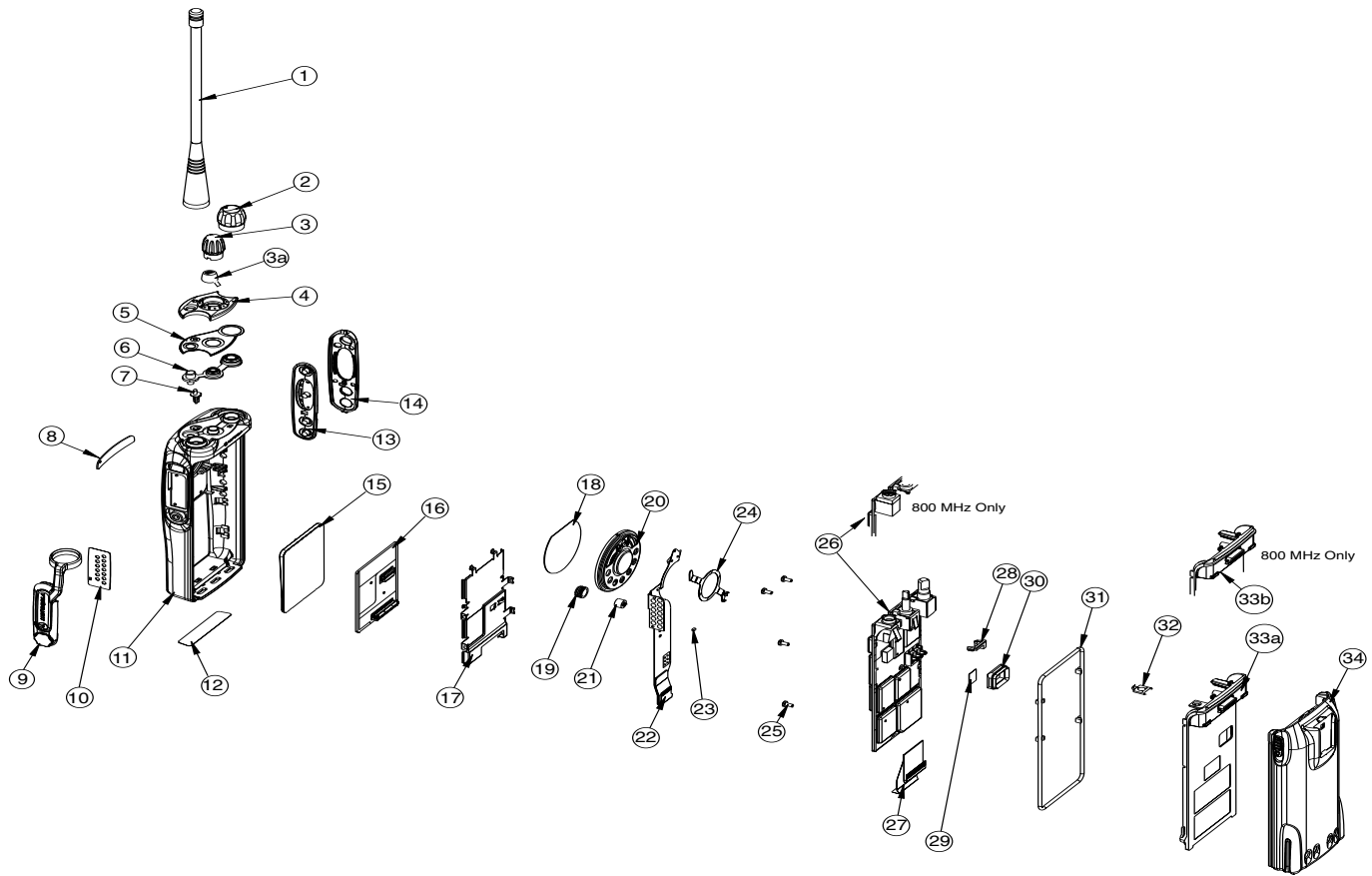


# MTX850/850•LS Series



## Parts List



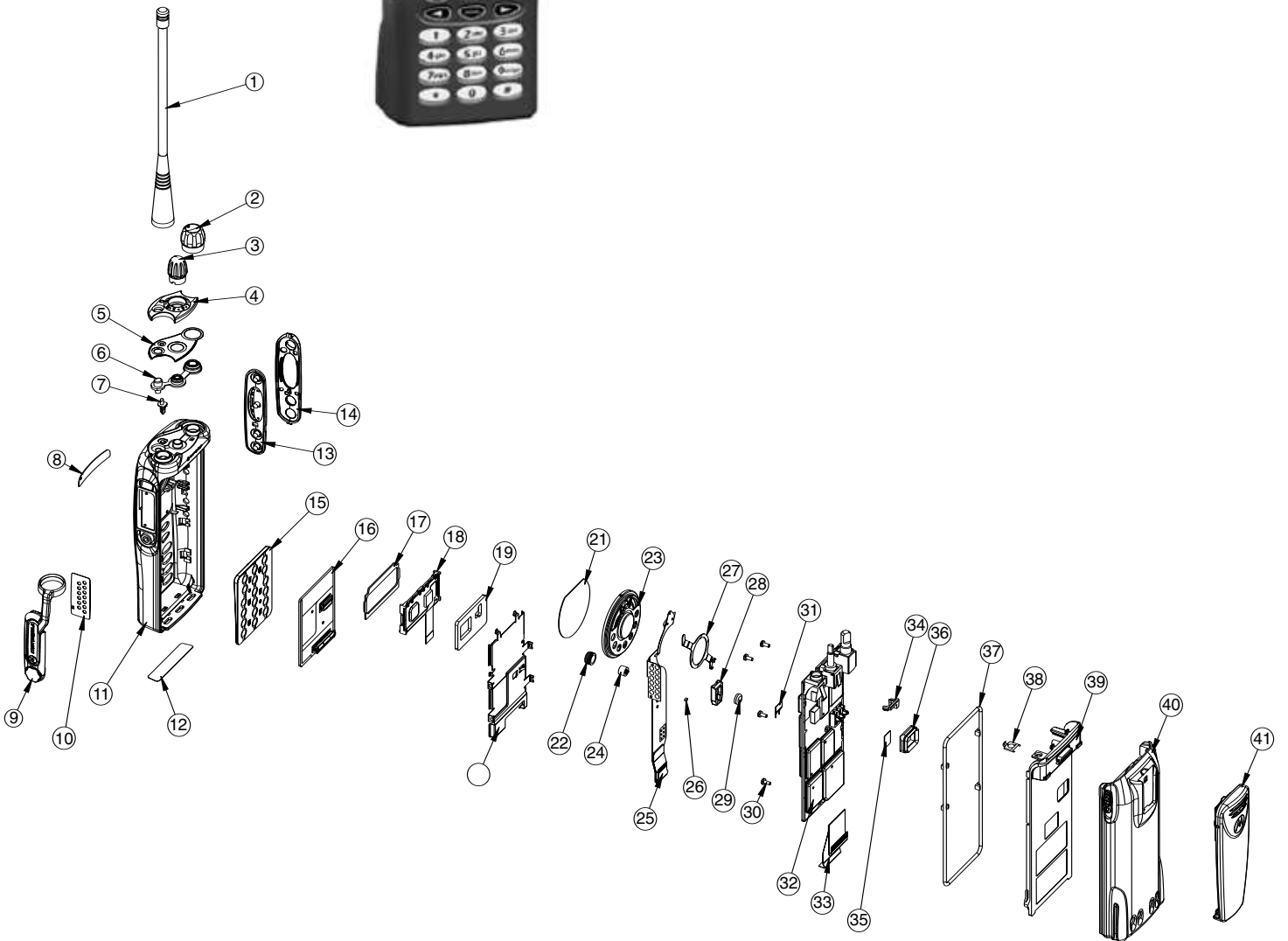
# MTX850/850•LS Series

## Parts List

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

**MTX8250/8250•LS Series**

*Parts List*



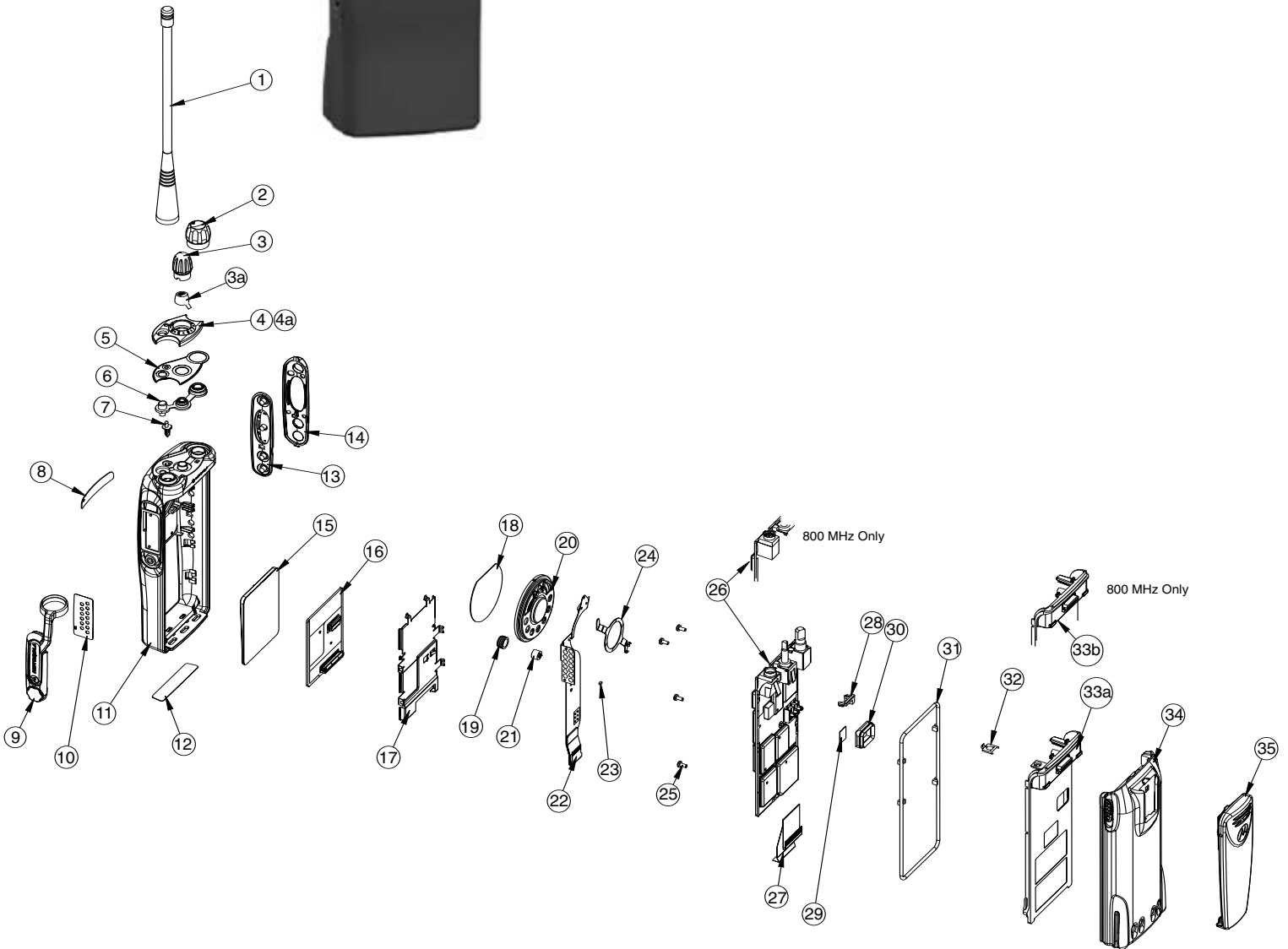
# MTX8250/8250•LS Series

## Parts List

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	----	Antenna	17	<b>7580540Z01</b>	Pad Display
2	<b>3680529Z01</b>	Knob, Volume	18	<b>5104949J05</b>	LCD Module
3	<b>3680530Z01</b>	Knob, Channel Selector	19	<b>7580637Z01</b>	Pad, LCD Back
