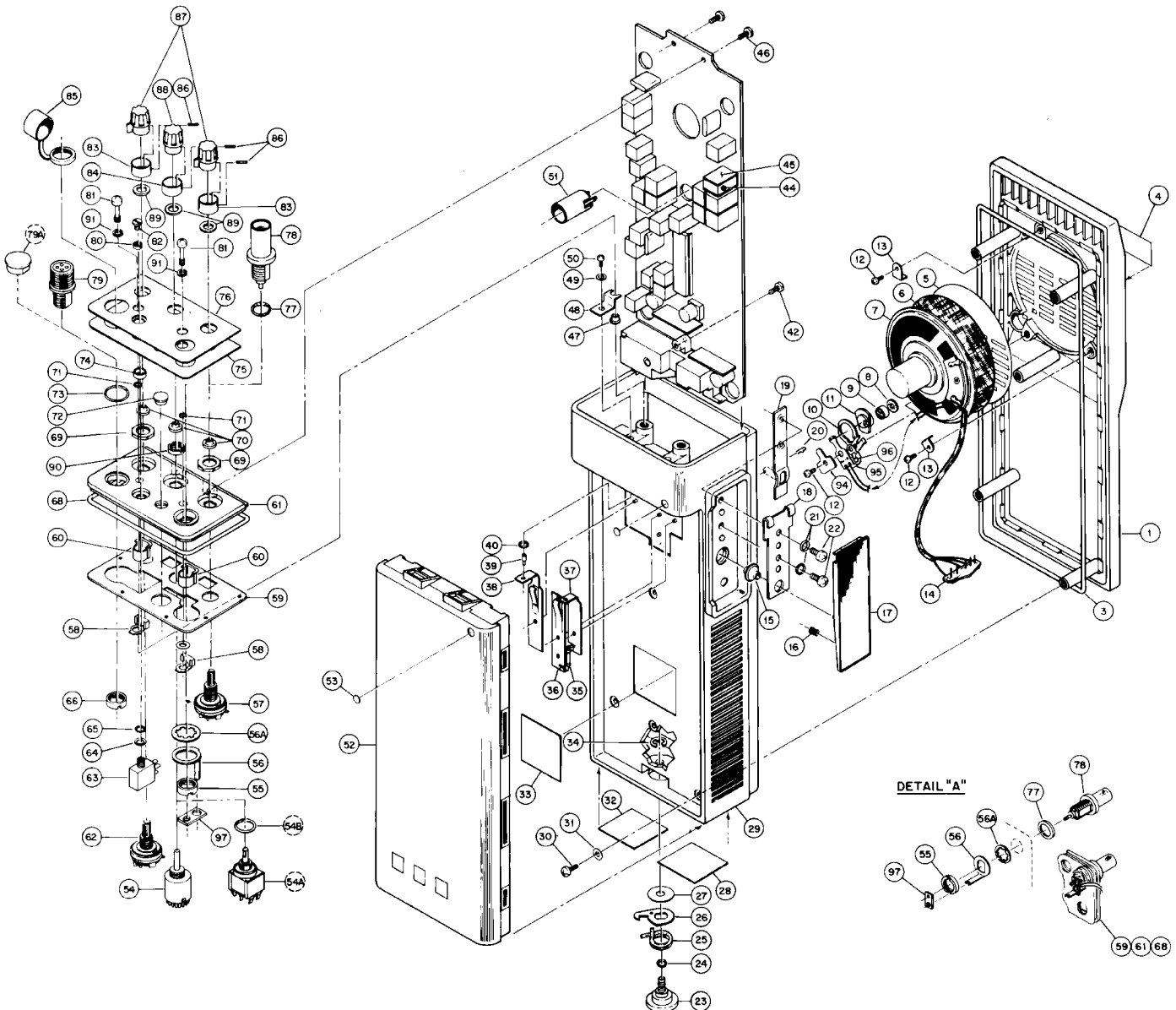


HT440 Series

Parts List



Replacement parts may no longer be available

HT440 Series



Parts List

REF. NO.	PART NO.	DESCRIPTION
1	0105950G03	Assembly, Front Cover; Standard
3	3205082E10	Gasket, Seal
4	3305153J02	Label, Nameplate
5	1105932J01	Adhesive, Felt
6	3505152J01	Felt, Speaker
7	5005181E02	Speaker (LS401)
8	7505182J01	Pad, Microphone Boot
9	----	Microphone (MK401) P/O RPX4654A
10	----	Bracket, Microphone P/O RPX4654A
11	----	Boot, Microphone P/O RPX4654A
12	0300138651	Screw, Phillips; 2-56 x 5/32"
13	4205670D01	Clamp, Speaker
14	----	Connector (P401) P/O RPX4654A
15	3205332K01	Seal
16	4182093A07	Spring, Actuator; coiled
17	4505177J01	Actuator, Push-to-Talk
18	0705175J01	Bracket, Actuator
19	4105176J01	Spring, Actuator
20	2205390M01	Pin, Retainer
21	3205082E13	Gasket, "O" Ring
22	0305466C02	Screw, Special; 4-40 x 0.140"
23	4605170J01	Stud, Latch
24	3205082E14	Gasket, "O" Ring
25	4105172J01	Spring, Latch
26	5505150L01	Latch, Pawl
27	0405171J01	Washer, Teflon
28	----	Label, Factory Mutual; not field replaceable
29	0105950G08	Assembly, Housing, includes
	or	items 36, 37, 38, 39 and 40 Standard
