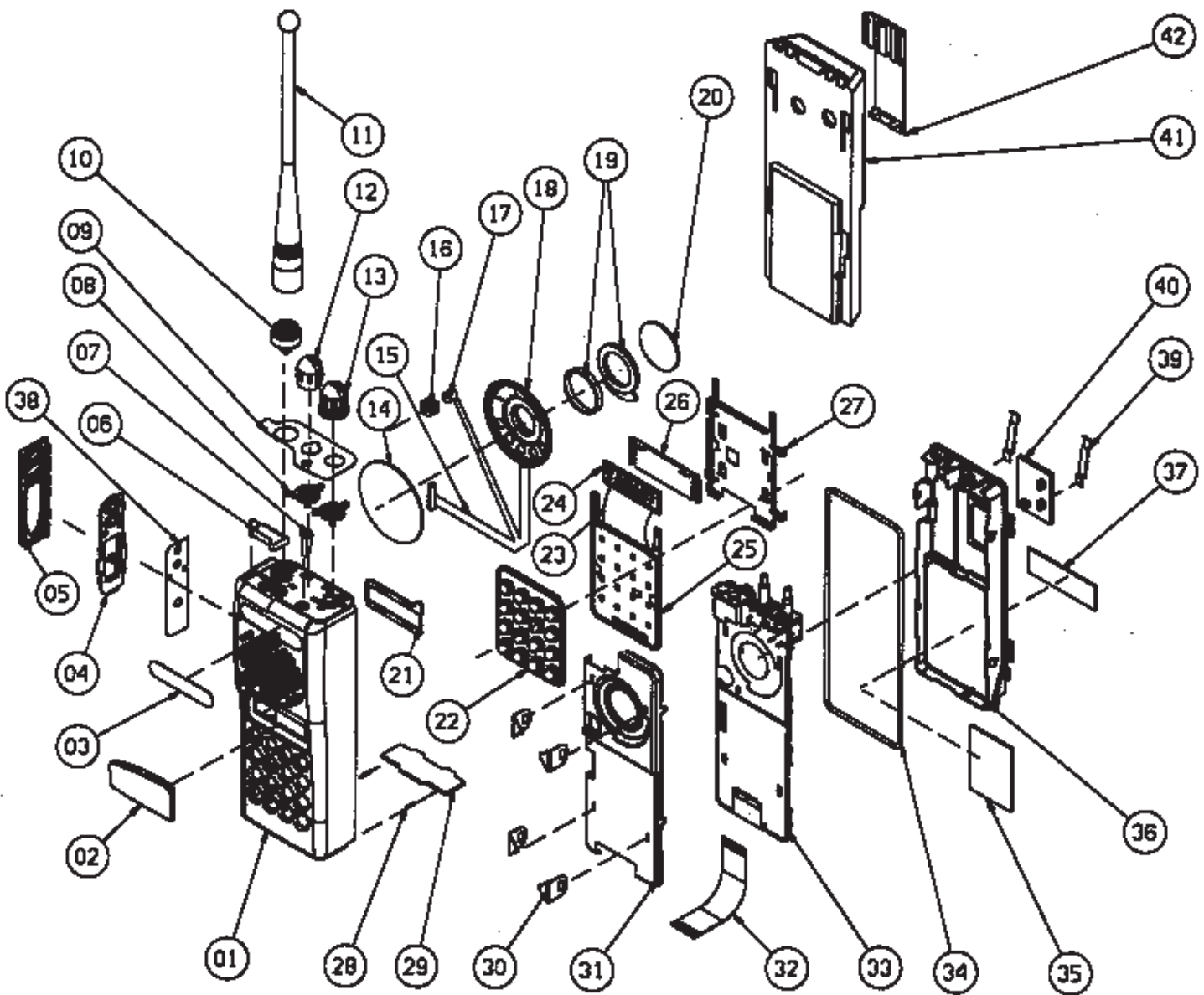


Parts List



Parts List

REF. NO.	PART NO.	DESCRIPTION
1	1580421K01	Front Housing
2	---	LCD cover, part of 1580421K01 (cannot be ordered separately)
4	3286074C01	PTT Keypad
5	1380159S01	PTT Bezel
6	3880428C02	Dust Cap
7	6180687K01	Light Pipe
8	3280960Y01	Seal, 2 used
9	1386080C01	Escutcheon
10	5880636V01	Antenna Adapter
11	8505241U03	Antenna Whip
12	3680448K01	Frequency Knob
13	3680447K01	Volume Knob
14	3580998Z04	Speaker Felt
15	3080560D01	Speaker/Mic Cable
16	1480577C01	Microphone Boot
17	5013920A03	Microphone
18	5005589U05	Speaker
19	7580506C02	Speaker Pad
20	3980546B02	Front-Shield ground Contact
21	7580685K01	Pad
22	7585650L01	Keypad
23*	---	Heat-Sealed Flexible Cable
24*	---	LCD, 7 Segments, 8 Characters, 8 Annunciators

REF. NO.	PART NO.	DESCRIPTION
25	FEN1648DR	Logic Board, Assembled, for GTX
	FEN1656FR	Logic Board, Assembled, for GTX/GTX LTR
26	6180687K01	Light Pipe
27	2680402K01	Logic Board Shield
28	4105944K01	Battery Latch Spring, 2 used
29	5580438B01	Latch
30	4280190R04	Shield Clip, 4 used
31	2680532C01	Front Shield
32	8408051Y01	RF-to-Logic Flexible Circuit
33	FUF5690A	RF Board, Assembled
34	3286063C01	"O" Ring Gasket
35	1480610B01	Chassis Insulator
36	2780549B01	Chassis
37*	---	FCC Label – not available
38	3286074C01	Pad PTT
39	3980188R01	Contact, B+/B–
40	FLN8517A	Battery Filter Board, Assembled
41	HNN9628B	Battery
42	HLN9724A	Standard Belt Clip
	or	
	HLN8255B	Spring Action Belt Clip

* Not field repairable

Portable Accessories

Chargers

Single Unit Chargers – Intellicharge™ Rapid Rate

The single unit Intellicharger utilizes an enhanced charging algorithm that will help maximize the life of your batteries. It will rapid charge both NiCd and NiMH batteries in approximately 1 hour.

HTN9042A Intellicharge Rapid Rate Charger, 110V

HTN9043A Intellicharge Rapid Rate Charger, 220V

HTN9044A Intellicharge Rapid Rate Charger, UK Plug, 240V



