-47982-A
3.	• Left Plunger (Chrome)	1	D-67313-A
4.	• Right Plunger (Black)	1	D-67313-C
5.	• Lift Bar	1	D-660189-A
6.	• Rubber Cushion	1	D-67251-A
7.	• Left Escutcheon	1	D-55596-A
8.	• Right Escutcheon	1	D-55597-A
9.	• Escutcheon Screw	2	D-760356-B
10.	Key Spring & Bracket Assembly	1	D-735317-A
11.	• Push Buttons	4	
12.	• Key Spring & Bracket Assembly Adapter	2	D-731431-A
13.	• Key Spring & Bracket Assembly Adapter Screw (4-36 X 5/8" RHIMS)	2	
14.	Handset & Cord Assembly	1	L-885-BO
15.	• Cord Clip	1	D-542637-B
16.	• Handset Cord Clamp Screw (6-32 X 5/16" RHIMS)	1	
17.	Desk Set Cord (9 Conductor)	1	D-543121-A
18.	• Cord Conductor Clamp Screw (6-32 X 5/8" RHIMS)	1	
19.	Type 51A Dial Assembly (Spark Suppressor)	1	D-84823-C
20.	• Dial Spacer Ring	1	D-65489-A
21.	• Dial Screw (4-36 X 1/2" RHIMS)	1	
22.	• Switch Mounting Bracket Screw (4-40 X 3/16" RHIMS)	4	
23.	Dial Hole Cover Assembly	1	D-49607-A
24.	• Dial Hole Cover Screw (4-40 X 1/4" RHIMS)	1	
25.	• Dial Hole Cover Shakeproof Washer	3	D-17377-A
26.	• Dial Hole Cover Mounting Screw (4-40 X 9/16" RHIMS)	2	
27.	Terminal Strip Assembly	1	D-150040-A
28.	• Terminal	1	D-15111-A
29.	• Terminal Strip Support Bracket	1	D-731390-A
30.	• Terminal Strip Bushing	1	D-750134-A
31.	• Terminal Strip Screw (4-36 X 5/16" RHIMS)	1	
32.	• Terminal Screw	9	D-76279-A
33.	Resistor (470 Ohms, Ohmite "Little Devil")	4	D-284081-A9
34.	• Resistor Sleeve	AR	D-542410-A
35.	Spring & Bracket Assembly	1	D-735302-A
36.	• Spring & Bracket Assembly Screw (5-40 X 1-3/16" RHIMS)	4	
37.	Rectifier	1	D-35216-A
38.	• Rectifier 6 Lock Washer	1	D-17366-A
39.	• Rectifier Screw (6-32 X 3/16" RHIMS)	1	
40.	Induction Coil	1	D-282996-A
41.	• Induction Coil Armature Lamination	27	D-71561-A
42.	• Induction Coil Armature Lamination Frame	1	D-71561-A
43.	• Induction Coil Mounting Bracket	1	D-730987-A
44.	• Induction Coil Shakeproof Washer	2	D-17468-A
45.	• Induction Coil Screw (5-40 X 1-7/16" RHIMS)	2	
46.	Capacitor (.4 MF)	1	D-68262-A
47.	• Capacitor Screw (6-32 X 3/8" RHIMS)	1	
48.	Transmission Capacitor (5 MF)	1	D-68258-C
49.	• Capacitor Screw (6-32 X 3/16" RHIMS)	4	

Type 47 Multiline Telephone

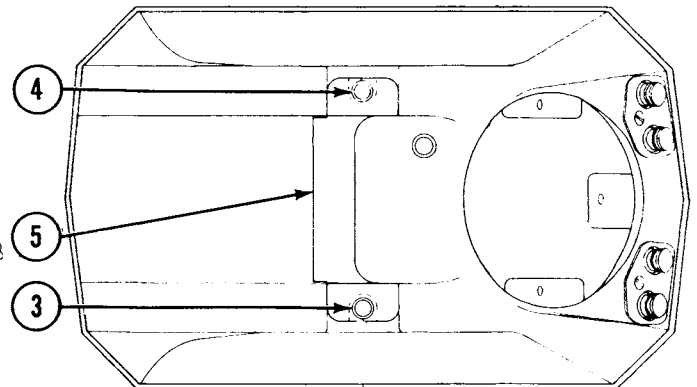
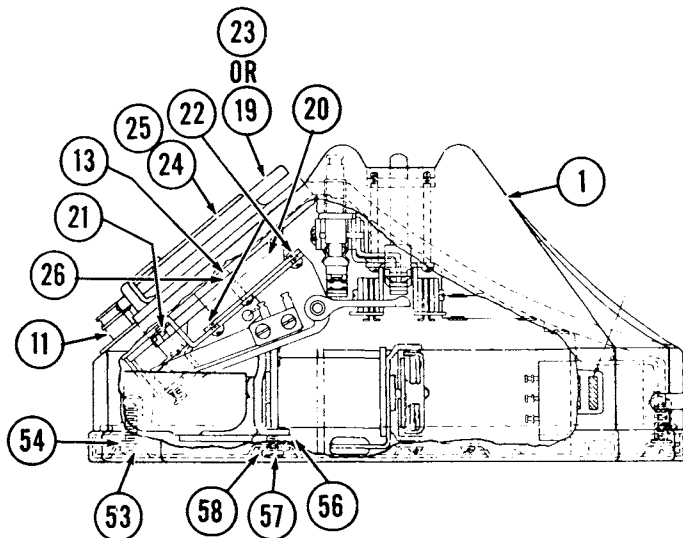
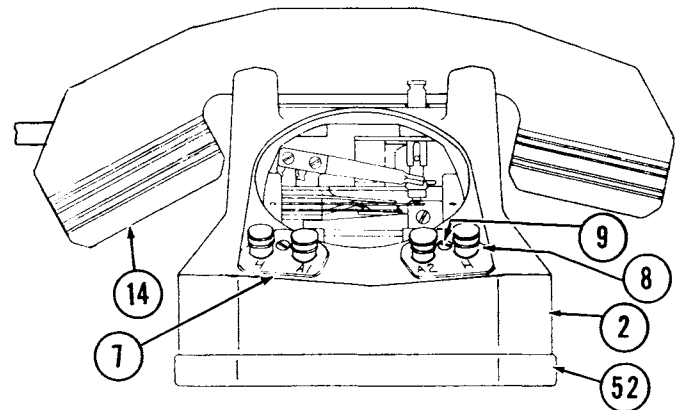
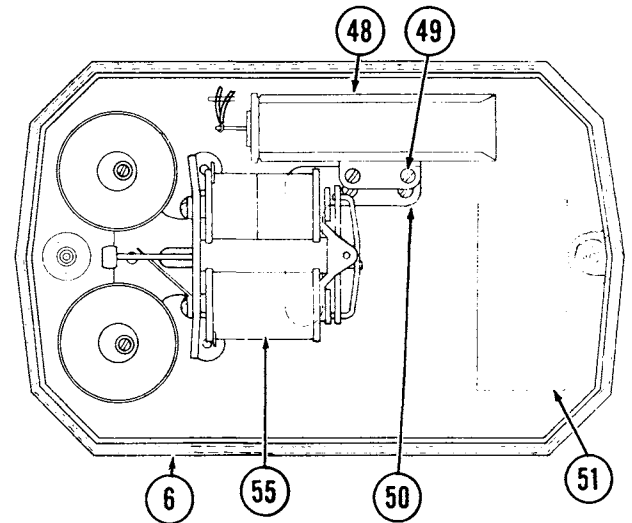
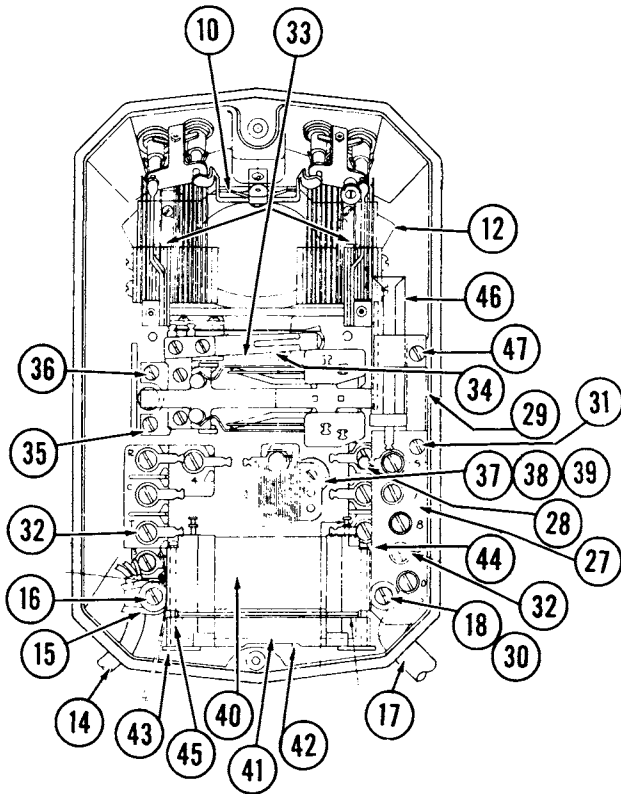
Fig.
No.

Description

No.
Req.

Order No.

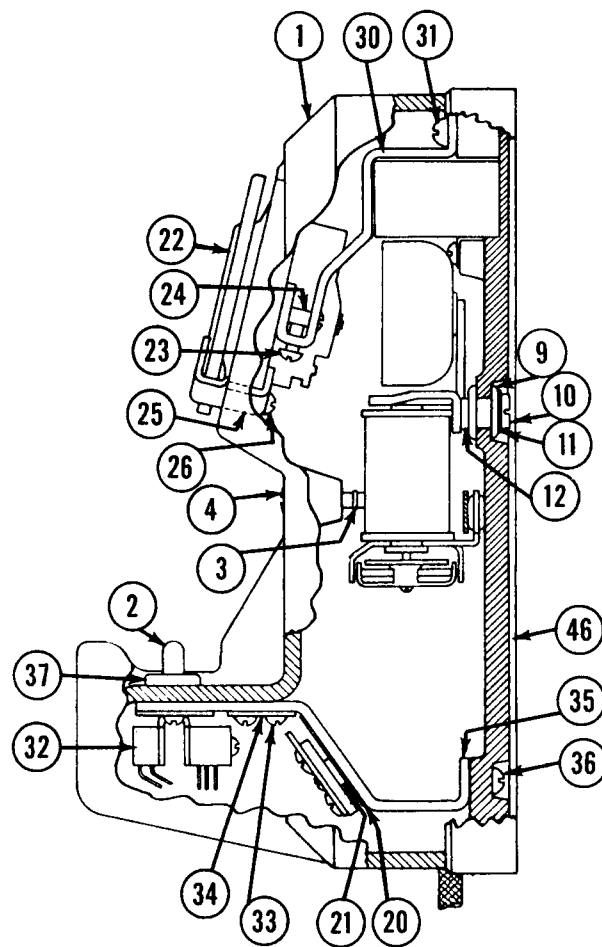
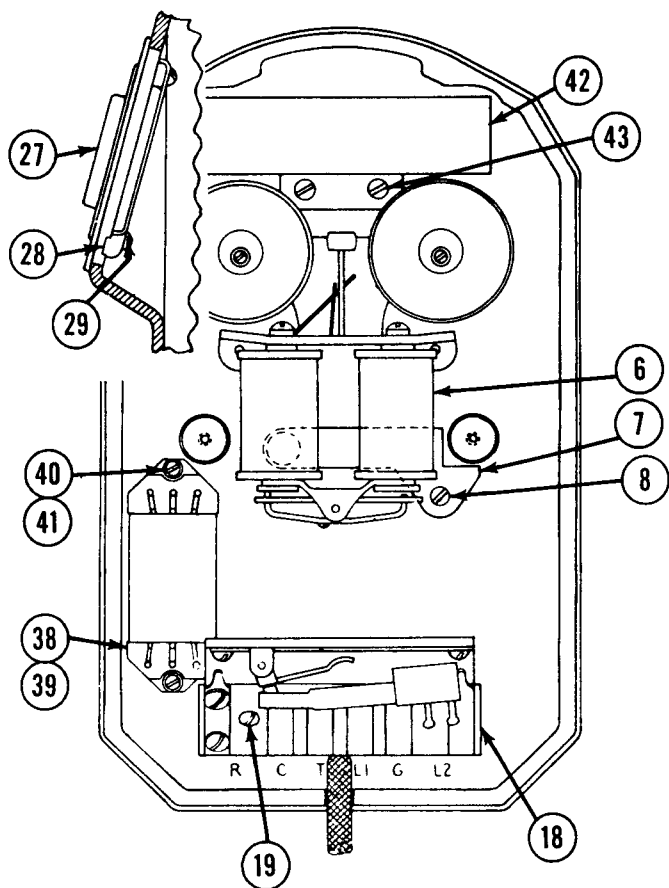
50.	• Capacitor Bracket Holder	1	D-731405-A
51.	Circuit Label	1	D-530215-A
52.	Base Plate	1	D-780093-B
53.	• Base Plate Screw	2	D-760069-A
54.	• Base Plate Retaining Ring	2	D-65270-A
55.	Straight-Line Ringer	1	D-56515-A
56.	• Ringer Rubber Washer	2	D-17443-A
57.	• Ringer Screw (8-32 X 3/8" PHS SEMS)	2	D-760708-A
58.	• Ringer Bushing	2	D-75009-A



Type 50 Wall Telephone

Fig. No.	Description	No. Req.	Order No.
1.	Black Cover Assembly	1	D-49696-A
2.	• Plunger	1	D-41293-C
3.	• Cover Screw Retaining Ring	2	D-65270-A
4.	• Cover Screw	2	D-76655-A +
5.	Type 41 Handset	1	L-885-BO
6.	Ringer Assembly	1	D-56515-A
7.	• Ringer Support Bracket	1	D-731085-A
8.	• Ringer Support Bracket Screw (8-32 X 5/16" RHIMS)	2	D-760130-A
9.	• Ringer Rubber Washer	2	D-75887-A
10.	• Ringer Shoulder Screw	2	D-760647-A
11.	• Ringer Bracket Washer	2	D-17428-A
12.	• Ringer Spacer	2	D-65462-B
13.	• Light Gong	1	D-56438-A
14.	• Heavy Gong	1	D-56439-A
15.	• Lock Screw Ring	2	D-65270-A
16.	• Gong Spacer	2	D-65334-A
17.	• Gong Screw	2	D-760099-A
18.	Terminal Strip Assembly	1	D-15807-A
19.	• Terminal Strip Screw (6-32 X 1/8" RHIMS)	2	
20.	• Terminal Strip Insulator	1	D-440071-A
21.	• Terminal Strip Spacer	2	D-17197-A
22.	Dial Assembly	1	D-84820-C
23.	• Dial Screw (6-32 X 5/16" RHIMS)	2	
24.	• Dial Stud Screw	2	D-76836-A
25.	Dial Lug	1	D-70162-A
26.	• Dial Lug Screw (4-36 X 3/16" RHIMS)	1	
27.	Dial Hole Cover Assembly	1	D-49610-A
28.	• Dial Cover Bracket	1	D-730848-A
29.	• Dial Cover Mounting Screw (4-40 X 3/16" RHIMS)	2	
30.	Dial Bracket Assembly	1	D-731065-A
31.	• Dial Bracket Screw (10-32 X 5/16" RHIMS)	2	
32.	Switch Assembly	1	D-731066-A
33.	• Switch & Resistance Screw (6-32 X 3/16" RHIMS)	2	
34.	Resistance Coil	1	D-282804-A
35.	Switch & Terminal Strip Bracket	1	D-731063-A
36.	• Switch Bracket Screw (10-32 X 7/16" RHIMS)	2	
37.	Spanner Nut	1	D-77210-C
38.	Induction Coil	1	D-282996-A
39.	• Induction Coil Keeper	1	D-71561-A
40.	• Induction Coil Screw (5-40 X 1-1/2" RHIMS)	2	
41.	• Induction Coil Shakeproof Lock Washer	2	D-17468-A
42.	Capacitor (4 MF/.4 MF)	1	D-68649-A
43.	• Capacitor Mounting Screw (6-32 X 1/2" RHIMS)	2	
44.	Circuit Label	1	D-53702-A
45.	Cord Holder	1	D-543024-A
46.	Black Base Assembly	1	D-47898-A

Type 50 Wall Telephone



Type 80 Desk Telephone

Fig. No.	Description	No. Req.	Order No.
1.	Housing Assembly ¹	1	D-49935-
2.	• Plunger-Switch Assembly	2	D-67586-A
3.	• Cradle Hole Cover ²	1	D-49937-
4.	• Cradle Hole Cover Screw (6-32 X 3/8" PK Type F RHS)	1	
5.	• Standard Circuit Label ³	1	D-530142-A
6.	Handset & Cord Assembly ⁴	1	L-9024- & L-9027-
7.	Dial Assembly ⁵ {Type 52 (1-0)	1	D-84900-
	{Type 52 (ABC)	1	D-84901-
8.	• Dial Mounting Bracket	1	D-731543-A
9.	• Dial Screw (4-36 RHIM SEMS)	3	D-760730-A
10.	• Dial Dust Cover	1	D-49929-A
11.	• Dust Cover Screw (4-36 X 9/16" RHIMS)	2	
12.	• Black Escutcheon Ring	1	D-65112-D
13.	• Chrome Escutcheon Ring	1	D-65510-A
14.	• Black Dial Card	1	D-53620-A
15.	• White Dial Card	1	D-530182-A
16.	• Celluloid Cover	1	D-53176-A
17.	• Black Dial Card Clamping Plate	1	D-78541-A
18.	Dial Hole Cover ⁶	1	D-49995-
19.	• Dial Blank Screw (4 X 3/8" PK Type Z RHS)	3	
20.	Switch & Bracket Assembly	1	D-735306-A
21.	• Spring Combination	1	D-735355-A
22.	• Switch Dust Cover	1	D-49928-A
23.	• Hookswitch Lever & Buffer Assembly	1	D-16360-A
24.	• Switch Lever Bearing Pin	1	D-37592-A
25.	• Switch Lever Pin Lock	1	D-58062-A
26.	• Pin Lock Screw (3-48 X 3/16" Bdg. HIMS)	1	
27.	• Switch Lever Coil Spring	1	D-109780-A
28.	• Tripod	1	D-731713-A
29.	• Top Flat Tension Spring	2	D-109755-A
30.	• Bottom Flat Tension Spring	2	D-109835-A
31.	Ringer Assembly ⁷	1	D-56548-
32.	• Ringer Screw	3	D-760735-A
33.	Transmission Unit	1	D-38362-A
34.	• Transmission Unit Mounting Screw	1	D-760734-A
35.	• Transmission Unit Mounting Square Nut	1	D-77389-A
36.	• Transmission Unit Clamp	1	D-731491-A
37.	• Transmission Unit & Tube Mounting Block	1	D-660256-A
38.	• Transmission Unit Terminal Screw (5-40 X 1/4" Bdg. HBRMS)	16	
39.	Wire Clamp	1	D-731510-A
40.	Line Cord (3 Conductor) ⁸	1	CD-616075-
41.	Base Plate Assembly	1	D-780659-A
42.	• Base Plate Cord Clamp	2	D-731490-A
43.	• Bracket & Cord Clamp Screw	4	D-760733-A
44.	• Outside Screw (6-40 X 1/4" RH Steel SEMS)	1	D-760764-A
45.	• Feet	4	
46.	• Rheostat	1	
47.	• Mounting Block Screw (6-32 X 3/16" RHIMS)	1	
48.	• Base Plate Screw	3	D-760719-A

Notes:

¹See (1) on page 50.

