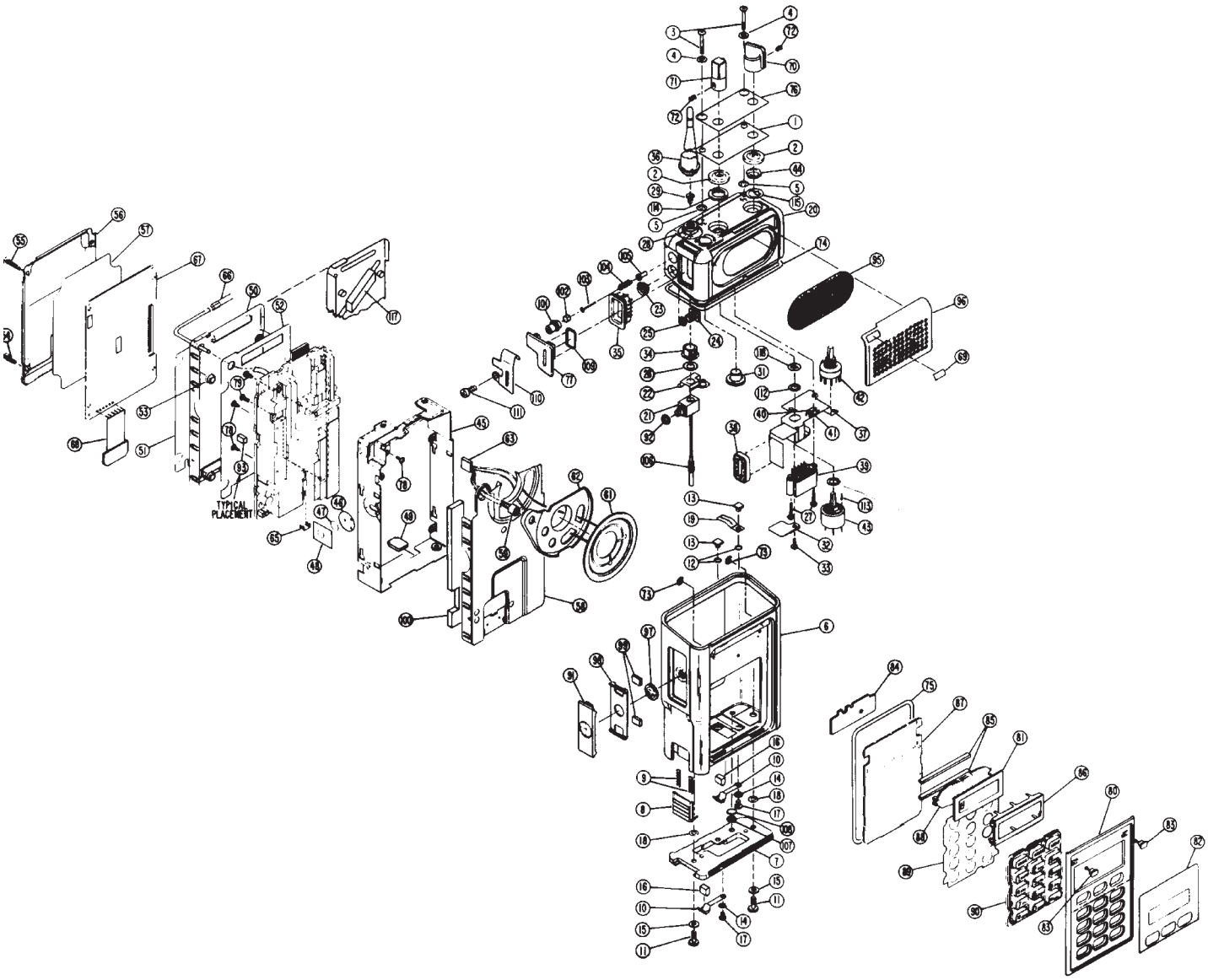
MOTOROLA

MX800 Series

Parts List



Replacement parts may no longer be available

MX800 Series

Parts List

REF. NO.	PART NO.	DESCRIPTION
1	----	Plate, Escutcheon
2	**3205933J02**	Seal, Switch
3	**0305941K04**	Screw, Control Top; #4-40 Captive
4	----	Lockwasher, #4
5	----	"O" Ring
6	**0105957K69**	Lower Housing Kit (includes items 97 & 98)
7	**6405473N01**	Baseplate
8	**5505727N01**	Latch, Battery
9	**4105944K01**	Spring, Latch
10	**3905421C13**	Contact, Battery
11	**0305941K02**	Screw, Baseplate; #4-40
12	**3205082E24**	"O" Ring
13	**4605945K03**	Bushing, B+
14	**0400002625**	Lockwasher, #2
15	**0400009761**	Lockwasher, #4
16	**0705830C02**	Support, Contact
17	**0300138651**	Screw, #2-56 x 1/8"; Phillips, Panhead
18	**3205082E11**	"O" Ring
19	----	Contact, B+
20	**NTN5206C**	Upper Housing Kit, with 2-pos rotary switch
	or	
	NTN5205C	Upper Housing Kit, with 16-pos rotary switch
21	**0105952M69**	RF Switch Assembly (includes items 22 & 106)
22	**0405483P01**	Washer, RF Jack
23	**0205578M01**	Nut, Stud
24	**4305577M01**	Stud
25	**3205472P07**	"O" Ring, Stud
26	**3205639F03**	Gasket
27	**0300140383**	Screw #2-56 x 9/16"; Phillips, Panhead
28	**0205588M01**	Nut, Antenna Seal
29	**0905771F02**	Pin, Coaxial
30	----	Not Used
31	**3905698N01**	Switch, Control
32	**6405187P01**	Plate, Control Switch
33	**0300136782**	Screw, #2-56 x 3/16"; Phillips, Panhead
34	----	Bushing, Antenna (not field replaceable; order item 20)
35	**1505673C03**	Connector, Side (J601)
36	**8505241U06**	Antenna, 800 MHz Whip
	or	
	NAF4000B	Antenna, 800 MHz Dipole
37	----	Control Flex Assembly with 2-position Rotary Switch (includes items 38-44, 114, & 115)
	or	
	----	Control Flex Assembly with 16-position Rotary Switch (includes items 38-44, 114, & 115)
