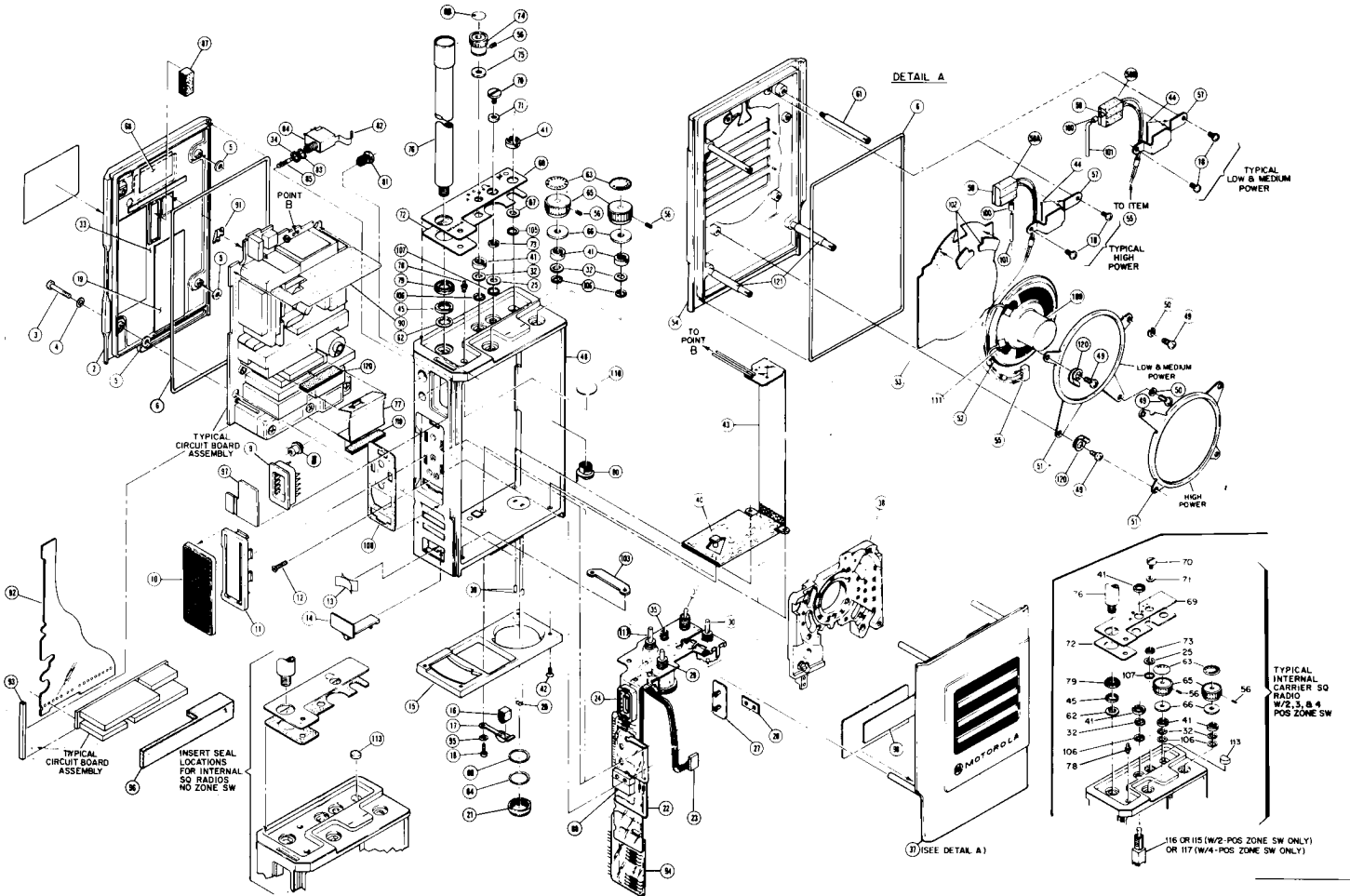


MX300-S Series



Parts List



Replacement parts may no longer be available

MX300-S Series

Parts List

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
2	---	Back Cover Kits:* NLN7322A MX330 NLN7323A MX340 NLN7324B MX350 NLN7325B MX360 include: a. Cover, Back; (item 2) 1505315F09 MX330 1505315F10 MX340 1505315F15 MX350 1505315F16 MX360 b. items 3, 4, 5, 6, 8, 19, 26, 33, 68, 87, 99, & 104	42	0305714J01	Screw, Phillips; 2-56	75	0405342C01	Washer, Thrust
3	0382210E15	Screw, Captive	44	1405424D04	Insulator, Teflon	76	---	Antenna, Refer to Antenna Section
4	0405465C01	Washer, Seal; .112 x .245 x .012	45	0205543E01	Nut, Mounting	77	4205896J01	Clamp, Ground
5	0405818D01	Washer, Flat; .180 x .096 x .010	46	2905548E01	Lug, Antenna	78	0105952G54	LED (CR303)
6	---	Gasket, "O" Ring 3282172J11 MX330 3282172J12 MX340, MX350, MX360	48	---	Frame*	79	1405545E01	Insulator
7	0105952G99	Nut, Retainer; special	49	0305466C01	Screw, 4-40	81	---	P/O Item 48
9	1505673C01	Housing, Connector; J402	50	0400009743	Washer, No. 4 Split	82	2605767C05	Shield, Jack
10	3205427C04	Boot	51	0705423C01	Bracket, Ring	83	0405294F01	Washer
11	4505509C03	Actuator	52	5005181E02	or Bracket, Ring; for Hi Power Models	84	0905505C02	Jack (J401)
12	0305685F01	Screw, Phillips; 2-64	53	3505866N01	Speaker (LS401)	85	0105585H01	Assembly, Plug; Spring; 2nd insulator
13	4105414C01	Sprint, Latch	54	---	Cover	87	7505585C01	Pad, Pressure
14	5505417C01	Latch, Battery	55	0105957B51	MX330 Series	88	4082159D01	Switch (S304)
16	0705830C02	Support, Battery Contact	56	0105959B38	MX340 Series	90	1405939D01	Insulator
17	RPX4636A	Contact, Battery	57	0105959B39	MX350 Series	91	3905188D03	Spring, Grounding
18	0300138651	Screw, Slotted; 2-56 x 1/8"	58	0105959B40	MX360 Series	92	8405268K01	Flex Circuit, Interconnect
20	6505214E02	Fuse (F401)	59	2805551D01	Connector, Plug (P403)	93	---	Bracket, Rail Mounting
21	3805881D01	Cap, Fuse	56	0305480E02	Setscrew	94	0705829C02	2-unit length (1.125")
22	NLN7561A	Flex Circuit, Control	57	0705779M01	Bracket, Microphone	95	0705829C03	2-unit length (1.320")
23	0105957D83	Connector, Plug (J303)	58	1405445G02	Insulator	96	NLN7292A	Flex, Freq.
24	0905675C01	Socket (J302)	58B	1405445G01	Insulator (for Low/Med Power Models)	97	0400002625	Lockwasher, Internal Tooth
25	0405342C02	Washer, Steel	59	0105953D67	Microphone (MK401)	98	7505890C01	Pad, "Digital PL" Contour