²See (2) on page 50.

³Not shown.

⁴See (3) on page 50.

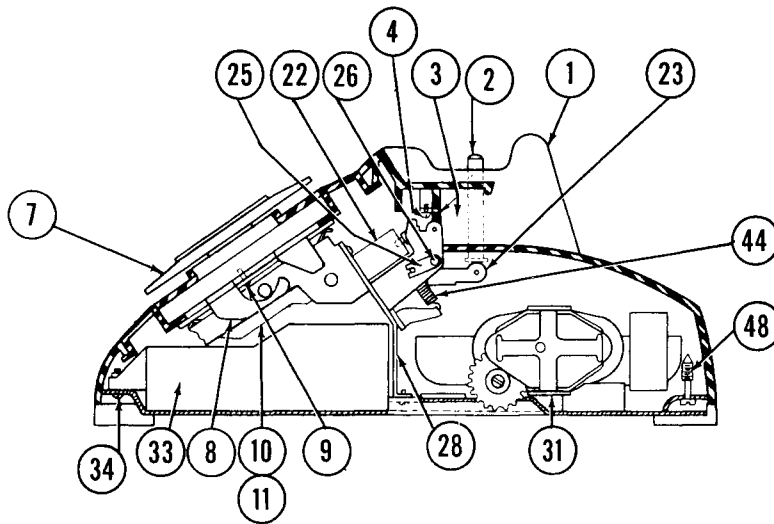
⁵See (4) on page 50.

⁶See (5) on page 50.

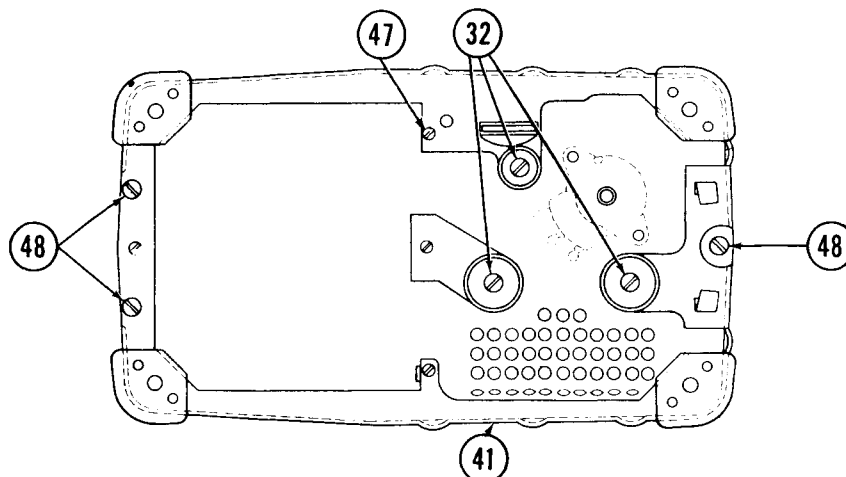
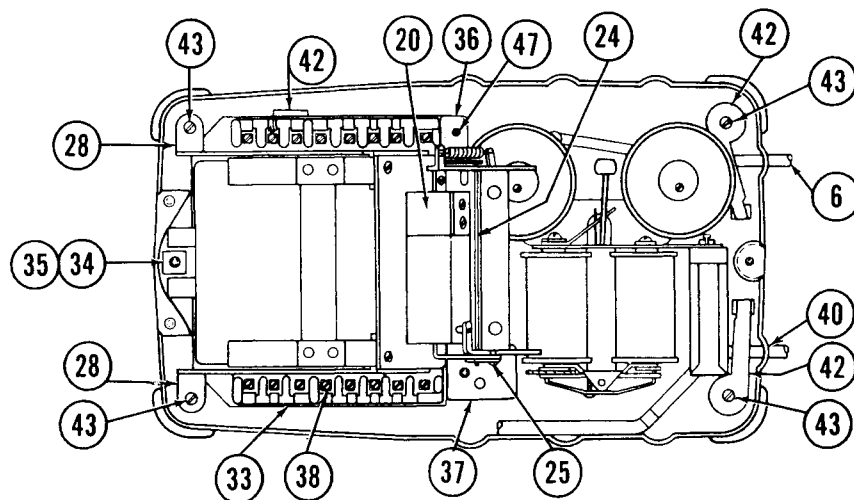
⁷See chart on page 10.

⁸See (7) on page 50.

Type 80 Desk Telephone



Top View



Type 80 Transistorized - Hard of Hearing - Telephone

Fig. No.	Description	No. Req.	Order No.
1.	Housing ¹	1	D-490019-A
2.	Plunger-Switch Assembly	2	D-67586-A
3.	Cradle Hole Cover ²	1	D-49937-
4.	Cradle Hole Cover Screw (6-32 X 3/8" PK Type F RHS)	1	
5.	Standard Circuit Label	1	D-530232-A
6.	Handset & Retractable Cord ³	1	D-51022-A & D-543145
7.	Base Plate Cord Clamp	2	D-731490-A
8.	Bracket & Cord Clamp Screw	4	D-760733-A
9.	Dial Assembly ⁴ {Type 52 (1-0)	1	D-84900-
	{Type 52 (ABC)	1	D-84901-
10.	Dial Mounting Bracket ⁶	1	D-731543-A
11.	Dial Screw (4-36 RHIM SEMS) ⁶	3	D-760730-A
12.	Dial Dust Cover ⁶	1	D-49929-A
13.	Dust Cover Screw (4-36 X 9/16" RHIMS) ⁶	2	
14.	Dial Hole Cover ⁵ & ⁶	1	D-49995-
15.	Screw (6-40 X 1/4" RH Steel SEMS).	1	D-760764-A
16.	Switch & Bracket Assembly	1	D-735306-A
17.	Spring Combination	1	D-735355-A
18.	Switch Dust Cover	1	D-49928-A
19.	Hookswitch Lever & Buffer Assembly	1	D-16360-A
20.	Switch Lever Bearing Pin	1	D-37592-A
21.	Switch Lever Pin Lock	1	D-58062-A
22.	Pin Lock Screw (3-48 X 3/16" (Bdg. HIMS)	1	
23.	Switch Lever Coil Spring	1	D-109780-A
24.	Tripod	1	D-731713-A
25.	Top Flat Tension Spring	2	D-109755-A
26.	Bottom Flat Tension Spring	2	D-109835-A
27.	Line Cord (3 Conductor) ⁷	1	CD-616075-
28.	Ringer Assembly ⁸	1	D-56548-
29.	Ringer Screw	3	D-760735-A
30.	Clear Plastic Volume Control Knob	1	D-59299-A
31.	Printed Circuit Receiver Amplifier	1	D-35290-A
32.	Connector Bracket Assembly	1	D-660282-A
33.	Transmission Unit	1	D-38362-A
34.	Transmission Unit Mounting Screw	1	D-760734-A
35.	Transmission Unit Mounting Square Nut	1	D-77389-A
36.	Transmission Unit & Tube Mounting Block	1	D-660256-A
37.	Wire Clamp	1	D-731510-A
38.	Base Plate Assembly	1	D-780659-F
39.	Clamp & Bracket Screw (6-32 X 1/4" RHIMS)	2	
40.	Base Plate Screw	3	D-760719-A
41.	Terminal Block	1	D-150000-A

Notes:

¹See (1) on page 50.

²See (2) on page 50.

³See (3) on page 50.

⁴See (4) on page 50.

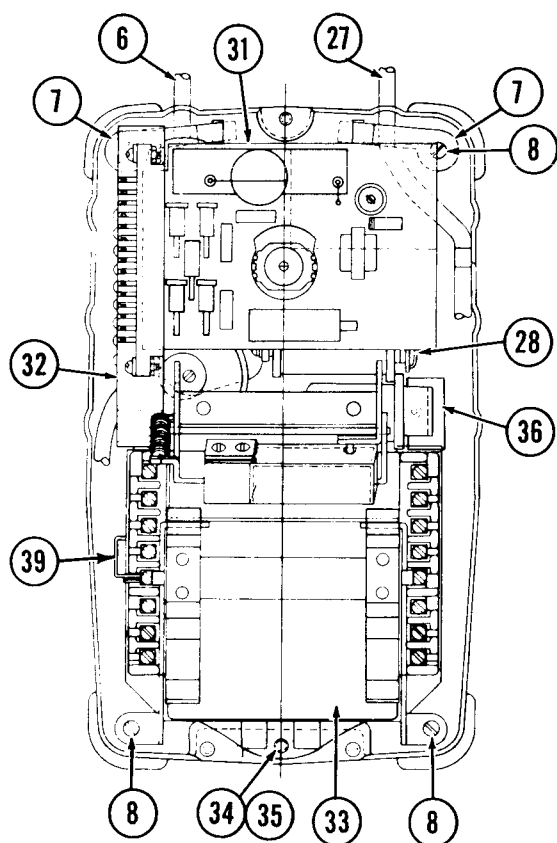
⁵See (5) on page 50.

⁶Not shown.

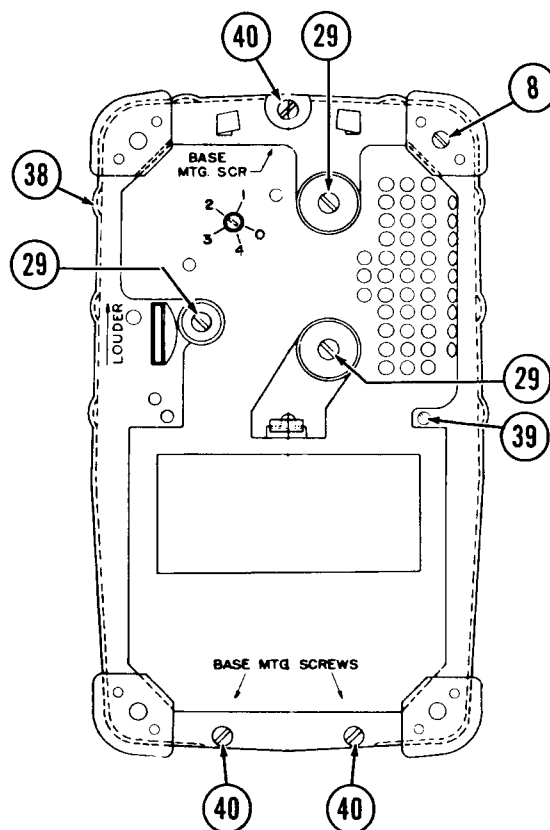
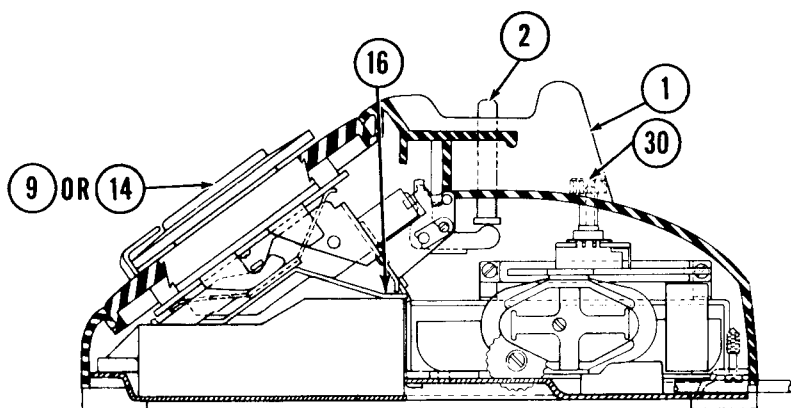
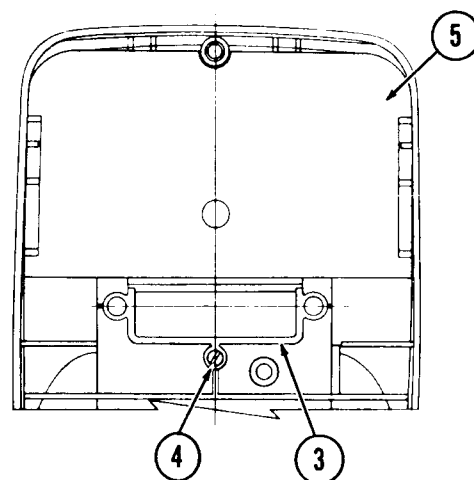
⁷See (7) on page 50.

⁸See chart on page 10.

Type 80 Transistorized - Hard of Hearing - Telephone



Top View



Type 82 Dial Lighted Telephone

Fig. No.	Description	No. Req.	Order No.
1.	Housing Assembly ¹	1	D-49935-
2.	• Plunger	2	D-67586-A
3.	• Circuit Label	1	D-530230-A
4.	• Cradle Hole Cover ²	1	D-49937-
5.	• Cradle Hole Cover Screw (6-32 X 3/8" PK Type F RHS)	1	
6.	Handset & Cord Assembly ³	1	L-9024- & L-9027-
7.	• Handset Cord Clamp	1	D-731490-A
8.	Strain Relief Bushing	1	FD-1025-AB
9.	Wire Clamp	1	D-731510-A
10.	Type 52 (ABC) Dial Assembly ⁴	1	D-84921-
	• Extended Number Plate (Black-A, Dawn Grey-C, Jade Green-D, & Garnet Red-F)	1	D-530229-
	• Extended Number Plate (Sand Beige-B, Classic Ivory-E, Turquoise-G, Colonial Blue-H, Sunlight Yellow-J, Forget-Me-Not Blue-K, Camellia Pink-L, & Gardenia White-M)	1	D-530306-
11.	Switch & Bracket Assembly	1	D-735363-A
12.	• Tripod	1	D-731713-B
13.	Bracket & Cord Clamp Screw	4	D-760733-A
14.	Clamp & Bracket Screw (6-32 X 1/4" RHIMS)	2	
15.	Center Switch Mounting Bracket Screw (6-40 X 1/4" RH Steel SEMS)	1	D-760764-A
16.	Ringer Assembly ⁵	1	D-56548-
17.	• Ringer Screw	3	D-760735-A
18.	Line Cord ⁶	1	CD-616075-
19.	Transmission Unit	1	D-38362-A
20.	• Transmission Unit Clamp	1	D-731491-A
21.	• Transmission Unit & Tube Mounting Block	1	D-660256-A
22.	• Transmission Unit Mounting Screw	1	D-760734-A
23.	• Transmission Unit Mounting Square Nut	1	D-77389-A
24.	Cord & Plug Assembly	1	D-543144-A
25.	Terminal Block	1	D-150000-A
26.	Terminal Strip Cover	1	D-490014-A
27.	• Terminal Strip Cover Screw	2	D-760729-A
28.	Base Plate Assembly	1	D-780735-A
29.	• Base Plate Cord Clamp	1	D-731624-A
30.	• Base Plate Screw	3	D-760793-A

Notes:

¹See (1) on page 50.

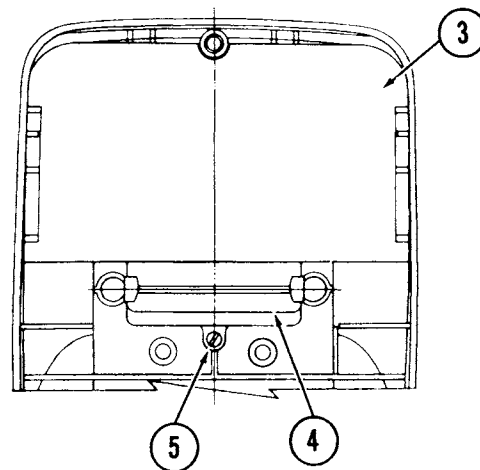
²See (2) on page 50.

³See (3) on page 50.

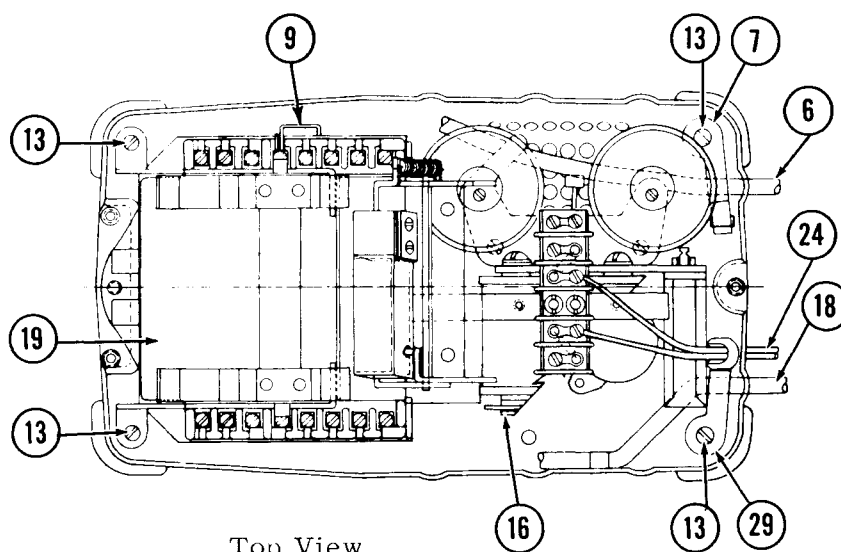
⁴See (4) on page 50.

⁵See chart on page 10.