HTN9042A

Single Unit Chargers Standard Rate

Single unit standard chargers can charge NiCd batteries in approximately 16 hours.

HTN9702A Single Unit Standard Charger, 110V



HTN9702A

HTN9804A Single Unit Standard Charger, European plug, 220V

HTN9805A Standard Charger, United Kingdom plug, 240V

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.

HTN9748C Multiple Unit, One Hour Rapid Charger, 110V (NiCd only)

HTN9811C Multiple Unit, One Hour Rapid Charger, European plug, 220V (NiCd only)

HTN9812C Multiple Unit, One Hour Rapid Charger, United Kingdom plug, 240V

HTN9060A Multiple Unit, 90 Minute Rapid Charger, 110V (NiCd and NiMH)

HTN9061A Multiple Unit, 90 Minute Rapid Charger, European Plug, 220V (NiCd and NiMH)



HLN9944A

HLN9944A Wall Mounting Bracket for multiple unit chargers

Travel Charger

RLN4833A 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

Travel Charger Mounting Bracket

0780384K84 Universal Mounting Bracket for Travel Charger. Includes screws and nylon cord.

Portable Accessories

Chargers

Travel Charger AC Transformer

Travel charger AC transformer adapts onto the cigarette lighter adapter cord to allow it to be plugged into an AC wall outlet for indoor use

2580600E05 Transformer 120V (US)

2580600E06 Transformer 230V (Euro)

2580600E07 Transformer 230V (U.K.)

2580600E08 Transformer 220V (Argentina)

Vehicular Chargers

This vehicular charger is designed to easily charge your batteries in a vehicle by adapting a single unit, rapid rate charger to the cigarette lighter receptacle. This is ideal when a radio is often used in a vehicle

HLN9719A Vehicular Charger, One Hour, 12V

Vehicular Battery Eliminator



HKN8036B

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.

HKN8036B Vehicular Battery Eliminator

Motorola Conditioning Charger (MCC)

The MCC utilize 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.

