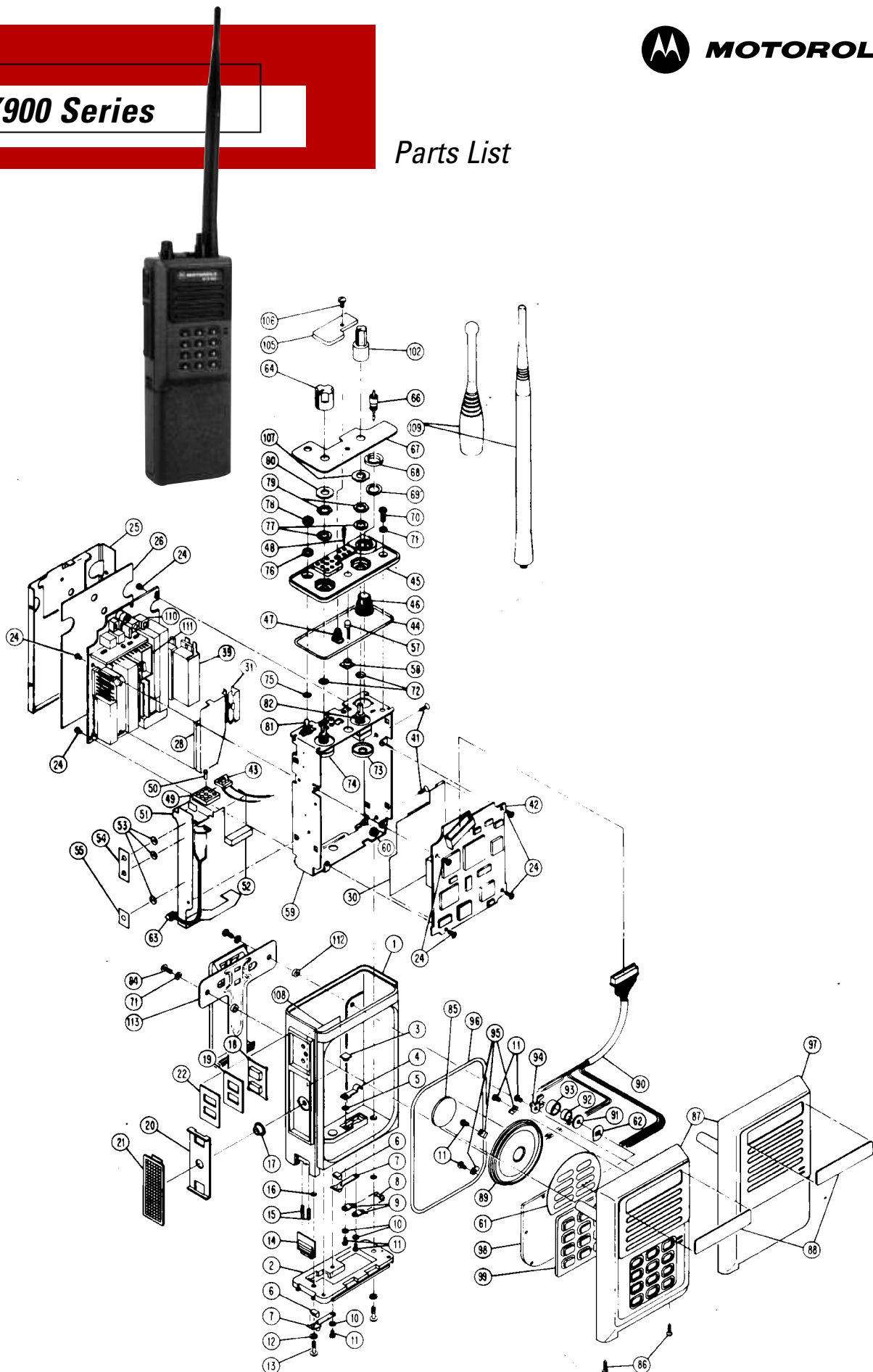


MTX900 Series



Parts List



Replacement parts are no longer available

MTX900 Series*Parts List*

REF.
NO. PART NO. DESCRIPTION

REF.
NO. PART NO. DESCRIPTION

***Cancelled Product MTX900:
Aftermarket support criteria has
been met for spare parts. Items
are longer be available.***

MTX900 Series

Portable Accessories

Chargers

A variety of chargers are available to fit the charging capabilities of your batteries. Choose rapid or regular rate, single, multiple or compact units.