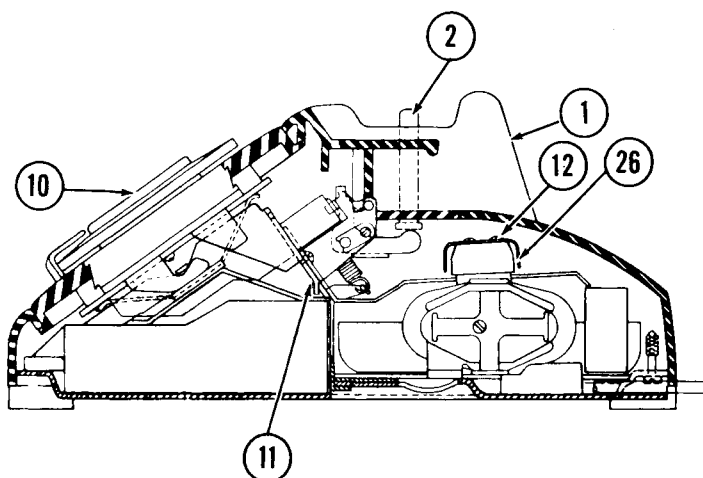
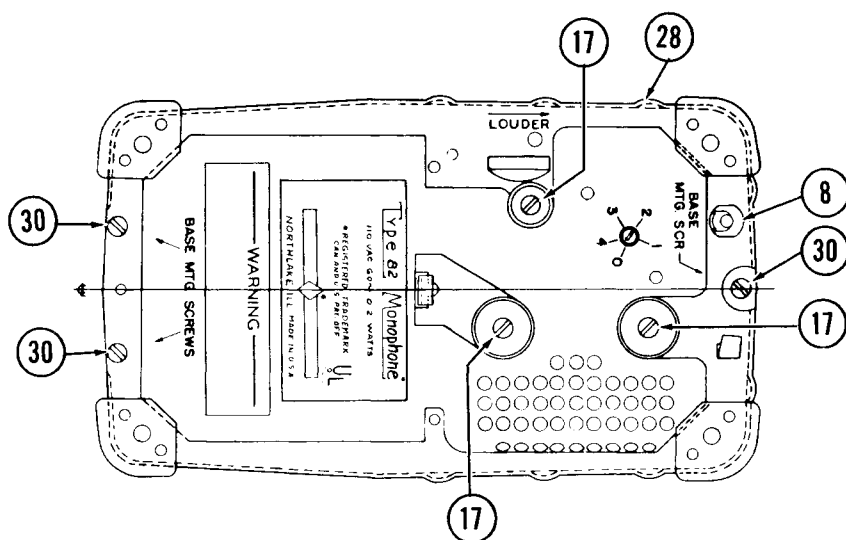
⁶See (7) on page 50.



Type 82 Dial Lighted Telephone



Top View



Type 83 Compact Telephone

Fig. No.	Description	No. Req.	Order No.
1.	Housing Assembly ¹	1	D-48350- ^x
2.	Terminal Strip Assembly	1	D-15852-A
3.	• Terminal Strip Insulator	1	D-15851-A
4.	• Terminal Strip Screw (6-32 X 1/2" FHIMS)	1	
5.	• Terminal Strip Screw (6-32 X 1/2" RHIMS)	1	
6.	Rheostat	1	D-284068-A
7.	• Rheostat Mounting Plate	1	D-731592-A
8.	• Rheostat Mounting Plate Screw (6-32 X 1/4" FHIMS)	1	
9.	• Rheostat Bushing	2	D-750260-A
10.	• Rheostat Screw (4-40 X 3/4" RHS SEMS)	2	D-760776-A
11.	Resistor (100)	1	D-284080-B38
12.	Resistor (62)	1	D-284080-B61
13.	Induction Coil	1	D-284263-A
14.	• Induction Coil Screw (5-40 X 3/16" FILH SEMS)	2	D-760806-A
15.	Circuit Label	1	D-530212-A
16.	Hookswitch ²	1	D-62123- ^{start}
17.	• Hookswitch Washer	1	D-17601-A
18.	• Hookswitch Washer	1	D-17602-A
19.	• Spring	1	D-109547-A
20.	• Hookswitch & Tension Spring Shoulder Pin	2	D-37467-A
21.	• Hookswitch Buffer	1	D-75453-A
22.	• Hookswitch Bushing	1	D-750218-A
23.	• Hookswitch Screw	1	D-760707-A
24.	Sidetone Assembly	1	D-68727-A
25.	Capacitor (5 & .4 MF)	1	D-68728-A
26.	Handset & Cord ³	1	L-9027 & L-9024-CO D-731135-A
27.	Cord Clamp	1	
28.	• Cord Clamp Screw (5-40 X 3/8" RHIMS)	1	
29.	Switch Assembly	1	D-735271-A
30.	• Switch Assembly Screw (6-32 X 3/16" RHIMS)	2	
	{1-0	1	D-84820-C
31.	Type 51-A Dial Assembly ⁴ {ABC	1	& D-84869-C D-84821-C & D-84870-C
32.	• Dial Screw (or Dial Hole Cover Screw)	2	D-76838-A
33.	Dial Hole Cover ⁵	1	D-49607-A & D-49609- (N,P,R,S,T, U,W,Y,AA, AB, & AC)
34.	• Dial Hole Cover Screw (4-40 X 1/4" RHIMS) ⁵	1	
35.	Plastic Tubing	5-1/2"	D-542410-A

Notes:

¹See (1) on page 50.

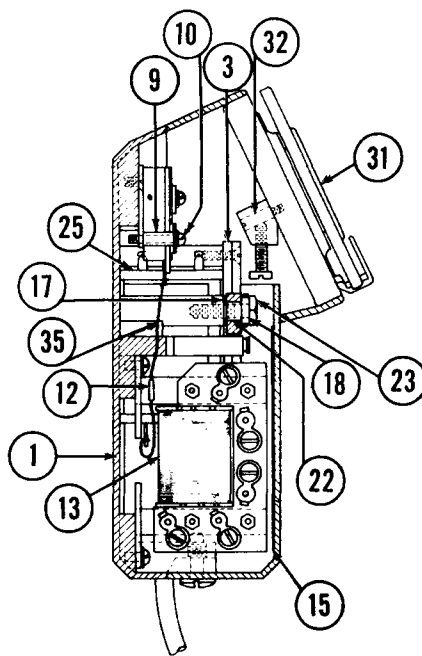
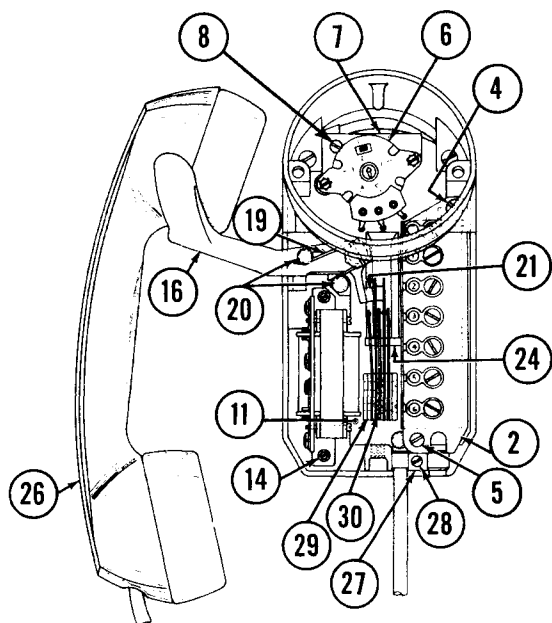
²See (8) on page 50.

³See (3) on page 50.

⁴See (4) on page 50.

⁵Not shown.

Type 83 Compact Telephone

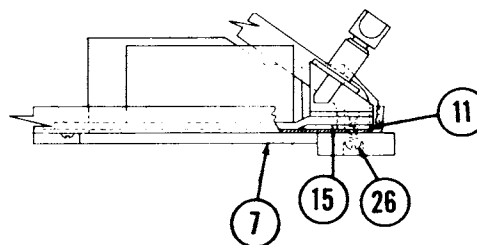
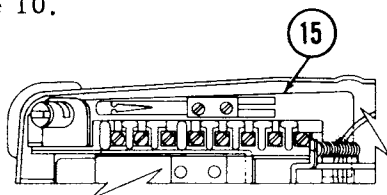


Type 85 Key Feature Telephone

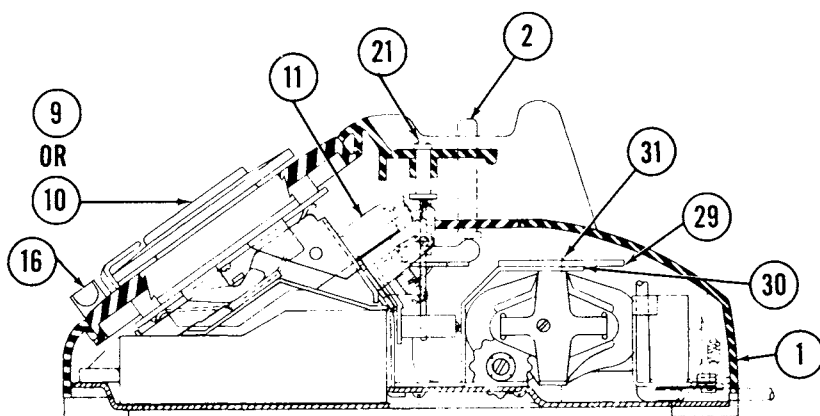
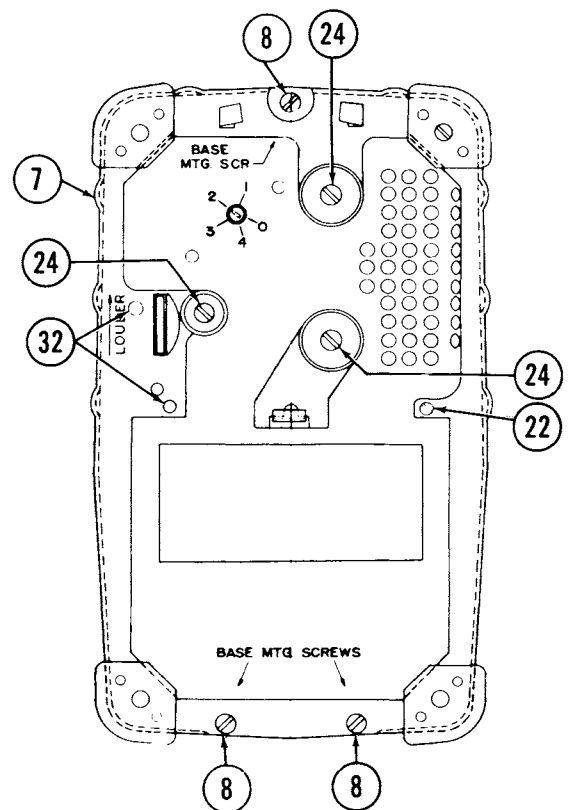
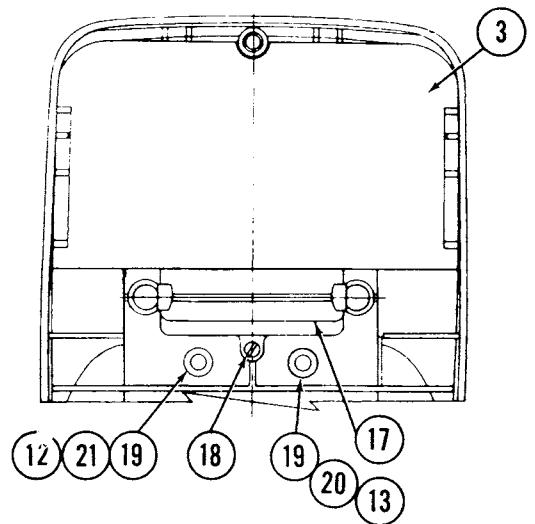
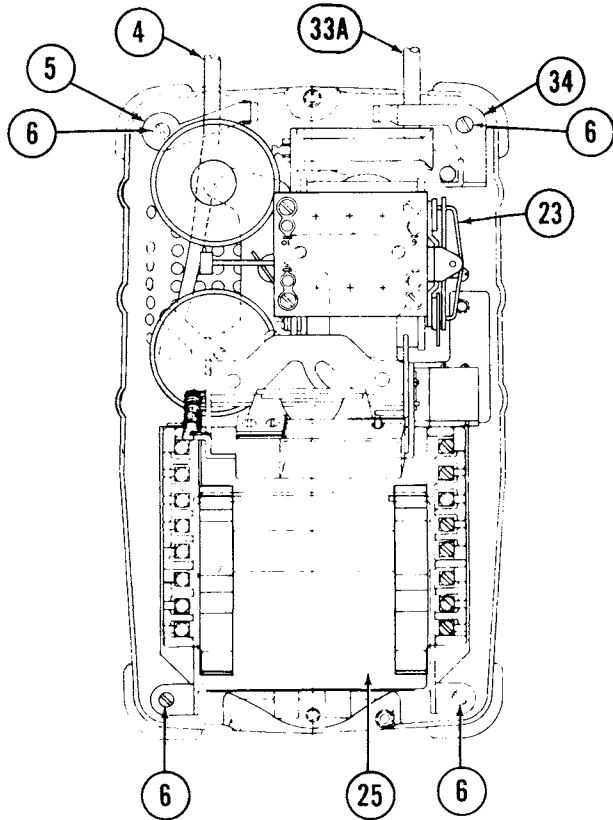
Fig. No.	Description	No. Req.	Order No.
1.	Housing Assembly ¹	1	D-49998-
2.	• Plunger	2	D-67586-A
3.	Standard Circuit Label	1	D-530205-A
4.	Handset & Cord Assembly ³	1	L-9024- & L-9027-
5.	• Handset Cord Clamp	1	D-731490-A
6.	Bracket & Cord Clamp Screw	4	D-760733-A
7.	Base Plate Assembly	1	D-780659-E
8.	• Base Plate Screw	3	D-760793-A
9.	Dial Assembly ⁴ {Type 52 (1-0)	1	D-84900
	{Type 52 (ABC)	1	D-84901
10.	• Dial Hole Cover ² & 5.	1	D-49995-
11.	Switch & Bracket Assembly	1	D-735306-A
12.	• Exclusion Key (85B Tel.)	1	D-735352-A
13.	• Exclusion Key (85C Tel.)	1	D-735352-B
14.	• Tripod	1	D-731713-B
15.	Combination Push & Turn Switch Assembly	1	D-735351-A
16.	• Turn Button	1	D-59282-A
17.	Cradle Hole Cover ²	1	D-49937-
18.	• Cradle Hole Cover Screw (6-32 X 3/8" PK Type F RHS)	1	
19.	Exclusion & Switch Buffer Screw	2	D-760770-A
20.	Left Exclusion Key Plunger Chrome	1	D-67429-A
21.	Right Exclusion Key Plunger Red	1	D-67429-B
22.	Center Switch Mounting Bracket Screw (6-40 X 1/4" RH Steel SEMS)	1	D-760764-A
23.	Ringer Assembly ⁶	1	D-56548-
24.	• Ringer Screw	3	D-760735-A
25.	Transmission Unit	1	D-38368-A
26.	• Transmission Unit Mounting Screw	1	D-760734-A
27.	• Transmission Unit Mounting Square Nut	1	D-77389-A
28.	Terminal Block	2	D-15922-A
29.	Terminal Strip	1	D-150054-A
30.	• Terminal Strip Mounting Bracket	1	D-731578-A
31.	• Terminal Strip Mounting Screw (5-40 X 1/4" RHIMS)	2	
32.	• Terminal Strip Bracket Clamp & Bracket Screw (6-32 X 1/4" RHIMS)	2	
33A.	Line Cord (10 Conductor Suffix A for Black; Suffix B for Grey)	1	D-543121-
33B.	Line Cord (6 Conductor Suffix A for Black; Suffix B for Grey)	1	D-543259-
34.	• Line Cord Cable Clamp	1	D-731586-A

Notes:

- ¹See (1) on page 50.
- ²See (2) on page 50.
- ³See (3) on page 50.
- ⁴See (4) on page 50.
- ⁵See (5) on page 50.
- ⁶See chart on page 10.
- ⁷Not shown.



Type 85 Key Feature Telephone



Type 86 Key Telephone

Fig. No.	Description	No. Req.	Order No.
1.	Housing ¹ {Suffixes without Exclusion Key Feature	1	D-490032-
	{Suffixes with Exclusion Key Feature .	1	D-490039-
2.	• Plunger	2	D-67586-A
3.	• Plunger Buffer Screw	2	D-760770-A
4.	• Left Exclusion Key Plunger Chrome	1	D-67429-A
5.	• Right Exclusion Key Plunger Red	1	D-67429-B
6.	Cradle Hole Cover ²	1	D-49937-
7.	• Cradle Hole Cover Screw (6-32 X 3/8" PK Type F RHS)	1	
8.	Handset & Cord Assembly ³	1	L-9024 & L-9027-
9.	• Handset Cord Hook	1	D-15671-A
10.	• Handset Cord Clamp	1	D-731490-A
11.	• Handset Cord Screw	1	D-760732-A
12.	• Bracket & Cord Clamp Screw	2	D-760733-A
13.	Designation Strip Cover Assembly	1	D-490038-A
14.	• Designation Strip	1	D-530236-A
15.	Lamp Base Assembly	1	D-780714-A
16.	• Lamp Base Assembly Screw (6-40 X 3/4" RHIMS)	2	
17.	• Lamp Base Assembly 6 Flat Washer	2	D-1724-A
18.	• Lamp Shield	4/6	D-18182-A
19.	• Lamp	3,4,5,6	D-94085-A
20.	• Plug Button	2	D-57149-A
21.	• Push Button	4,5,6	D-59291-A
22.	• Cutoff Key	1	D-59292-A
23.	• Cutoff Key Segment	1	D-750246-A
24.	Retaining Bracket ⁶	1	D-731639-A
25.	Dial Assembly ⁴ {Type 52 (1-0)	1	D-84900-
	{Type 52 (ABC)	1	D-84901-
26.	Dial Hole Cover ⁵	1	D-49995-
27.	Hookswitch Assembly {A-E	1	D-735358-A
	{F-K with Exclusion Key	1	D-735364-A
28.	• Hookswitch Assembly Screw (6-40 X 1/4" RHIMS SEMS)	2	D-760764-A
29.	Switch Assembly (A-E)	1	D-735362-
30.	• Switch Assembly Screw (PH SEMS)	2	D-760831-A
31.	Bushing ⁶	1,2,3,4	D-750247-A
32.	Line Cord (34 Conductor Suffix A for Black; Suffix B for Grey)	1	D-543147-A
33.	• Line Cord Holder	1	D-543149-A
34.	Junction Box	1	D-150047-A
35.	• Junction Box Screw (8 X 1-1/2" RHIMS)	2	
36.	Straight-Line Ringer	1	D-56560-A
37.	Buzzer {14.40 V.D.C.	1	D-56565-A
	{15.21 V.A.C.	1	D-56565-A
38.	Buzzer (10-20 V.A.C. - D.C.)	1	D-56565-B
39.	• Buzzer Mounting Bracket Grommet	2	D-67431-A11
40.	• Buzzer Mounting Bracket Shoulder Screw	2	D-760818-A
41.	Base Plate Assembly (Equipment with Transmission Unit & Rheostat)	1	D-780742-A
42.	• Base Plate Screw	3	D-760793-A

Notes:

¹See (1) on page 50.

