MTX850/850•LS Series

MOTOROLA

Parts List

MOTOROLA

Parts List

REF. NO.	PART NO.	DESCRIPTION
1	----	Antenna - Refer to antenna section
2	**3680529Z01**	Knob, Volume
3	**RLN4890A**	Assistive turning knobs (Includes Volume and Channel Knobs)
	3680530Z02	Knob (Frequency)
4	**1380525Z01**	Escutcheon, Top
5	**3385681Z01**	Label Escutcheon
6	**3280533Z03**	Seal (Control Top)
7	**6180527Z01**	Lightpipe
8	**HHLN4178**	MTX850LS Nameplate
	HHLN4216A	MTX850 Nameplate
9	**HLN9820**	Dust Cover
10	**1386058A01**	Escutcheon, Universal Connector
11	**1580666Z03**	Cover, Front, Assy Popular Basic
12	----	Escutcheon, FM (not field replaceable)
13	**7580532Z01**	Keypad, Side Control
14	**1380528Z01**	Bezel, Side Control
15	**7585680Z03**	Keypad (Pop Basic)
16	**0104007J99**	Waris Keypad Board
17	**4280498Z01**	Retainer, Plate
18	**3586057A01**	Cloth Speaker
19	**1480577C01**	Boot, Microphone
20	**5085738Z01**	Speaker
21	**5013920A04**	Microphone Mini Electret
22	**8480549Z07**	Flex, Universal Connector
23	**2113740A41**	Cap Chip Reel CL1 +/-30 33
24	**4280504Z01**	Retainer, Speaker
25	**0304726J04**	Screw, Torx T-6 (M2X4.5)
26	----	Controller/RF Board Assembly - refer to service manual for details
27	**8480475Z03**	Flex, Controller-Keypad
28	**1485673Z01**	Insulator
29	**7580556Z01**	Pad, Thermal
30	**3280534Z01**	Seal, Module Battery
31	**3280536Z01**	Gasket, O-Ring Waris
32	**3980698Z01**	Contact, Ground
33a	**2780518Z01**	Chassis, Waris
33b	**2780518Z03**	Chassis
34	----	Battery – refer to battery section
35	**HLN9714A**	Spring Belt Clip 2.5″

