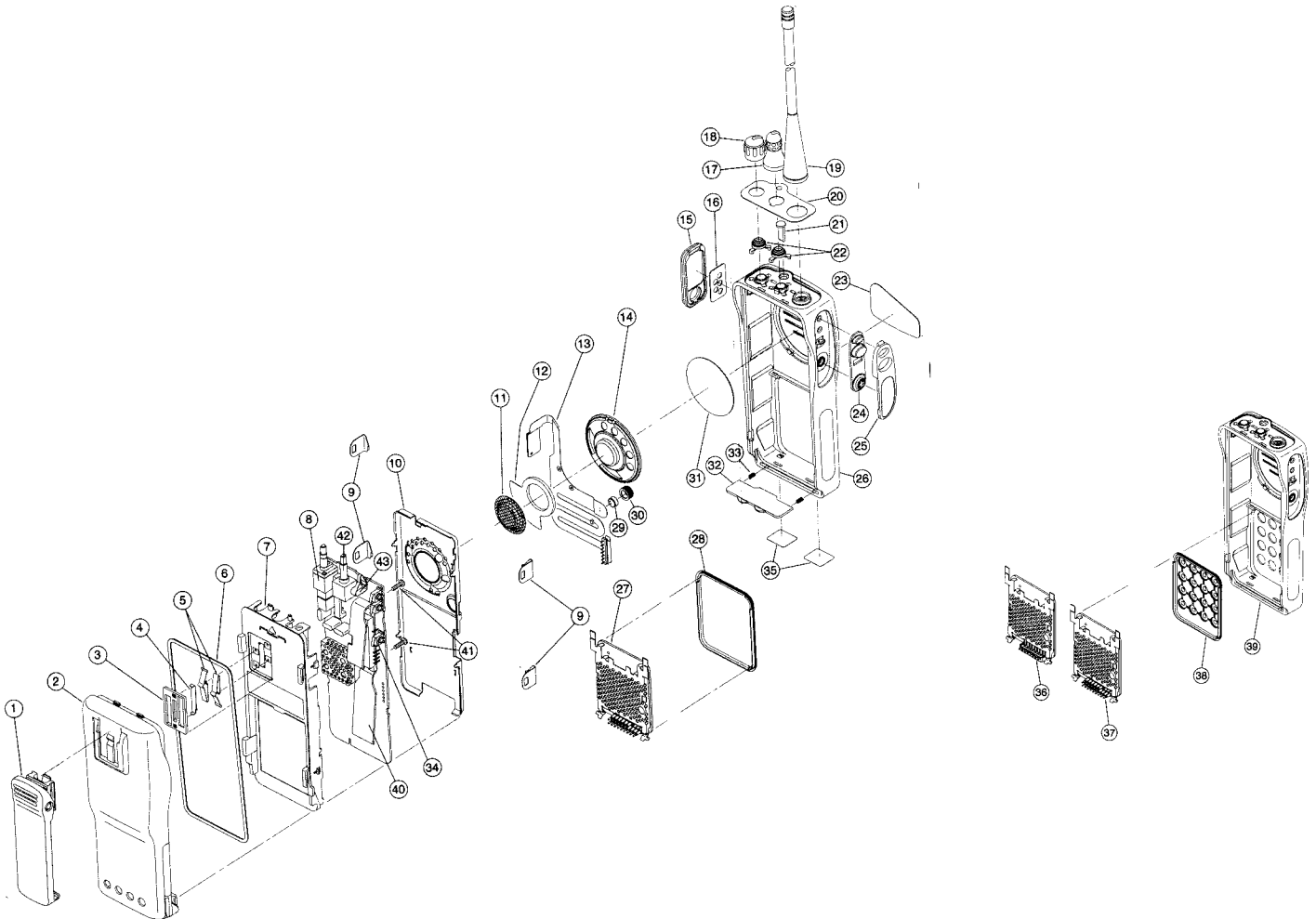


# GP350 Series

## Parts List



# GP350 Series

## Parts List

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	<b>HLN8255B</b>	Clip, Spring Belt	25	<b>1380467E01</b>	Bezel, Push-To-Talk
2	<b>HNN9360B</b>	Battery (See Battery Section)	26	<b>1580450E01</b>	Housing, Radio
	or		27	<b>NTN8313A</b>	Assy, Analog Scrambler (Optional)
	<b>HNN9361A</b>	Battery, FM (See Battery Section)	28	<b>7580575E01</b>	Pad, Option Board
3	<b>1380463E01</b>	Escutcheon, Battery Contact	29	<b>0180416U06</b>	Microphone
4	<b>3980571E01</b>	Contact, Programming	30	<b>1480577C01</b>	Boot, Microphone
5	<b>3980457E01</b>	Contact, Battery	31	<b>3580998Z04</b>	Felt, Speaker
6	<b>3280545C01</b>	Gasket, Chassis	32	<b>5580438B01</b>	Latch, Battery
7	<b>0180708Y67</b>	Chassis	33	<b>4105944K01</b>	Spring, Coil; 2 Used
8	<b>1880143S05</b>	Potentiometer, Volume	34	<b>4080447U05</b>	Switch, Snap (PB401, 2, 3)
9	<b>4280190R04</b>	Clip, Locking; 4 used	35	<b>HLN9480A</b>	Label, FM Intrinsic
10	<b>2680465E01</b>	Shield, Main		or	
11	<b>3980546B02</b>	Contact, Speaker	36	<b>HLN3747A</b>	8 Channel Retro Kit
12	<b>7580506C02</b>	Pad, Speaker	37	<b>NTN8313A</b>	Assy, Analog Scrambler w/DTMF
13	<b>0180416U06</b>	Flex, Speaker/Mic	38	<b>7580470E01</b>	Keypad, 16 Key
14	<b>5005589U05</b>	Speaker	39	<b>1580450E02</b>	Housing, DTMF
15	<b>1580484E01</b>	Cover, Universal	40	<b>4280126S01</b>	Clip, P.A.
16	<b>1380458E01</b>	Escutcheon, Universal	41	<b>0300136783</b>	Screw; 2 Used
17	<b>3680147S07</b>	Knob, Freq. 16 Pos.	42	<b>4080650D01</b>	Switch, Frequency (SW401T)
