

***SP10 Series***

*Parts List*



(Exploded view not available)

**SP10 Series***Parts List*

REF. NO.	PART NO.	DESCRIPTION
	<b>0780471C04</b>	Battery Frame
	<b>1380450D01</b>	VHF Battery Frame Escutcheon
	<b>1380450D02</b>	UHF Battery Frame Escutcheon
	<b>1580657B08</b>	Battery Cover
	<b>1380475C02</b>	Front Label
	<b>1580656B04</b>	Housing (order Speaker Felt and Front Label separately)
	<b>3580666B01</b>	Speaker Felt
	<b>3880502C01</b>	PTT Actuator

REF. NO.	PART NO.	DESCRIPTION
	<b>3880667B01</b>	Accessory Cover
	<b>4580469C02</b>	PTT/Monitor Lever
	<b>5505264T01</b>	Battery Cover Latch
	<b>7580469D01</b>	Monitor Switch Pad (red)
	<b>3680574C01</b>	Volume Control Knob
	<b>5080468C01</b>	Microphone
	<b>5005910P12</b>	Speaker
	<b>0180534D02</b>	B+/B- Contact Assembly

# SP10 Series

## Portable Accessories

### Chargers

#### Chargers

Single unit chargers available in either desktop or compact styles for small system users. Multiple 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.



HTN9026CR

#### Single Unit Chargers, Rapid Rate

**HTN9026CR** Single Unit Charger, 3 Hour Rapid Rate, 120V

**HTN9425B** Single Unit Charger, 3 Hour Rapid Rate, 220V, European plug

**HLN8251A** 3-Hour Vehicular Charger Adapter and Bracket

#### Single Unit Chargers, Standard Rate

**HTN8232A** Wall Charging Adapter, Standard Rate, 120V (18-20 hrs for standard models, and 10 hrs for compact)

**HTN9002A** Wall Charging Adapter, Standard Rate, 220V (18-20 hrs for standard models, and 10 hrs for compact), European plug

**HLN8371A** 10 Hour Desktop Charging Tray, Standard Rate, 120V (requires the use of HTN8232 or HTN9002 shipped standard with all radios)



HLN8371A

#### Charger Conversion Kits

Provides a convenient means for housing from one to six single battery chargers. Each charger operates independently.

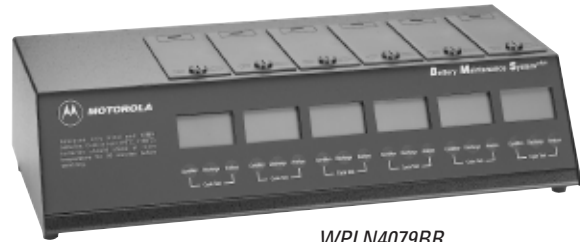
**HTN9295A** Multi-unit Charger Conversion Kit (accommodates up to six HLN8371 or HTN9026, purchased separately)

**HLN9113A** Desktop Charger, Converter Kit (compatible with HLN8371, HTN9026 or HTN9425); when added to your radio, this drop-in charger converter kit allows you to drop the entire radio into a desk top or spare battery charger

### 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 test on batteries; tracking battery voltage and capacity (mAh).

The BMS<sup>plus</sup> 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

#### BMS<sup>plus</sup> Adapter

**TDN9447A** Standard Adapter, SP10

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

# SP10 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 Battery Adapter

**RL-71292** Standard Adapter, SP10

### Carrying Accessories

#### Carrying Cases

A variety of carrying accessories are available for your comfort and convenience. The carrying cases are available in nylon and leather.

**HLN9836A** Nylon Carrying Case with Belt Loop

**HLN9837A** Leather Carrying Case with Belt Clip



HLN9836A

HLN9837A

#### Belt Clips

**PMLN4124A** Replacement Belt Clip

**HLN8255B** 3" Spring Action Belt Clip

#### Belt

**4200865599** 1.75" wide leather belt for all models



HLN9149AR



HLN9974B

#### Swiveller

**HLN9149AR** Swivel Belt Loop Adapter

#### Straps

**HLN9974B** Replacement Strap for carrying cases

#### Chest Pack

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

**1505596Z02** Replacement Strap for HLN6602



HLN6602A

# SP10 Series

## Portable Accessories

### Carrying Accessories

#### Break-a-Way Chest Pack

All of the same features as the original chest pack (HLN6602A) plus break-a-way 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.

**RLN4570A** Break-A-Way Chest Pack



RLN4570A

### Carrying Accessories

#### Remote Speaker Microphones (RSM)

Allow you to talk and listen without removing the radio from the belt, case or charger. Ideal for high noise level environments. This water resistant compact unit has a coiled cord, PTT switch and clothing clip on the back cover.

**HMN9051A** Remote Speaker Microphone



HMN9051A



RLN4815A

#### RadioPAK™

It's different from all other holders or cases: more comfortable, more useful, and more stylish. Worn around the waist, it holds two-way, iDEN portables or cellular phones right at hand. Includes a separate 6"x8" zippered pouch for other on-the-job necessities. Adjustable nylon weave belt; fits both men and women.