Single Unit

NTN4633C Single Unit, Rapid Rate Charge, 117V

NTN4634B Single Unit, Rapid Rate Charge, 220V

NTN4636A Single Unit, Regular Rate Charge, 220V



NTN4633C



NTN4666B

Compact

NTN4666B Compact, Regular Rate Charge, 117V

NTN4667A Compact, Regular Rate Charge, 220V

Multiple Unit

NTN4668C Multi-Unit Charger, Rapid Rate, 117V

NLN7967A Wall Mount for Six Unit Charger



NTN4668C



NTN5438A

Vehicular Charger

NTN5438A Vehicular Charger 12V DC (16 Hour Charge Rate)

NKN6428A 12V Cable Kit. (Only required if not used with PAC•RT)

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 test on 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 Six-Station, 110V AC, 50/60 Hz

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



WPLN4079BR

BMS^{plus} Adapter

TDN9441A Standard Adapter, MTX-900

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

MTX900 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-71173 Standard Adapter, MTX900

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.

WPPN4009BR 110V AC Base Charge Unit with adapter plate

3080384G15 Cigarette Lighter Adapter Cord

RLN4814A Mounting Bracket for single unit conditioning chargers



WPPN4009BR

MTX900 Series

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.



NTN5460B

Standard

NTN5460B Leather Carrying Case, Spacer and T-Strap, for High or Medium Capacity Batteries (Snap)



NTN5461B

Swivel

NTN5461B Leather Carrying Case with T-Strap, Spacer and Belt Loop, for High or Medium Capacity Batteries (Snap)

NTN5450B Leather DTMF Swivel Long (Snap)



NTN4814C

Belt Clip Carry Holder

NTN4814C Belt Clip Carry Holder

Carrying Accessories

T-Straps

4205386S03 T-Strap, Snap

4205386S01 T-Strap, Velcro

4205447R03 T-Strap for Belt Clip Carry Holder, Snap



4205386S01



4205447R03



HLN6602A

Chest Pack

HLN6602A Universal Chest Pack with Radio Holder and Velcro Secured Pocket

1505596Z02 Replacement Strap for HLN6602A

RadioPAK™

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"

RLN4570A Break-A-Way Chest Pack; all of the same features as the original chest pack (HLN6602A) plus break-a-way tabs that allow that allow the entire pack to be pulled off with approximately 10 lbs of pressure.

MTX900 Series

Portable Accessories

Carrying Accessories

Spacer

4305525R02 Spacer for Carrying Cases



4305525R02

Belt Clips

NTN4916B Belt Clip, 1-1/2"

NTN4924B Belt Clip, 2-1/4"

NTN5602A Public Safety Full 3" Clip Black Aluminum



NTN4916B

Belt Loops

4282421J06 Swivel Belt Loop, 2-1/2"

4205857B01 Swivel Belt Loop, 2"



4282421J06

Button Back Cover Kit

NTN5497A T-Bar Button Back Cover Kit, Black



NTN5497A

Belt

4200865599 2" Wide Leather Belt, for all models



4200865599

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"



TDN9327A

Audio Accessories

Remote Speaker/ Microphone

NMN6156B Remote Speaker Microphone with Coil Cord, Clip Back



NMN6156B

NMN6145B Remote Speaker Microphone with Clip, Coil Cord, and 2.5 mm Earphone Jack

NMN6129B UHF Public safety microphone (Antenna and velcro patch must be ordered separately)

NLN8410A Velcro Pin Patch Attachment



RLN4294A

Epaulet Strap

Black leather epaulet straps secure remote speaker microphones to epaulet of shirts or jackets and attach around cord. Allows reliable communications in hostile environments with Velcro or clip style strap.

RLN4294A Epaulet Strap, Velcro

RLN4295A Epaulet Strap, Small Clip



RLN4295A

MTX900 Series

Portable Accessories

Audio Accessories

Earpiece

5083693B01 Earpiece and Volume Control (requires NTN4812B)

5083693B04 Earpiece and Volume Control (3.5 mm)

Ear Receiver

BDN6717B Ear receiver with 3.5 mm plug, to be used with adapter NTN4812B

NTN4812B

Earphone Jack Adapter



BDN6717B

Ear Microphone System

This compact unit picks up the voice through bone vibrations in the ear canal. Ideal for use in high noise environments. Available in PTT or Voice-activated (VOX) capabilities for total hands free communications. Order Interface Module separately.