	<b>3680147S10</b>	Knob, Freq. 2 Pos.	43	<b>3980515C02</b>	Contact, Antenna (J1)
18	<b>3680146S03</b>	Knob, Volume	44	<b>2680958Z04</b>	Shield, Mixer
19	----	Antenna (See Antenna Section)	45	<b>2680968Z04</b>	Shield, VCO, Front
20	<b>1380471E01</b>	Escutcheon, 16 Pos	46	<b>2680970Z04</b>	Shield, Synthesizer, Front
21	<b>6180968Y01</b>	Lightpipe	47	<b>2680136S04</b>	Shield, Harmonic Filter (UHF Only)
22	<b>3280960Y01</b>	Seal, Control; 2 Used	48	<b>2680970Y04</b>	Shield, Synthesizer Rear
23	<b>3380469E01</b>	Label, Name	49	<b>2680966Y04</b>	Shield, VCO Rear
24	<b>7580466E01</b>	Keypad, Push-To-Talk			

**Cancelled Product GP350: Aftermarket support period has been met for spare parts. Items may no longer be available.**

# GP350 Series

## Portable Accessories

### Chargers

Single unit chargers are 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.

#### Single Unit Chargers, Rapid Rate

**HTN9042A** Single Unit Intellicharger, 110V, (90 minute charge time)

**HTN9043A** Single Unit Intellicharger, 220V, European plug (90 minute charge time)

**HTN9044A** Single Unit Intellicharger, 240V, UK plug (90 minute charge time)



HTN9042A

#### Single Unit Chargers, Standard Rate

**HTN9702A** 120V, 10 hour standard rate charger

**HTN9804A** Single Unit Standard Charger, 220V, European plug

**HTN9805A** Single Unit Standard Charger, 240V, UK plug



HTN9702A

### Chargers

#### Multi-Unit Chargers

Multi-unit chargers can charge up to six batteries in approximately one hour and are available in a variety of voltages for domestic and international applications.

