



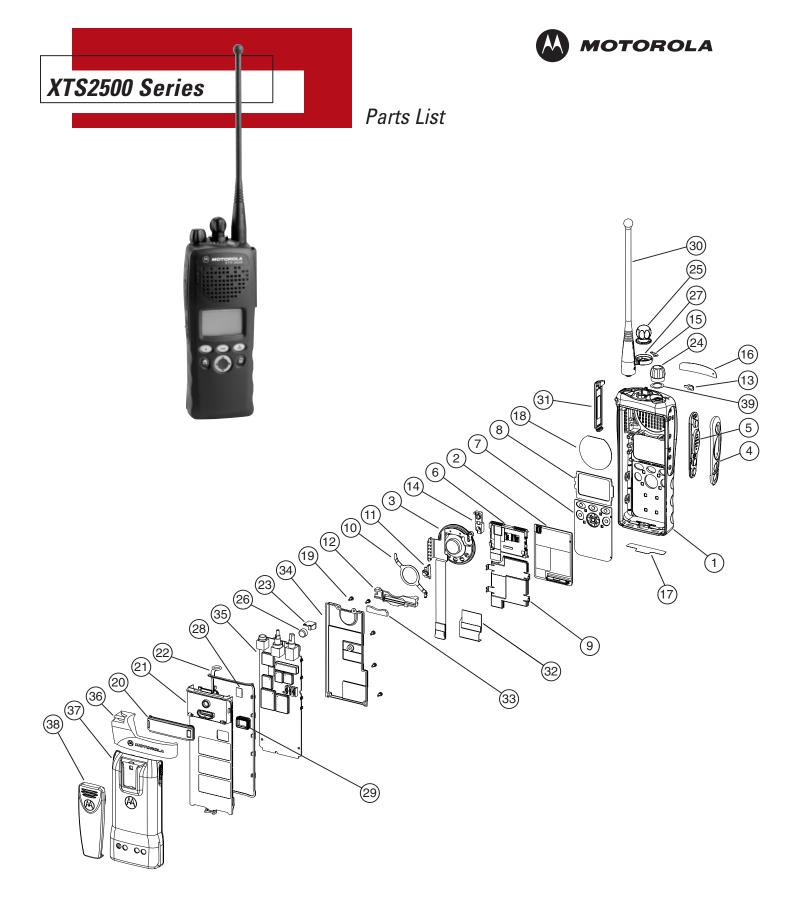


Parts List

Model I

REF.			REF.		
NO.	PART NO.	DESCRIPTION	NO.	PART NO.	DESCRIPTION
1	1585746D01	Cover, Front Assembly Kit	17	4285633D01	Retaining Clip
2	8485939D01	Assembly, Speaker/Microphone/Universal	18	3680529Z01	Knob, Volume
		Connector Flex	19	3685779C01	Knob, Frequency (W/ D- Clip)
3	1385149D01	Bezel, PTT	20	6003710K08	Battery, Backup
4	1385149D01	Keypad, PTT/ Side Controls	21	4585782C01	Lever, Concentric Switch
5	4285446D01	Retainer, Speaker	22	7585382D01	Pad, Thermal
6	4285632D01	Retainer, Microphone Boot	23	3280534Z01	Seal, Contact
7	3585469D01	Microphone Felt	24		Antenna (see antenna page)
8	1485218D01	Boot, Microphone	25	1505579Z01	Dust Cover, Universal Conn.
9	1385855C01	Label, ABC	26	2685785C01	Main Shield
10	3385466D01	Nameplate, Front	27		RF Board
11	3385511D01	Label, Bottom	28	4385665D01	Adaptor, Remote Speaker Mic.
12	3585339D01	Speaker Mesh	29		Battery (see battery page)
13	0385563D01	Screw	30	HLN6853A	Belt Clip 2-1/4"
14	1585405D01	Shroud		HLN9844A	Belt Clip 2"
15	2785889D01	Chassis Cover, Rear	31	0485667D01	Washer, Teflon
16	3285270D01	Seal, Main O- ring			