²See (2) on page 50.

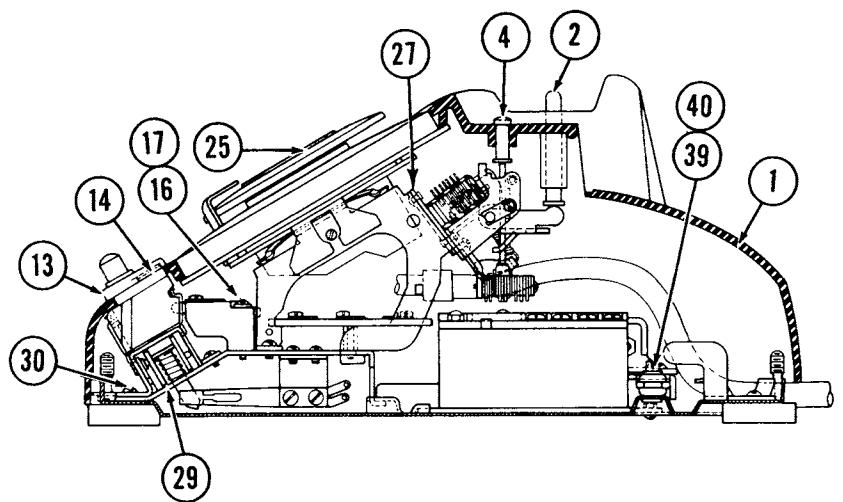
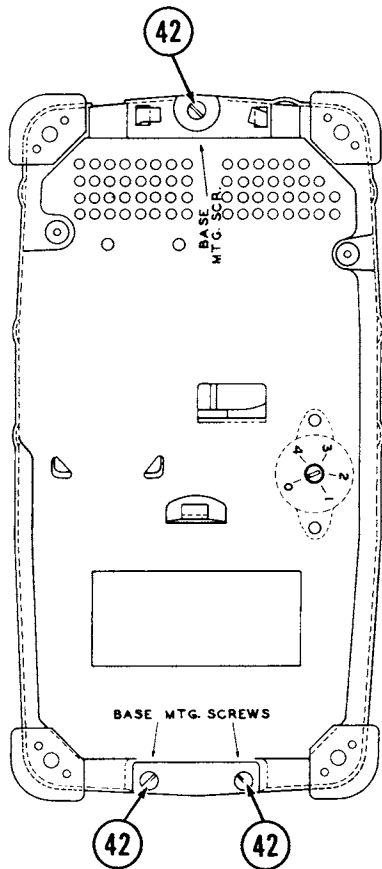
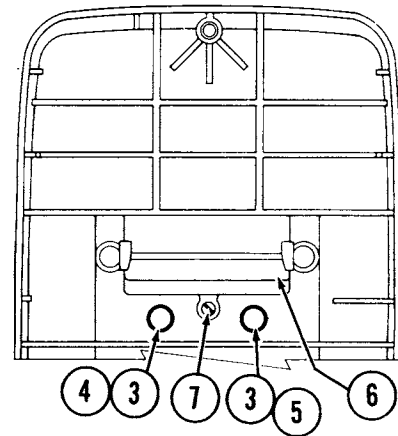
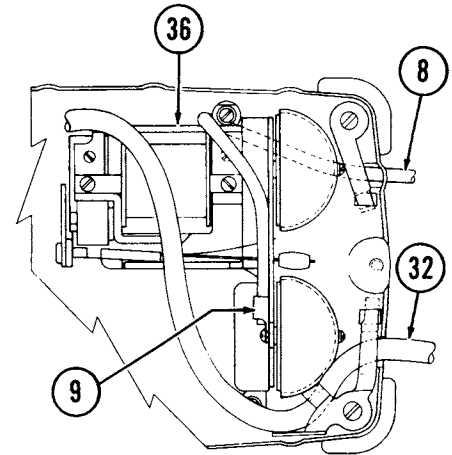
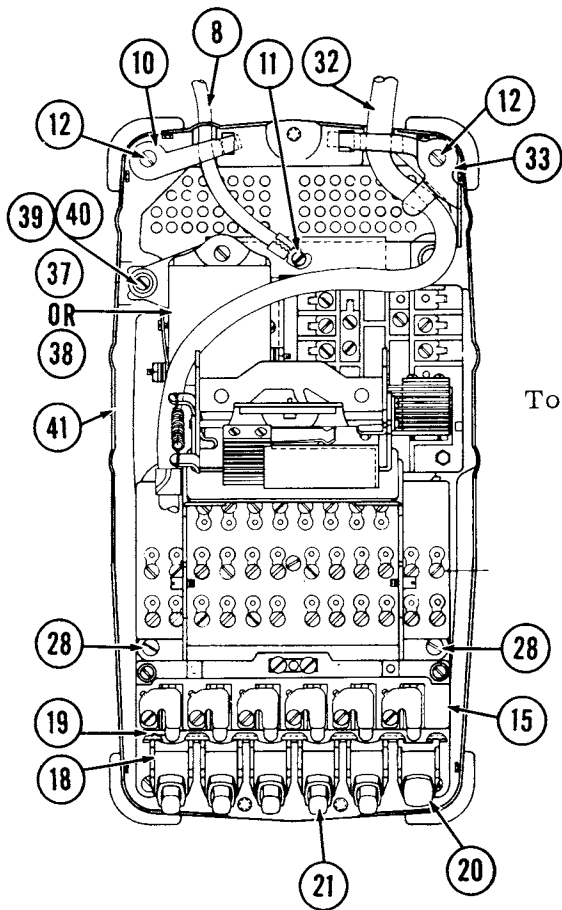
³See (3) on page 50.

⁴See (4) on page 50.

⁵See (5) on page 50.

⁶Not shown.

Type 86 Key Telephone

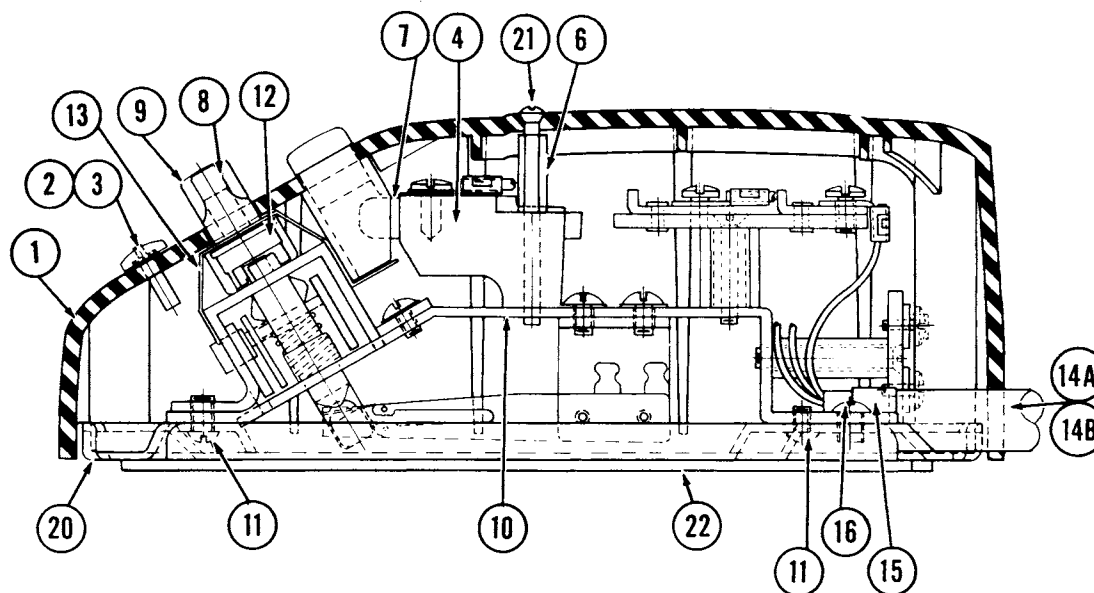


Type 86A Key Telephone Adapter Unit

Fig. No.	Description	No. Req.	Order No.
1.	Housing & Lamp Cap Assembly (Suffixes A-D)	1	D-49988-
2.	Designation Cover Assembly {A	1	D-49991-A
	{B	1	D-49991-B
3.	Designation Strip {A	1	D-530197-A
	{B	1	D-530200-A
4.	Lamp Base Assembly	1	D-780714-A
5.	Lamp Base Assembly Screw (6-40 X 3/4" RHIMS)	2	
6.	Stud	2	D-19421-A
7.	Lamp	3,4,5,6	D-94085-A
8.	Turn Button	1	D-59279-A
9.	Push Button	4,5,6	D-59280-A
10.	Switch Assembly (Suffixes A-F)	1	D-735343-A
11.	Switch Assembly Screw (6-40 X 1/4" RHIM SEMS)	3	D-760764-A
12.	Bushing {A	1	D-750246-A
	{B	1	D-750247-A
13.	Retaining Bracket	1	D-731564-A
14A.	Cord Assembly {23 Conductor	1	D-543107-A
14B.	{30 Conductor	1	D-543108-A
15.	Cord Assembly Clamp	1	D-731563-A
16.	Cord Assembly Clamp Screw (6-32 X 1/4" RHIM SEMS)	1	D-760213-A
17.	Cord (4 Conductor) ¹	1	CD-623990-
18.	Junction Box ¹	1	D-150047-A
19.	Junction Box Screw (8 X 1-1/2" RHIWS) ¹	2	
20.	Base Plate Assembly	1	D-780716-A
21.	Cover Screw (6-32 X 5/16" DHIMS)	2	D-76661-A
22.	Adhesive Back Tape (Spring Cork No. 600)	10"	

Note:

¹Not shown.



Type 87 Multiline Telephone

Fig. No.	Description	No. Req.	Order No.
1.	Housing ¹ { Without Exclusion Key	1	D-490064-
	{ With Exclusion Key	1	D-490072-
2.	• Plunger (Signaling Push Button)	1	D-67444-A
3.	• Escutcheon	1	D-550125-A
4.	• Plunger Bushing	1	D-750229-A
5.	• Brass Nut (1/4")	1	D-77398-A
6.	• Shakeproof Washer	1	D-17631-A
7.	• Retaining Ring	1	D-65511-E
8.	• Left Hookswitch Plunger (Chrome)	1	D-67586-A
9.	• Right Hookswitch Plunger (Black)	1	D-67636-A
10.	• Left Exclusion Key Plunger (Chrome)	1	D-67429-A
11.	• Right Exclusion Key Plunger (Red)	1	D-67429-B
12.	• Buffer Screw	2	D-760770-A
13.	Cradle Hole Cover ²	1	D-49937-
14.	• Cradle Hole Cover Screw (6-32 X 3/8" PK Type F RHS)	1	
15.	Hookswitch Assembly { Suffix A	1	D-735381-A
	{ Suffix B with Exclusion Key	1	D-735382-A
16.	• Hookswitch Screw (6-40 X 1/4" RHIMS SEMS)	5	D-760764-A
17.	Handset & Cord Assembly ³	1	L-9024- & L-9027-
18.	• Handset Cord Hook	1	D-15671-A
19.	• Handset Cord Clamp	1	D-731490-A
20.	• Cord Clamp Screw	2	D-760733-A
21.	Designation Strip Cover Assembly	1	D-490038-A
22.	• Designation Strip	1	D-530236-A
23.	Lamp Base Assembly	1	D-780793-A
24.	• Lamp Base Screw (6-40 X 3/4" RHIMS)	2	
25.	• Lamp Base Assembly 6 Flat Washer	2	D-1725-A
26.	• Lamp Shield	6	D-18182-A
27.	• Lamp	3	D-94093-A
28.	• Retaining Bracket	1	D-731639-A
29.	• Push Button	6	D-59291-A
30.	Dial Assembly ⁴ { Type 52 (1-0)	1	D-84900-
	{ Type 52 (ABC)	1	D-84901-
31.	Dial Hole Cover Assembly ⁵	1	D-49995-
32.	Spring & Bracket Assembly	1	D-735387-A
33.	• Spring & Bracket Assembly Screw (6-40 X 7/16" RPHIMS SEMS)	2	D-760831-A
34.	Release Lever	1	D-16379-A
35.	• Retaining Ring	1	D-65511-F
36.	Line Cord (Suffix A for Black; Suffix B for Grey)	1	D-543269-
37.	• Line Cord Clamp	1	D-543268-A
38.	Rectifier	1	D-35216-A
39.	• Rectifier Mounting Bracket	1	D-731718-A
40.	Signal Switch Assembly	1	D-735386-A
41.	• Signal Switch Screw (6-40 X 3/16" RHIMS SEMS)	2	D-760858-A
42.	Circuit Label (H-54474)	1	D-530290-A
43.	Connecting Block	1	D-150142-A
44.	• Connecting Block Cover	1	D-490084-A
45.	Straight-Line Ringer	1	D-56560-A
46.	Base Plate (Equipped with Transmission Unit & Rheostat)	1	D-780742-A
47.	• Base Plate Screw	3	D-760793-A

Notes:

¹See (1) on page 50.

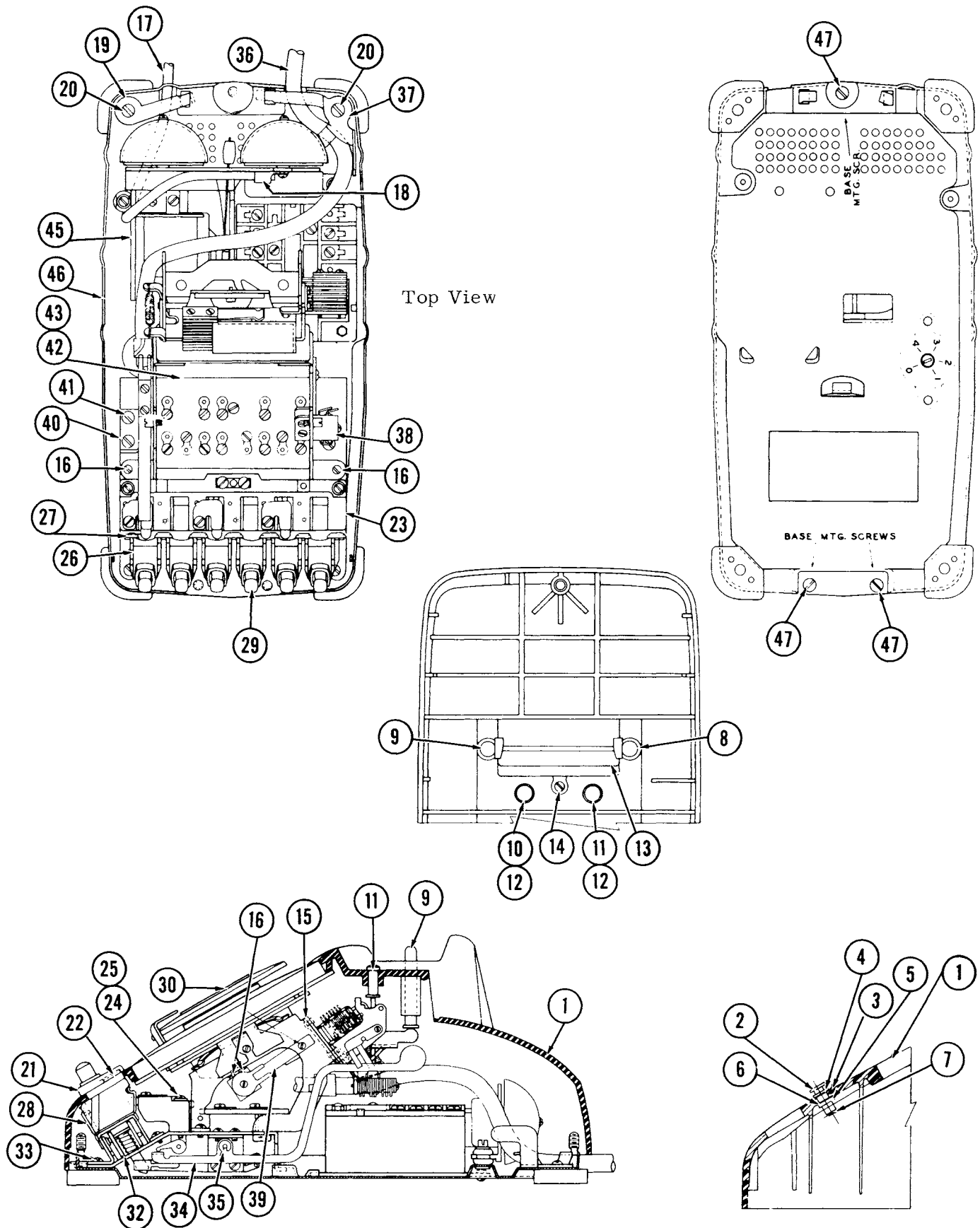
²See (2) on page 50.

³See (3) on page 50.

⁴See (4) on page 50.

⁵See (5) on page 50.