BDN6677A

***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



BDN6641A

(Shown with BDN6680B)

Interface Module

***BDN6679B** Push-To-Talk Interface Module

***BDN6680B** Voice-Activated Interface Module

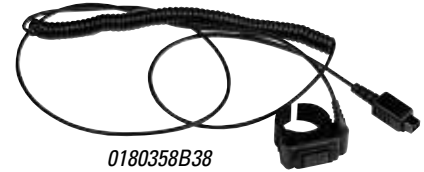
Audio Accessories

Optional Accessories

*0180358B38

Remote Push-To-Talk Ring Switch

0180300E25 Earguard with Adjustable Loop



0180358B38

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



0180358B33

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)

Optional Surveillance

ZMN6031A Three wire surveillance accessory with earpiece, microphone and push-to-talk as separate pieces. Factory Mutual Approved. Requires NTN5075B.



ZMN6031A

* Intrinsically safe

MTX900 Series

Portable Accessories

Audio Accessories

ZMN6032A Two-wire surveillance accessory with earpiece microphone and push-to-talk. Microphone and PTT are combined. Factory Mutual Approved. Requires NTN5075B

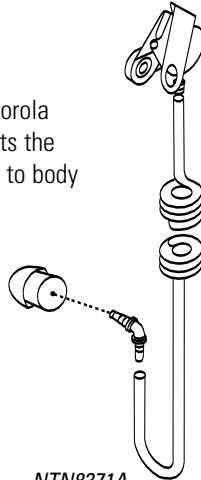


ZMN6032A

NTN5075B Hirose Adapter for two-and three-wire Surveillance Accessories.

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.



NTN8371A

NTN8370A Extreme Noise Kit, includes 2 foam earplugs for loud environments

NTN8371A Low Noise Kit, includes rubber eartip for low noise environments

5080384F72 Replacement Foam Plugs. Pack of 50 (for use with NTN8370A)

5080371E73 Replacement Standard Rubber Eartips. Pack of 25 (for use with NTN8371A), beige



RLN4763A

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)
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

Headsets

All headset accessories include radio cables and can be plugged directly into radio. No additional equipment is required.

Low to Moderate Noise Levels (Up to 90 dB)

Lightweight headset with electret condenser microphone and single speaker.

Not for use with headgear.

BDN6477A In-Line Push-To-Talk

BDN6478A Pendant-Thumb Push-To-Talk



BDN6478A

High Noise Levels (to 115 dB)

Noise-attenuating headset with military noise-cancelling microphone and dual speaker.

Not for Use With headgear

BDN6482A Pendant-Thumb Push-To-Talk

BDN6485A In-Line Push-To-Talk

Can be worn with or without hardhat or helmet

BDN6486A Pendant-Thumb Push-To-Talk

MTX900 Series

Portable Accessories

Audio Accessories

High noise level headset (up to 125 db)

Heavy-duty headset with noise cancelling microphone and push-to-talk switch located on earcup. VOX module contained within headset on voice activated units. Factory Mutual Approved. *NOTE:* Can be worn with or without hard hat or fire helmet.

BDN6639A Adapter Cable

BDN6645A Push-To-talk Headset with Boom Microphone, Requires Adapter Cable



*BDN6645A
(Shown with
adapter cable
BDN6639A)*

BDN6635B Voice-Activated Headset with Boom Microphone, Requires Adapter Cable



*BDN6635B
(Shown with
adapter cable
BDN6639A)*

BDN6636B Voice-Activated Headset with Throat Microphone, Requires Adapter Cable

Lightweight Headset

RMN4015A Lightweight Headset with Swivel Boom Microphone, Single Speaker and In-line PTT



RMN4015A

Audio Accessories

Helmet Accessories

All helmet and face mask kits require a radio cable assembly.

Industrial Helmet Accessories

Hardhat kit includes military noise-cancelling microphone. Choice of single or dual speaker, for use with the Bullard 302/303. Requires one of the following cable kits.

Single Speaker

BDN6275A Helmet Kit

Police Helmet Accessories

Police helmet kit has military noise-cancelling microphone with choice of single or dual speaker.