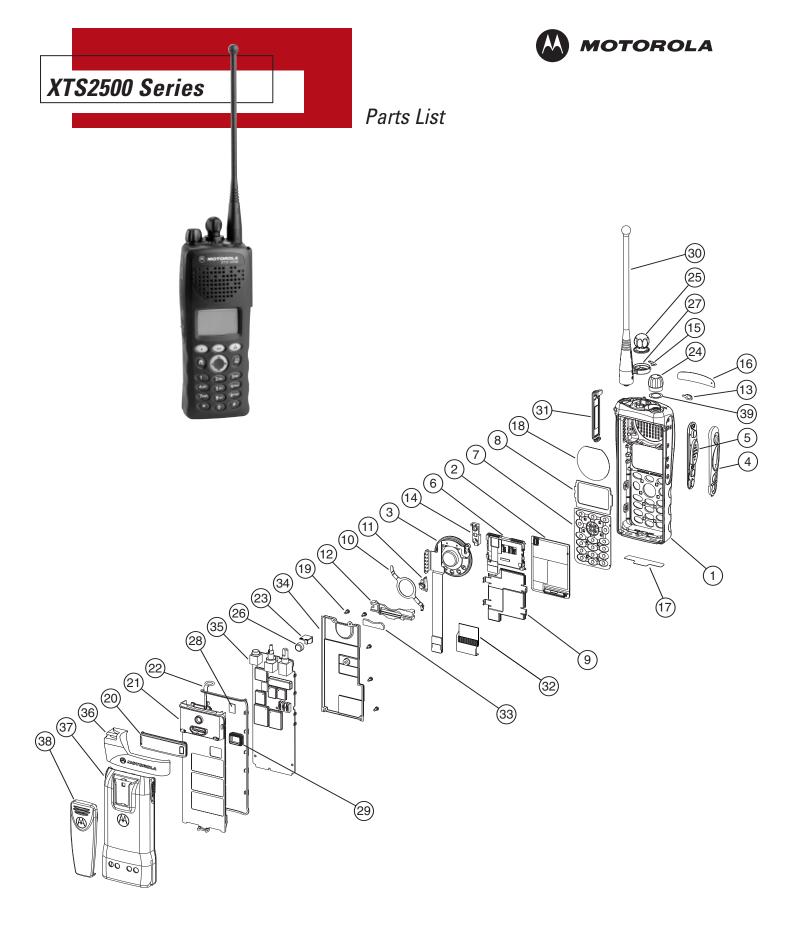


Parts List

Model II

REF.			REF.		
NO.	PART NO.	DESCRIPTION	NO.	PART NO.	DESCRIPTION
1	1585746D02	Cover, Front Assembly Kit	21	2785787C01	Chassis Cover, Rear
2	0185947D01	Board, Model II	22	3285270D01	Seal, Main O- ring
3	8485939D01	Assembly, Speaker/Microphone/Universal	23	4285633D01	Retaining Clip
		Connector Flex	24	3680529Z01	Knob, Volume
4	1385149D01	Bezel, PTT	25	3685779C01	Knob, Frequency (W/ D- Clip)
5	7585959C01	Keypad, PTT/ Side Controls	26	6003710K08	Battery, Backup
6	7285726C01	Display Module	27	4585782C01	Lever, Concentric Switch
7	7585776C02	Keypad, Limited	28	7585382D01	Pad, Thermal
8	7585915C01	Pad, Shock LCD	29	3280534Z01	Seal, Contact
9	4285214D01	Retainer, Keypad	30		Antenna (see antenna page)
10	4285446D01	Retainer, Speaker	31	1505579Z01	Dust Cover, Universal Conn.
11	4285632D01	Retainer, Microphone Boot	32	8485268D01	Board, Jumper Flex
12	4385717D01	Spacer, Plastic	33	7585737D01	Spacer Pad
13	3585469D01	Microphone Felt	34	2685785C01	Main Shield
14	1485218D01	Boot, Microphone	35		RF Board
15	1385855C01	Label, ABC	36	4385665D01	Adaptor, Remote Speaker Mic.
16	3385466D01	Nameplate, Front	37		Battery (see battery page)
17	3385511D01	Label, Bottom	38	HLN6853A	Belt Clip 2-1/4″
18	3585339D01	Speaker Mesh		HLN9844A	Belt Clip 2″
19	0385563D01	Screw	39	0485667D01	Washer, Teflon
20	1585405D01	Shroud			