	0105954G93	Silverized
30	0300120621	Screw, Phillips; 4-40 x 1/4"
31	0484345A06	Washer, Seal
32	----	Label, FCC Identification; not field replaceable
33	----	Label, Frequency; not field replaceable
34	4210219A25	Retainer, E-Clip
35	6505214E01	Fuse (F501) Axial Lead 2 Amp
36	----	Contact, Strap
37	----	Contact, Positive
38	----	Contact, Negative
39	----	Bushing, Strap
40	----	Gasket "O" Ring
		*Items 36, 37, 38, 39 and 40 are not field repairable; order applicable Housing Assembly (item 29)
41	----	Not used
42	0305887J01	Screw, Slotted; 4-40 x 3/16"
44	0105953G48	PTT Switch (S202)
45	0705162J01	Bracket, PTT Switch
46	0305887J01	Screw, Slotted; 4-40 x 3/16"
47	4305936J01	Bushing, Shoulder
48	3905567L02	Contact
49	0400008406	Lockwasher
50	0300138651	Screw, Phillips; 2-56 x 1/8"
51	4305209J01	Sleeve
52	----	See Battery Section
53	----	Label, Intrinsically Safe Identification; not field replaceable
54	4005119E01	Switch, Frequency; Rotary (S201) 4 Freq. Models
54A	4005120E03	Switch, Frequency; Toggle (S201) 2 Freq. Models
54B	3205082E17	Seal, "O" Ring
55	0205050E05	Nut, Spanner
56	2905196J01	Lug
56A	----	Lockwasher, Internal Tooth (P/O item 78)