**RLN4815A** RadioPAK™ Radio/Utility Case

**4280384F89** Universal RadioPAK™ Belt Lengthener; fits waists larger than 40"

#### Pellet Style Earpieces

Allows the user to receive and transmit communication discretely.

**HMN9004A** Receive-only Earbud (single wire)

**HMN8435A** Earbud with Clip Microphone and PTT (two wire)

**7580372E70** Replacement Foam Ear Cushions (pack of 10)



HMN8435A

#### 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 and provides 24dB of noise reduction

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

**5080384F72** Replacement Foam Plugs – pack of 50 (use with NTN8370), noise reduction rating = 24dB



NTN8370A

NTN8371A



# SP10 Series

## Portable Accessories

### Audio Accessories

#### Surveillance Kits

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



HMN8433A

**HMN8433A** Receive-only Surveillance Kit

**5080371E69** Small Rubber Eartips, pack of 25, Beige

**5080371E73** Standard Rubber Eartips, pack of 25, Beige

**5880377E06** Plastic Earloop Adapter

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

**5080369E40** Earloop, Plastic, Beige



HMN9040A

#### Flexible Ear Receiver

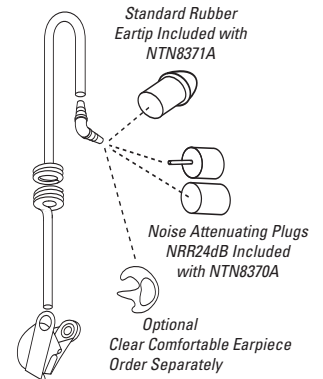
**HMN9040A** Flexible Ear Receiver, receive only (flexible earloop and speaker which rests external to ear)

**7580372E11** Replacement Ear Cushion for HMN9040A

### Audio Accessories

#### 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. There are 3 items needed to make this product work:



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

Acoustic Tube with Earphone

3. Surveillance Kits

**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

#### Completely Discrete Earpiece

Enables users to communicate with ease, in full privacy, without visible equipment. This miniaturized receiver is discretely hidden in ear, where it fits comfortably for long periods at a time. Small as it is, it offers a full range of audio functions including automatic squelch, automatic gain control and noise filtering. Average battery life is approximately 100 hours and includes an end-of-life battery circuit generating a warning signal when the battery needs to be changed. Kit includes wireless receiver plus an inductive neckloop. Just remove the earpiece on any standard 2- or 3-wire Motorola surveillance kit (sold separately) and plug in the neckloop to use. Kit includes 6 spare batteries and 5 replacement ear wax guards.

**RLN4922A** Completely Discrete Earpiece Kit

#### Replacement Items

**RLN4919A** Ear Wax Guards, 5 per pack

**RNN4005A** 1.4 Volt Battery, 6 per pack

# SP10 Series



## Portable Accessories, Antennas

### Audio Accessories

#### Headsets

**BDN6774A** Earpiece with Microphone (worn over ear with streamlined boom microphone)



BDN6774A

**4280376E47** Replacement Over-the-Ear Loop for BDN6774A

**RLN5580A** Ultra-Light Headset with Boom Microphone and In-Line Push-to-Talk (PTT)



RLN5580A



BDN6773A

**BDN6773A** Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone

**BDN6775A** External VOX (voice-activation) Adapter (for use with BDN6773 or BDN6774)

**REX4648A** Replacement Windscreen (for boom microphone) and Foam Ear Pad for BDN6773A

### Portable Antennas

#### Heliflex Antenna

Motorola Heliflex antennas are specifically engineered for maximum output and greatest communication coverage.

#### HAD9338AR

Heliflex, 136-162MHz, 6"

#### 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.

#### NAE6483AR

Flexible Whip, 403-520MHz, 6.5"



NAE6483AR

#### Stubby Antennas

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

**HAD9742A** Stubby, 146-162MHz, 3"

**HAE9001A** Stubby, 462-470MHz, 3"

#### External Antennas

VHF Mag Mount Antennas

**HAD8437A** VHF Magnetic Mount External Antenna, Includes Antenna, Magnetic Mount and HLN8262A

**HAE8438A** UHF Magnetic Mount External Antenna, Includes Antenna, Magnetic Mount and HLN8262A

**HLN8262A** External Antenna Adapter (BNC Connector)



HAE8438A

## SP10 Series



Batteries,  
Service Aids,  
Manuals

### Portable Batteries

#### Nickel-Cadmium Premium

Part Number: **HNN9044AR**

Volts: 7.5

Avg. mAh: 550

Height: 2-3/16"

Intrinsically Safe: No



HNN9044AR

### Service Aids

**HLN3987A** Interference Eliminator, PL Retrofit Kit for Open Squelch Models

**HLN8425A** Operating Instructions/Business Information Kit

**HLN3001A** Service Kit, Contains Service Manual, Removal Tool, Tuning Tool and Extra Color Dots

#### Dot Label Kit

**HLN9029A** Dot Label Kit

#### Tuning Tool

**6680619C01** Tuning Tool

#### Test Set Cable

**RKN4034A** RIB/Radio Test Set Cable

### Manuals

**6880902Z53** Service Manual

**6880903Z55** User Manual





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12/25/2006