27	4205506C01	Strain Relief, Snap-in	60	0405342C04	Washer, Rubber Seal	99	3205163E01	Boot
28	6405683F01	Plate, Nut	61	4305467C02	Spacer, Stand-Off	100	---	Insulator
29	4005605J01	Switch (S502)	62	0400139731	Washer	101	1405576E02	MX330 Series
30	RPX4253A	Resistor (R308)	63	3304737J01	Insert, Decal	102	1405576E03	MX340 Series
31	4005190D01	Switch (S303)	64	0405342C05	Washer, Mylar	103	1405576E05	MX360 Series
32	0405342C03	Washer	65	3605510C01	Knob, Short	104	0484345A06	Washer, Nylon
33	6405535D06	Insulator, Ground Shield	66	3605430G07	or Knob, Long	105	3705144E01	Tubing, Flexible
34	3205295F01	Gasket	67	0405555C02	Washer, Thrust	106	3705412F01	or Tubing, Flexible (for Low & Medium Power Models)
35	0905537F02	Jack (J301)	68	0405342C06	Washer, Nylon	107	4705143E01	Pipe, Sound
36	1805430C02	Resistor (R311A) External	69	1305436E01	Decal, Patent No.	108	7505705D01	Pad (High Power Only)
37	---	Front Cover Kits; includes: items 6, 18, 44, 49, 50, 52, 53, 54, 57, 58, 59, 61, 95, 100, 101, and 102	69	---	Escutcheon	109	6405782J01	Nut Plate, Left
	NLN7420A	MX330 Series (Lo/Med Power)		1305107E62	Multi-channel "Private-Line" Models, with Internal Carrier Squelch, LED, and no zone switch	104	5400865436	Label, FCC
	NLN7421A	MX340 Series (Lo/Med Power)		1305107E65	Multi-channel "Private-Line" Models, with External Carrier Squelch, LED, and no zone switch	105	0405126L01	Seal
	NLN7424A	MX340 Series (High Power)		1305107E48	Multi-channel "Private-Line" Models, with Internal Carrier Squelch, LED, and 2-position zone switch	106	0405757E03	Seal
	NLN7425A	MX350 Series (High Power)		1305107E50	Multi-channel "Private-Line" Models, with Internal Carrier Squelch, LED, and 4-position zone switch	107	0405757E01	Seal
	NLN7426A	MX360 Series (High Power)				108	3205255G01	Seal, PTT
38	7505589E03	Pad, Contour	70	0305857C01	Screw, Cap	109	7505191E02	Boot, Speaker
39	0905602C07	Socket, Fuse; p/o item 43	71	0483799H04	Washer, Insulating	110	0482519J01	Washer, Sponge Seal
40	4605461C01	Stud, Battery Contact	72	1105092E02	Adhesive Tape, Escutcheon	111	1482392E07	Insulator, Speaker Lug (Qty 2)
41	0282653D05	Nut, Mounting; special	73	0205256C02	Nut, Speaker Jack	113	4305359G01	Seal, Insert (for PL Switch)
			74	3605429G07	Knob	115	4005728G01	Switch, Toggle (2-position), S501A
				3605577C01	or Knob, Rotary Switch	116	4005745G01	Switch, Toggle (3-position), S501B