or	<b>RLN4890</b>	Assistive Turning Knobs (Includes Volume and Channel Knobs)	20	<b>4280498Z01</b>	Retainer, Keypad PCB
4	----	Escutcheon, Top	21	<b>3586057A01</b>	Felt Speaker
	<b>1380525Z01</b>	16 Channel	22	<b>1480577C01</b>	Boot, Microphone
	<b>1380525Z03</b>	Dotted	23	<b>5085962A02</b>	Speaker
5	<b>3380644Z01</b>	Escutcheon, Label	24	<b>5013920A04</b>	Microphone
6	<b>3280533Z01</b>	Seal, Control Top	25	<b>8480549Z01</b>	Flex, Speaker/Microphone
7	<b>6180527Z01</b>	Litepipe, Tx	26	<b>2113740A41</b>	Capacitor, 33pF
8		Nameplate	27	<b>4280504Z01</b>	Retainer, Speaker
	<b>HHLN4217</b>	MTX8250	28	<b>1480503Z01</b>	Boot, Backup Battery
	<b>HHLN4181</b>	MTX8250-LS	29	<b>6062884G01</b>	Backup Battery
9	<b>1586059A01</b>	Dust Cover, Universal Connector	30	<b>0304726J04</b>	Screw
10	<b>1386058A01</b>	Escutcheon, Universal Flex	31	<b>3980667Z01</b>	Contact, Finger
11	<b>1580666Z05</b>	Front Cover – Basic	32	----	Controller/RF Board Assembly
	<b>1580666Z02</b>	Front Cover – DTMF	33	<b>8485615Z02</b>	Flex, Keypad/Controller
12	----	Escutcheon, FM (not field replaceable)	34	<b>1480652Z01</b>	Insulator, Antenna
13	<b>7580532Z01</b>	Keypad, Side Control	35	<b>7580556Z01</b>	Pad, Thermal
14	<b>1380528Z01</b>	Bezel, Side Control	36	<b>3280534Z01</b>	Seal, Contact
15	----	Keypad	37	<b>3280536Z02</b>	Gasket, "O" Ring
	<b>7586065A01</b>	Basic	38	<b>3980698Z01</b>	Contact, Ground, Compliant, VHF
	<b>7586065A02</b>	Full	39	----	Chassis
	<b>7585680Z07</b>	Full, Privacy Plus		<b>2780518Z01</b>	Chassis
16	<b>0104015J14</b>	Keypad, Board Assembly		<b>2780518Z04</b>	800 MHz only
			40	----	Battery (refer to battery section)
			41	<b>HLN9714</b>	Belt Clip