38	**0905675C01**	Socket, Side Connector
39	**0905463Q01**	Connector, 20-Pin (J1)
40	----	Resistor – not available (See Electrical Parts List - R613)
41	----	Resistor – not available (See Electrical Parts List - R605)
42	----	Potentiometer – not available (See Electrical Parts List - R601)
43	**4005640Q08**	Switch, Rotary
44	**0200140458**	Nut, Volume Switch
45	----	Frame Assembly – not available (includes items 46-49)
46	----	PCB, PTT (not field replaceable;order item 45)
47	----	Contact, Snap-Dome (not field replaceable; order item 45)
48	----	Seal, Dome (not field replaceable; order item 45)
49	----	Insulator, B+ (not field replaceable; order item 45)
51	----	Insulator, Logic (not field replaceable; order item 50)
52	----	Insulator, RF (not field replaceable; order item 50)
53	----	Standoff (not field replaceable; order item 50)
54	----	Screw, #2-56; Phillips, Panhead
55	**0305731J06**	Screw, #2-56; Phillips, Panhead
56	**NTN5108A**	Rear Shield Kit (includes item 57)
57	----	Insulator, Rear (not field replaceable; order item 56)
58	**NTN5646B**	Front Shield Kit (includes items 59-63 & 100)
59	----	Microphone (See Transceiver Board Parts List - MK501) – not available
60	----	Not Used
61	----	Speaker (See Transceiver Board Parts List - LS501) – not available
62	**4205790T01**	Boot, Microphone
65	**4205474P01**	Clip, B+
66	**0905006P01**	Plug, Coax; RF
68	**8405758N03**	Interconnect, Display
69	**3305206P01**	Label, Emergency
70	**3605295P01**	Knob, Volume Switch
71	**3605295P02**	Knob, Rotary Switch
72	**0305480E02**	Screw Set; #4-40 x 3/32"
73	**4210219A55**	E-Clip, Front Cover
74	**3205082E66**	"O" Ring, Control Top
75	**3205082E67**	"O" Ring, Front Cover
76	**1305711N10**	Escutcheon,1-16