**HTN9812C** 240V, 6-unit, 1 Hour Rapid Rate Charger, United Kingdom plug (NiCd only)

**HTN9060A** 120V, 6-unit, 90 Minute Rapid Rate Charger (NiCd and NiMH)

**HTN9061A** 220V, 6-unit, 90 Minute Rapid Rate Charger, European plug (NiCd and NiMH)

**HLN9944A** Wall Mounting Bracket for multiple unit chargers

**HLN9293A** Wall Mounting Bracket for 90 minute multi-unit charger (Use with HTN9060 and HLN9061)

#### Travel Charger Kit

Travel charger kit includes a cigarette lighter adapter attached to a rapid charger and mounting bracket. Allows radio to be used while it is charging.



RLN4833A

#### RLN4833A

Travel Charger Kit

#### Charger Conversion Kit

**HLN9113** Desktop Charger Converter Kit. Compatible with HLN8371, HTN9026 or HTN9042. Allows you to drop entire radio into desktop or spare battery charger.

#### Vehicular Battery Eliminator

The battery eliminator saves useful battery life by drawing power from a vehicle's battery. Simply replace the portable battery with the battery eliminator and plug in the cigarette lighter adapter.

**HLN9452A** Battery Eliminator, vehicular

## GP350 Series

## Portable Accessories

### Motorola Conditioning Charger (MCC)

The MCC will help extend battery life and enhance battery operation. It will safely condition and charge your specified Nickel Cadmium (NiCd) and Nickel Metal Hydride (NiMH) batteries in approximately an hour.

**WPPN4002BR** Base Charge Unit Only, 110V AC

**WPPN4006AR** Base Charge Unit Only, 220V AC

**WPPN4007BR** Adapter Only, 7V

**WPLN4095BR** Motorola Conditioning Charger Kit, 220V AC (includes base unit and 7V adapter)

**RLN4814A** Vehicular Mounting Bracket for single unit Motorola Conditioning Charger

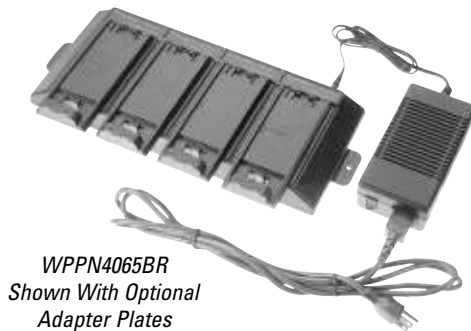
**3080384M21** DC Hard Wire Cable, for vehicular installation (included in RLN4814A)

**3080384G15** Cigarette Lighter Adapter

**WPPN4065BR** Four-Station Base, 110V (order adapter plates separately)



3080384G15



WPPN4065BR  
Shown With Optional  
Adapter Plates

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

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

**NDN4005B** Three-Station, 110V AC, 50/60 Hz

**NDN4006B** Three-Station, 230V AC, 50/60 Hz

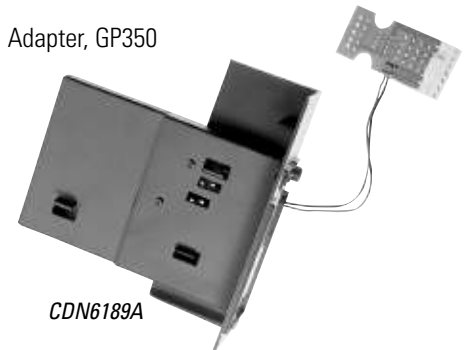
**WPPN4085AR** BMS Field Upgrade Kit — Allows units to support Li-ion batteries. For use with WPLN4079AR, WPLN4080AR and WPLN4081AR.



WPLN4079BR

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

**CDN6189A** Standard Adapter, GP350



CDN6189A

**RKN4037A** Cable/Clip Lead 7.5V Adapter

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

# GP350 Series

## Portable Accessories

### Battery Optimizing System II (BOS II)



WPLN4124AR

No other battery analyzer matches the speed, accuracy, and versatility of the Battery Optimizing System II. Ideal for large fleet, public safety, and all other users who rely on their battery performance. Now with increased power, more sophisticated programming options, and easier to use navigation paths, optimizing your batteries was never easier. Key features include:

- Support for NiCd, NiMH, Li-ion, and SLA batteries
- 100 watt power supply and programmable from 100 mA to 4 amps per station
- Interchangeable adapters accommodate all major brands
- Includes a variety of user programs and allows for customizable programming
- Proprietary recondition cycle restores NiCd and NiMH batteries
- Increased processing power and testing resolution – including a three minute Quicktest that measures the batteries State of Health (SoH)
- Printer output for reports and labels
- Three year warranty

**WPLN4124AR** BOS II, Four-Station, 100-240V AC (US line cord)

**WPLN4125AR** BOS II, Four-Station, 100-240V AC (UK/Euro line cords)

### BOS II Adapter

**RL-71883** Standard Adapter (GP300, LTS2000 and GTX/GTX LTR)

### Vehicular Charger



HLN9719A

**HLN9719A** Vehicular Charger Adapter/Bracket, 12V (for use with rapid rate chargers HTN9630, HTN9802, HTN9803, HTN9167, HTN9168, HTN9169, HTN9042, HTN9043, or HTN9044)

### 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.

#### DTMF Carrying Cases

**HLN9418A** DTMF Standard Leather Carrying Case with Swivel

**HLN9420A** DTMF Standard Leather Carrying Case with Belt Loop

**HLN9417A** Standard Leather Carrying Case with Belt Loop and D-Rings (for use with shoulder strap)



HLN9417A



HLN9323A

**HLN9323A** Standard Leather Carrying Case with Swivel

#### Nylon Carrying Cases

**HLN9416A** Nylon Carrying Case with Belt Loop

#### Carrying Case Accessories

##### Belt Clip

**HLN8255B** 3" Spring Action Belt Clip

##### Belt

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



HLN9416A

##### Swivel Belt Loops

**NTN8039B** Replacement Swivel Belt Loop, 2-1/2" (used with **HLN9323** and **HLN9418** carry cases)

**NTN8040B** Replacement Swivel Belt Loop, 3"

##### Straps

**HLN9973A** Replacement Strap for nylon and leather carrying cases

**HLN9974B** Replacement Strap for carrying cases



HLN9974B

# GP350 Series

## Portable Accessories

### Carrying Accessories

#### Waterproof Bag

**HLN9985B** Waterproof Bag, includes large carrying strap



HLN6602A

#### Chestpack

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

**1505596Z02** Replacement Strap for HLN6602A

#### 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 safety is a concern.

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



RLN4570A

### Carrying Accessories

#### RadioPAK™



RLN4815A

**RLN4815A** Universal RadioPAK™ with Radio Holder. Worn around waist with adjustable belt. Includes attached 6" by 8" zippered pouch for other job necessities.

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

#### Vehicular Holder

The vehicular radio holder slides over and hangs from the door panel in a vehicle. The radio's belt clip slides onto the portable hanger allowing convenient, easy mounting. Two sizes are available to fit door panels.

**TDN9327A** Portable Radio Hanger for door panels up to 2.75"

**TDN9373A** Portable Radio Hanger for door panels up to 3.25"



TDN9373A

#### Miscellaneous Carrying Accessories

**RLN4943A** Universal Holder with Gooseneck Bracket provides flexible mounting solutions for portable radios

**RLN4945A** Universal Holder with Gooseneck Bracket and Wheelchair Quick Release Assembly



# GP350 Series

## Portable Accessories

### Audio Accessories

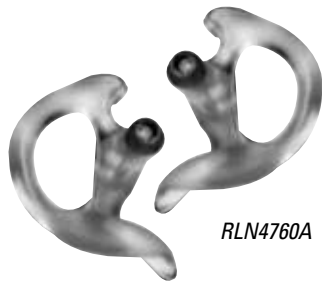
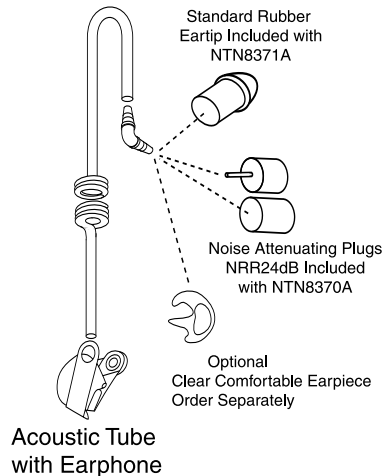
#### Clear Comfortable Earpiece