# MTX950 Series

## Parts List



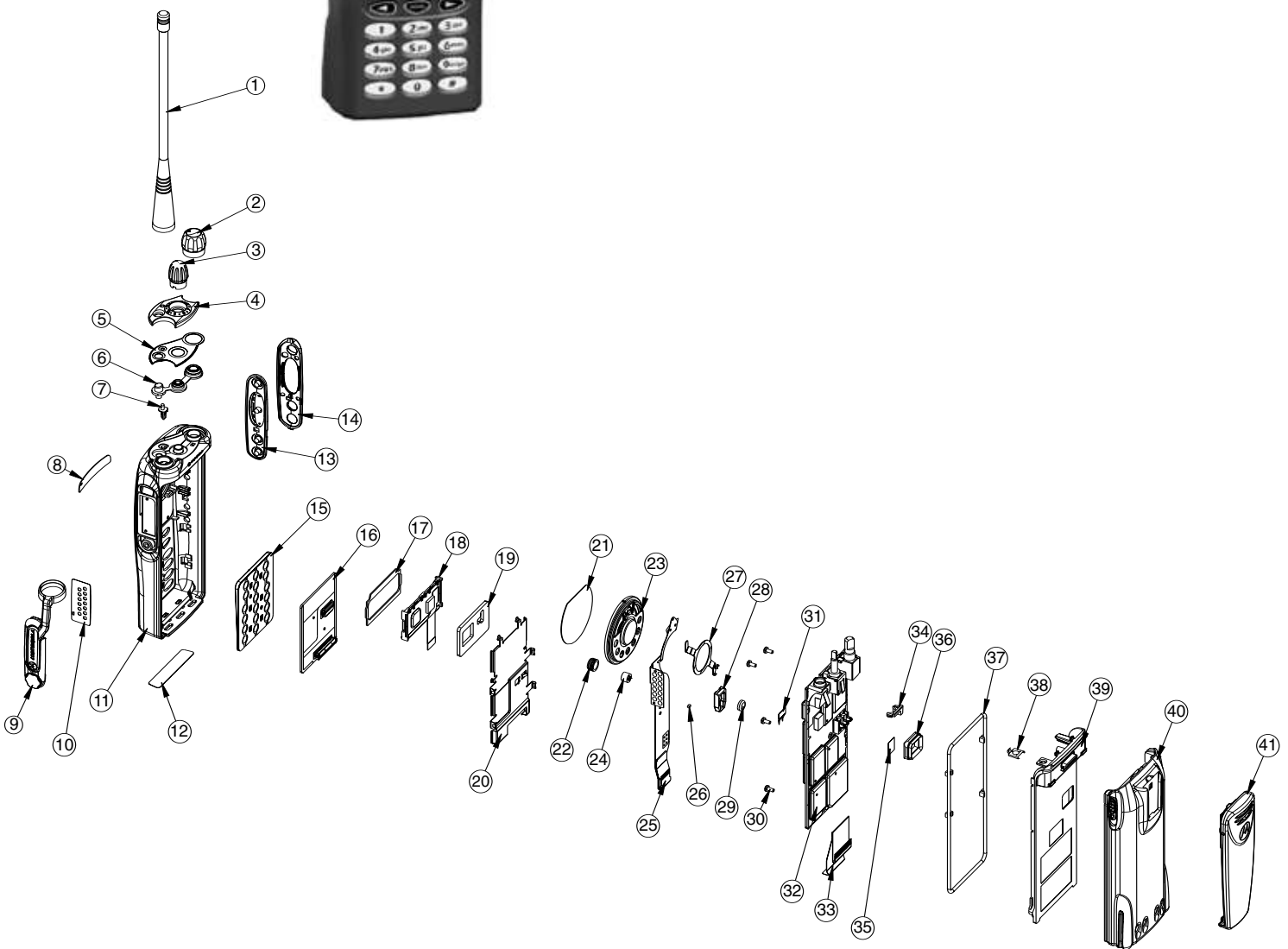
# MTX950 Series

## Parts List

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	----	Antenna	19	<b>1480577C01</b>	Boot, Microphone
2	<b>3680529Z01</b>	Knob, Volume	20	<b>5085738Z01</b>	Speaker
3	<b>3680530Z02</b>	Knob, (FREQ)	21	<b>5013920A04</b>	Microphone, Mini Electret
4	<b>1380525Z01</b>	Escutcheon, Top	22	<b>8480549Z07</b>	Flex, Universal Connector
5	<b>3385681Z01</b>	Label, Escutcheon	23	<b>2113740A41</b>	Cap, Chip Reel CL1 +/-30 33
6	<b>3280533Z03</b>	Seal (Control Top)	24	<b>4280504Z01</b>	Retainer, Speaker
7	<b>6180527Z01</b>	Lightpipe	25	<b>0304726J04</b>	Screw, TORX T-6(M2X4.5)
8	<b>HHLN4218</b>	MTX 950 Nameplate	26	----	Ctrl/ RF Board Assembly
9	<b>HLN9820</b>	Dust Cover	27	<b>8480475Z03</b>	Flex, Controller-Keypad
10	<b>1386058A01</b>	Escutcheon, Universal Connector	28	<b>1485673Z01</b>	Insulator
11	<b>1580666Z03</b>	Cover, Front Assembly Popular Basic	29	<b>7580556Z01</b>	Pad, Thermal
12	----	Escutcheon, FM (not field replaceable)	30	<b>3280534Z01</b>	Seal, Module Battery
13	<b>7580532Z01</b>	Keypad, Side Control	31	<b>3280536Z01</b>	Gasket, O-Ring WARIS
14	<b>1380528Z01</b>	Bezel, Side Control	32	<b>3980698Z01</b>	Contact, Ground
15	<b>7585680Z03</b>	Keypad, (Popular Basic)	33a	<b>2780518Z01</b>	Chassis, WARIS
16	<b>0104007J99</b>	WARIS, Keypad Board	33b	<b>2780518Z03</b>	Chassis
17	<b>4280498Z01</b>	Retainer, Plate	34	----	Battery – Refer to battery section
18	<b>3586057A01</b>	Cloth, Speaker	35	<b>HLN9714</b>	Spring, Belt Clip 2"