77	**3205606P01**	Seal, Side
78	**0300136783**	Screw, #2-56 x 5/16"; Phillips, Panhead
79	**0300139444**	Screw, #2-56 x 5/32"; Phillips, Panhead
80	----	Front Cover Kit, 15-key (includes items 81-90)
	or	
	NTN5712A	Front Cover Kit, Plain (includes items 82 & 83)
82	**1305954N09**	Escutcheon, Front Cover, 15-Key
	or	
	----	Escutcheon, Front Cover, Plain
83	**4205842R01**	Retainer, Front Cover
84	**6405761S01**	Plate, LCD Back-up
85	**2805397L09**	Elastomer, LCD
86	**1305955N01**	Bezel, LCD
87	----	Display Board Kit, with LCD/LED (not field replaceable; order item 80)
88	----	Light Pipe, LCD (not field replaceable; order item 80)
89	----	Shield, Static (not field replaceable; order item 80)
90	----	Keypad, 15-key (not field replaceable; order item 80)
91	**4505369Q01**	Lever, PTT
92	**3205853H02**	Gasket
93	----	Pad, RF
94	----	Not Used
95	----	Felt, Speaker (not field replaceable; order item 20)
96	----	Grille, Upper Housing (not field replaceable; order item 20)
97	----	Actuator, PTT (not field replaceable; order item 6)
98	----	Retainer, PTT (not field replaceable; order item 6)
99	**1105668K35**	Pad, Urethane
100	**1405784P01**	Insulator, Front
101	----	Nut, Retainer
102	**1405664J01**	Insulator, Plunger
103	**4405829J01**	Plunger, RF Switch
104	**4105836J01**	Spring, RF Switch
105	**1405787C01**	Insulator, Spring
106	**0905006P02**	Socket, Coax; RF (P4)
107	**3205082E25**	"O" Ring, Port
108	----	Seal, Port
109	**3205473P04**	"O" Ring, Side Seal
110	**NTN5023A**	Retainer, Side Seal (Optional)
111	----	Screw, Captive; #6-32 x 0.19" (Optional)
113	----	Pin, Stop
114	----	Nut, Rotary Switch
115	----	Washer, Retaining
116	----	Not Used
117	----	Pad, Urethane; Center Shield (not field replaceable; order item 50)
118	----	Washer, Doubled