Parts List

Model III

REF.			REF.		
NO.	PART NO.	DESCRIPTION	NO.	PART NO.	DESCRIPTION
1	1585746D03	Cover, Front Assembly Kit	21	2785889D01	Chassis Cover, Rear
2	0185948D01	Keypad Board, Model III	22	3285270D01	Seal, Main O- ring
3	8485939D01	Assembly, Speaker/Microphone/Universal	23	4285633D01	Retaining Clip
		Connector Flex	24	3680529Z01	Knob, Volume
4	1385149D01	Bezel, PTT	25	3685779C01	Knob, Frequency (W/ D- Clip)
5	7585959C01	Keypad, PTT/ Side Controls	26	6003710K08	Battery, Backup
6	7285726C01	Display Module	27	4585782C01	Lever, Concentric Switch
7	7585776C01	Keypad, Full	28	7585382D01	Pad, Thermal
8	7585915C01	Pad, Shock LCD	29	3280534Z01	Seal, Contact
9	4285214D01	Retainer, Keypad	30		Antenna (see antenna page)
10	4285446D01	Retainer, Speaker	31	1505579Z01	Dust Cover, Universal Conn.
11	4285632D01	Retainer, Microphone Boot	32	8485268D01	Board, Jumper Flex
12	4385717D01	Spacer, Plastic	33	7585737D01	Spacer Pad
13	3585469D01	Microphone Felt	34	2685785C01	Main Shield
14	1485218D01	Boot, Microphone	35		RF Board
15	1385855C01	Label, ABC	36	4385665D01	Adaptor, Remote Speaker Mic.
16	3385466D01	Nameplate, Front	37		Battery (see battery page)
17	3385511D01	Label, Bottom	38	HLN6853A	Belt Clip 2-1/4″
18	3585339D01	Speaker Mesh		HLN9844A	Belt Clip 2″
19	0385563D01	Screw	39	0485667D01	Washer, Teflon
20	1585405D01	Shroud			







Chargers

Single Unit Universal Tri-Chemistry Chargers

Tri-Chem chargers support Nickel Cadmium, Nickel Metal Hydride and Lithium-ion batteries.

NTN1667A Single Unit, universal tri-chem rapid charge, 110V NTN1668A Single Unit, universal tri-chem rapid charge, 220V NTN1669A Single Unit, universal tri-chem rapid charge, 240V

Multi-Unit Chargers



Ideal charger for multi-shift operation or centrally located equipment rooms where spare batteries are always required. They can accommodate up to 6 batteries at once.

NTN1177D Multi-Unit, rapid rate, 110V; supports NiCd and NiMH batteries

NTN1178D Multi-Unit, rapid rate, 220V (not for Lithium-ion) NTN1179D Multi-Unit, rapid rate, 240V (not for Lithium-ion) NLN7967A Wall mount kit for multi unit charger

Motorola Conditioning Charger

The MCC will help extend battery life and enhance battery operation. It will safely condition and charge your specified Nickel Cadmium (NiCd) WPPN4065BR and Nickel Metal Shown With Optional Hydride (NiMH) Adapter Plates batteries in approximately an hour.

