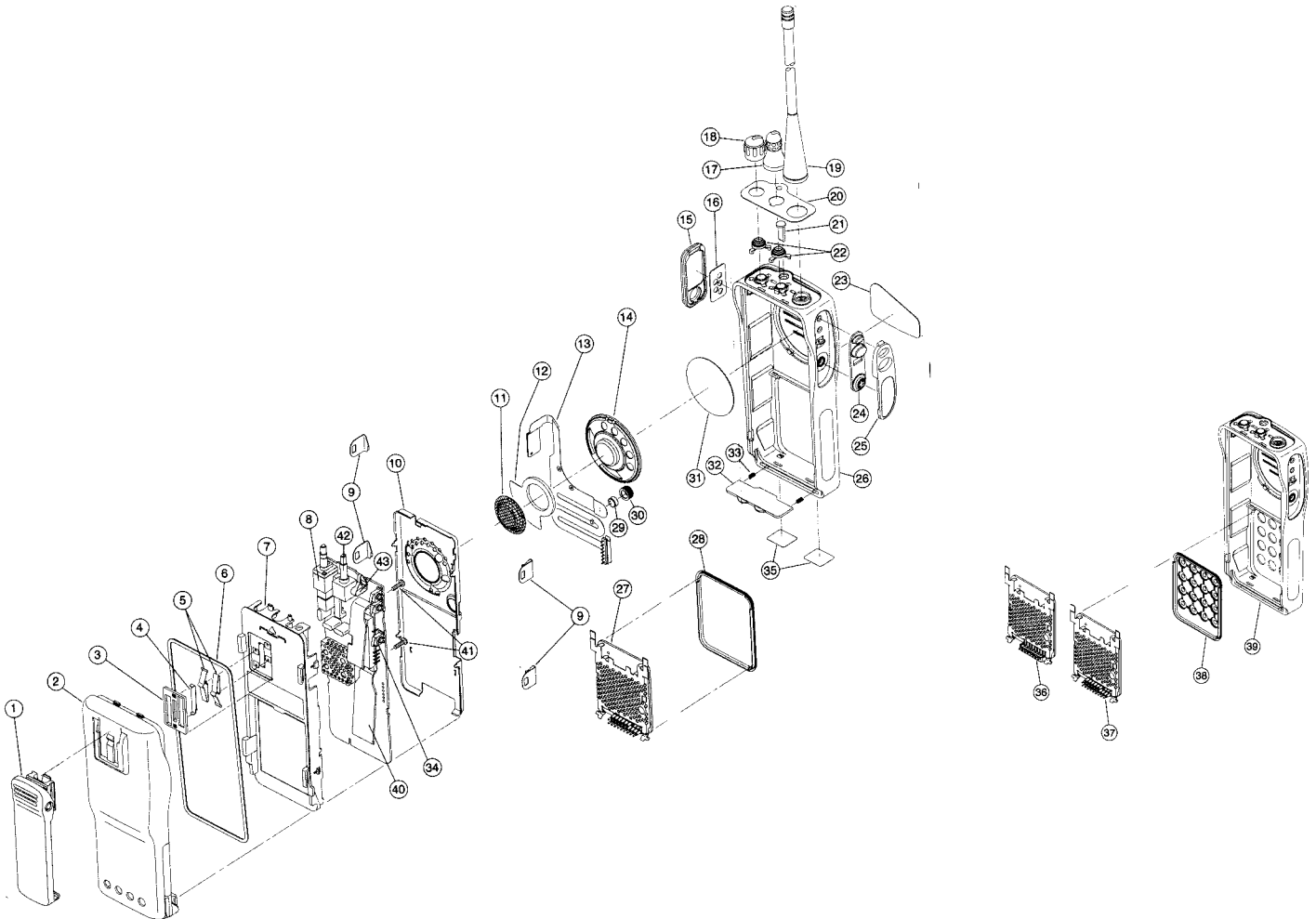


GP350 Series

Parts List



GP350 Series

Parts List

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

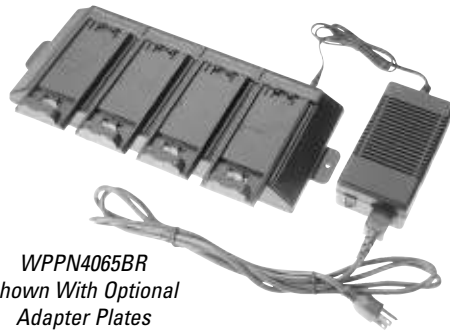
RLN4814A Vehicular Mounting Bracket for single unit Motorola Conditioning Charger

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^{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 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

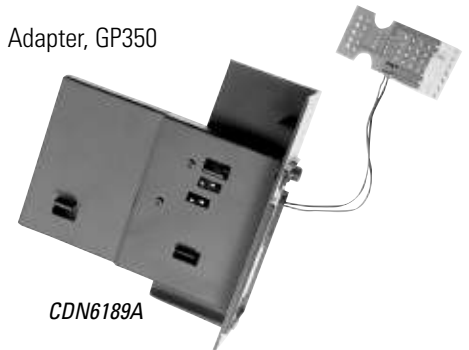
WPPN4085AR BMS Field Upgrade Kit — Allows units to support Li-ion batteries. For use with WPLN4079AR, WPLN4080AR and WPLN4081AR.



WPLN4079BR

BMS^{plus} 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



HLN9974B

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

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

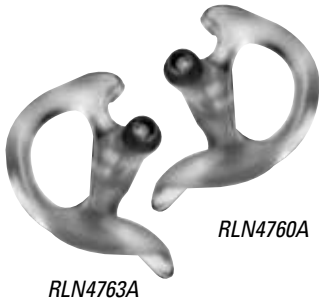
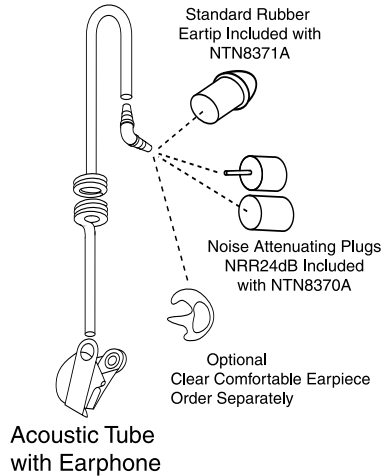
Portable Accessories

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



- 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



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



* 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)

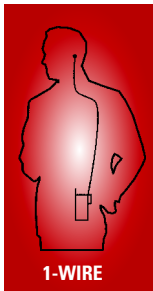
Surveillance Kits

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