Type 87 Multiline Telephone



Type 88 Loud-Speaking Telephone

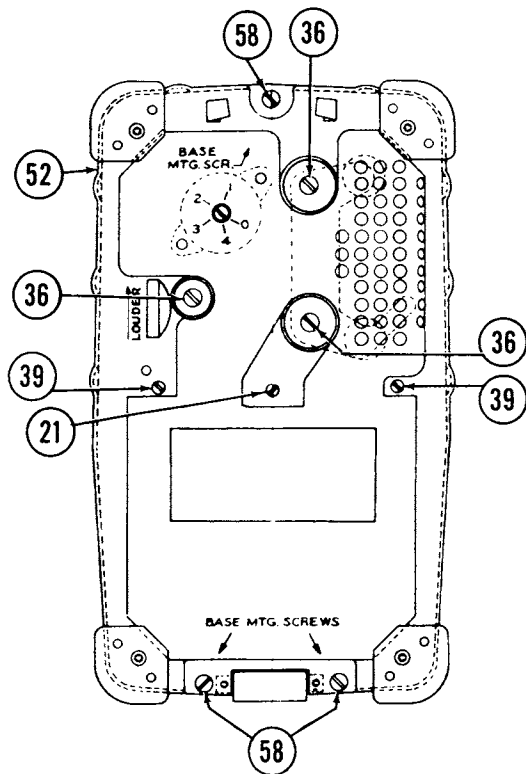
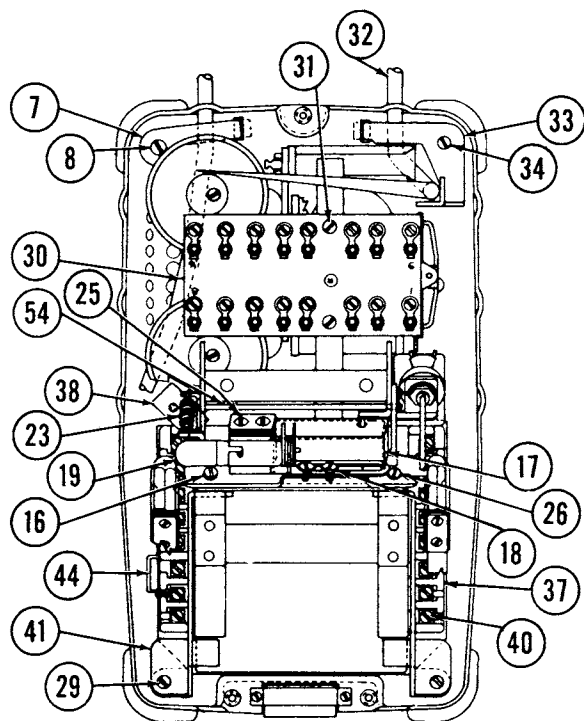
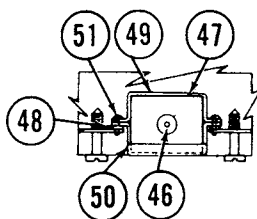
Fig. No.	Description	No. Req.	Order No.
1.	Housing Assembly ¹	1	D-49972-
2.	• Hookswitch Plunger	2	D-67586-A
3.	Cradle Hole Cover ²	1	D-49937-
4.	• Cradle Hole Cover Screw (6-32 X 3/8" PK Type F RHS)	1	
5.	Standard Circuit Label	1	D-530174-A
6.	Handset Assembly ³	1	L-9024- & L-9027-
7.	Cord Clamp	1	D-73149-A
8.	Bracket & Cord Clamp Screw	4	D-760733-A
9.	Dial Assembly ⁴ {Type 52 (1-0)	1	D-84912-
	{Type 52 (ABC)	1	D-84913-
10.	Dial Mounting Bracket	1	D-731543-A
11.	• Dial Assembly Screw (4-36 RHIM SEMS)	3	D-760730-A
12.	• Dial Dust Cover	1	D-49929-A
13.	• Dust Cover Screw (4-36 X 9/16" RHIMS) ⁷	2	
14.	• Dial Hole Cover ⁵ & ⁷	1	D-49995-
	• Dial Blank Screw (4 X 3/8" PK Type Z RHS)	3	
	• Black Escutcheon Ring	1	D-65112-D
	• Chrome Escutcheon Ring	1	D-65510-A
	• Black Dial Card	1	D-53620-A
	• White Dial Card	1	D-530182-A
	• Celluloid Cover	1	D-53176-A
	• Black Dial Card Clamping Plate	1	D-78541-A
15.	On and Off Spring Assembly	1	D-735335-A
16.	Push Button Screw	2	D-760732-A
17.	Lamp Socket	1	(CINCH) 154143
18.	Screw (6-40 X 3/16" RHIMS)	2	
19.	Indicator Lamp	1	D-94081-A
20.	Switch & Bracket Assembly	1	D-735336-A
	• Tripod	1	D-731713-B
	• Top Flat Tension Spring	2	D-109755-A
	• Bottom Flat Tension Spring	2	D-109835-A
21.	• Switch Mounting Bracket Screw	3	D-760764-A
22.	• Hookswitch Lever & Buffer Assembly	1	D-16360-A
23.	• Switch Lever Coil Spring	1	D-109780-A
24.	• Spring Combination	1	D-735336-X
25.	Screw	2	D-760558-L
26.	Dust Cover	1	D-49928-A
27.	Volume Control Potentiometer	1	D-284155-A
28.	Clear Plastic Volume Control Knob ⁶	1	D-59299-A
29.	Bracket & Cord Clamp Screw	Same as 8	
30.	Terminal Strip Assembly	1	D-150034-A
31.	• Terminal Strip Assembly Screw (4-40 X 3/16" FHIMS)	2	
32.	16 Conductor Cord (Suffix A for Grey)	1	D-543093-A
33.	Cable Clamp	1	D-731532-A
34.	Bracket & Cord Clamp Screw	Same as 8	
35.	Ringer Assembly ⁸	1	D-56548-
36.	Ringer Assembly Screw	3	D-760735-A
37.	Transmission Unit	1	D-38362-C
38.	• Transmission Unit Clamp	1	D-731491-A
39.	• Clamp & Bracket Screw (6-32 X 1/4" RHIMS)	2	
40.	• Terminals Screw (5-40 X 1/4" Bdg. HBRMS)	16	
41.	• Left Transmission Clamp	1	D-731523-A
42.	• Right Transmission Clamp	1	D-731524-A
43.	• Bracket & Cord Clamp Screw	Same as 8	
44.	• Wire Clamp	1	D-731510-A

Type 88 Loud-Speaking Telephone

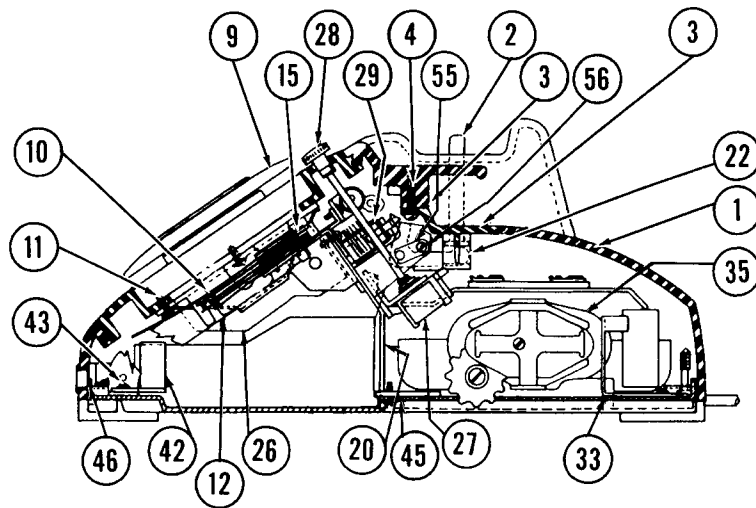
Fig. No.	Description	No. Req.	Order No.
45.	• Transmission Unit Mounting Block	1	D-660256-A
46.	Microphone	1	D-38372-A
47.	• Microphone Cushion	1	D-67443-A
48.	• Microphone Bushing	2	D-750241-A
49.	• Upper Microphone Bracket	1	D-731520-A
50.	• Lower Microphone Bracket	1	D-731521-A
51.	• Microphone Screw (3-48 X 1/8" RHIMS)	2	
52.	Base Plate Assembly	1	D-780692-A
53.	• Base Plate Screw	3	D-760719-A
54.	Switch Lever Bearing Pin	1	D-37592-A
55.	Switch Lever Pin Lock	1	D-58062-A
56.	Pin Lock (3-48 X 3/15" Bdg. HIMS)	1	

Notes:

- 1See (1) on page 50.
- 2See (2) on page 50.
- 3See (3) on page 50.
- 4See (4) on page 50.
- 5See (5) on page 50.
- 6See (6) on page 50.
- 7Not shown.
- 8See chart on page 10.



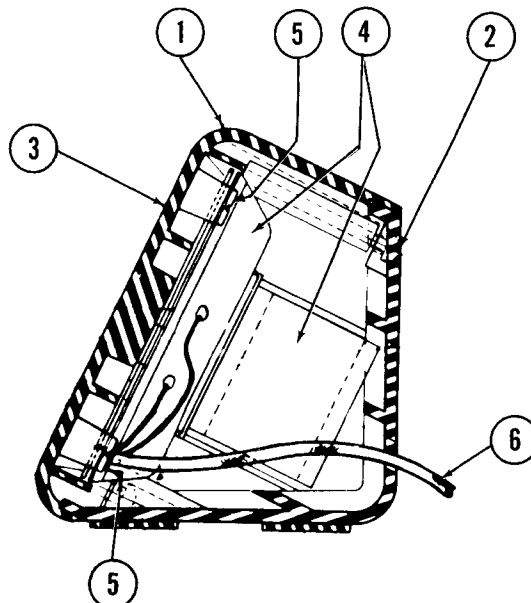
Type 88 Loud-Speaking Telephone



Type 88 Speaker Assembly

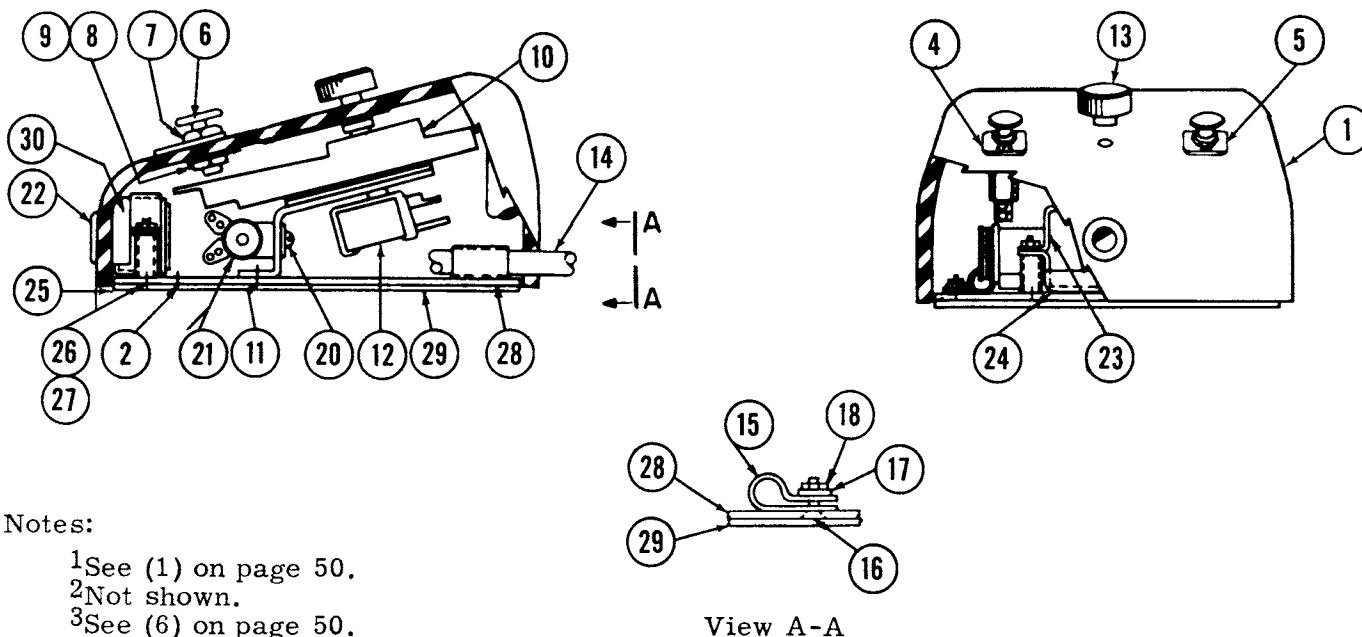
Fig. No.	Description	No. Req.	Order No.
1.	Front and Rear Cover Assembly*	1	D-49973-
2.	Mounting Screw (6-32 X 1/2")	4	D-760783-A
3.	Screen	1	D-18188-A
4.	Speaker	1	Jensen Model P-3-V
5.	Speaker Mounting Screw	4	D-760788-A
6.	Speaker Cord*	1	D-543214-

*Note: (Black-A, Sand Beige-B, Dawn Grey-C, Jade Green-D, Classic Ivory-E, Garnet Red-F, Turquoise-G, Colonial Blue-H, and Sunlight Yellow-J.



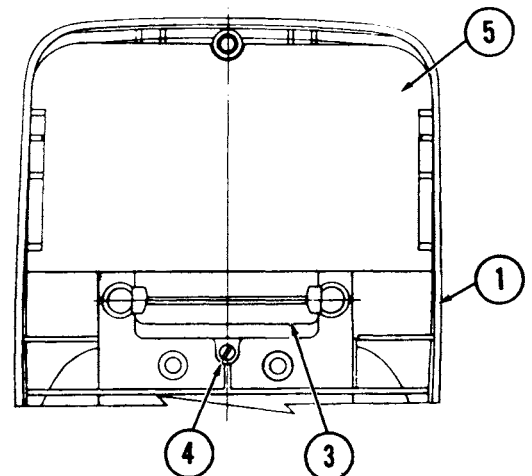
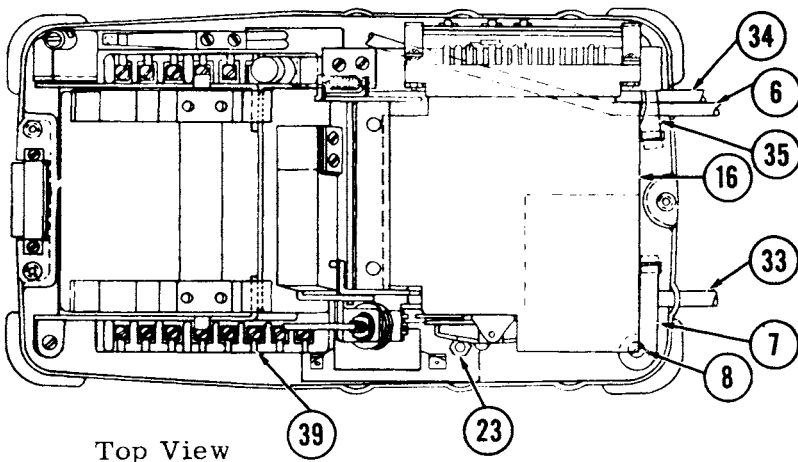
Adapter Unit for Type 88A Loud-Speaking Telephone Conversion Set

Fig. No.	Description	No. Req.	Order No.
1.	Housing Assembly ¹	1	D-49983-
2.	Mounting Screw (4-40 X 3/8" FHPKFS)	3	
3.	Circuit Label ²	1	D-530187-A
4.	Escutcheon (ON)	1	D-550095-A
5.	Escutcheon (OFF)	1	D-550095-B
6.	Plunger	2	D-67444-A
7.	Bushing	2	D-750229-A
8.	Brass Hex Nut (1/4-32)	2	D-77398-A
9.	Shakeproof Washer (1/4)	2	D-17631-A
10.	Push Button Spring & Bracket Assembly	1	D-735338-A
11.	Mounting Screw (4-40 X 3/16" FHIMS)	2	
12.	Potentiometer	1	D-284155-B
13.	Clear Plastic Volume Control Knob ³	1	D-59299-A
14A.	Cord Assembly (10 Conductor Suffix A for Grey)	1	D-543099-A
14B.	Black Cord (4 Conductor)	1	CD-604090
15.	Plastic Clamp Support	1	D-731449-C
16.	Screw (4-40 X 5/16")	1	
17.	4 Washer	1	D-1726-A
18.	Hex Nut (4-40)	1	D-77299-C
19.	Lamp Socket	1	(DRAKE) 206-AH
20.	Screw (6-40 X 1/8" RHIMS)	2	
21.	Lamp (28-Volt)	1	D-94081-A
22.	Microphone	1	D-38372-A
23.	Upper Microphone Bracket	1	D-731520-A
24.	Lower Microphone Bracket	1	D-731521-A
25.	Bushing	2	MP-3895
26.	Screw (3-48 X 9/16" FHIMS)	2	
27.	Hex Nut (3-48)	2	D-7719-A
28.	Base Plate	1	D-780700-A
29.	Base Cushion	1	D-67450-A
30.	Microphone Cushion	1	D-67443-A



Type 88T Loud-Speaking Telephone

Fig. No.	Description	No. Req.	Order No.
1.	Housing Assembly ¹	1	D-490047-
2.	• Hookswitch Plunger	2	D-67586-A
3.	• Cradle Hole Cover ²	1	D-49937-
4.	• Cradle Hole Cover Screw (6-32 X 3/8" PKFRHS)	1	
5.	• Circuit Label ⁸	1	D-530244-A
6.	Handset Assembly ³	1	L-9024- & L-9027-
7.	Cord Clamp	1	D-731490-A
8.	Bracket & Cord Clamp Screw	2	D-760733-A
9.	Dial Assembly ⁴ {Type 52 (1-0)	1	D-84912-
	{Type 52 (ABC)	1	D-84913-
10.	• Dial Mounting Bracket	1	D-731543-A
11.	• Dial Assembly Screw (4-36 RHIM SEMS)	3	D-760730-A
12.	• Dial Dust Cover	1	D-49929-A
13.	• Dust Cover Screw (4-36 X 9/16" RHIMS) ⁸	2	
14.	Dial Hole Cover ⁵ & 8	1	D-49995-
	• Dial Blank Screw (4 X 3/8" PKZ RHS)	3	
	• Black Escutcheon Ring	1	D-65112-D
	• Chrome Escutcheon Ring	1	D-65510-A
	• Black Dial Card	1	D-53620-A
	• White Dial Card	1	D-530182-A
	• Celluloid Cover	1	D-53176-A
	• Black Dial Card Clamping Plate	1	D-78541-A
15.	Resistor	1	D-284080-B27
16.	Printed Wire Board	1	D-35295-A
17.	Push & Turn Key Switch	1	D-735367-A
18.	Indicator Lamp	1	FD-1023-AD
19.	Connector Mounting Bracket	1	D-660290-A
20.	Capacitor (1 MF)	1	D-68744-BN
21.	• Capacitor Insulator	1	D-440332-A
22.	• Capacitor Mounting Plate	1	D-780756-A
23.	• Capacitor Nut (6-32)	1	D-7756-A
24.	• Capacitor Screw (6-32 X 3/8" RHIMS) ⁸	1	
25.	Transformer	1	D-95102-A
26.	• Transformer Screw (4-36 X 3/16" RHIMS)	1	
27.	Volume Control Potentiometer	1	D-284299-A
28.	Clear Plastic Volume Control Knob ⁶	1	D-59299-A
29.	Turn Key Knob	1	D-59282-A
30.	Switch Bracket Screw	1	D-760764-A
31.	Bracket & Cord Clamp Screw	Same as 8	