**MTX9250 Series**

*Portable  
Accessories*



# MTX9250 Series

## Parts List

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	----	Antenna - Refer to Antenna Section	21	<b>3586057A01</b>	Cloth, Speaker
2	<b>3680529Z01</b>	Knob, Volume	22	<b>1480577C01</b>	Boot, Microphone
3	<b>3680530Z02</b>	Knob, (FREQ)	23	<b>5085738Z01</b>	Speaker
4	<b>1380525Z01</b>	Escutcheon, Top	24	<b>5013920A04</b>	Microphone, Mini Electret
	<b>1380525Z03</b>	Escutcheon, Top	25	<b>8480549Z07</b>	Flex, Universal Connector
5	<b>3385681Z01</b>	Label, Escutcheon	26	<b>2113740A41</b>	Cap, Chip Reel CL1 +/-30 33
6	<b>3280533Z03</b>	Seal (Control Top)	27	<b>4280504Z01</b>	Retainer, Speaker
7	<b>6180527Z01</b>	Lightpipe	28	<b>1480503Z01</b>	Boot, Backup Battery
8	<b>HHLN4219</b>	MTX 9250 Nameplate	29	<b>6062884K01</b>	Battery, Rechargeable Lithium M
9	<b>HLN9820</b>	Dust Cover	30	<b>0304726J04</b>	Screw, TORX T-6(M2X4.5)
10	<b>1386058A01</b>	Escutcheon, Universal Connector	31	<b>3980667Z01</b>	Contact, Finger
11	<b>1580666Z02</b>	Cover, Front Assembly Preferred DTMF	32	----	Ctrl/ RF Board Assembly
12	----	Escutcheon, FM (not field replaceable)	33	<b>8485615Z02</b>	Flex, Controller-Keypad
13	<b>7580532Z01</b>	Keypad, Side Control	34	<b>1485673Z01</b>	Insulator
14	<b>1380528Z01</b>	Bezel, Side Control	35	<b>7580556Z01</b>	Pad, Thermal
15	<b>7585745Z04</b>	Keypad, Prime MPT	36	<b>3280534Z01</b>	Seal, Module Battery
	<b>7585680Z07</b>	Keypad	37	<b>3280536Z02</b>	Gasket, O-Ring WARIS
16	<b>0104007J99</b>	WARIS Keypad Board	38	<b>3980698Z01</b>	Contact, Ground
17	<b>7580540Z01</b>	Pad, LCD Front	39	<b>2780518Z01</b>	Chassis, WARIS
18	<b>5104949J05</b>	WARIS, LCD Display Module		<b>2785737Z02</b>	Chassis, 800MHz Prime
19	<b>7580637Z01</b>	Pad, LCD Back	40	----	Battery – Refer to Battery Section
20	<b>4280498Z01</b>	Retainer, Plate	41	<b>HLN9714</b>	Spring, Belt Clip 2"



## Portable Accessories

### 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 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

**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.

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



RLN4883A

#### 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 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-76345** Adapter Plate

**MTX850/850•LS/8250/8250•LS/950/9250 Series**
**Portable  
Accessories**
**Battery Maintenance System<sup>plus</sup> (BMS<sup>plus</sup>)**

Using interchangeable battery adapters (sold separately), the BMS<sup>plus</sup> 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<sup>plus</sup> 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

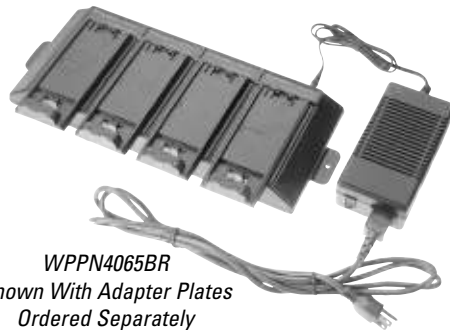
**WPLN4080BR** BMSPlus, Six-Station, 230V AC, 50/60 Hz