MOTOROLA ORIGINAL
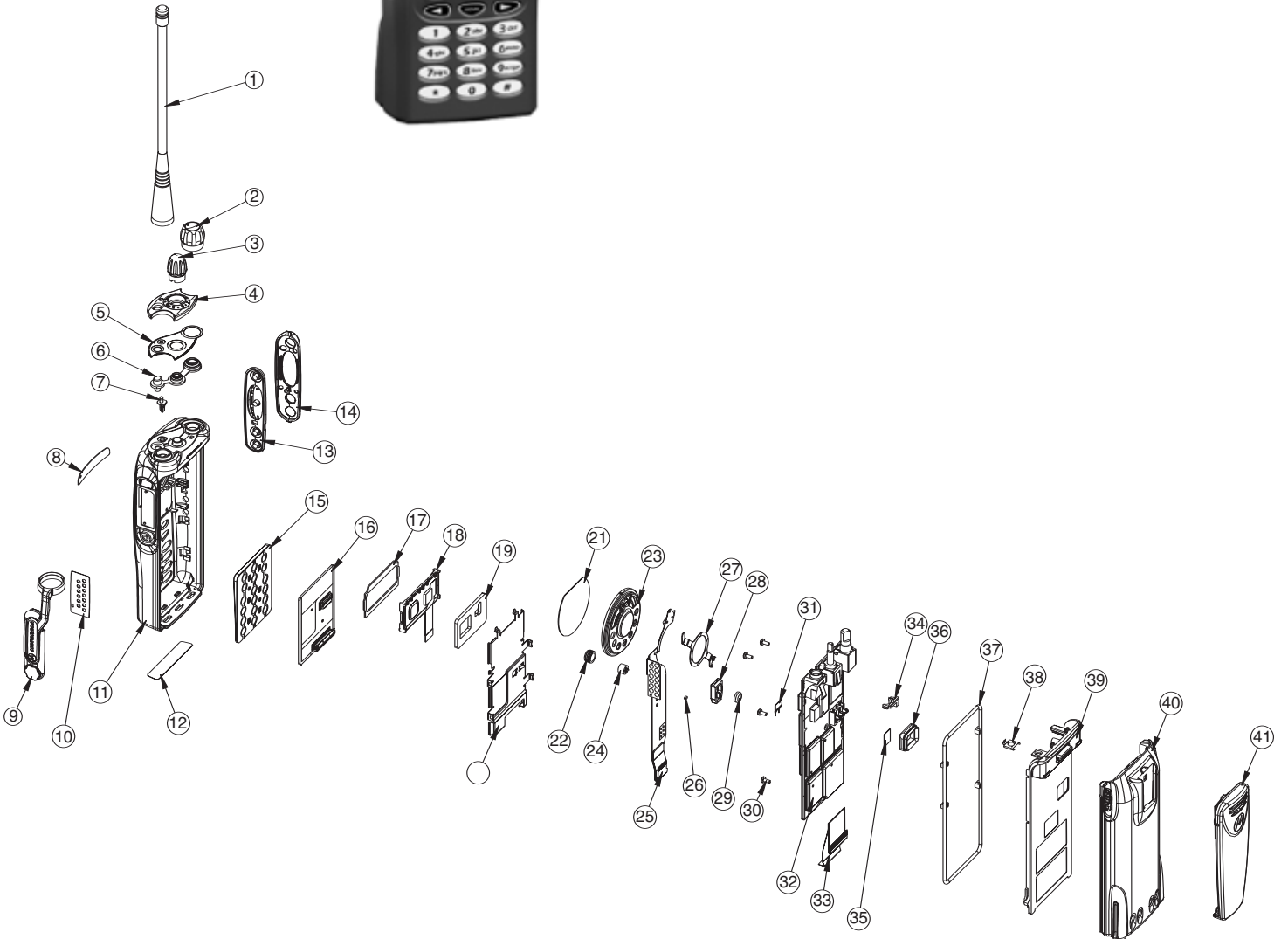
Parts List

Parts List

REF. NO.	PART NO.	DESCRIPTION
1	----	Antenna
2	3680529Z01	Knob, Volume
3	3680530Z01	Knob, Channel Selector
or	RLN4890	Assistive Turning Knobs (Includes Volume and Channel Knobs)
4	----	Escutcheon, Top
	1380525Z01	16 Channel
	1380525Z03	Dotted
5	3380644Z01	Escutcheon, Label
6	3280533Z01	Seal, Control Top
7	6180527Z01	Litepipe, Tx
8		Nameplate
	HHLN4217	MTX8250
	HHLN4181	MTX8250-LS
9	1586059A01	Dust Cover, Universal Connector
10	1386058A01	Escutcheon, Universal Flex
11	1580666Z05	Front Cover – Basic
	1580666Z02	Front Cover – DTMF
12	----	Escutcheon, FM (not field replaceable)
13	7580532Z01	Keypad, Side Control
14	1380528Z01	Bezel, Side Control
15	----	Keypad
	7586065A01	Basic
	7586065A02	Full
	7585680Z07	Full, Privacy Plus
16	0104015J14	Keypad, Board Assembly

REF. NO.	PART NO.	DESCRIPTION
17	7580540Z01	Pad Display
18	5104949J05	LCD Module
19	7580637Z01	Pad, LCD Back
20	4280498Z01	Retainer, Keypad PCB
21	3586057A01	Felt Speaker
22	1480577C01	Boot, Microphone
23	5085962A02	Speaker
24	5013920A04	Microphone
25	8480549Z01	Flex, Speaker/Microphone
26	2113740A41	Capacitor, 33pF
27	4280504Z01	Retainer, Speaker
28	1480503Z01	Boot, Backup Battery
29	6062884G01	Backup Battery
30	0304726J04	Screw
31	3980667Z01	Contact, Finger
32	----	Controller/RF Board Assembly
33	8485615Z02	Flex, Keypad/Controller
34	1480652Z01	Insulator, Antenna
35	7580556Z01	Pad, Thermal
36	3280534Z01	Seal, Contact
37	3280536Z02	Gasket, "O" Ring
38	3980698Z01	Contact, Ground, Compliant, VHF
39	----	Chassis
	2780518Z01	Chassis
	2780518Z04	800 MHz only
40	----	Battery (refer to battery section)
41	HLN9714	Belt Clip

MTX950 Series

MOTOROLA

Parts List

800 MHz Only

800 MHz Only

MOTOROLA

Parts List

REF. NO.	PART NO.	DESCRIPTION
1	----	Antenna
2	3680529Z01	Knob, Volume
3	3680530Z02	Knob, (FREQ)
4	1380525Z01	Escutcheon, Top
5	3385681Z01	Label, Escutcheon
6	3280533Z03	Seal (Control Top)
7	6180527Z01	Lightpipe
8	HHLN4218	MTX 950 Nameplate
9	HLN9820	Dust Cover
10	1386058A01	Escutcheon, Universal Connector
11	1580666Z03	Cover, Front Assembly Popular Basic
12	----	Escutcheon, FM (not field replaceable)
13	7580532Z01	Keypad, Side Control
14	1380528Z01	Bezel, Side Control
15	7585680Z03	Keypad, (Popular Basic)
16	0104007J99	WARIS, Keypad Board
17	4280498Z01	Retainer, Plate
18	3586057A01	Cloth, Speaker