WPPN4065BR Multi-Init Conditioning Charger four-station base; 110V (Order adapter plates separately)

WPLN4168AR Motorola Conditioning Charger (MCC) Kit; includes MCC charger base, AC transformer and adapter plate

WPPN4002BR Motorola Conditioning Charger (MCC) 110V AC base charge unit only

WPPN4098AR MCC Adapter Plate for Motorola Conditioning Charger (MCC); compatible with either WPPN4002AR or WPPN4065AR chargers



XTS2500 Series

Portable Accessories

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

WPLN4079BR Six-Station, 110V AC, 50/60 Hz
WPLN4080BR Six-Station, 230V AC, 50/60 Hz
WPPN4097AR XTS2500 Battery Adapter - NiCd & NiMH
NDN4005B Three-station 110V AC, 50/60 Hz
NDN4006B Three-station 230V AC, 50/60 Hz

Battery Optimizing System II (BOS II)



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 accomodate 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 Adpater

RL-79520 Adapter

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







Chargers

impres™ Rapid Rate Charger



The impres rapid-rate tri-chemistry charger supports existing legacy batteries and several radio platforms including Saber, XTS, and HT1000/MTS2000 series portables. Its advanced charging algorithm helps ensure optimal performance from the radio battery and allows batteries to be safely left on the charger (fully charged) for extended periods of time. impres smart batteries are currently under

WPLN4111AR

development for the XTS2500 radio and will provide additional advanced features such as automatic reconditioning, end of service life display, charge resume, to name but a few.

WPLN4111AR impres Rapid Rate Charger

WPLN4108BR impres Multi-Unit Charger

Travel Charger

This compact Travel Charger mounts inside a vehicle for convenient battery charging throughout the workday, helping to assure users that they will never be out of touch due to lack of power. It has a voltageregulated lighter adapter that plugs into the



vehicle's socket, and includes a mounting bracket with nylon strap to hold the Two-way radio in place. Designed to charge batteries on or off the radio; users can use their radio while charging. A maintenance mode keeps batteries charged without damaging heat buildup, and the charging algorithm provides for cool charging of the battery. A recharge mode rapid charges batteries to compensate for capacity loss caused when radios are kept in receive or transmit mode.

RLN4884B Travel charger

Carrying Accessories

Carrying Cases

NNTN4115A High Activity Swivel Leather Carry Case with 3.0" Swivel Belt Loop, T-Strap and "D" Rings

NNTN4116A High Activity Swivel Leather Carry Case with 2.5" Swivel Belt Loop, T-Strap and "D" Rings

NNTN4117A Leather Carry Case with Belt Loop, T-Strap and "D" Rings

NTN7247A Nylon Carry Case with Snap Belt Loop and T-Strap

Belt Clips



HLN6853A 2.25" Spring Action Belt Clip

HLN9844A 2" Removable Belt **Clip Attachment**

HLN9844A

Belt

4200865599 1.75" wide leather belt

Carrying Straps

NTN5243A Adjustable Black Shoulder Carrying Strap, attaches to "D" rings on case

Chest Pack

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

1505596Z02 Replacement Strap for HLN6602



HLN6602A







XTS2500 Series

Portable Accessories

Carrying Accessories



RLN4570A



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**

RadioPAK™

Radio/Utility Case

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"x 8" zippered pouch for other on-the-job necessities. Adjustable nylon weave belt; fits both men and women.

RLN4815A

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

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 2-3/4" to 3-1//4"



Audio Accessories

Remote Speaker Microphones (RSM)



Allows you to talk and listen without removing the radio from the belt, case or charger. Ideal for high noise level environments. These water resistant microphones include: a coiled cord, 3.5mm earjack, swivel clothing clip, and quick disconnect latch.

*NMN6193C Remote Speaker Microphone

*NMN6191C Noise Canceling Remote Speaker Microphone

0104010J46 Replacement Coil Cord Cable Assembly for remote speaker microphones

NMN6193B

RSM and PSM Accessories

Epaulet Strap

Black leather epaulet strap secures remote speaker microphone to epaulet straps on shirt or jacket and accommodates back clip in leather cut-outs. Snap closure secures remote speaker microphone cord to allow reliable communications in hostile high movement applications.