REF. NO.	PART NO.	DESCRIPTION
57	0105956H97	Switch, Volume/On-Off (R202/S204)
58	3905195J02	Contact
59	----	Plate, Retainer, see item 61
60	----	Bushing, see item 61
61	----	Panel, Control, see item 61
		**Items 59, 60 and 61 are not field repairable; order Assembly: 0105956H87
62	0105956H99	Switch, PL/Squelch Control (S203/R201)
63	0105950G12	Jack, Speaker (J202)
64	0484345A06	Washer, Insulating
65	3205082E15	Seal, "O" Ring
66	0205050E07	Nut, Spanner
68	3205472P05	Seal, "O" Ring
69	0205629L02	Nut, Hex
70	3205933J02	Seal, Switch
71	3205082E11	Seal, "O" Ring
72	3805216J02	Plug, Seal
73	3205082E12	Seal, "O" Ring
74	4305206J01	Sleeve
75	6405208J01	Plate, Pressure
76		Escutcheon, Graphic; for:
	1305181J01	Basic, 2-Freq., Carrier Squelch Models
	or	
	1305181J02	Universal, 2-Freq., Carrier Squelch Models
	or	
	1305181J03	Basic, 4-Freq., Carrier Squelch Models
	or	
	1305181J04	Universal, 4-Freq., Carrier Squelch Models
	or	
	1305181J09	Basic, 2-Freq., PL Squelch Models
	or	
	1305181J10	Universal, 2-Freq., PL Squelch Models
	or	
	1305181J11	Basic, 4-Freq., PL Squelch Models
	or	
	1305181J12	Universal, 4-Freq., PL Squelch Models
	or	
77	3205082E28	Seal, "O" Ring
78	0900855268	Connector, Antenna (J203)
79A	3805216J01	Plug, Seal (Basic Models)
80	0205050E01	Nut, Spanner
81	0305662D17	Screw, Captive
82	0310129A24	Screw, Slotted; Nylon
83	1305106K02	Bezel (located under volume and squelch knobs)
84	1305106K03	Bezel (located under frequency knob)
85	3205217J01	Seal, Cap
86	0383174C04	Screw, Set
87	3605207J03	Knob, Volume and Squelch
88	3605207J02	Knob, Frequency (4-Freq. Models only)
89	0405171J02	Washer, Nylon; Black
90	0282653D05	Nut, Spanner (used with 4-Freq. switch)
	or	
	0282653D07	Nut, Spanner (used with 2-Freq. switch)
91	0400009777	Lockwasher, #4
94	1405135P01	Insulator, Mic.
95	----	Mic., Flexible P.W.B. P/O 0105954J12
96	----	Capacitor (C401) P/O 0105954J12
97	8405878L02	Circuit Board, Printed (See Detail "A")

Cancelled Product HT440: Aftermarket support criteria has been met for spare parts. Items may no longer be available.



HT440 Series

Portable Accessories

Chargers

Single Unit Chargers

These units are capable of charging a battery in or out of the radio and automatically revert to a trickle charge rate when fully charged. The rapid charge battery must be used in rapid charger to attain the 1 hour charge rate. Visual indication when the battery is fully charged is provided by the rapid charger.



NLN7493A

NLN7493A Compact Standard Charge, 120V AC

Multiple Unit Chargers

These 6 compartment units accommodating either radio or battery alone can be desk, wall, or rack mounted. A switch is provided for either 117V or 234V AC operation.



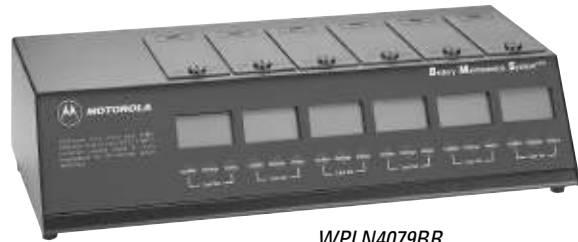
NLN7967A

NLN7966B Rapid Charge, 120/240V AC

NLN7967A Wall Mounting Kit, for 6-unit charger

Battery Maintenance System^{plus} (BMS^{plus})

Using interchangeable battery adapters (sold separately), the BMS^{plus} is capable of charging and discharging, analyzing, conditioning and cycle test on batteries; tracking battery voltage and capacity (mAh). The BMS^{plus} offers a 3 year warranty. Its easy-to-use design supports hundreds of 2-way, cellular, and camcorder batteries with printer port* (Serial-RS-232C port – uses female 9-pin to male 25-pin cable).



WPLN4079BR

WPLN4079BR Six-Station, 110V AC, 50/60 Hz

WPLN4080BR Six-Station, 230V AC, 50/60 Hz

NDN4005B Three-Station, 110V AC, 50/60 Hz

NDN4006B Three-Station, 230V AC, 50/60 Hz

BMS^{plus} Adapter

TDN9440A Standard Adapter, HT440

Optional Adapters

** **TDN9432A** Adapter, Universal Alligator Clip Lead

****TDN9527A** Adapter, Universal Dip Switch

*Compatible with the STAR Micronics SP200 series printers, available from any STAR Micronics distributor, and other printers with STAR emulation.