Single Speaker

BDN6362A Bell SD600 (BT600) 1/2 Shell Helmet Kit

BDN6277A Seer 1601,1602 Helmet Kit

Dual Speaker

BDN6363A Bell SD600 (BT600) 1/2 Shell Helmet Kit

BDN6492A Cable Kit, Includes transmit switch, volume control, microphone electronics, and remote push-to-talk jack built into a belt-mounted control box

BDN6292A Handlebar PTT switch for belt mounted control box (For use with BDN6492 Cable Kit)

MTX900 Series

Portable Accessories, Antennas

Vehicular Adapter

The Basic MVA console kits may be ordered separately. These items allow use of the portable radio in a mobile application. Order antenna separately.

NSN6054A 12-Watt External Speaker



NSN6054A

HMN1056D Microphone, Compact Palm

HMN1035C Microphone, Heavy-Duty Palm

HMN3013A Microphone, DTMF



HMN1056D

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.

8505241U04

Flexible Whip, 896-941MHz, 7"

Vehicular Antenna Kit

Allows user to convert their portable radio into a mobile application. Comes complete with Mobile Antenna, Cable, Custom Adapter and Connector.

RAF4001ARG

Vehicular Antenna Kit

Dipole Antenna

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.

8505884R02

Dipole, 896-941MHz, 8"

8505884R02

Stubby Antennas

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

***8505241U06**

Stubby, 806-941MHz, 4"

8505241U06

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

MTX900 Series

Batteries, Service Aids

Portable Batteries

Nickel-Cadmium Premium

Part Number: **NTN4823BR**
 Volts: 10
 Avg. mAh: 550
 Height: 2-7/16"
 Intrinsically Safe: Yes



NTN4823BR

Part Number: **NTN5447BR**
 Volts: 10
 Avg. mAh: 1100
 Height: 3-5/16"
 Intrinsically Safe: No

Part Number: **NTN5448BR**
 Volts: 10
 Avg. mAh: 1000
 Height: 3-5/16"
 Intrinsically Safe: Yes

Nickel Metal Hydride Premium

Part Number: **NTN7015A**
 Volts: 10
 Avg. mAh: 950
 Height: 2-7/16"
 Intrinsically Safe: No

Alkaline

Part Number: **NTN4870B**
 Volts: (NA)
 Avg. mAh: 2100
 Height: 3-5/16"
 Intrinsically Safe: No

Service Aids

Battery Eliminator

The battery eliminator acts like a battery with a cable to access a DC external power supply. It is ideal to inspect transmitters and receivers on incoming radios. Reverse supply polarity protection and input fuse protection are provided.



RTL4226B

RTL4226B 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

RLN4008E Radio Interface Box

Computer Interface Cable

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



3080369B71

3080369B71 Cable, RIB to 25 pin D

3080369B72 Cable to 9 pin D

Wall Mounted Power Supply

Used to supply power to radio interface box, RLN40008E

0180357A57 Wall Mounted Power Supply, 110 Volts

0180358A56 Wall Mounted Power Supply, 220 Volts

MTX900 Series

Service Aids, Tools, Manuals

Service Aids

Radio Test and Programming Cable

Cable Used with Portable Radio Test Set, RTX4005, for transmitter, receiver alignment and performance checks. Also used in programming radio.

RTK4205C Test and Programming Cable

Battery Adapter



1580368B62

Replaces radio housing during servicing and provides easy mounting for battery eliminator, RTL4226B.

1580368B62 Battery Adapter

Field Modification Kit

Allows for quick field modification of RTX4005 "A" test sets to provide operation with MTX800 Radios.

RPX4665A Field Modification Kit RTX4005A



RPX4665A

Service Tools

SMA to BNC Adapter

5880384G68 SMA to BNC Adapter

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.

RVN4033J Programming Software, 3-1/2" diskette (includes manual and storage box)

Tuning Tool

6605106N01 Tuning Tool, Adjusts Tunable Coils and Potentiometers



6605106N01



RSX4043A

Torque Screwdriver

RSX4043A Torque Screwdriver, Order Bits Separately

6680371B34 Spanner Bit, for Antenna Bushing Nut

6680371B03 Hex Nut Driver Bit, for Volume Pot and Rotary Switch Nuts

6680370B95 Spanner Bit, for Toggle Switch Spanner Nut

6680321B86 Phillips Bit #0 for Housing and Chassis Screws

6680342A66 Spanner Bit for Antenna Retainer Connector



6680321B86

Manuals

6881069C30

Service Manual

6881054C40

Theory/Maintenance Manual

6881054C35

Operating Conventional Manual/Trunked Manual

0180305J46

Ear Microphone System and Temple Transducer CD-ROM