WPLN4088CR MCC Kit, 110V AC (includes base unit and 7V adapter)

WPLN4089CR MCC Kit, 220V AC (includes base unit and 7V adapter)

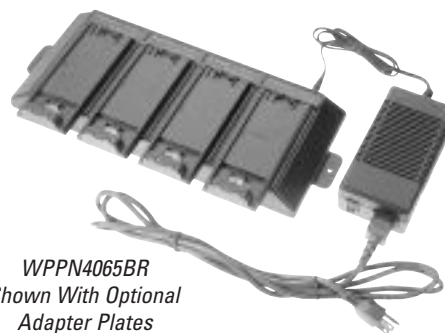
WPPN4002BR Base Charge Unit Only, 110V AC (order adapter plates separately)

WPPN4006AR Base Charge Unit Only, 220V AC (order adapter plates separately)

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



WPPN4002BR
Shown with
Optional Cigarette
Lighter Adapter



WPPN4065BR
Shown With Optional
Adapter Plates

WPPN4005CR Adapter Only, 7V

3080384G15 Cigarette Lighter Adapter Cord

RLN4814A Vehicular Mounting Bracket for single unit Motorola Conditioning Charger

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

GTX/GTX LTR/GTX PrivacyPlus Series

Portable Accessories

Battery Maintenance System^{plus} (BMS^{plus})

Increase the useful life of your batteries using interchangeable battery adapters (sold separately). The BMS^{plus} is capable of charging and discharging, analyzing, conditioning and cycle testing on NiCd, NiMH, Li-ion batteries; tracking battery voltage and capacity (mAh). The BMS^{plus} 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

WPPN4085AR BMS^{plus} field Upgrade Kit for WPLN4079AR, WPLN4080AR and WPLN4081AR; allows these units to support Li-ion battery chemistries

NDN4005B Three-Station, 110V AC 50/60 Hz (does not support Li-ion or 3-cell batteries)

NDN4006B Three-Station, 230V AC 50/60 Hz (does not support Li-ion or 3-cell batteries)

BMS^{plus} Adapter

TDN9437A Adapter, for use with HNN9701A batteries

TDN9662A Adapter, for use with HNN9628A batteries

TDN9438A Adapter, for use with HNN8308A and HNN9808B batteries

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 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

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

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 & battery and permit audio to be heard clearly.

Standard Belt Loop Carry Cases

HLN9428A DTMF Leather Carry Case with Belt Loop for use with Standard Battery

HLN9429A DTMF Leather Carry Case with Belt Loop for use with FM approved 1100 mAh Battery

HLN9431A DTMF Leather Carry Case with Belt Loop for use with FM approved 600 mAh Slim Battery



HLN9428A

High Activity Swivel Carry Cases

The following carry cases have a high activity swivel "D" button and belt loop. To remove case from belt loop, rotate case 180 degrees and slide case upward, out of the holder. Case stays on belt more securely in high activity applications.

HLN9421A DTMF Leather Carry Case with high activity Swivel belt loop for use with standard battery

HLN9426A DTMF Leather Carry Case with high activity Swivel belt loop for use with FM approved 1100 mAh Battery

HLN9427A DTMF Leather Carry Case with high activity Swivel belt loop for use with FM approved 600 mAh Battery



HLN9421A

Carry Holder

HLN9076B Molded Carry Holder (high capacity battery)

HLN8044A Strap for Molded Carry Holder, snap

Carrying Accessories

T-Straps

HLN9975A Strap for DTMF, snap

Belt Clips

HLN9724A Belt Clip, 2-1/2"

HLN8255B Spring action 3" Belt Clip

Belt

4200865599 1.75" wide leather belt for all models

Carrying Strap

NTN5243A Adjustable Black Carrying Strap attaches to "D" ring on case



NTN5243A

Swiveller

TDN1002A Swiveller, includes holster belt and strap

TDN1003A Spare Swiveller Button

HLN9149AR Swivel Belt Loop Adapter for use with HLN9421, HLN9426, HLN9427

Portable Accessories

Carrying Accessories

ChestPack

HLN6602A Universal Chest Pack with Radio Holder and Velcro Secured Pocket

1505596Z02 Replacement Strap for HLN6602A



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 Universal RadioPAK™ with Radio Holder is 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"



Waterproof Bag

HLN9985B Waterproof Bag; includes large carrying strap

Portable Radio Hanger

The portable radio hanger 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 2-3/4"

TDN9373A Portable Radio Hanger for door panels up to 3-1/4"



TDN9327A

GTX/GTX LTR/GTX PrivacyPlus Series

Portable Accessories

Audio Accessories

Remote Speaker Microphone (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.