**Universal adapters available as an option to accommodate all radio types.

HT440 Series

Portable Accessories

Battery Optimizing System II (BOS II)



WPLN4124AR

No other battery analyzer matches the speed, accuracy, and versatility of the Battery Optimizing System II. Ideal for large fleet, public safety, and all other users who rely on their battery performance. Now with increased power, more sophisticated programming options, and easier to use navigation paths, optimizing your batteries was never easier. Key features include:

- Support for NiCd, NiMH, Li-ion, and SLA batteries
- 100 watt power supply and programmable from 100 mA to 4 amps per station
- Interchangeable adapters accommodate all major brands
- Includes a variety of user programs and allows for customizable programming
- Proprietary recondition cycle restores NiCd and NiMH batteries
- Increased processing power and testing resolution – including a three minute Quicktest that measures the batteries State of Health (SoH)
- Printer output for reports and labels
- Three year warranty

WPLN4124AR BOS II, Four-Station, 100-240V AC (US line cord)

WPLN4125AR BOS II, Four-Station, 100-240V AC (UK/Euro line cords)

BOS II Adapter

RL-71163 Standard Adapter, HT440

Optional Adapters

RL-70115 Adapter, Universal; services Li-ion

RL-70110 Adapter, Universal; service NiCd and NiMH

Carrying Accessories



NLN7444A

Carrying Cases

Carrying case accessories provide added protection for your radio when enhancing a quality appearance. T-strap not included.

Standard

NLN7444A Urethane Case

Swivel

NLN7693A Urethane Case, swivel belt loop not included

Carrying Strap

NTN5243A Carrying Strap



NTN5243A



4205297G03

T-Strap

4205297G03 Nylon T-Strap

Belt

4200865599 2" Wide Leather Belt, for all models

Swivel Belt Loop

4282421J06 Leather, 2-1/2"



4200865599

HT440 Series

Portable Accessories

Audio Accessories



NSN6008A

Lapel Speaker

NSN6008A Lapel Speaker

Remote Speaker/Microphone

NMN6094A Speaker/Microphone with Coil Cord



NMN6094A



RLN4295A

Epaulet Strap

Black leather epaulet straps secure remote speaker microphones to epaulet of shirts or jackets and attach around cord. Allows reliable communications in hostile environments with clip style strap.

RLN4295A Epaulet Strap, Small Clip



5083693B04

Earpiece

5083693B04 Earpiece with Volume Control

Mobile Microphone

HMN1001B Mobile Microphone



HMN1001B

Audio Accessories

Headsets

All headset accessories include adapter cables and can be plugged directly into radio. No additional equipment is required.

Low to moderate noise level (less than 100 dB) lightweight headset with Electret condenser microphone and single speaker. NOTE: Cannot be worn with headgear.

BDN6247A In-line push-to-talk switch

BDN6248A Pendant-thumb push-to-talk switch



BDN6247A

High noise level headset (up to 115dB) with military noise-cancelling microphone and dual speaker. NOTE: Can be used with or without hard hat or fire helmet.

BDN6261A Body/foot switch that can be belt mounted



BDN6270A

Listen Only Headphones

For all portables and pagers provided with earphone jack. Headphones are equipped with a 40 inch cable terminated with micro plug.

BDN6268A Lightweight headphone with single speaker

BDN6269A Noise-attenuating headphone with dual speakers

BDN6270A Noise attenuating headphone with dual speaker for use with or without hard hat or fire helmet

HT440 Series

Portable Accessories

Audio Accessories

Heavyduty Headsets

Heavyduty headsets include Noise-Cancelling Microphones and can be worn with or without a hardhat. Headsets are for use in noise levels up to 125dB. The Push-To-Talk switch is located on the earcup. The Vox module is contained within the headset on voice activated units. Heavy-duty headsets require radio adapter cable.