REF. NO.	PART NO.	DESCRIPTION
19	1480577C01	Boot, Microphone
20	5085738Z01	Speaker
21	5013920A04	Microphone, Mini Electret
22	8480549Z07	Flex, Universal Connector
23	2113740A41	Cap, Chip Reel CL1 +/-30 33
24	4280504Z01	Retainer, Speaker
25	0304726J04	Screw, TORX T-6(M2X4.5)
26	----	Ctrl/ RF Board Assembly
27	8480475Z03	Flex, Controller-Keypad
28	1485673Z01	Insulator
29	7580556Z01	Pad, Thermal
30	3280534Z01	Seal, Module Battery
31	3280536Z01	Gasket, O-Ring WARIS
32	3980698Z01	Contact, Ground
33a	2780518Z01	Chassis, WARIS
33b	2780518Z03	Chassis
34	----	Battery – Refer to battery section
35	HLN9714	Spring, Belt Clip 2″
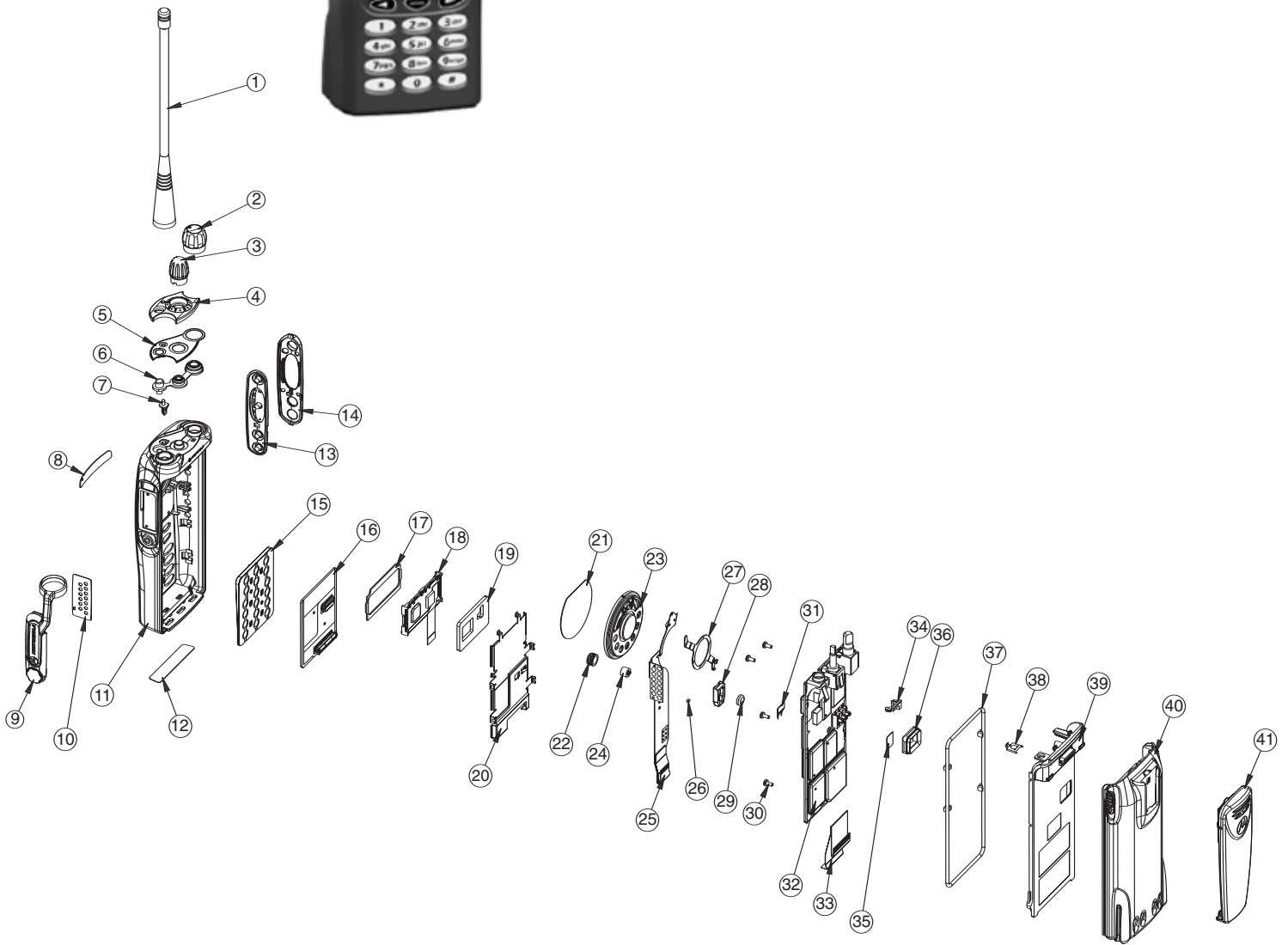
REF. NO.	PART NO.	DESCRIPTION
1	----	Antenna - Refer to Antenna Section
2	**3680529Z01**	Knob, Volume
3	**3680530Z02**	Knob, (FREQ)
4	**1380525Z01**	Escutcheon, Top
	1380525Z03	Escutcheon, Top
5	**3385681Z01**	Label, Escutcheon
6	**3280533Z03**	Seal (Control Top)
7	**6180527Z01**	Lightpipe
8	**HHLN4219**	MTX 9250 Nameplate
9	**HLN9820**	Dust Cover
10	**1386058A01**	Escutcheon, Universal Connector
11	**1580666Z02**	Cover, Front Assembly Preferred DTMF
12	----	Escutcheon, FM (not field replaceable)
13	**7580532Z01**	Keypad, Side Control
14	**1380528Z01**	Bezel, Side Control
15	**7585745Z04**	Keypad, Prime MPT
	7585680Z07	Keypad
16	**0104007J99**	WARIS Keypad Board
17	**7580540Z01**	Pad, LCD Front
18	**5104949J05**	WARIS, LCD Display Module
19	**7580637Z01**	Pad, LCD Back
20	**4280498Z01**	Retainer, Plate