***HMN9030A** Remote Speaker/Microphone



HMN9030A

RSM Accessories

Epaulet Strap

Black leather epaulet straps secure remote speaker microphones to epaulet of shirts or jackets and attach around cord to back of microphone.

RLN4294A Epaulet Strap, Velcro

RLN4295A Epaulet Strap, small clip



RLN4295A

Surveillance Kits

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



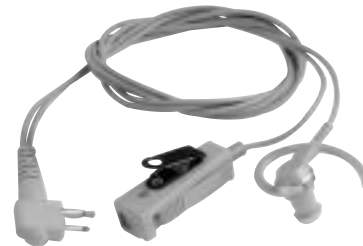
HMN9752B

***HMN9727B** Receive-only Surveillance Kit, Beige (1-Wire)

RLN4894A Receive-only Surveillance Kit, Black (1-Wire)

***HMN9752B** Receive-only Surveillance Kit with Volume Control, Beige (1-Wire)

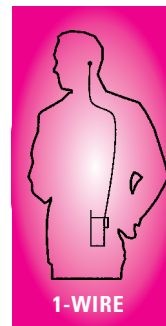
Audio Accessories



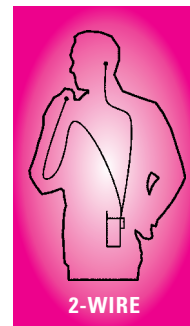
HMN9754DR

***HMN9754D** Surveillance Kit with Microphone and Push-To-Talk Combined, Beige (2-Wire)

RLN4895A Surveillance Kit with Microphone and Push-To-Talk Combined, Black (2-Wire)



1-WIRE



2-WIRE

Replacement Items

5080369E38 Standard Earpiece Assembly, includes earphone, earloop and eartip, Beige

5080370E90 Standard Earpiece Assembly, includes earphone, earloop and eartip, Black

5080369E39 Extra Loud Assembly, includes earphone, earloop and eartip, Beige

5080370E91 Extra Loud Assembly, includes earphone, earloop and eartip, Black

5080369E40 Plastic Urethane Earloop, Beige

5080370E92 Plastic Urethane Earloop, Black

5080371E69 Beige Small Rubber Eartip, Pack of 25

5080371E71 Black Small Rubber Eartip, Pack of 25

5080371E73 Beige Standard Rubber Eartip, Pack of 25

5080371E75 Black Standard Rubber Eartip, Pack of 25

5080377E06 Plastic Eartip Adapter

5080386B90 Ear insert tips, Pack of 25

RLN4919A Ear wax guards, Pack of 5

** Intrinsically safe*

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

RLN4919A Ear Wax Guards, pack of 5

RNN4005A 1.4V Battery, pack of 6

Audio Accessories

Noise Kits

Lightweight translucent tube attaches to Motorola surveillance accessories to provide additional comfort and flexibility. 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 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 (for use with NTN8370A)



NTN8370A



NTN8371A

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

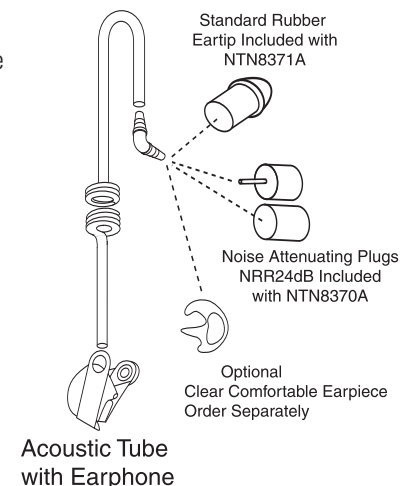
5080371E75 Standard Rubber Eartips, Pack of 25 (for use with NTN8371A), Black

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



Portable Accessories, Antennas

Audio Accessories



RLN4760A

RLN4760A Small Custom Earpiece, right ear

RLN4763A Small Custom Earpiece, left ear



RLN4763A

RLN4761A Medium Custom Earpiece, right ear

RLN4764A Medium Custom Earpiece, left ear

RLN4762A Large Custom Earpiece, right ear

RLN4765A Large Custom Earpiece, left ear

Flexible Ear Receiver

This receive only earpiece contains a flexible earloop and speaker which rests external to the ear.