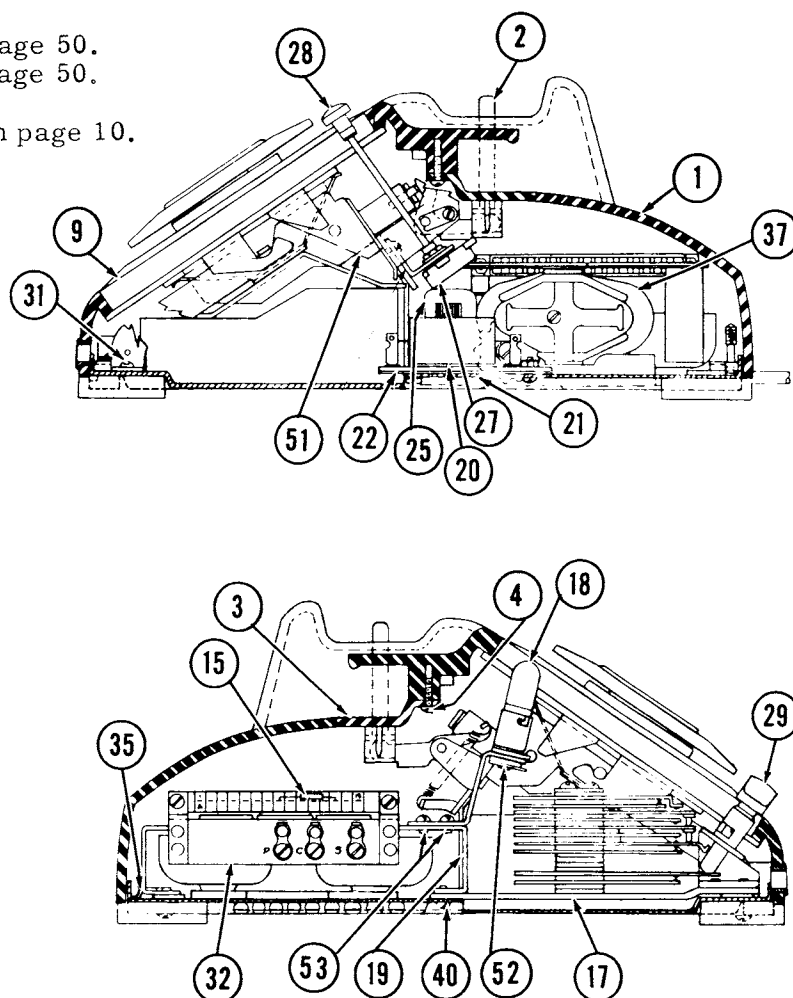
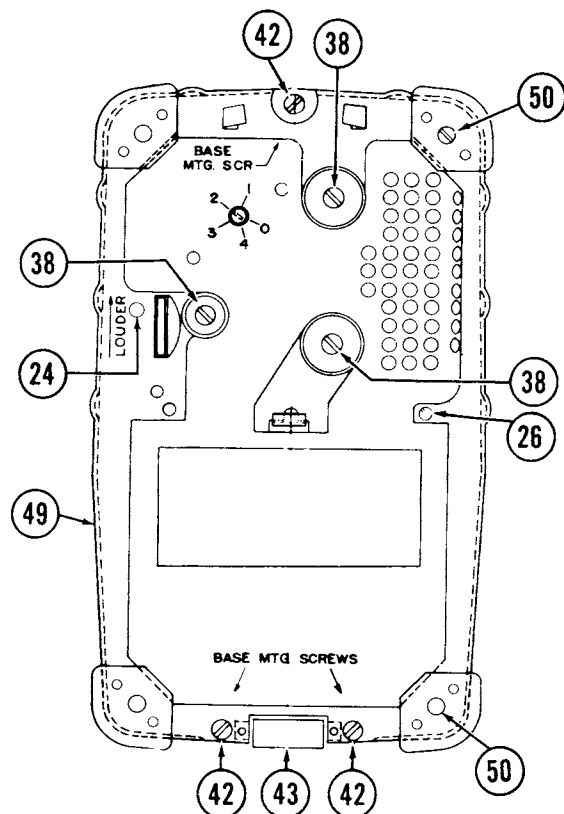


Type 88T Loud-Speaking Telephone

Fig. No.	Description	No. Req.	Order No.
32.	Terminal Block Assembly	1	D-150000-A
33.	Line Cord ⁷	1	CD-616075-
34.	Loud Speaker	1	L-7033-
35.	Cable Clamp	1	D-731654-A
36.	Bracket & Cord Clamp Screw	Same as 8	
37.	Ringer Assembly	1	D-56548
38.	• Ringer Assembly Screw	3	D-760735-A
39.	Transmission Unit	1	D-38368-B
40.	Clamp & Bracket Screw (6-32 X 1/4" RHIMS)	1	
41.	Bracket & Cord Clamp Screw	Same as 8	
42.	Base Mounting Screw	3	D-760719-A
43.	Microphone	1	D-38372-A
44.	• Microphone Cushion	1	D-67443-A
45.	• Microphone Bushing	2	D-750241-A
46.	• Upper Microphone Bracket	1	D-731520-A
47.	• Lower Microphone Bracket	1	D-731521-A
48.	• Microphone Screw (3-48 X 3/16" RHIMS) ⁸	2	
49.	Base Plate Assembly	1	D-780751-A
50.	• Base Plate Screw	2	D-760734-A
51.	Switch & Bracket Assembly	1	D-735365-A
52.	Lamp Socket Assembly	1	D-94087-A
53.	• Lamp Socket Screw (4-40 X 1/8" RHIMS)	2	

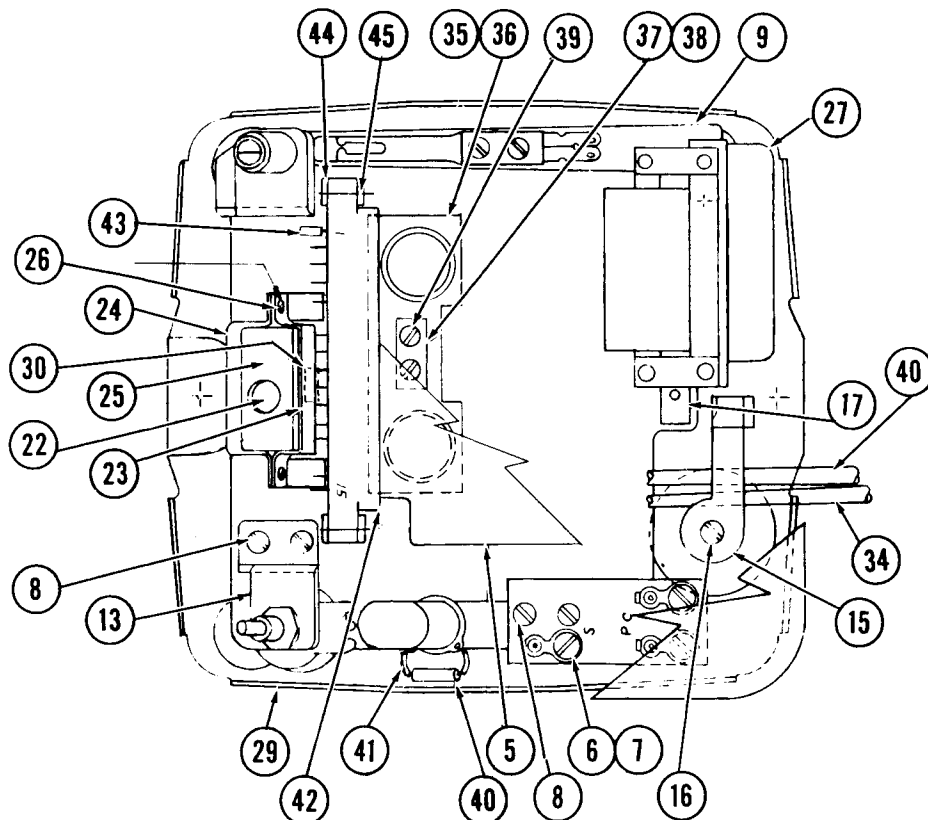
Notes:

- ¹See (1) on page 50. ⁶See (6) on page 50.
²See (2) on page 50. ⁷See (7) on page 50.
³See (3) on page 50. ⁸Not shown.
⁴See (4) on page 50. ⁹See chart on page 10.
⁵See (5) on page 50.



Adapter Unit for Type 88AT Loud-Speaking Telephone Conversion Set

Fig. No.	Description	No. Req.	Order No.
1.	Housing Assembly ¹	1	D-490049-
2.	· Housing Screw	2	D-760719-A
3.	Connecting Block ²	1	D-150142-A
4.	· Connecting Block Cover ²	1	D-490084-A
5.	Printed Wire Board Assembly	1	D-35295-A
6.	Terminal Strip	1	D-150121-A
7.	Terminal Strip Insulator	1	D-440333-A
8.	Screw (4-40 X 1/4" RHIMS)	4	
9.	Key Assembly	1	D-735367-A
10.	· Turn Key	1	D-59282-A
11.	Potentiometer	1	D-284299-B
12.	Clear Plastic Volume Control Knob ³	1	D-59299-A
13.	Volume Control Mounting Bracket	1	D-731656-A
14A.	Line Cord (6 Conductor - Suffix A for Black; Suffix B for Grey)	1	D-543286-
14B.	Line Cord (8 Conductor - Suffix A for Black; Suffix B for Grey)	1	D-543287-
15.	Cord Clamp	1	D-731490-A
16.	· Cord Clamp Screw (6-32 X 1/4" RHIMS)	1	
17.	Spacer	1	D-65528-A
18.	Nut (6-32)	2	D-7756-A
19.	Screw (6-32 X 5/16" RHIMS)	2	
20.	Lamp Socket Assembly	1	D-94088-A
21.	Lamp	1	FD-1023-AD



Adapter Unit for Type 88AT Loud-Speaking Telephone Conversion Set

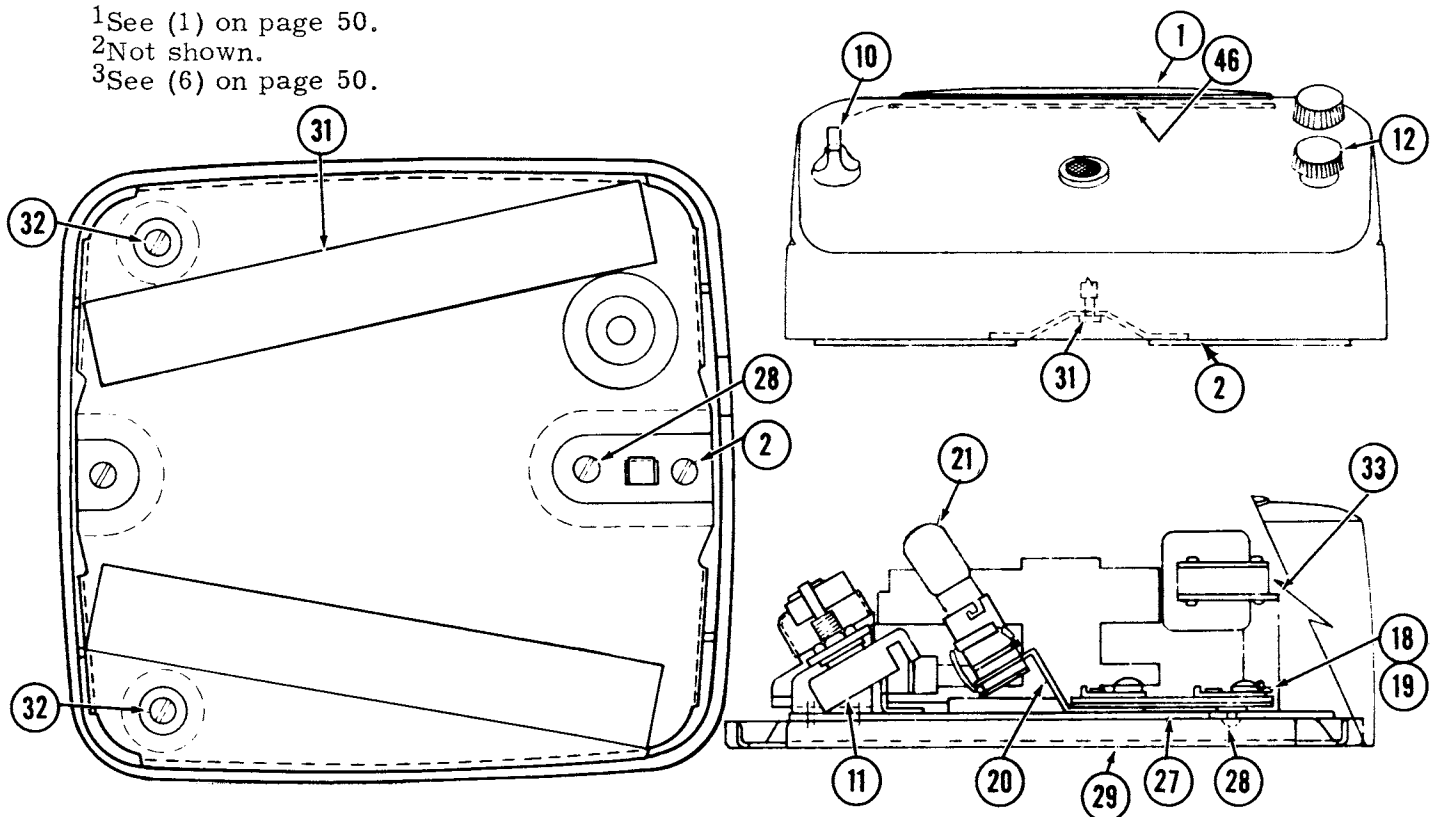
Fig. No.	Description	No. Req.	Order No.
22.	Microphone	1	D-38372-A
23.	• Upper Microphone Mounting Bracket	1	D-731520-A
24.	• Lower Microphone Mounting Bracket	1	D-731521-A
25.	• Microphone Cushion	1	D-67443-A
26.	• Microphone Bracket Screw (3-48 X 3/16" RHIMS)	2	
27.	Sub-Base Assembly	1	D-780754-A
28.	• Sub-Base Screw (6-40 X 5/16" RHIMS)	1	
29.	Base Plate Assembly	1	D-780716-A
30.	Resistor (12-1/2 W)	1	D-284080-B27
31.	• Base Cushion (Spring Packing Corp.)	10"	
32.	• Base Plate Screw (6-40 X 3/16" RHIMS)	2	
33.	Transformer Assembly	1	D-95103-A
34.	Speaker Assembly	1	L-7033-
35.	Varistor Assembly	1	D-67625-A
36.	• Lower Varistor Insulator	1	D-440331-A
37.	• Upper Varistor Insulator	1	D-44356-A
38.	• Varistor Washer	1	D-17060-A
39.	• Varistor Mounting Screw (4-40 X 1/4" FHIMS)	2	
40.	Capacitor (1 MF - 200 V)	1	D-68744-BN
41.	• Capacitor Sleeve	1"	D-542410-A
42.	Connector	1	FD-1004-CK
43.	• Connector Sleeve	1/2"	D-542410-D
44.	• Connector Rivet	2	D-37618-A
45.	• Connector Washer	2	D-17297-A
46.	Circuit Label	1	D-530251-A

Notes:

¹See (1) on page 50.

²Not shown.

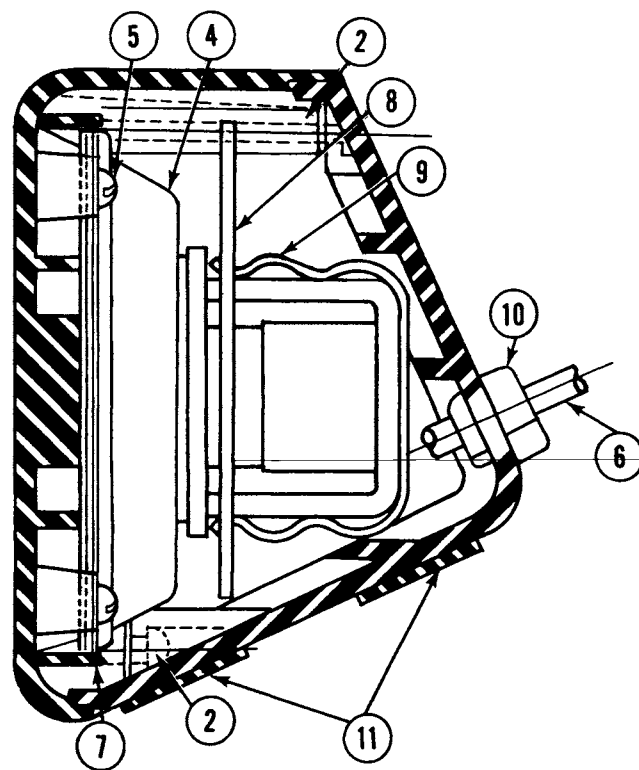
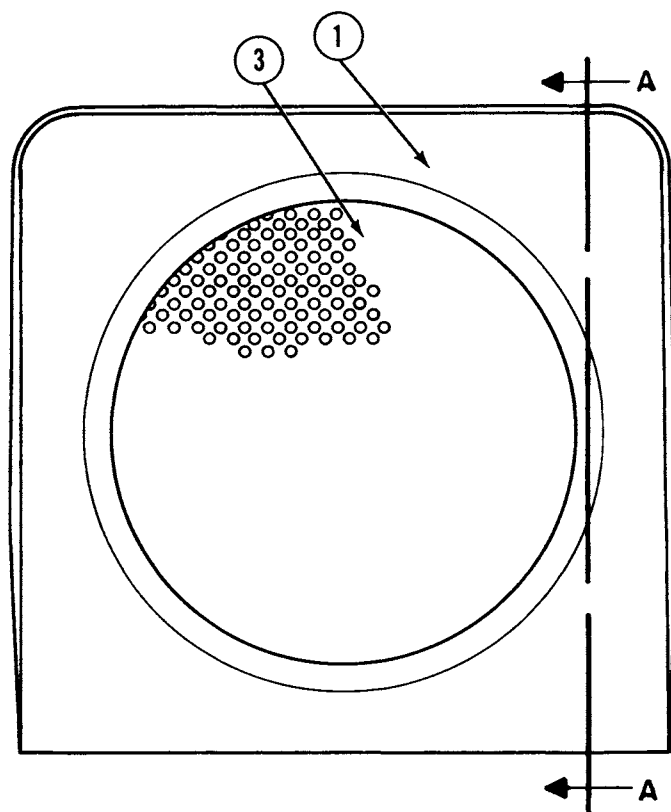
³See (6) on page 50.