Cancelled Product MX800: Aftermarket support criteria has been met for spare parts. Items may no longer be available.

MOTOROLA ORIGINAL

MX800 Series

Portable Accessories

Chargers

Single Unit Chargers

Single Unit Chargers are best suited for small system users, or users without centralized charging facilities. They are capable of charging batteries while they are on or off of the radio. When the battery is fully charged, a visual indication is given and the charger automatically reverts to a trickle charge rate. Actual charging time varies directly with battery capacity.

NLN8858A

NLN8858A Rapid Charge, 117 Volt

Adapter Kit

NTN4529A Adapter Kit, for 6-Unit Charger (for Wall or Rack Mount Applications)

NTN4529A

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 mAH to 4 amps per station
- Interchangeable adapters accomodate 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-71223 Standard Adapter for MX800

MX800 Series

Portable Accessories

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

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

WPLN4079BR

BMS^{plus} Adapter

TDN9451A Standard Adapter for MX800

Carrying Accessories

NTN4968A

Carrying Cases

A variety of carrying accessories are available for your comfort and convenience. The carrying cases are available in sizes designed to fit your radio & battery and permit audio to be heard clearly.

Swivel

NTN4968A Carry Case and Swivel Belt Loop Holder, For Medium Capacity Battery (Order Velcro T-Strap Separately)

NTN4969A Carry Case and Swivel Belt Loop Holder, For High Capacity Battery (Order Velcro T-Strap Separately)

Carry Holder

NTN4350A Carry Holder with Belt Loop, For All Models

NTN4350A

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

MOTOROLA ORIGINAL

MX800 Series

Portable Accessories

Carrying Accessories

T-Strap

4205713P02 Nylon, Velcro, for all models

4205713P02

NTN4971A

Full Cover

NTN4971A Full Cover, Velcro, for all models

Belt

4200865599 1.75˝ Belt, for all models

4200865599

Carrying Strap

NTN5243A Carrying Strap, for all models

Belt Loop

4205857B01 2˝ Belt Loop, for Swivel Case

NTN5243A

Audio Accessories

Remote Speaker Microphone

Remote speaker microphones allow the user to talk and listen without removing the radio from its belt carry case or charger. It has a top-ported speaker for improved audio reception and audio input.

NMN6176A

***NMN6176A** Remote Speaker Microphone with Coil Cord, Clip Back, 2.5 mm Earpiece Jack and Earpiece (NTN4742A)

***NMN6177A** Remote Speaker Microphone with Coil Cord and Clip Back

Public Safety Remote Speaker Microphone

NMN6175A

This microphone is very similar to the remote speaker microphones, as it is weatherized, and has the top-ported speaker for better audio. There is an antenna for improved coverage.

***NMN6175A** Public Safety Remote Speaker Microphone, with Clip Back, 800-900 MHz Antenna Included

** Intrinsically safe*

MX800 Series

Portable Accessories

Audio Accessories

Epaulet Strap

Black leather epaulet straps secure remote speaker microphone 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

NTN4742A Earpiece without Volume Control

NTN4664A Three wire surveillance accessory with earpiece microphone, and push-to-talk as separate pieces.

Ear Microphone System

This compact unit picks up the voice through bone vibrations in the ear canal. Ideal for use in high noise environments. Available in PTT or Voice-activated (VOX) capabilities for total hands free communications. Order Interface Module separately.

***BDN6677A** Ear Microphone for Standard Noise Levels (up to 95 db), Black

BDN6677A

***BDN6678A** Ear Microphone for Standard Noise Levels (up to 95 db), Beige

***BDN6641A** Ear Microphone for High Noise Levels (up to 105 db), Grey

BDN6641A

Audio Accessories

Interface Module

***BDN6644B** Push-To-Talk Only Interface Module

Optional Accessories

***0180358B38** Remote Push-To-Talk Ring Switch

0180358B38

0180300E25 Earguard with Adjustable Loop; secures ear mic in ear

0180358B33

0180358B32 Earholder, Black, Size Small; secures ear mic in ear

0180358B33 Earholder, Black, Size Medium; secures ear mic in ear

0180358B34 Earholder, Black, Size Large; secures ear mic in ear

0180358B35 Earholder, Clear, Size Small; secures ear mic in ear

0180358B36 Earholder, Clear, Size Medium; secures ear mic in ear

0180358B37 Earholder, Clear, Size Large; secures ear mic in ear

4280369E44 Replaceable Belt Clip with Screws

5080358B28 Eartips, Black, Size Medium (10 per pack)

5080358B29 Eartips, Black, Size Large (10 per pack)

5080358B30 Eartips, Beige, Size Medium (10 per pack)

5080358B31 Eartips, Beige, Size Large (10 per pack)

** Intrinsically safe*

MX800 Series

Portable
Accessories

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.

BDN6350A In-line push-to-talk switch

BDN6351A Pendant-thumb push-to-talk switch

High noise level (to 115 dB) noise-attenuating headset with military noise-cancelling microphone and dual speaker. *NOTE: Cannot be worn with headgear.*

BDN6358A In-line push-to-talk switch

BDN6356A Body/foot switch that can be belt mounted

High noise level headset (up to 115 dB) with bone conduction microphone and dual speaker. *NOTE: for use with respirator or face mask kit.*

BDN6314A Body/foot switch that can be belt mounted

Audio Accessories

High noise level headset (Up to 125 dB) with noise-cancelling microphone and push-to-talk switch located on earcup. Vox module contained within headset on voice activated units. Intrinsically safe.
NOTE: Can be worn with or without hardhat or fire helmet.