Cancelled Product MX300-S: Aftermarket support criteria has been met for spare parts. Items may no longer be available.



MX300-S Series

Portable Accessories

Chargers

Single Unit Chargers

Single unit chargers are ideal for desktop use, and are capable of charging a battery on or off the radio. When the battery is fully charged, the charger automatically resets to a trickle charge rate. To obtain rapid charge rate batteries must be charged in the unit. Visual indication is provided in the rapid charger when the battery is fully charged.

NLN8858A Single Unit, 1 Hour, Rapid Charger, 117 Volts

***NLN4038A** Single Unit, 1 Hour, Rapid Charger, 220 Volts

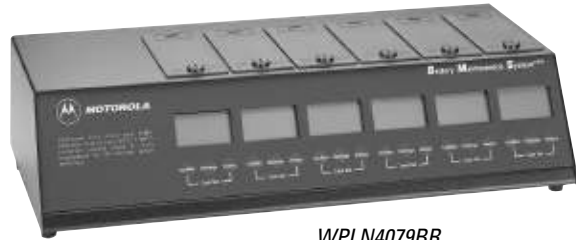
***NLN4036A** Single Unit, 14 Hour, Standard Charger, 220 Volts



NLN8858A

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

TDN9445A Standard Adapter, MX300

Optional Adapters

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

†**TDN9527A** Adapter, Universal Dip Switch

*Unit is supplied without line cord plug.

**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.

MX300-S 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 Adapters

RL-71181 Standard Adapter, MX300-S, 500-700 mAh

RL-71182 Standard Adapter, MX300-S, 1100-1400 mAh

RL-71183 Standard Adapter, MX300-S, 2000-2800 mAh

Optional Adapters

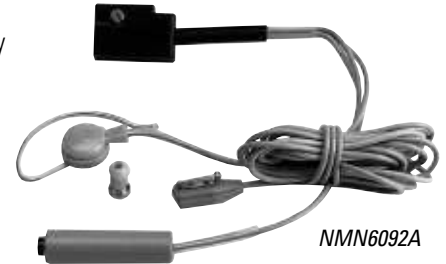
RL-70115 Adapter, Universal; services Li-ion

RL-70110 Adapter, Universal; service NiCd and NiMH

Audio Accessories

UHF Surveillance Accessories

NMN6092A UHF Surveillance Accessory



NMN6092A

Remote Speaker/Microphones

Remote speaker/microphone allows user to talk and listen without removing radio from belt or carrying case. Ideal in high noise level areas. Straight and coil cord remote units have back clip for attachment to upper garment. Wired earpiece available for all models.