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. 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



RLN4763A

RLN4760A

**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

### Audio Accessories

#### Lightweight Headset

**\*HMN9046A** Lightweight Single Muff, Adjustable Headset with Swivel Boom Microphone

**HMN9013A** Lightweight Single Muff, Adjustable Headset with Swivel Boom Microphone. Requires HLN9482A audio adapter

**REX4648A** Replacement Windscreen for Boom Microphones and Foam Earpad for Lightweight Headsets. Requires HLN9482A audio adapter



HMN9046A

#### Remote Speaker Microphone (RSM)

Allows 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 back cover.

**\*HMN9031A** Remote Speaker Microphone with Coiled Cord and Clip Back

**HKN9096A** Replacement Coil Cord for HMN9031A



HMN9031A

\* Intrinsically safe

# GP350 Series

## Portable Accessories

### Audio Accessories

#### MicJackets

The MicJackets provide protection to the “head” of the remote speaker microphone. MicJackets are ideal for environments where the user's remote speaker microphone is exposed to dust, dirt, and metal particles.

**RLN4904A** MicJacket Kit (Compatible with HMN9031A)

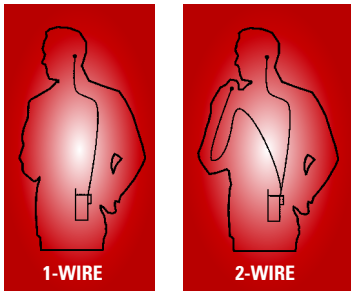
#### Surveillance Kits

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

**HMN9042A** Receive-only Surveillance Kit (single-wire)

**HMN9043A** Receive-only Surveillance Kit with volume control (single-wire)

**HMN9044A** Two-wire Surveillance Kit with Microphone and Push-To-Talk Combined



#### Earpieces / Accessories

**HMN9047A** Ear Microphone with Voice Activated and Push-to-Talk Interface Module

**HMN9048A** Ear Microphone with Push-to-Talk Interface Module

**0180358B38A** Ring Switch Push-to-Talk for Ear Microphone System (EMS)

**BDN6720A** Flexible Ear Receiver, Black – Earpiece without Volume Control. GP350 requires Audio Adapter HLN9482.

**PMMN4001A** Ultra-Light Earpiece with Boom Microphone and In-Line PTT. GP350 requires Audio Adapter HLN9482.

**RLN5317A** 2-Wire Comfort Earpiece with Combined Microphone and PTT, Beige GP350 requires Audio Adapter HLN9482.

**RLN5318A** 2-Wire Comfort Earpiece with Combined Microphone and PTT, Black GP350 requires Audio Adapter HLN9482.

### Audio Accessories

#### Surveillance Replacement Items

**5080370E97** Standard Rubber Eartips, Pack of 25, Clear

**5880377E06** Plastic Earloop Adapter

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

**5080369E40** Earloop, Plastic, Beige

**5080384F72** Replacement foam plugs; pack of 50 (For use with NTN8370A)

**5080386B90** Ear insert tips; pack of 25

#### 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

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



# GP350 Series

## Portable Accessories

### 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 Earpiece Adapter Kit, includes 2 foam earplugs for loud environments and provides 24dB of noise reduction rating

**NTN8371A** Low Noise Earpiece Adapter 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



NTN8371A

### Audio Accessories

#### Medium Weight Headsets



HMN9021A

**\*HMN9021A** Medium Weight Dual Muff Headset, over the head noise reduction rating = 24dB. Requires Audio Adapter HLN9482. (HLN8096 security clamp recommended; order separately)

**\*HMN9022A** Medium Weight Dual Muff Headset, behind the head (can be worn with helmet); noise reduction rating = 24dB. Requires Audio Adapter HLN9482. (HLN8096 security clamp recommended; order separately)

#### Replacement Parts for HMN9021A and HMN9022A

**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

**3080384L77** Replacement Cable

**4204004K01** Replacement Adjustable Headstrap for HMN9022A, HMN9021A and NMN6259A

**BDN6647G** Medium Weight Single Speaker Headset with Boom Microphone. Requires Audio Adapter HLN9482. (HLN8096 security clamp recommended – order separately-comp with Internal VOX)