BDN6645A
(Shown with adapter cable BDN6638A)

BDN6638A Adapter Cable for BDN6645, BDN6635, and BDN6636

BDN6645A Push-To-Talk Headset with Boom Microphone; Requires Adapter Cable BDN6638A

BDN6635B Voice-Activated Headset with Boom Microphone; Requires Adapter Cable BDN6638A; includes 110V Charger

BDN6635B
(Shown with adapter cable BDN6638A)

BDN6636B
(Shown with adapter cable BDN6638A)

BDN6636B Voice-Activated Headset with Throat Microphone; Requires Adapter Cable BDN6638A; Includes 110V Charger

0180357B05 Spare VOX Headset Charger110V

Audio Accessories

Helmet Kits

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

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

BDN6275A Single Speaker

Bell BT600 1⁄2 Shell headgear with military noise-cancelling microphone (cable assembly required, order separately)

BDN6362A Single Speaker (Police)

Cable Assemblies

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

BDN6315A Cable assembly for Police Radio helmet kit with transmit switch, volume control, microphone electronics and a push-to-talk jack built into a belt mounted control box

BDN6292A Cable assembly for Police Radio helmet kit with handlebar push-to-talk switch for belt mounted control box (only applies to BDN6315A)

Portable Antenna

Dipole Antennas

Dipole molded antennas are injection molded in lasting polyurethane. The wide skirt at the bottom of the connector protects against damaging environmental elements. The dipole antenna is ideal when strong and solid signal clarity is demanded.

NAF4000B
Dipole, 806-869MHz, 8˝

NAF4000B

MX800 Series

Batteries, Service Aids

Portable Batteries

Nickel-Cadmium Premium

Part Number: **NTN4326A**
Volts: 7.5
Avg. mAh: 1300
Height: 2-7/16″
Intrinsically Safe: No

NTN4326A

Part Number: **NTN4327C**
Volts: 7.5
Avg. mAh: 1800
Height: 3-11/16″
Intrinsically Safe: No

NTN4327C

Part Number: **NTN4500A**
Volts: 7.5
Avg. mAh: 1800
Height: 3-11/16″
Intrinsically Safe: Yes

NTN4500A

Part Number: **NTN4534A**
Volts: 7.5
Avg. mAh: 1300
Height: 2-7/16″
Intrinsically Safe: Yes

Service Aids

RTL4199A

Battery Eliminator

Allows use of external power supply to power radio.

RTL4199A Battery Eliminator

Battery Block Adapter

Transceiver can be connected to the battery eliminator with this adapter so it remains functional when out of the radio.

RTL4206A Battery Block Adapter

RTL4206A

RF Adapter Cable

Control the radio locally while taking transmitter measurements by attaching this adapter to the universal side connector.

RTK4087A RF Cable Adapter

RTK4087A

SMA to BNC Adapter

Make transmitter measurements while the portable is connected to the portable test set. The adapter connects the antenna jack.

5880384G68 SMC to BNC Adapter

MX800 Series

Service Aids, Manuals

Service Aids

Radio Interface Box

Links radio programming cable and computer interface together. Provides required voltage shift to enable communications between radio and computer. Requires computer interface cable, radio test and programming cable, and 9 volt snap type battery (6082728J01), order separately.

RLN4008E

RLN4008E Radio Interface Box

Computer Interface Cable

Used to connect computer's serial adapter to Radio Interface Box.

3080369B71 Cable, RIB to 25 pin D

3080369B72 Cable, RIB to 9 pin D

3080369B71

0180357A57

Wall Mounted Power Supply

Used to supply power to radio interface box RLN4008E.

0180357A57 Wall Mounted Power Supply, 110 Volts

0180358A56 Wall Mounted Power Supply, 220 Volts

Service Aids

Programming Software

Utilizing your personal computer, this software enables you to add or reprogram frequencies as your requirements change. Compatible with IBM XT, AT, MODEL 30, 50, 60, and 80. Requires interface box and appropriate cables, must be ordered separately.

RVN4073B Programming Software

Manuals

6881064C40	Service Manual
6881064C35	Operating Instructions
0180305J46	Ear Microphone System and Temple Transducer CD-ROM

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