NMN6070B Remote Speaker Microphone Straight Cord with Clip Back



NMN6070B



NMN6071B

NMN6071B Remote Speaker Microphone Coil Cord with Clip Back

MX300-S Series

Portable Accessories

Audio Accessories

NMN6072A UHF Public Safety Microphone with High/Low Switch and PTT; order Velcro Patch and Antenna Separately

Antennas for NMN6072A

8505309N09 404-430 MHz, Heliflex

8505309N10 440-470 MHz, Heliflex

8505309N11 470-512 MHz, Heliflex



NMN6072A



NLN8410A

Velcro Patch

NLN8410A Velcro Patch Pin Attachment, (for NMN6072A Microphone)

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 Velcro or Clip style strap.



RLN4294A

RLN4294A Epaulet Strap, Velcro

RLN4295A Epaulet Strap, Small Clip



RLN4295A



5005178K01

Earpiece

5005178K01 Earpiece, Without Volume Control

5080332A41 Plastic Insert for Earpiece

Audio Accessories

Headset/Microphone

Maintain portable two-way communications in high ambient noise areas with noise cancelling accessories. Noise cancelling headsets can be worn with or without a helmet

NMN6065A Noise Cancelling Headset/Microphone with Cup Microphone



NMN6065A



NMN6064A

NMN6064A Noise Cancelling Headset/Microphone with Boom Microphone

NKN6207A Adapter Kit (required for noise cancelling headsets)

NKN6363A Headset Adapter Cable



NKN6207A

MX300-S Series

Portable Accessories

Carrying Accessories

Carrying Cases

Standard black leather carrying cases with snap-on/off perforated full covers provide protection, yet permit clear audio. T-strap covers permit easy access to all controls. The over-the-shoulder adjustable sturdy black nylon carrying strap snaps onto the belt loop case and provides a convenient way to wear a radio. Swivel carrying cases attach to belt loop attachment by inverting radio. Radio swings freely on belt loop attachment, adjusting to body movements.

1505333D03 Standard Carrying Case for Light and Medium Capacity Battery, with 2-1/2" Belt Loop, MX320, MX330



1505333D03

1505333D04 Standard Carrying Case for Med-High Capacity Battery, with 2-1/2" Belt Loop, MX320, MX330, MX340

1505333D05 Standard Carrying Case for Med-Light Capacity Battery, with 2-1/2" Belt Loop, MX330, MX350



1505333D07

1505333D06 Standard Carrying Case for High Capacity Battery and/or Non-Rechargeable Battery, with 2-1/2" Belt Loop, MX320, MX340, MX350

1505333D07 Standard Carrying Case for High Capacity and/or Non-Rechargeable Battery, with 2-1/2" Belt Loop, MX330, MX360

Carrying Accessories



1505333D08

1505333D08 Standard Carrying Case for Ultra-High Capacity Battery, with 2-1/2" Belt Loop, MX320, MX340, MX350



1505333D10

1505333D09 Standard Carrying Case for Ultra-High Capacity Battery, with 2-1/2" Belt Loop, MX330, MX340, MX350, MX360

1505333D10 Standard Carrying Case for Ultra-High Capacity Battery, with 2-1/2" Belt Loop, MX350, MX360

1505333D11 Standard Carrying Case for Ultra-High Capacity Battery, with 2-1/2" Belt Loop

NLN4121A Swivel Carrying Case for High Capacity and/or Non-Rechargeable Battery, with 3" Belt Loop, MX320, MX340, MX350

MX300-S Series

Portable Accessories

Carrying Accessories



NLN4124A

NLN4123A Swivel Carrying Case for Ultra-High Capacity Battery, with 3" Belt Loop, MX320, MX340, MX350

Cover

1505332D01 Cover for Carrying Case



1505332D01



NLN8861B

Carry Holders

NLN8862B Carry Holder, Swivel, 3"

NLN8861B Carry Holder Belt Loop for 2 1/2" Belt, 1 3/4" wide, 60" long

Carrying Accessories

Carrying Strap

NTN5243A 60" Carrying Strap, Requires Leather Carrying Case



NTN5243A

UHF and VHF 3" Belt Clip Back Cover

NLN7320A MX360



4205360D01

T-Strap

4205360D01 For All Carrying Cases

Belt

4200865599 1-3/4" Wide Leather Belt, For All Models



4200865599

4205857B01 2" Spare Belt Loop, For Swivel Cases

MX300-S Series

Accessories, Antennas

Mobile Operation Accessories

Converta-Com Console Extenders

1505716D02 Converta-Com Console 1.5" Extender Pocket (Standard)



TMN6054A

Microphone

TMN6054A

Remote Microphone

Speakers

NSN6026A 5 Watt Audio

Portable Antennas

Heliflex

Each antenna is tested and tuned to give maximum power and performance. Antenna's connector is color coded indicating frequency. These antennas are ideal for VHF and UHF MX300 radios because of their rugged and flexible design.