REF. NO.	PART NO.	DESCRIPTION
21	**3586057A01**	Cloth, Speaker
22	**1480577C01**	Boot, Microphone
23	**5085738Z01**	Speaker
24	**5013920A04**	Microphone, Mini Electret
25	**8480549Z07**	Flex, Universal Connector
26	**2113740A41**	Cap, Chip Reel CL1 +/-30 33
27	**4280504Z01**	Retainer, Speaker
28	**1480503Z01**	Boot, Backup Battery
29	**6062884K01**	Battery, Rechargeable Lithium M
30	**0304726J04**	Screw, TORX T-6(M2X4.5)
31	**3980667Z01**	Contact, Finger
32	----	Ctrl/ RF Board Assembly
33	**8485615Z02**	Flex, Controller-Keypad
34	**1485673Z01**	Insulator
35	**7580556Z01**	Pad, Thermal
36	**3280534Z01**	Seal, Module Battery
37	**3280536Z02**	Gasket, O-Ring WARIS
38	**3980698Z01**	Contact, Ground
39	**2780518Z01**	Chassis, WARIS
	2785737Z02	Chassis, 800MHz Prime
40	----	Battery – Refer to Battery Section
41	**HLN9714**	Spring, Belt Clip 2″

MOTOROLA

Chargers

Single and Six-Unit Chargers

Single and six-unit chargers can rapidly charge spare batteries on or off the radio in one to three hours. These tri-chemistry chargers feature rapid, trickle, and maintenance modes. The maintenance mode "revert to rapid" feature ensures batteries remain fully charged even when left on the charger for extended periods of time. Multi-unit chargers

AAHTN3000D

can be wall or rack mounted and are ideal for multi-shift operations. All chargers are specifically designed to meet the requirements of batteries manufactured by Motorola.

AAHTN3000D Single Unit Rapid Rate Charger, 120V (US plug)

AAHTN3001C Single Unit Rapid Rate Charger, 230V (Euro plug)

AAHTN3003D Six-unit Rapid Rate Charger, 120V (US plug)

NLN7967A Wall Mount Kit for Six-unit Charger

HLN9793A Charger Insert Spacer - Compatible with "A" version chargers only

HLN9794B Charger Insert Spacer - Compatible with "B" version or later chargers only

Travel Charger

RLN4883A A great traveling companion that ensures constant communication while on the road. Allows the battery to rapid charge while using the radio.

RLN4883A

Includes: Voltage Regulated Lighter Adapter, Customer Charger Base, and Coil Cord. Ideal for public safety, utility, and construction.

Vehicular Charger

12V DC charger ideal for people who need a hard-wired sturdy vehicular solution. Includes charger, mounting bracket and hard wire cable. Supports NiCd, NiMH and Li-ion batteries.

RLN5233A

RLN5233A Vehicular Charger

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-76345 Adapter Plate

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 testing batteries. It supports NiCd, NiMH, and Li-ion battery chemistries and tracks battery voltage and capacity (mAh). The BMS^plus offers a 3-year warranty. Its easy-to-use design supports hundred of 2-way, cellular, and camcorder batteries. Includes serial printer* port (RS-232)

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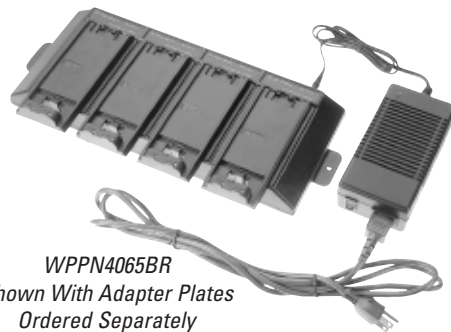
WPLN4079BR BMSPlus, Six-Station, 110V AC, 50/60 Hz

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

WPPN4079AR HT750/HT1250, NiCd and NiMH

WPPN4080AR HT750/HT1250 NiCd, NiMH and Li-ion

Motorola Conditioning Charger (MCC)

The MCC utilizes negative pulse charging technology that will help extend battery life and enhance battery operation. It will safely condition and charge your

WPPN4065BR
Shown With Adapter Plates
Ordered Separately

specified NiCd and NiMH batteries in approximately an hour. The MCC controls heat buildup due to its charging and termination algorithms, and maintenance mode allows batteries to be safely left on the charger for extended periods of time. And now there is an Instant Fault Detection (IFD) feature which detects faulty radio batteries in seconds, which notifies the user that the battery will not operate at peak performance. Optional accessories are available allowing these chargers to be used in both AC and DC environments providing optimal charging flexibility.

* Compatible with the STAR Micronics SP200 Series printers (and other printers with STAR emulation); available from any STAR Micronics distributor.

Motorola Conditioning Charger (MCC)

WPPN4065BR Motorola Multi-unit conditioning charger, 110V AC (Adapter plates sold separately)

WPPN4082BR Adapter Plate Only, 7V (MTX8250 and MTX8250-LS)

WPLN4107BR MCC Kit, 110V AC (includes base unit and 7V adapter)

WPLN4106AR MCC Kit, 220V AC (includes base unit and 7V adapter)

3080384G15 Optional Cigarette Lighter Adapter Cord

RLN4814A Vehicular Mounting Bracket for single unit Motorola Conditioning Charger

3080384G15

RLN4814A

HLN9179A Quick-Release Attachment for Mounting Bracket RLN4814A

HLN9162A 5″ Goose Neck Attachment for Mounting Bracket RLN4814

HLN9154A Non-Locking Attachment for Mounting Bracket RLN4814A

HLN9228A Clamshell Attachment for Mounting Bracket RLN4814A

Carrying Accessories

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 and battery and permit audio to be heard clearly. Belt loop and nylon cases feature "D" rings that allow the cases to be attached to a carrying strap. Swivel model cases secure to a belt loop and allow the case to swing freely from side to side. The swivel latch system also allows the radio and case to be removed from the belt loop by simply inverting the case and lifting it up and out of the belt loop.