BDN6645A

BDN6645A Push-To-Talk Headset with Boom Microphone, Requires Adapter Cable

BDN6635B Voice-activated Headset with Boom Microphone, Requires Adapter Cable



BDN6635B



BDN6636B

BDN6636B Voice-activated Headset with Throat Microphone, Requires Adapter Cable

BDN6637A Radio Adapter Cable

Audio Accessories

Helmet Kits

The following DO NOT include headgear. NOTE: All helmet and face mask kits require a radio cable assembly (order separately).



BDN6275A

Industrial/Police helmet kits for Bullard (Industrial) headgear with military noise-cancelling microphone.

BDN6275A Single Speaker

Helmet kit for Seer 1601, 1602 1/2 Shell (Police) headgear with military noise-cancelling microphone.

BDN6277A Single Speaker

Cable Assemblies

NOTE: All helmet kits require one of the following cable assemblies:



BDN6288A

BDN6288A Cable assembly for Industrial Radio helmet kit with pendant-thumb push-to-talk switch

BDN6292A Cable assembly for Police Radio helmet kit with handlebar push-to-talk switch for belt mounted control box (only applies to BDN6291A)

HT440 Series



Portable Accessories, Antennas

Audio Accessories

Ear Mics

Single unit microphone and speaker worn in the ear. Eliminates the need for handheld microphones or conventional headsets. Compact, rugged design allows use under hearing protectors and protective clothing. Order cable separately.



RMN4001B

RMN4001B Ear Mic, EM200



0180359A51

0180359A51 Optional PTT Ring Switch for RMN4001A only

0180356B97 Optional PTT Ring Switch For RMN4001B only

Cost effective alternative to the EM200, the EM150 operates the same but includes hardwired interface cable. (PTT ring switch is not compatible with this unit)

RMN4007A Ear Mic, EM150



RMN4007A

Portable Antennas

Heliflex

Rugged and flexible each antenna is tested and tuned to give you maximum power and performance. Each antenna is color coded on the connector indicating frequency.

8505183K06 136-142 MHz Dip Coated, Red

8505183K07 142-150 MHz Dip Coated, Yellow

8505183K04 150-162 MHz Dip Coated, Black

8505183K05 162-174 MHz Dip Coated, White

8505183K01 440-470 MHz Dip Coated, Black

8505309N07 470-512 MHz Dip Coated, White

8505309N01 136-150 MHz Injection Molded, Red

8505309N02 142-150 MHz Injection Molded, Yellow

8505309N03 150-156 MHz Injection Molded, Black

8505309N08 156-162 MHz Injection Molded, Orange

8505309N04 162-174 MHz Injection Molded, White

8505309N05 403-440 MHz Injection Molded, Yellow

8505309N06 440-470 MHz Injection Molded, Black

8505309N07 470-512 MHz Injection Molded, White

Flexible Whip-PVC Dip Coated

8505182K01 403-512 MHz

Flexible Whip-Molded

NAE6340B 403-512 MHz

8505183K06

8505183K04

8505183K01

8505309N01

8505309N05

8505182K01

HT440 Series

Batteries, Service Tools

Portable Batteries

Nickel-Cadmium Premium

Part Number: **NLN7694A**

Volts: 12.5

Avg. mAh: 630

Height: 6-3/16"

Intrinsically Safe: No

Part Number: **NLN7640A**

Volts: 12.5

Avg. mAh: 630

Height: 6-3/16"

Intrinsically Safe: Yes



NLN7694A

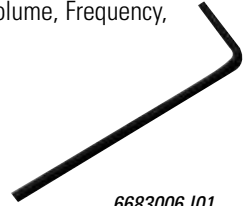
Service Tools

6605607E01 Tuning Tool, Tunable Coils and Trimmer Caps



6605607E01

6683006J01 Bristol Tool, For Screws on Volume, Frequency, and Squelch Knobs



6683006J01