**5080371E66** Replacement Earpad for BDN6647

**3580371E59** Replacement Windscreen (for boom microphone) for use with BDN6647



BDN6647G

\* Intrinsically safe

## GP350 Series



## Portable Accessories, Antennas, Kits

### Audio Accessories

#### Light Weight Headsets

**RLN5411A** Ultra-Light Headset, Behind-the-Head with In-Line PTT and Boom Microphone. Requires Audio Adapter HLN9482.

**RLN5238B** NFL® Style Light Weight Headset. Requires Audio Adapter HLN9482.

#### Replacement Earseals for Headsets

**RLN4923B** Includes Two Replacement Snap-In Earseals; recommended replacement interval is once every six months to ensure constant level of attenuation, hygiene and comfort. For RMN4051, RMN4052, RMN4053A, RMN4054A, RMN4055A, RMN4056A and RMN4057A.

#### Heavy Duty Headset

**HMN9050A** Heavy Duty Headset with Noise-cancelling Boom Microphone with Push-To-Talk Button; noise reduction rating = 24 dB

**BDN6648C** Heavy-Duty Headset with Noise-Cancelling Boom Microphone, Behind-the-Head (can be worn with hardhat). Noise Reduction Rating = 24dB. GP350 requires Audio Adapter HLN9482.

#### Miscellaneous Audio Accessories

\***HLN9482A** Audio Accessory Adapter. Adapts all GP300 audio accessories to the GP350.

**RKN4096A** In-Line PTT Adapter Cable for GP350 radios

### Portable Antennas

#### Heliflex Antenna

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

##### **NAD6502AR**

Heliflex, 146-174MHz, 6"

##### **8505816K24**

UHF Heliflex Antenna, Red, Molded, 403-433 MHz

##### **8505816K25**

UHF Heliflex Antenna, Green, Molded, 450-470 MHz

##### **8505816K26**

UHF Heliflex Stubby Antenna, Black, Molded, 470-512 MHz

#### Stubby Antenna

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

##### **HAD9742A**

Stubby, 146-162MHz, 3"

##### **HAD9743A**

Stubby, 162-174MHz, 3"

#### 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, 413-520MHz, 6"

#### Tunable Antenna

##### **HAD9728B**

Tunable Antenna Kit, 136-174 MHz



### Conversion Kit

**HLN9578A** 25kHz to 12.5kHz Conversion Kit for GP350

\* Intrinsicly safe



## GP350 Series



## Portable Batteries, Service Aids

### Portable Batteries

#### Nickel-Cadmium Premium

Part Number: **HNN9360B**

Volts: 7.5

Avg. mAh: 1200

Height: 5-1/2"

Intrinsically Safe: No

Part Number: **HNN9361A**

Volts: 7.5

Avg. mAh: 1000

Height: 5-1/2"

Intrinsically Safe: Yes

### Service Aids

**0380475E01** Replacement Screw  
for HLN9482A

**5885705M02** BNC to RF Adapter  
(for use with GP300 & GP350 models)



5885705M02

#### Cloning Cable

**HKN9755A** Cloning Cable

#### Programming Cable

**HKN9857A** Programming Only Cable

#### Programming Assembly

Program GP350 radios faster, more reliably and with greater efficiency than ever before. Includes banana plugs for power supply and RS232 computer connector.

**RKN4071A** GP350 Programming Assembly

## GP350 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

**RKN4034A** Cable, Connects Radio to Radio Interface Box

**0180357A57** AC Power Pack, 110V

**0180358A56** AC Power Pack, 220V

**3080369B71** 25 Pin PC to RIB Cable

**RLN4438A** 25 Pin F to 9 Pin M Adapter

### Service Aids

#### Radio Service Software

This software enables you to add or reprogram frequencies as your requirements change. Requires Radio Interface Box and proper cables; order separately.

**HVN9128D** Programming Software, includes 3-1/2" diskette, manual, binder, and storage box

### Manuals

**6880904Z07** Service Manual

**6880904Z01** User Guide

**6880904Z09** Radio Service Software (RSS) Manual

**6880904Z02** User Guide, French