HLN9652A Standard leather carry case, short, plain, belt loop, thin battery

HLN9665A Standard leather carry case, short, plain, belt loop, standard battery

HLN9670A Standard leather carry case, short, plain, swivel, thin battery

HLN9676A Standard leather carry case, short, plain, swivel, standard battery

HLN9677A Standard leather carry case, short, DTMF, belt loop, thin battery

HLN9676A

HLN9689A Standard leather carry case, short, DTMF, belt loop, standard battery

HLN9690A Standard leather carry case, short, DTMF, swivel, thin battery

HLN9694A Standard leather carry case, short, DTMF, swivel, standard battery

HLN9701B Nylon carry case, with belt loop; popular and preferred

Carrying Accessories

HLN9714A Spring Action 2-1/2˝ Belt Clip

HLN9952A Belt Clip Carry Holder – one size fits all

NTN5243A Shoulder Carrying Strap allows easy carrying of radio in a case when not wearing a belt

4200865599 1.75˝ Wide Leather Belt (black)

Carrying Accessories

Carry Packs

HLN6602A Universal Chest Pack with Radio Holder, Pen Holder, and Velcro Secured Pocket

1505596Z02 Replacement Strap for HLN6602A

RLN4570A Break-A-Way Chest Pack. All of the same features as the original chest pack (HLN6602A) plus break-a-way tabs that allow that allow the entire pack to be pulled off with approximately 10 lbs of pressure. Perfect for railroads, manufacturing locations, construction sites and anywhere that safety is a concern.

RLN4570A

RLN4815A Universal RadioPAK™ with Radio Holder. Worn around the waist, it holds two-way, iDEN portables or cellular phones right at hand. Includes separate 6˝x8˝ zippered pouch for other on the job necessities. Adjustable nylon weave belt; fits both men and women.

4280384F89 Universal RadioPAK™ Belt Lengthener; Fits Waists Larger than 40˝

HLN9985B Waterproof Bag includes large carrying strap

Audio Accessories

Remote Speaker Microphones (RSM)

The remote speaker microphone is a water-resistant compact unit that allows the user to talk and listen without removing the radio from the belt, case or charger. It has a coiled cord, push-to-talk switch and clothing clip on the back cover.

*AAHMN9052E Remote Speaker Microphone

*AAHMN9053E Noise Canceling Remote Speaker Microphone with 3.5mm Audio Jack

AAHKN9055A Replacement Cable for RSM's

AAHMN9052E

* Intrinsically safe

*Portable
Accessories*

MOTOROLA

Audio Accessories

RSM and PSM Accessories

*AARLN4885B Receive-only Earbud with black coiled cord and 3.5mm Adapter for use with AAHMN9053A, AAHMN9054A and AAHMN9057A

RLN4941A Receive-only Earpiece with 3.5mm Plug, Translucent Tube and Rubber Eartip for use with AAHMN9054B and AAHMN9057B

*RMN4054B Receive-only Hardhat Mount Headset; mounts easily to hardhats with slots and provides 22dB of noise reduction; for use with AAHMN9053A, AAHMN9054A and AAHMN9057A. (hardhat not included)

RMN4055A Receive-only Headband Style Headset provides 24dB of noise reduction; for use with AAHMN9053C

RLN4923A Two Replacement Snap-in Earseals for RMN4054A and RMN4055A

REX4410C Replacement Paddle PTT Kit for RSM's and PSM's

MicJackets

MicJackets provide speaker microphone users with a way to further protect the "head" of their microphone from dust, dirt, metal particles, sweat, body oils and other on-the-job grime; MicJackets also allow the user to handle or interact with the speaker microphone in a more hygenic way.

RLN5009A

RLN5008A MicJacket, compatible with HMN9052 Remote Speaker Microphone

RLN5009A MicJacket, compatible with HMN9053 Remote Speaker Microphone

Audio Accessories

CommPort: Integrated Microphone/Receiver System

The CommPort system contains a miniature microphone and receiver, and connects to your two-way radio, making it possible to hear and speak under the most adverse conditions.

*NTN1723A Integrated Ear Microphone/Receiver System w/Palm PTT (includes AAHLN9717 radio adapter)

*NTN1724A Integrated Ear Microphone/Receiver System with Ring PTT (includes AAHLN9717 adapter)

*NTN1722A Integrated Ear Microphone/Receiver System with PTT on Radio Adapter (includes AAHLN9717 Adapter)

*NNTN4187A Integrated Microphone/Receiver System with Remote Push-to-Talk Body Switch (includes AAHLN9717 radio adapter)

NTN1723A

* Intrinsically safe

MOTOROLA ORIGINAL

8/03

MOTOROLA

*Portable
Accessories*

Audio Accessories

NTN1737A

*NTN1737A Integrated Microphone/Receiver with Snap-On-Side PTT

NKN6510A Replacement Palm PTT Cable for NTN1723A

NKN6508A Replacement Cable for NTN1722A

NKN6512A Replacement Ring PTT Cable for NTN1724A

NKN6525A Replacement Cable with Snap-On-Side PTT for the NTN1737A

NNTN4188A Replacement Body Switch Push-to-Talk Cable for NNTN4187A

NTN8821A CommPort Maintenance Kit, includes replacement ear tubes (quantity 10), windscreens (quantity 2) and microphone seal strips (quantity 10)

NTN8986A Adhesive Pads (Quantity 90) for secure attachment to ear

NTN8988A Ear Straps (Quantity 10) for secure attachment to ear

RLN5037A Replacement Ear Tubes (qty 10)

4285838B01 Replacement Collar Clip

4202006A01 Replacement Back Cover Clip

Flexible Ear Receiver

The flexible ear receiver contains a flexible earloop and speaker and rests external to the ear.