**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 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.



**WPPN4065BR**  
Shown With Adapter Plates  
Ordered Separately

**Motorola Conditioning Charger (MCC)**

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

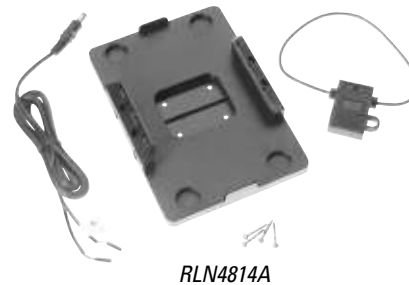
**WPPN4082BR** Adapter Plate Only, 7V (MTX8250 and MTX8250-LS)

**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


**RLN4814A**

**3080384G15**

**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

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

## MTX850/850•LS/8250/8250•LS/950/9250 Series

## Portable Accessories

### 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

**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-away tabs 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.

**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



\* Inherently safe

**MTX850/850•LS/8250/8250•LS/950/9250 Series**
**Portable  
Accessories**
**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



RLN5009A

**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 hygienic way.

**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

**MTX850/850•LS/8250/8250•LS/950/9250 Series**

*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)



ENMN4017A

**Replacement Items**

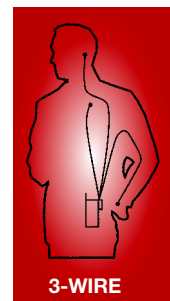
- 5080371E73** Standard Rubber Eartips, Pack of 25, Beige
- 5080371E75** Standard Rubber Eartips, Pack of 25, Black
- 5080369E40** Earloop, Plastic, Beige
- 5080370E92** Earloop, Plastic, Black
- 5880377E06** Plastic Earloop Adapter
- 5080369E38** Standard Earpiece Assembly (includes Earphone, Earloop, and Eartip), Beige
- 5080369E90** Standard Earpiece Assembly (includes Earphone, Earloop, and Eartip), Black



1-WIRE



2-WIRE



3-WIRE

\* Intrinsicly safe

**MTX850/850•LS/8250/8250•LS/950/9250 Series**

**Portable Accessories**

**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 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

**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 comfortable 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**

**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.



NTN8370A

**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

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

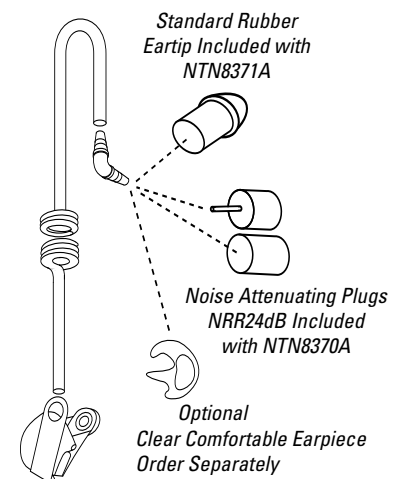


NTN8371A

**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



Acoustic Tube with Earphone

\* Intrinsicly safe

**MTX850/850•LS/8250/8250•LS/950/9250 Series**

*Portable  
Accessories*

**Audio Accessories**

**RLN4760A** Small Custom Earpiece, right ear

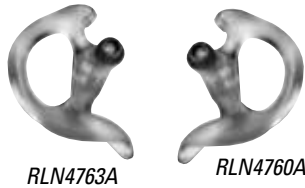
**RLN4763A** Small Custom Earpiece, left ear

**RLN4761A** Medium Custom Earpiece, right ear

**RLN4764A** Medium Custom Earpiece, left ear

**RLN4762A** Large Custom Earpiece, right ear

**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

**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)



**0180300E83**



**0180300E25**

\* Intrinsically safe

## Portable Accessories

### Audio Accessories



RMN4048A

#### 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** 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 noise environments.

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

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



AARMN4018B



AARMN4017A

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

**REX4648A** Replacement Foam Earpad and Windscreen Kit for AARMN4018A and AARMN4013A

#### 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



RMN4053A

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

**RLN4923A** Two Replacement Earseals for RMN4051A, RMN4052A and 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*

**MTX850/850•LS/8250/8250•LS/950/9250 Series****Portable  
Accessories,  
Antennas****Miscellaneous****RLN4890A**

**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.

**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

**MTX850/850•LS/8250/8250•LS/950/9250 Series**

**Batteries,  
Service Aids**

**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

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



*HNN9008AR*

**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)

**MTX850/850•LS/8250/8250•LS/950/9250 Series****Service Aids,  
Manuals****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**

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