RLN4294A Epaulet Strap, Velcro RLN4295A Epaulet Strap, small clip





RLN4295A







Audio Accessories

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 needs to be ordered separately for EMS to work.**

***BDN6677A** Ear Microphone for standard noise levels (up to 95 dB), black

***BDN6678A** Ear Microphone for Standard Noise Levels (up to 95 dB), beige

***BDN6641A** Ear Microphone for High Noise Levels (up to 105 dB), grey

Interface Modules For EMS

***BDN6708B** Push-To-Talk Interface Module ***BDN6671B** Push-To-Talk and Voice-Activated Interface Module

Optional Accessories for EMS



0180358B38 Remote Push-To-Talk Ring Switch **0180300E83** Remote Push-To-Talk Body Switch

0180300E25 Earguard with Adjustable Loop

BDN6677A

Requires Interface Module

sold separately

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

Audio Accessories

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)

CommPort: Integrated Microphone/Receiver System

The CommPort system conatains a miniature microphone and receiver, and connects to your two way radio, making it possible to hear and speak under the most adverse conditions.



NTN1624A Integrated Ear Microphone/Receiver System with Palm PTT (includes BDN6676D 3.5mm jack adapter)

NTN1625A Integrated Ear Microphone/Receiver System with PTT on radio adapter (includes BDN6676D 3.5mm jack adapter)



Audio Accessories

XTS2500 Series

NTN1663A Integrated Ear Microphone/Receiver System with ring PTT (includes BDN6676D 3.5mm jack adapter)



NTN1736A Integrated Microphone/Receiver System with Snap-on side Push-To-Talk (PTT)

NNTN4186A Integrated Microphone/Receiver System with body PTT

NKN6510A Replacement Palm PTT Cable for NTN1624A

NKN6508A Replacement Cable for NTN1625A

NKN6512A Replacement Ring PTT Cable for NTN1663A

NKN6525A Replacement Snap-on PTT Cable for NTN1736A

NTN8821A CommPort Maintenance Kit; includes replacement ear tubes (quantity 10) windscreens (pack of 2) and microphone seal strips (pack of 10)

NTN8986A Adhesive Pads (pack of 90) for secure attachment to ear

NTN8988A Ear Straps (pack of 10) for secure attachment to ear

RLN5037A Replacement Tubes (pack of 10)

4285838B01 Replacement Collar Clip

4202006A01 Replacement BackCover Clip

Audio Accessories

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 inline 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.

*RMN4049A Temple Transducer









Audio Accessories

Racing Headset for Two-Way Radios



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 for two-way radios (Adapter Cable required)

BDN6673B Adapter Cable for XTS2500, XTS3500 and XTS5000

Medium Weight Headsets

Medium weight headsets offer high-clarity sound with the additional hearing protection necessary for providing consistent, clear two-way radio communications in harsh, noisy situations.

*NMN6258A Medium Weight Headset, over the head with In-Line PTT, noise reduction rating = 24dB NMN6258A

*NMN6259A Medium Weight Headset, behind the head with In-Line PTT, noise reduction rating = 24dB

7580376E34 Replacement Foam Earseals, 1 pair

1580376E32 Replacement Cloth Covers for Earseals,1 pair

5080548E02 Replacement Windscreen for Boom Microphone

3280376E35 Replacement O-ring for Windscreen

4204004K01 Replacement Adjustable Headstrap for NMN6259A



Noise-Canceling Headsets with Boom Microphone

Ideal for two-way communication in extremely noisy environments. Dual-muff tactical headsets include two microphones on the outside of the earcups which reproduce the ambient sound back into the headset. Harmful sounds are suppressed to a safe level and low sounds are amplified up to 5 times the original level, but never more than 82dB(A). Includes on/off volume control on earcups and 3-foot curly cord. Easily replaceable earseals are filled with liquid and foam combination to provide excellent sealing and comfort. Requires separate in-line PTT adapter cable RKN4095A. Hardhat not included.

RMN4052A Tactical Headband Style Headset, grey; noise reduction rating of 24dB





RMN4052A

RMN4053A Tactical Hardhat Mount Headset, grey; noise reduction rating of 22dB

RMN4053A

Hardhat Mount Headset with Noise-Canceling Boom Microphone

Ideal for two-way communication in high-noise environments; mounts easily to hardhats with slots, excellent noise reduction of 22dB. Easily replaceable earseals are filled with liquid and foam combination to provide excellent sealing and comfort. 3-foot curly cord assembly. Requires separate in-line PTT adapter cable RKN4095A. Hardhat not included.