*ENMN4013A Flexible Ear Receiver

7580372E11 Replacement Foam Ear Cushions for ENM4013A

ENMN4013A

Audio Accessories

Surveillance Kits

Surveillance accessories allow the user to privately receive communications with the earpiece and are ideal when environments require discreet communications.

AARMN4028A

*AARMN4021A Receive-only Earpiece (beige) (1-wire)

*AARMN4022A Earpiece with Microphone and PTT Combined (beige) (2-wire)

*AARMN4028A Receive-only Earpiece (black) (1-wire)

*AARMN4029A Earpiece with Microphone and PTT Combined (black) (2-wire)

*ENMN4014A Earpiece with Microphone and PTT separate (black) (3-wire)

*ENMN4017A Earpiece with Microphone and PTT separate (beige) (3-wire)

Replacement Items

5080371E73 Standard Rubber Eartips, Pack of 25, Beige

5080371E75 Standard Rubber Eartips, Pack of 25, Black

5080369E40 Earloop, Plastic, Beige

5080370E92 Earloop, Plastic, Black

5880377E06 Plastic Earloop Adapter

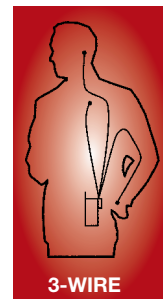**5080369E38** Standard Earpiece Assembly (includes Earphone, Earloop, and Eartip), Beige

5080369E90 Standard Earpiece Assembly (includes Earphone, Earloop, and Eartip), Black

ENMN4017A

1-WIRE   **2-WIRE**   **3-WIRE**

* Intrinsically safe

Audio Accessories

Completely Discreet Earpiece

Remain discreetly in touch with this miniaturized receiver. All messages received through the user's two-way radio are inductively relayed to the wireless earpiece in the user's ear. Inductive neckloop is easily hidden under the user's clothing for covert operations. Neckloop attaches to the user's Motorola Surveillance Kit providing completely discreet two-way

RLN4922A

communications. Security operatives, public safety officials, and private investigators can communicate with ease without any visible equipment. Small as it is, it offers a full range of audio functions including automatic squelch, automatic gain control and noise filtering. **Must be used in conjunction with a Motorola Surveillance Kit. Just remove the earpiece on any standard 2- or 3-wire surveillance kit and plug in the neckloop for completely discreet communication.**

RLN4922A Completely Discreet Earpiece Kit; includes wireless earpiece, inductive neckloop, 6 spare batteries and 5 spare ear wax guards

RLN4919A Ear Wax Guards, 5 per pack

RNN4005A 1.4V Battery, 6 per pack

Surveillance Kits with Extended Wear Earpiece

These kits include a comfort earpiece with a rubber ear tip and a clear confortable acoustic tube (NTN8371A). Users can hear transmissions clearly, while the clear tube provides a discreet appearance.

RLN5316A Comfort earpiece with combined microphone and push-to-talk; beige (2-wire kit)

RLN5315A Comfort earpiece with combined microphone and push-to-talk; black (2-wire kit)

Audio Accessories

NTN8370A

Noise Kits

Lightweight translucent tube attaches to Motorola surveillance accessories. Clothing clip prevents the accessory from being pulled from the ear due to body movement or head rotation.

NTN8370A Extreme Noise Kit, includes 2 foam earplugs for loud environments provides 24 dB noise protection.

NTN8371A Low Noise Kit, includes rubber eartip for low noise environments; does not provide hearing protection

5080384F72 Replacement Foam Plugs; pack of 50 (for use with NTN8370A)

5080371E73 Replacement Standard Rubber Eartips, Pack of 25 (for use with NTN8371A), Beige

NTN8371A

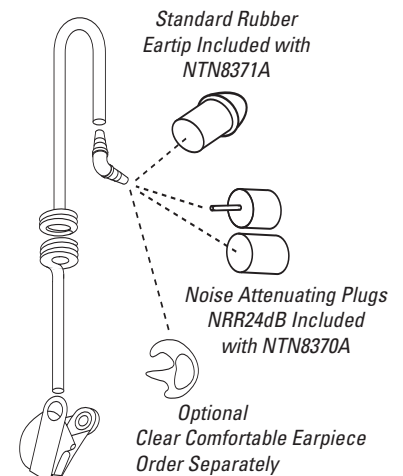**5080371E75** Replacement Small Rubber Eartips, Pack of 25 (for use with NTN8371A), Black

Clear Comfortable Earpiece

The clear comfortable earpiece forms to the inside of your ear and is perfect for low noise environments. Compatible with the NTN8371A, clear acoustic tube assembly, and most surveillance kits (1-, 2- and 3-wire). This earpiece is made of easy-to-clean chemically inert, hypoallergenic material. Does not provide hearing protection. There are 3 items needed to make this product work:

1. Clear Comfortable Earpiece
2. Clear Acoustic Tube Assembly (NTN8371A)
3. Surveillance Kits

Standard Rubber Eartip Included with NTN8371A

Noise Attenuating Plugs NRR24dB Included with NTN8370A

Optional Clear Comfortable Earpiece Order Separately

Acoustic Tube with Earphone

* Intrinsically safe

Audio Accessories

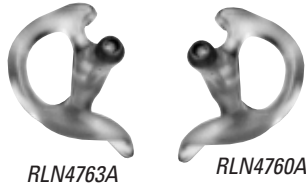**RLN4760A** Small Custom Earpiece, right ear

RLN4763A Small Custom Earpiece, left, ear

RLN4761A Medium Custom
Earpiece, right ear

RLN4764A Medium Custom
Earpiece, left ear

RLN4762A Large Custom Earpiece,
right ear

RLN4763A   *RLN4760A*

RLN4765A Large Custom Earpiece, left ear

Ear Microphone System (EMS)

This compact unit picks up the voice through bone vibrations in the
ear canal. The miniature earpiece leaves the hands free and face
unobscured when worn by rescue and hazard protection personnel,
who still retain the ability for direct
hearing and speaking. For personnel
required to wear breathing apparatus,
communications with protective
masks are as clear as
communications without. And its high
speech clarity under noisy
environments makes it ideal for high
noise environments. Available in PTT
or Voice Activated (VOX). **Interface
Module required.**

*BDN6641A
Requires
interface module
sold separately*

*BDN6677A Ear Microphone for Standard Noise Levels
(up to 95dB, black)

*BDN6678A Ear Microphone for Standard Noise Levels
(up to 95dB, beige)

*BDN6641A Ear Microphone for High Noise Levels (up to 105dB)

Interface Modules for EMS

*AARMN4044A Push-To-Talk Only Interface Module

*AARMN4045A Push-To-Talk or Voice-Activated Interface Module

Audio Accessories

Optional Accessories For EMS

0180358B38 Remote Push-To-Talk Ring Switch

0180300E83 Remote Push-To-Talk
Body Switch

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

0180358B32 Earholder, black size small;
secures ear mic in ear

0180358B33 Earholder, black, size medium;
secures ear mic in ear

0180300E83

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

0180300E25

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

Audio Accessories

Temple Transducer

The temple transducer represents a significant achievement in headset design and functionality. It allows the user to receive audio without covering the ear. The receiver portion of this accessory rests on the temples and is capable of converting the receive audio from a two-way radio into sound vibration. The sound vibration is transmitted through the surrounding human tissue and bone directly into the inner ear where it is received by the user. It features an in-line PTT and noise canceling boom microphone. The temple transducer enhances communication and safety by not impairing the user's hearing of external sound environment, such as from machinery and equipment, warning, and fire alarms, the intercom, traffic and even casual conversations with their co-workers.

RMN4048A

*RMN4048A Temple Transducer

Ultra-Lite Headset

This headset is an ultra-lite behind the head-style headset that features a flexible boom microphone and In-line PTT, and is intended for low to moderate noise environments.

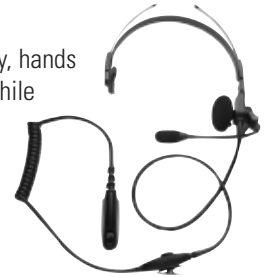***ENMN4012A** Ultra-lite Headset

ENMN4012A

Audio Accessories

Lightweight Headsets

Lightweight headsets allow for high clarity, hands free, discreet two-way communications while adding comfort necessary for extended wear in moderate noiseenvironments.

*AARMN4018B Lightweight Headset with Swivel Boom Microphone with In-Line PTT

*AARMN4031A Lightweight Headset with Swivel Boom Microphone; no In-line PTT
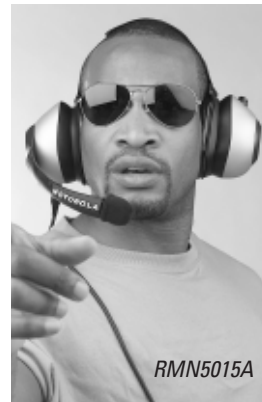
AARMN4018B

*AARMN4017B Ultralite Headset with Boom Microphone, ear bud style receiver

REX4648A Replacement Foam Earpad and Windscreen Kit for AARMN4018A and AARMN4013A

AARMN4017A

Racing Headset

Motorola is the official wireless equipment supplier of CART®, so whether your customers' playing field is a racetrack, construction site or other challenging environment, they can count on this Racing Headset for superior comfort and dependable operation.

*RMN5015A Racing Headset (adapter cable required)

RKN4091A Adapter Cable

RMN5015A

* Intrinsically safe

Audio Accessories

Medium Weight Headsets

Medium weight dual-muff headsets offer high-clarity sound with the additional hearing protection necessary for providing consistent, clear two-way radio communications in harsh, noisy situations.

*AARMN4019A Over the Head with In-Line PTT and Noise Canceling Swivel Boom Microphone; provides 24dB of noise reduction

*AARMN4032A Over the Head with Noise Canceling Swivel Boom Microphone; provides 24dB of noise reduction

RMN4051B Hardhat Mount Headset; Mounts easily to hardhats with slots. Provides 22dB of noise reduction. Requires RKN4097A Adapter cable, hardhat not included

RKN4097A Radio Adapter Cable with In-Line PTT for use with RMN4051A

*ENMN4016A Medium-Duty Behind-the-Head Headset with Swivel Boom Microphone and In-line PTT. Provides 24dB of noise reduction.