Type 88T and Type 88AT Speaker Assembly

Fig. No.	Description	No. Req.	Order No.
1.	Front and Rear Cover Assembly*	1	D-49973-
2.	Mounting Screw (6-32 X 1/2")	4	D-760783-A
3.	Screen	1	D-18188-A
4.	Speaker	1	FD-1054-AC
5.	Speaker Mounting Screw	4	D-760788-A
6.	Speaker Cord*	1	D-543215-
7.	Insulator	1	D-440350-A
8.	Printed Wire Board Assembly	1	D-35296-A
9.	Printed Wire Board Clip	1	D-731657-A
10.	Bushing (Strain Relief)	1	FD-1025-AB
11.	Base Cushion	7"	

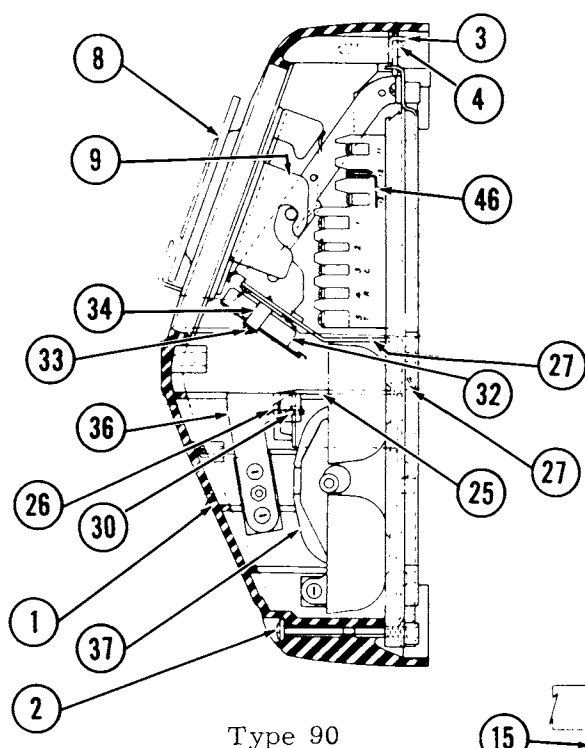
* Note: Black-A, Sand Beige-B, Dawn Grey-C, Jade Green-D, Classic Ivory-E, Garnet Red-F, Turquoise-G, Sunlight Yellow-J, Forget-Me-Not Blue-K, Camellia Pink-L, & Gardenia White-M.



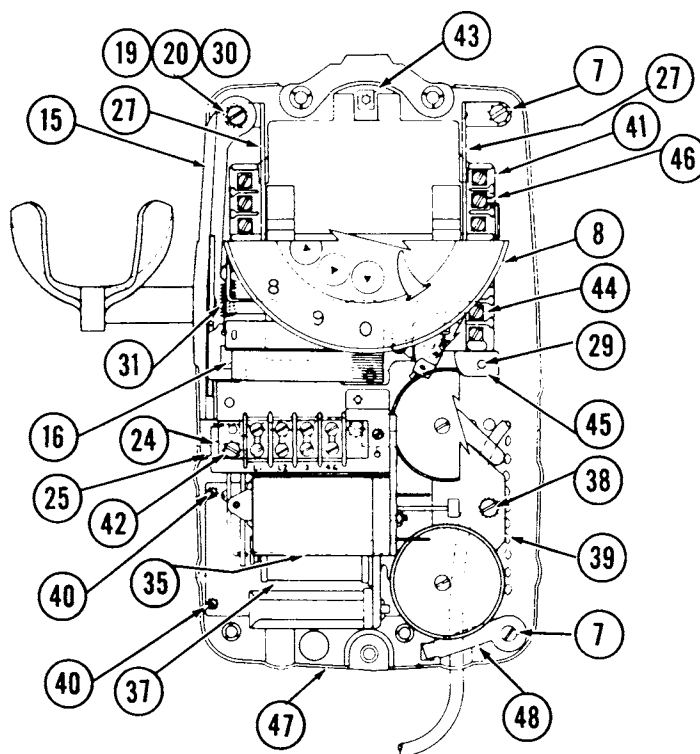
View A-A

Type 90 and Type 90M Telephones

Fig. No.	Description	Type 90		Type 90M	
		No. Req.	Order No.	No. Req.	Order No.
1.	Housing Assembly ¹	1	D-49976-	1	D-49976-
2.	• Housing Screw	1	D-760773-A	1	D-760773-A
3.	• Housing Mounting Bracket	1	D-731536-A	1	D-731536-A
4.	• Housing Bracket Screw (8 X 5/8" PK Type Z RHS)	2	D-76491-C	2	D-76491-C
5.	• Circuit Label	1	D-530176-A	1	D-530253-A
6.	Handset Assembly ³	1	L-9024	1	L-9024-
			& L-9027-		& L-9027-
7.	• Bracket Assembly & Cord Clamp Screw	2	D-760733-A	2	D-760764-A
8.	Dial Assembly ⁴ {Type 52 (1-0)	1	D-84900-	1	D-84900
	{Type 52 (ABC)	1	D-84901-	1	D-84901-
9.	• Dial Mounting Bracket	1	D-731535-A	1	D-731535-A
10.	• Dial Bracket Screw (4-36 RHIM SEMS) ²	1	D-760730-A	1	D-760730-A
11.	• Dial Dust Cover ²	1	D-49929-A	1	D-49929-A
12.	• Dust Cover Screw (4-36 X 9/16" RHIMS) ²	2		2	
13.	Dial Hole Cover ⁵	1	D-49995-	1	D-49995-
14.	• Dial Hole Cover Screw (4 X 3/8" PK Type Z RHS)	3			
15.	Chrome Hookswitch & Bracket Assembly	1	D-731542-A	1	D-735371-A
16.	• Hookswitch Dust Cover	1	D-49928-A	1	D-49928-A
17.	• Hookswitch Screw (6-32 X 3/16" RHIMS)	1			
18.	• Hookswitch Screw			1	D-760734-A
19.	• Hookswitch & Bracket Assembly Screw	1	D-760775-A	1	D-760775-A
20.	Hooklatch Assembly	1	H-883196-1	1	H-883196-A
21.	• Hooklatch	1	D-58065-A	1	D-58065-A
22.	• Hooklatch Screw	1	D-760774-A	1	D-760774-A
23.	• Hooklatch Washer	1	D-17473-A	1	D-17473-A
24.	Terminal Strip	1	D-150024-A3	1	D-150024-A2
25.	• Terminal Strip Bracket	1	D-731534-A		
26.	• Terminal Strip Screw	2	D-760764-A	2	D-760734-A
27.	Tripod Assembly	1	D-735337-A	1	D-731666-A



Type 90



Type 90

Type 90 and Type 90M Telephones

Fig. No.	Description	Type 90		Type 90M	
		No. Req.	Order No.	No. Req.	Order No.
28.	Hookswitch Spring & Bracket Assembly	1	D-735356-A	1	D-735370-A
29.	• Hookswitch Bracket & Clamp Screw (6-32 X 1/4" RHIMS)	2			
30.	Switch & Bracket Assembly	1	D-735337-B		
31.	• Switch Lever Coil Spring	1	D-109797-A	1	D-109858-A
32.	Rheostat	1	D-284068-A	1	D-284068-A
33.	• Rheostat Mounting Screw	2	D-760776-A	2	D-760846-A
34.	• Rheostat Bushing	2	D-750233-A	2	D-750260-A
35.	Capacitor (1 MF)	1	D-68563-A		
36.	• Capacitor Mounting Bracket	1	D-731552-A		
37.	Ringer Assembly ⁶	1	D-56548-	1	D-56548-
38.	• Ringer Mounting Screw	4	D-760735-A	2	D-760735-A
39.	• Ringer Mounting Bracket	1	D-780701-A	1	D-731667-A
40.	• Ringer Mounting Bracket Screw	3	D-760734-A	3	D-760764-A
41.	Transmission Unit	1	D-38362-A	1	D-38370-A
42.	• Transmission Unit Screw	2	D-760734-A		
43.	• Transmission Unit Square Nut ²	1	D-77389-A		
44.	• Transmission Unit Terminal Screw (5-40 X 1/4" Bdg. HBRMS)	16		9	
45.	• Transmission Unit Clamp	1	D-731491-A		
46.	Wire Clamp	1	D-731510-A	1	D-731510-A
47.	Base Plate Assembly	1	D-780694-A	1	D-780762-A
48.	• Base Plate Cord Clamp	1	D-731490-A	1	D-542637-B
49.	Wall Mounting Washer	4	D-17633-A		

Notes:

¹See (1) on page 50.

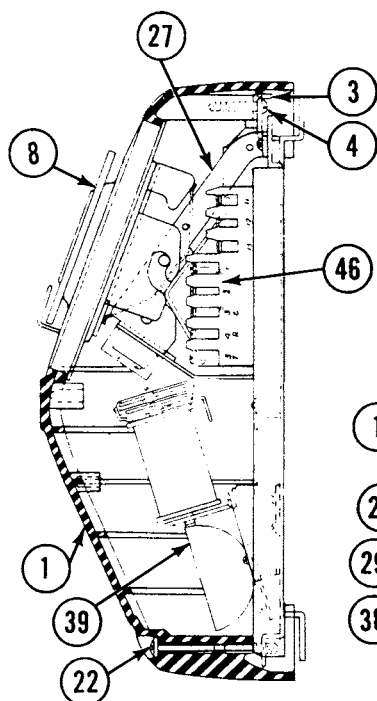
²Not shown.

³See (2) on page 50.

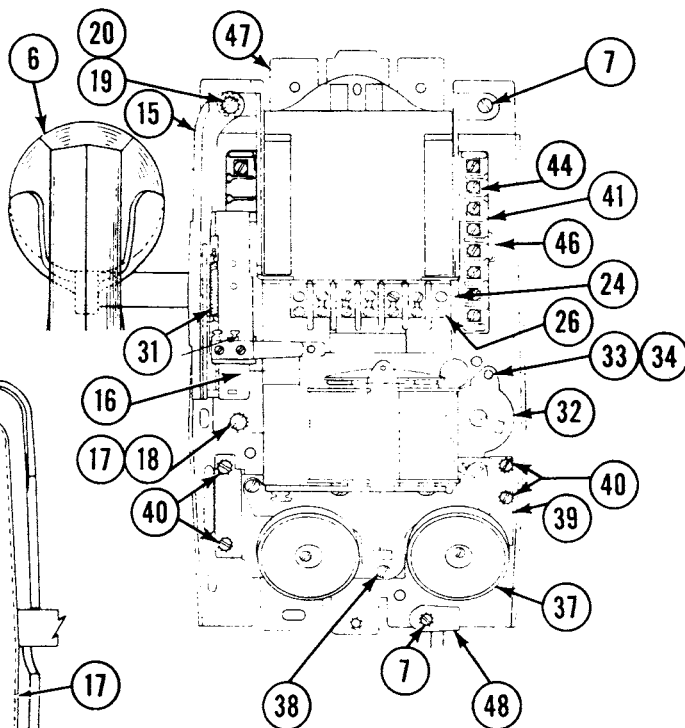
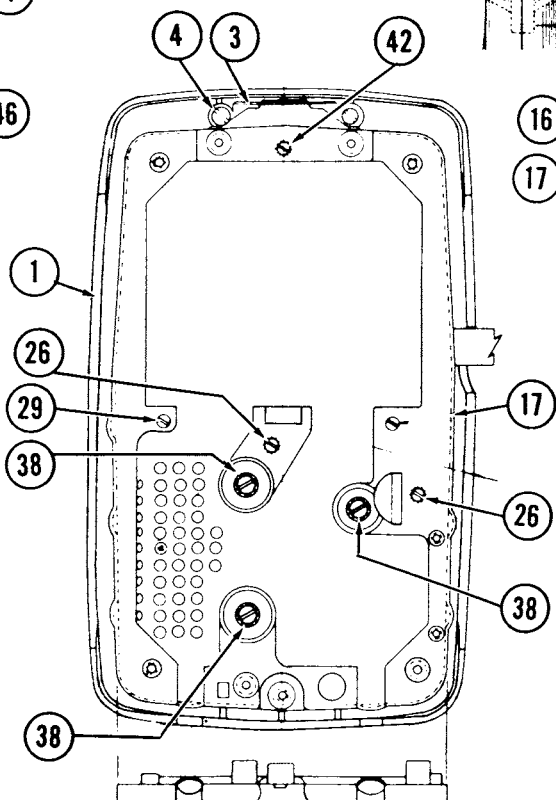
⁴See (3) on page 50.

⁵See (4) on page 50.

⁶See suffix index on page 50.



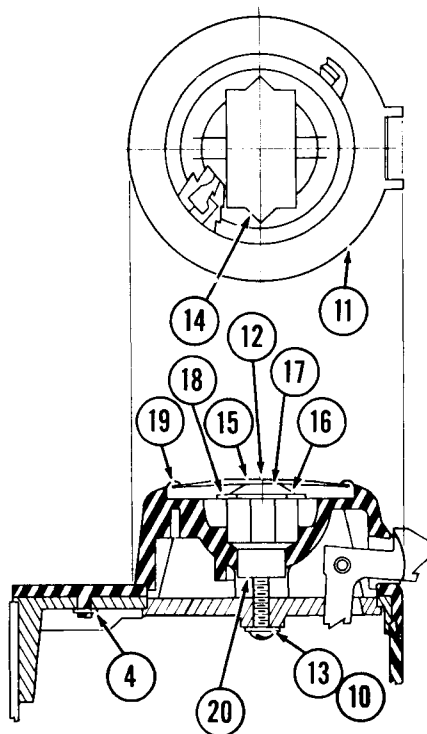
Type 90M



Type 90M

Type 183 Telephone

Fig. No.	Description	No. Req.	Order No.
1.	Front Cover ¹	1	D-490077-
2.	• Front Cover Screw (8-32 X 5/16" Spl. Pan. PHIMS)	2	D-760853-A
3.	Top Cover ¹	1	D-490078-
4.	• Top Cover Speed Nut	1	D-77371-R
5.	Ball Socket ¹	1	D-94092-A
6.	• Ball Grip	1	D-18198-A
7.	Handset & Retractable Cord ²	1	L-9044- & L-9045-
8.	Type 51A Dial Assembly ³ { 1-0	1	D-84820-C
	{ ABC	1	& D-84869-C D-84821-C & D-84870-C
9.	• Lock Screw (8-32 SPLR PHIM)	1	D-760855-A
10.	• Dial Stud Lock Washer	1	D-17195-E
11.	Dial Hole Cover Plate ⁴	1	D-490075-
12.	• Dial Hole Plate Stud Screw (8-32 X 1/4" FHIMS)	1	
13.	• Dial Hole Cover Stud Screw (8-32 X 3/4" RPHIMS)	1	
14.	• Number Card	1	D-53620-A
15.	• Number Card Cover	1	D-53176-A
16.	• Retaining Washer	1	D-17661-A
17.	• Clamping Plate	1	D-78541-A
18.	• Escutcheon Ring Lock	1	D-5886-A
19.	• Escutcheon Ring	1	D-65112-D
20.	• Dial Stud	1	D-19416-A



Type 183 Telephone

Fig. No.	Description	No. Req.	Order No.
21.	Hookswitch Assembly ⁵	1	D-735391-A
22.	Transmission Unit	1	D-38377-A
23.	• Transmission Bracket & Cable Clamp Screw (SEMS)	2	D-760764-A
24.	• Cord Clip	1	D-542637-B
25.	Circuit Label	1	D-530293-A
26.	Base Plate Assembly	1	D-780798-A
27.	Mounting Bracket	1	D-731725-A
28.	• Mounting Bracket Screw (8-32 X 1/4" RHIMS)	2	

Notes:

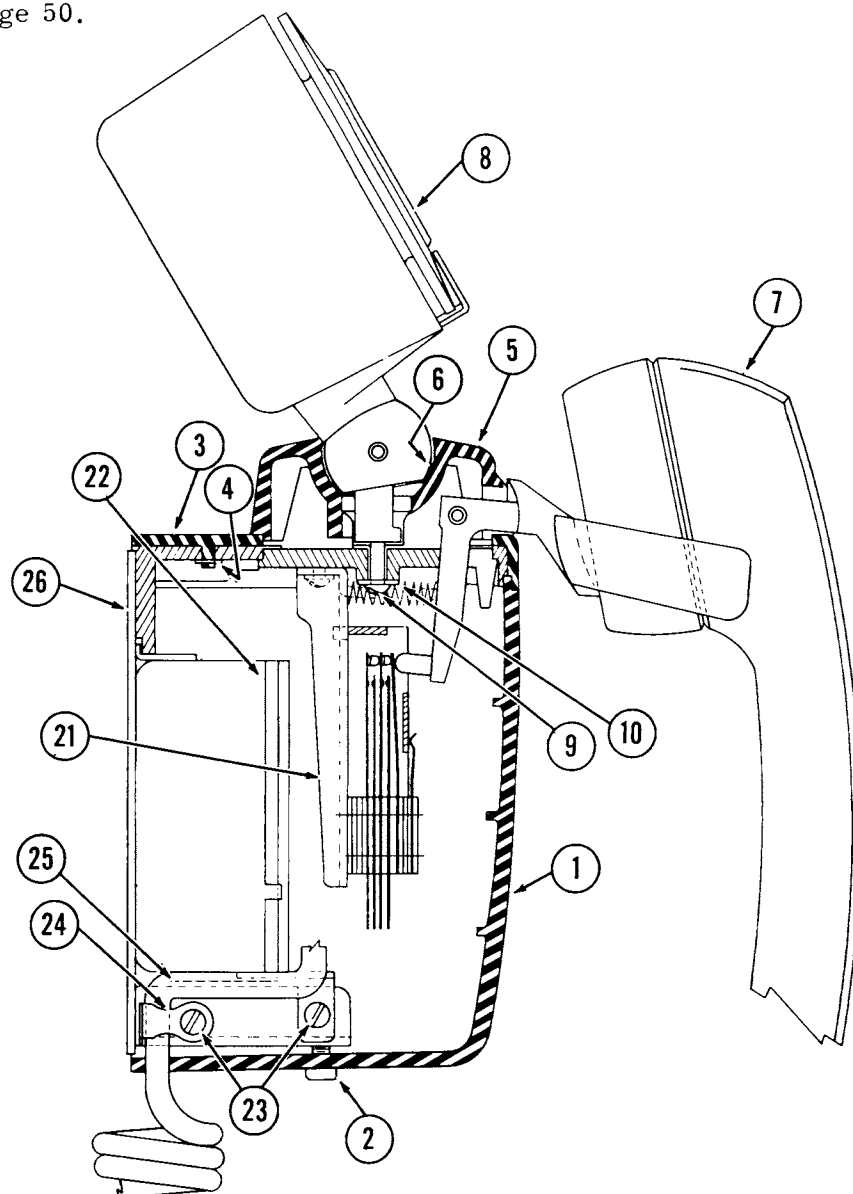
¹See (1) on page 50.