RMN4051A Two-Way Hardhat Mount Headset, black

Adapter Cables

RKN4095A In-Line PTT Adapter Cable. For use with RMN4051, RMN4052, and RMN4053.







Batteries

Audio Accessories

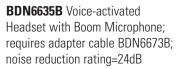
Heavyduty Headsets

Heavyduty headsets include noise-cancelling 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. The VOX module is contained within the headset on voice activated units. Heavyduty headsets require radio adapter cable BDN6673B to be ordered separately.



BDN6645A

*BDN6645A Push-To-Talk Headset with Boom Microphone; requires adapter cable BDN6673B; noise reduction rating=24dB





BDN6635B



BDN6636B

*BDN6636B Voice-activated Headset with Throat Microphone; requires adapter cable BDN6673B; noise reduction rating=24dB

*BDN6673B Radio Adapter Cable

Batteries

Nickel-Cadmium Premium

Part Number: NTN9815AR Volts: 7.5 Avg mAh: 1525 Height: 4-13/16" Intrinsically Safe: No

Part Number: NTN9816AR Volts: 7.5 Avg mAh: 1525 Height: 4-13/16" Intrinsically Safe: Yes

Nickel Metal Hydride Premium

Part Number: NTN9858AR Volts: 7.5 Avg mAh: 1800 Height: 4-13/16" Intrinsically Safe: No

Part Number: NTN9857AR Volts: 7.5 Avg mAh: 1800 Height: 4-13/16" Intrinsically Safe: Yes







Antennas, Service Tools

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, 1/2 Wavelength, 806-870MHz, 7^{*r*}

8505241U11 Flexible Whip, Dual Band, 700-800MHz

Dipole Antennas

Dipole molded antennas are injection molded in lasting polyurethane. The wide skirt at the bottom of the connector protects against damaging environmental elements. The dipole antenna is ideal when strong and solid signal clarity is demanded.

NAF4000B Dipole, 806-870MHz, 8"

Stubby Antenna

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

8505241U06 Stubby, 806-941MHz, 4"; is a broad band antenna that operates in the 800/900MHz band

NAF4000B

Service Tools

Battery Eliminator

The Battery Eliminator acts like a battery with a cable to access a DC external power supply.

REX4424A Battery Eliminator

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 Radio Interface Box



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

8505241U06





Service Aids, Manuals

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



Radio Test and Programming Cable

3080369B71

Used with Portable Radio Test Set, RTX4005B, for transmitter, receiver alignment and performance checks. Also used in programming radio.

RKN4035D Radio Test and Programming Cable

Programming Cable

RKN4105A Programming Cable, USB, XTS2500 **RKN4106A** Programming Cable, RS232, XTS2500

Test Box

Portable test set, enables connection to audio/accessory jack. Allows switching from radio testing.

RLN4460C Test Box

Probes

RTL4208A RF Probe, 50 ohm High Frequency

RT-5144/48/0 Needle-Fine Test Probes for High Density Circuitry (Black)

RT-5144/48/2 Needle-Fine Test Probes for High Density Circuitry (Red)

Programming Software

Utilizing your personal computer, this software enables you to add or reprogram frequencies as your requirements change. Requires interface box and appropriate cables, must be ordered separately.

RVN4181H Radio Service Software



Manuals

6881074C70	VHF, UHF, 800MHz CPS Manual
6881094C04	Basic VHF, UHF, 800 MHz Operation/User's Manual
6881094C05	Limited Feature VHF, UHF, 800MHz Operation/User's Manual
6881094C06	Full Feature VHF, UHF, 800 MHz Operation/User's Manual
6881094C09	Basic Service Manual
6881094C10	Detailed Service Manual
0180305J46	Ear Microphone System and Temple Transducer CD-ROM

Over 7 million customers have made MyRadioMall.com America's #1 choice when it comes to dependable and reliable Motorola Communications at fantastic prices.

We are now celebrating our 12th year of online service and the best is yet to come.



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