8505355K03 403-430 MHz,
For Use On Public Safety,
Speaker/Microphone

8505355K04 440-470 MHz,
For Use On Public Safety,
Speaker/Microphone

8505816K01 136-150 MHz,
Injection Molded

8505816K21 150-162 MHz,
Injection Molded

8505816K23 162-174 MHz,
Injection Molded

8505816K24 403-433 MHz,
Injection Molded

8505816K25 450-470 MHz,
Injection Molded

8505816K26 470-512 MHz,
Injection Molded

8505491J02 150-162 MHz,
PVC Dip Coated

8505491J03 162-174 MHz,
PVC Dip Coated

8505491J04 403-440 MHz,
PVC Dip Coated

8505491J05 440-470 MHz,
PVC Dip Coated

8505491J06 470-512 MHz,
PVC Dip Coated



8505355K04



8505816K01



8505491J05

MX300-S Series



Antennas,
Batteries, Service
Tools & Aids

Portable Antennas

Flexible

Slightly longer than helical antenna and provides better radiation characteristics.

8505247K06 403-512 MHz, Molded

NAF4000B 806-870 MHz, Molded

8505268F01 403-512 MHz, PVC Dip Coated

8505309N11 470-512 MHz,
For Use On Public Safety
Speaker/Microphone



8505247K06

8505247K04

Portable Batteries

Nickel-Cadmium Premium

Part Number: **NLN5860D**

Volts: 7.5

Avg. mAh: 1400

Height: 3-2/16"

Intrinsically Safe: Yes

Service Tools

Alignment Tools

6682186E01 Tuning Tool



6682186E01

6605168F01 Wrench,
Antenna Bushing Nut and
Fuse Cap (800 MHz only)



6605168F01

Service Aids

Radio Test Cable

Used with RTX4005 portable test set for transmitter, receiver alignment and performance checks

RTK4021A Test Cable



RTK4021A



SKN6028A

RF Adapter Cable

SKN6028A RF Adapter Cable, connects to radio jack, other end terminated with type BNC male

MX300-S Series

Manuals

Manuals

- 6881022C05** Models H23/H24/H33/H34 H43SSU, H43SXU, H44SSU, and H44SXU Operating Instructions, 136-174MHz/406-512 MHz
- 6881022C10** Models H23/H33/H43SSU 1W, 2.5W, & 6W Service Manual, 136-174 MHz
- 6881022C50** Models H43SMU Marine Radio Operating Instructions, 136-174 MHz
- 6881022C55** Models H43SMU Marine Radio Service Manual, 136-174 MHz
- 6881024C85** Models H23/H33/H43SSU 12.5 kHz Channel Spacing Service Sheet (Suppl. to 6881022C10), 136-174 MHz
- 6881042C95** Service Manual for radios with Basic SECURENET Digital Voice Protection, 136-174 MHz
- 6881022C15** Models H24/H34/H44SSU 1W, 2W & 4W Service Manual, 406-512 MHz

Manuals

- 6881036C85** Models H23, H33, H43SXU Series Service Manual, 136-174 MHz
- 6881036C90** Models H24, H34, H44SXU Series Service Manual, 406-512 MHz
- 6881036C95** Models H23, H24, H33, H34, H43SXU and H44SXU Series Theory/Maintenance Manual, 136-174 MHz
- 6881031C85** Data Encryption Standard (DES) Options (Suppl. to 6881036C85 and 6881036C90), 136-174 MHz
- 6881039C65** With Digital Voice Protection Service Manual, 136-174 MHz

Miscellaneous

- 6881030C65** MDC600, MDC1200, Modat, and Select 5 Signalling Options Service Manual
- 6881043C90** Operating Instructions for Radios with Basic SECURENET Digital Protection
- 6881043C05** Supplement for Radios with Basic SECURENET Option
- 6881047C65** SECURENET Operating Instructions