RMN4051B

Replacement Items

7580376E34 Replacement Foam Earseals, 1 pair

1580376E32 Replacement Cloth Cover for Earseals, 1 pair

5080548E02 Replacement Windscreen for Boom Microphone

3280376E35 Replacement O-ring for windscreen

Audio Accessories

Tactical Medium Weight Headsets

Same high-clarity sound and additional hearing protection as our standard Medium Weight Headsets while including two microphones on the outside of each earcup which reproduces the ambient sound back into the headset. Harmful sounds are suppressed to a safe level and low sounds are amplified up to 5 times but never more than 82dB. Includes on/off volume control on earcups.

RMN4052A Tactical Headband Style Headset, Grey. Provides 24dB of noise reduction. Requires RKN4097A Adapter cable

RMN4053A Tactical Hardhat Mount Headset; Mounts easily to hardhats with slots. Provides 22dB of noise reduction. Requires RKN4097A Adapter cable, hardhat not included

RMN4052A

RKN4097A Radio Adapter Cable with In-Line PTT for use with RMN4052A and RMN4053A

RLN4923A Two Replacement Earseals for RMN4051A, RMN4052A and RMN4053A

RMN4053A

Heavyduty Headsets

Heavyduty headsets include noise canceling boom 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.

*AARMN4020B Push-To-Talk or Voice Activated Headset with noise canceling boom microphone; noise reduction rating = 24dB

* Intrinsically safe

Miscellaneous

RLN4890A Assistive Turning Knobs. If your job requires you to wear large gloves, or if you have mobility or dexterity limitations, you will appreciate this added feature. Set of two specially designed knobs for volume control and channel changing.

RLN4890A

AAHLN9725C Used with MTX8250•LS radios only Voice Storage Option Board (Field install only)

HLN9820A Accessory Dust Cover

Antennas

Stubby Antennas

Stubby antennas are ideal when the radio is worn on the belt because the short antenna is non-obtrusive.

8505241U06 800/900 MHz
1/2 Wave Stubby 806-942 MHz

8505241U06

Flexible Whip Antenna

Flexible whip antennas have a one-piece finish and steel core for optimal radiation characteristics. Provides more comfort when radio is worn on the belt.

8505241U03 800 MHz 1/2 Wave Whip 806-870 MHz

Batteries

Nickel-Cadmium Premium

Part Number: **HMN9011AR**
Volts: 7.5
Avg. mAh: 1200
Height: 4-13/16˝
Intrinsically Safe: Yes

Part Number: **HMN9012AR**
Volts: 7.5
Avg. mAh: 1300
Height: 4-13/16˝
Intrinsically Safe: No

Nickel Metal Hydride Premium

Part Number: **HNN9008AR**
Volts: 7.5
Avg. mAh: 1500
Height: 4-13/16˝
Intrinsically Safe: No

Part Number: **HNN9009AR**
Volts: 7.5
Avg. mAh: 1900
Height: 4-13/16˝
Intrinsically Safe: No

HNN9008AR

Part Number: **HNN9010AR**
Volts: 7.5
Avg. mAh: 1800
Height: 4-13/16˝
Intrinsically Safe: Yes

Batteries

Nickel Metal Hydride PowerLine

Part Number: **WPNN4045AR**
Volts: 7.5
Avg. mAh: 1200
Height: 4-13/16˝
Intrinsically Safe: No

Lithium-ion Premium

Part Number: **HNN9013CR**
Volts: 7.2
Avg. mAh: 1500
Height: 4-13/16˝
Intrinsically Safe: No

Service Aids

Test Set

Portable test set enables connection to audio/accessory jack. Allows switching from radio testing.

RLN4460C Portable test set, enables connection to audio/accessory jack; allows switching from radio testing

Cables

AARKN4074A HT Series Programming/Test Cable – programming cables require a Radio Interface Box (RIB), also compatible with RLN4460A used for radio testing (Multi-Language Manual)

RKN4073A Used on MTX-LS radios only Cloning Cable (Multi-Language manual)

RKN4074A Programming/Test Cable, Connects Radio to RIB, also compatible with RLN4460 used for radio testing (Multi-Language manual)

RKN4075A Ribless Programming Cable provide interface between computer and radio – not compatible with RIB (Multi-Language manual)

MOTOROLA

Service Aids

Adapters

5885705M02 BNC Adapter, Adapts Radio Antenna Port to BNC Cable Test Equipment

Battery Eliminator

RLN4510A Battery Eliminator, 7.5V Regulator (works with shop battery block 0180305G54)

AA0180305G54 Battery Eliminator Cable, requires RLN4510A – 7.5V

Housing Eliminator

AA8180384F68 Bench Testing Housing Eliminator

Programming Software

Due to licensing requirements, software cannot be ordered through the Motorola web site. At this time, please contact our representative by calling 1-800-422-4210 to place your order.

HVN9025L For MTX-LS Series radios, programs customer features/frequencies (CPS CD-ROM format only)

HVN9067E North American CPS CD; includes Universal Turner, HVN904A (note: includes CD + 68 getting started manual)

H5177P Programming Software (CPS) 3-year subscription; includes HVN9025G and HVN9067A; programming/test cable AARKN4074A

Manuals

0180305J46	Ear Microphone System and Temple Transducer CD-ROM
6880906Z54	Basic service manual
6881088C46	Detailed service manual
6881093C80	MTX850/LS User manual
6881093C81	MTX8250/LS User manual
HHLN4233B	MTX8250/MTX9250 User Manual

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