²See (3) on page 50.

³See (4) on page 50.

⁴See (5) on page 50.

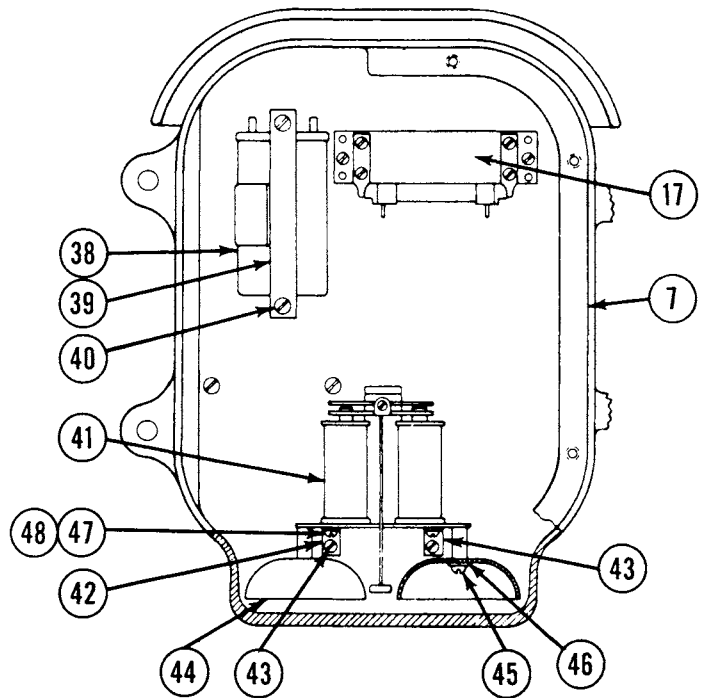
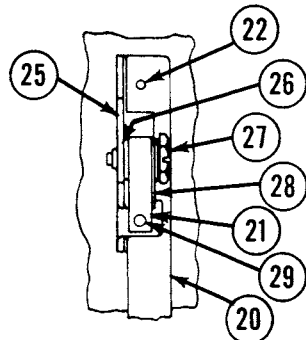
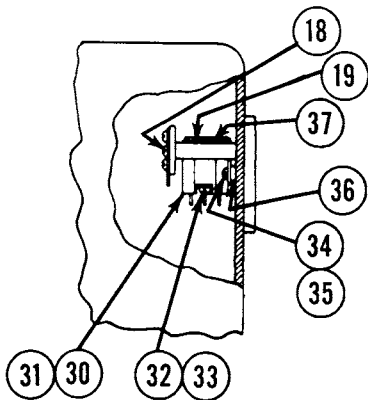
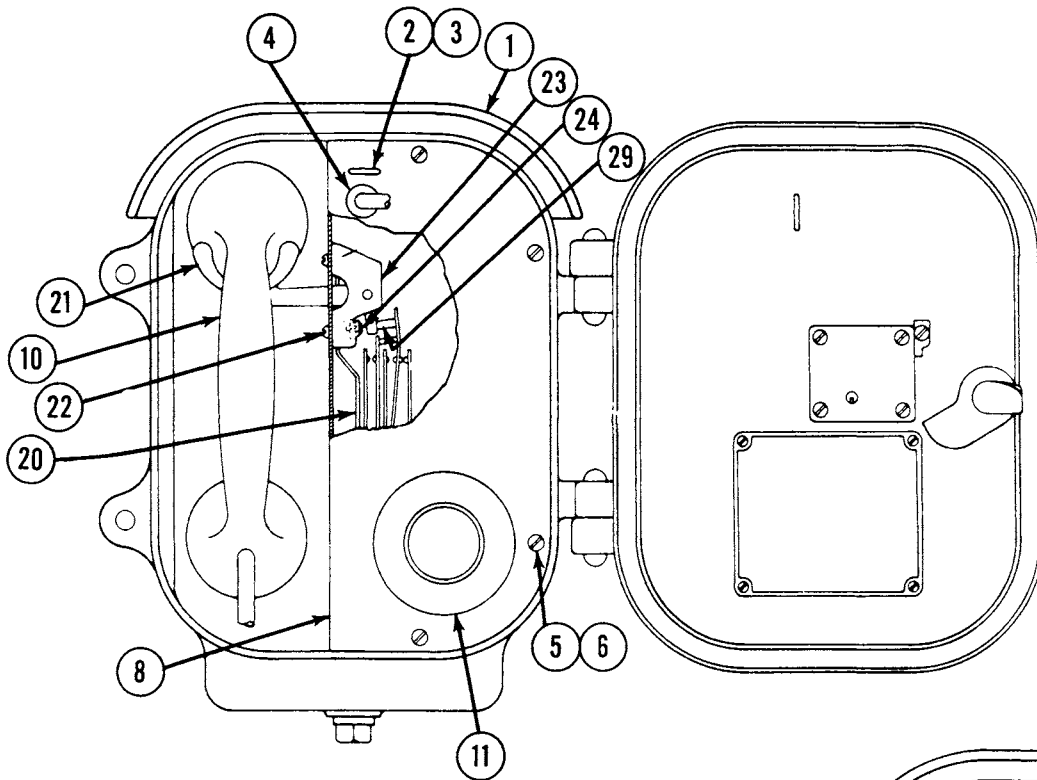
⁵See (8) on page 50.



Outdoor Telephone

Fig. No.	Description	No. Req.	Order No.
1.	Housing (Containing Box)	1	D-48312-A
2.	• Mounting Plate Screw Eye	1	D-76931-A
3.	• Screw Eye Hex Nut (5-40)	1	D-77124-D
4.	• Rubber Grommet	1	D-67431-A20
5.	• Mounting Plate Screw (8-32 X 5/16" RHIMS)	4	D-760695-B
6.	• Mounting Plate Tapped Washer	4	D-17203-B
7.	• Mounting Plate Gasket	1	D-67278-A
8.	• Mounting Plate	1	D-78944-B
9.	• Battery Bracket Screw (10-32 X 3/16" RHIMS)	2	
10.	Type 81 Handset	1	L-9024-CO
11.	Type 51A Dial Assembly (1-0)	1	D-84820-C
12.	• Dial Screw (4-36 X 3/16" RHBRMS)	3	
13.	Dial Hole Cover Plate	1	D-49318-A
14.	• Dial Hole Cover Screw (3-48 X 7/8" OHBRMS)	2	D-76462-A
15.	• Dial Hole Cover Hex Nut (3-48)	2	D-7719-B
16.	Circuit Label	1	D-530053-A
17.	Terminal Strip	1	D-15513-A
18.	• Terminal Strip Mounting Screw (5-40 X 1-3/4" RHIMS)	2	
19.	• Terminal Strip Bushing	2	D-750185-A
20.	Hook Spring & Bracket Assembly	1	D-731355-A
21.	• Hookswitch	1	D-62134-A
22.	• Hookswitch Mounting Screw (8-32 X 5/16" RHIMS)	2	D-76744-E
23.	• Hookswitch Screw (4-40 X 3/16" Bdg. HBRMS)	1	D-760158-A
24.	• Hookswitch Hex Nut	1	D-7721-B
25.	• Hookswitch Mounting Bracket	1	H-66551-26
26.	• Hookswitch Spacer	1	D-17528-A
27.	• Hookswitch Bearing Screw	1	D-760217-A
28.	• Hookswitch Spring	1	D-109567-A
29.	• Hookswitch Buffer	1	D-75453-A
30.	Induction Coil	1	D-282996-B
31.	• Induction Coil Keeper	1	D-71561-A
32.	• Induction Coil Screw (5-40 X 1-7/16" RHIMS)	2	
33.	• Induction Coil 5 Shakeproof Washer	2	D-17468-A
34.	• Induction Coil & Mounting Bracket Screw (6-32 X 1/4" RHIMS)	2	
35.	• Induction Coil 6 Shakeproof Washer	2	D-17366-A
36.	• Induction Coil Spacer	2	D-17197-A
37.	• Induction Coil Mounting Bracket	1	D-730987-A
38.	Capacitor (4 MF/.7 MF)	1	D-68640-A
39.	• Capacitor Mounting Bracket	1	H-47612-4
40.	• Capacitor Bracket Screw (6-32 X 1-1/4" RHIMS)	2	
41.	Ringer Assembly	1	D-56329-B
42.	• Left Ringer Mounting Bracket	1	H-60694-10
43.	• Right Ringer Mounting Bracket	1	H-60694-11
44.	• Gong	2	D-56328-A
45.	• Ringer Bracket & Gong Screw (10-32 X 5/16" RHIMS)	4	
46.	• Ringer Bracket & Gong 10 Lock Washer	4	D-17375-A
47.	• Ringer Mounting Screw (8-32 X 5/16" RHIMS)	2	
48.	• Ringer Mounting 8 Lock Washer	2	D-17376-A

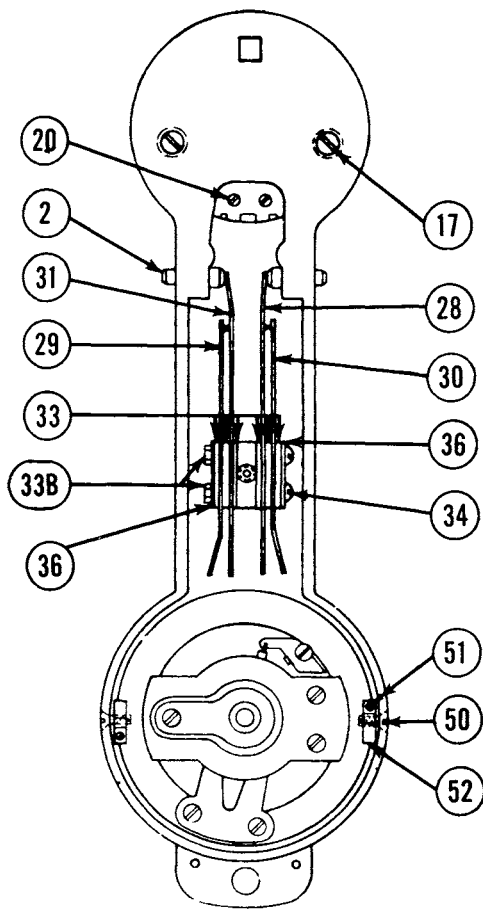
Outdoor Telephone



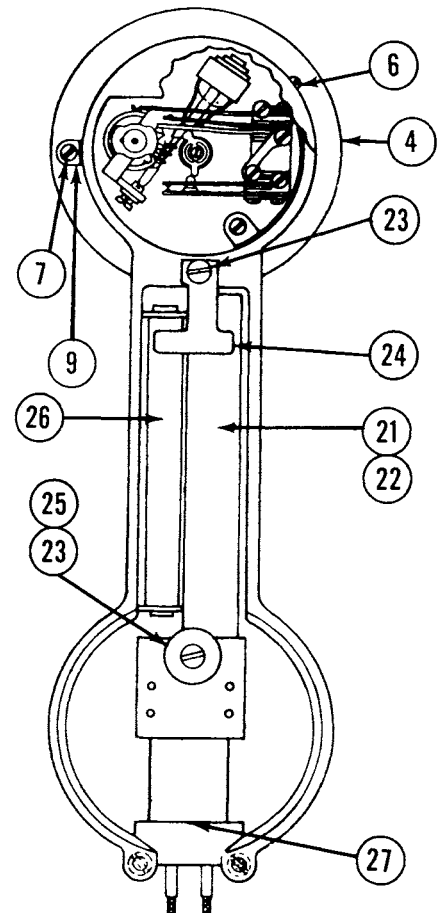
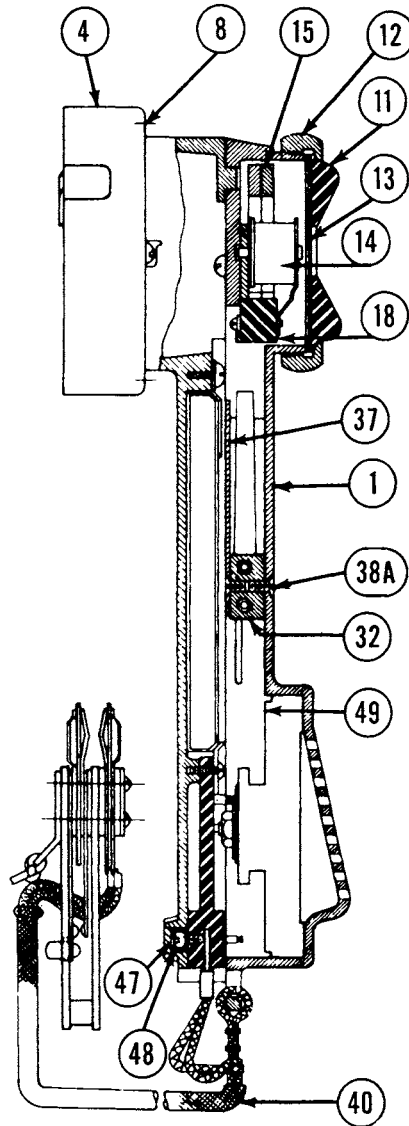
Hand Test Telephone

Fig. No.	Description	No. Req.	Order No.
1.	Front and Rear Shell Assembly	1	D-52037-B
2.	• Push Button Plunger	2	D-59091-A
3.	Auxiliary Pole Piece	2	D-63028-A
4.	Dial Guard	1	D-78926-A
5.	• Lock Washer	5	D-17541-A
6.	• Mounting Dial Screw (3-48 X 1/4" RHIMS)	2	
7.	• Mounting Dial Screw (4-36 X 3/16" RHIMS)	1	
8.	• Dial Guard Screw (4-36 X 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-A
15.	• Permanent Magnet	2	D-56169-B
16.	• Magnet Washer	1	D-17197-A
17.	• Mounting Motor Magnet & Magnet Coil Screw (6-32 X 11/16" RHIMS)	2	
18.	Terminal Block Assembly	1	D-15422-A
19.	• Terminal Block Mounting Screw (3-48 X 3/8" RHIMS)	2	
20.	• Intermediate Block Screw (4-36 X 3/16" RHBRMS)	2	
21.	Capacitor (.43 MF)	1	D-68119-A
22.	• Capacitor Cover	1	D-49266-A
23.	• Capacitor and Coil Screw (6-32 X 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
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 (4-36 X 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 (4-36 X 1/4" Bdg. HBRMS)	1	
38B.	• Hex Nut	2	D-7721-B
39.	Cord and Test Plug Assembly (2 Conductor)	1	D-541777-B
40.	Cord and Test Plug Assembly (2 Conductor)	1	D-542725-A
41.	Cord and Test Plug Assembly (2 Conductor)	1	D-543044-A
42.	Cord and Test Clip Assembly (2 Conductor)	1	D-542320-A
43.	Cord and Plug Assembly	1	D-542349-A
44.	Cord and Plug Assembly	1	D-543142-A
45.	Cord and Plug Assembly	1	D-543217-A
46.	• Cable Terminal	2	D-54071-A
47.	• Bushing	2	D-75601-A
48.	• Clamping Cord Tips Screw (6-32 X 1/4" FILHMS)	2	
49.	Transmitter Assembly	1	D-38269-A
50.	• Transmitter & Cover Screw (4-36 X 1/4" FHIMS)	3	
51.	• Clamping Nut Screw	2	D-76401-A
52.	• Adjustable Clamping Nut	2	D-77115-A

Hand Test Telephone



Rear Shell Removed



Front Shell Removed

Color Model Suffix Index

Apparatus Type	Color	(1) Housing Assembly	(2) Cradle Hole Cover	(3) Handset & Cord Assembly	
80		D-49935-	D-49937-	L-9024-	L-9027-
80 Transistorized		D-490019-	D-49937-	L-9031-	L-9032-
82		D-49935-	D-49937-	L-9024-	L-9027-
83		D-48350-		L-9024-CO	L-9028-CO
85 A B C		D-49998- 1 2 3	D-49937-	L-9024-	L-9027-
86		D-490032- D-490039-	D-49937-	L-9024-	L-9027-
87		D-490064- D-490072-	D-49937-	L-9024-	L-9027-
88		D-49972-	D-49937-	L-9024-	L-9027-
88A Adapter Unit		D-49983-			
88T		D-490047-	D-49937-	L-9024-	L-9027-
88AT Adapter Unit		D-490049-			
90		D-49976-		L-9024-	L-9027-
90M		D-49976-		L-9024-	L-9027-
183		D-490077- & D-490078-		L-9044-	L-9045-
	Black or Standard	A	A	AO	
	Retractable Cord			CO	
	Sand Beige	B	B		C1
	Dawn Grey	C	C		C2
	Jade Green	D	D		C3
	Classic Ivory	E	E		C4
	Garnet Red	F	F		C5
	Turquoise	G	G		C6
	Colonial Blue	H	H		C7
	Sunlight Yellow	J	J		C8
	Forget-Me- Not Blue	K	K		C11
	Camellia Pink	L	L		C9
	Gardenia White	M	M		C0

51A	(4) Dial Assembly 52 (1-0) 52 (ABC)	(5) Dial Hole Cover	(6) Volume Control Knob	(7) Line Cord	(8) Hookswitch & Bracket	(9) Extended Number Plate (52, Color)
	D-84900- D-84901-	D-49995-		CD-616075-		D-530167-
	D-84900- D-84901-	D-49995-	D-59299-A	CD-616075-		D-530167-
	D-84921-			CD-616075-		See page 22-23
See page 24-25		See page 24			D-62123-	
	D-84900- D-84901-	D-49995-		See page 26-27		D-530167-
	D-84900 D-84901-	D-49995-		See page 28-29		D-530167
	D-84900- D-84901-	D-49995-		See page 31-32		D-530167
	D-84900- D-84901-	D-49995-	D-59299-A	See page 33-35		D-530167-
			D-59299-A	See page 36		
	D-84900- D-84901-	D-49995-	D-59299-A	CD-616075-		D-530167-
			D-59299-A	See page 39-40		
	D-84900- D-84901-	D-49995-			D-731542-A	D-530167-
	D-84900- D-84901-	D-49995-			D-735371-A	D-530167-
See page 44-45		D-490075-			D-735391-A	
	A A	A	A	A	A	A
	B B	B		B	B	B
	C C	C		C	C	C
	D D	D		D	D	D
	E E	E		E	E	E
	F F	F		G	F	F
	G G	G		H	G	G
	H H	H		J	H	H
	J J	J		K	J	J
	K K	K		L	K	K
	L L	L		M	L	L
	M M	M		N	M	M

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