BDN6720A Flexible Ear Receiver

7580372E11 Replacement Foam Ear Cushion for BDN6720A

Ultralight Headset

***RLN5411A** Lightweight, behind-the-head style design provides comfort and mobility. Includes flexible boom microphone and in-line Push-To-Talk button.



RLN5411A

Lightweight Headset

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

***RMN4016A** Lightweight Single Speaker Headset with Swivel Boom Microphone for right or left ear operation and in-line PTT

REX4648A Replacement Foam Earpad and Windscreen for RMN4016A

Miscellaneous 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

RLN4944A Wheelchair Quick Release Bracket

FLN8660A Accessory Clamp; ensures secure connection for all your radio accessories



RLN4943A

Portable Antennas

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

Flexible Whip, 806-870MHz, 7"

8505241U04

Flexible Whip, 896-941MHz, 7"

Stubby Antenna

This quarterwave stubby antenna is ideal when radio is worn on the belt because the short antenna is non-obtrusive. This is a broad band antenna that can be used for both 800MHz and 900MHz applications.

****8505241U06**

Stubby, 806-941MHz, 4"



8505241U06

* Intrinsically safe

** 8505241U06 is a broad band antenna that operates in the 800/900MHz band



Batteries

Portable Batteries

Nickel-Cadmium Premium

Part Number: **HNN8133C**

Volts: 7.5

Avg. mAh: 1200

Height: 5.5"

Intrinsically Safe: Yes

Part Number: **HNN8308A**

Volts: 7.5

Avg. mAh: 600

Height: 5.5"

Intrinsically Safe: No

Slim: Yes

Part Number: **HNN9628B**

Volts: 7.5

Avg. mAh: 1200

Height: 5.5"

Intrinsically Safe: No



HNN9628B

Portable Batteries

Part Number: **HNN9701A**

Volts: 7.5

Avg. mAh: 1100

Height: 5.5"

Intrinsically Safe: Yes

Part Number: **HNN9808B**

Volts: 7.5

Avg. mAh: 600

Height: 5.5"

Intrinsically Safe: Yes

Slim: Yes

Nickel-Cadmium Power

Part Number: **WPNN4044AR**

Volts: 7.5

Avg. mAh: 1000

Height: 5.5"

Intrinsically Safe: No

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.

RLN4008E Radio Interface Box



RLN4008E

Programming Cable

Connects radio interface box to radio for programming.

HKN9857A Programming/Test Cable



0180357A57

Wall Mounted Power Supply

Used to supply power to radio interface box, RLN4008E

0180357A57 Wall Mounted Power Supply, 110 Volts

0180358A56 Wall Mounted Power Supply, 220 Volts

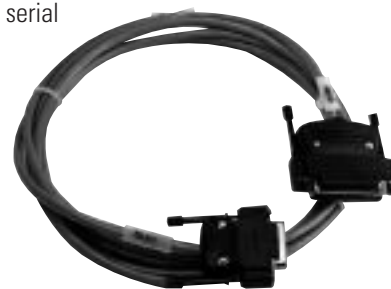
Service Aids

Computer Interface Cable

Used to connect computer's serial port to Radio Interface Box.

3080369B71 Cable, RIB to 25 pin D

3080369B72 Cable, RIB to 9 pin D



3080369B71

Programming Software

Utilizing your personal computer, this software enables you to add/or reprogram frequencies as your requirements change. Requires Radio Interface Box and proper cables, order separately.

RVN4150H Programming Software, 3-1/2" diskette (includes manual and storage box)

Manuals

6802946C80	User Manual, 800 & 900 Privacy Plus
6802945C75	Service Manual, 800 Privacy Plus, LTR
6802948C65	User Manual, 800 & 900 LTR
6802948C90	Service Manual, 900 Privacy Plus, LTR
6802948C70	RSS Manual only

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