Parts List

MOTOROLA

Parts List

REF. NO.	PART NO.	DESCRIPTION
1	4505896U02	Lever, PTT
2	3205902U01	Seal, PTT, and Actuator for S404, S405, S406, and S408
3A	1505637V04	Cover, Front; Full Keypad
3B	1505637V05	Cover, Front; Limited Keypad
4	----	Label, Agency Approval; not field replaceable
5A	7505870U01	Keypad, 15-key
5B	7505870U02	Keypad, 6-key
6	5105238U83	Module, Display
7	3305183R55	Label, Motorola
8	3305409X06	Label, JT1000
9	3505535X02	Felt, Speaker
10	----	Speaker (LS401) – not available
11	0705470V01	Bracket, Speaker Retainer
12	----	Microphone – not available
13	1405330W02	Boot, Microphone
14	8405310W04	Flex, Front Cover/Display
15	8405641V02	Flex, Controls
16	3905517V01	Popple, PTT (part of S406)
17	3605253V01	Knob, On/Off/Volume
18	3605636V01	Knob, Frequency
19	1305633V01	Ring, Concentric; Escutcheon
20	3605635V01	Knob, Concentric Ring
21	1305698V01	Escutcheon, Control Top
22	3205160W01	Seal, Actuator; for S101
23	2205159W01	Pin, Actuator; for S101
24	3205514W01	Seal, Accessory Connector
25	3205177Z01	Seal, Control Top
26	3205178Z01	Seal, Emergency Button

REF. NO.	PART NO.	DESCRIPTION
27	2705877U01	Housing, Switch
28	----	Switch, Toggle (S402) – not available
29	----	Potentiometer/Switch, On/Off/Volume Control (R401/S403) – not available
30	3905329W01	Popple, Emergency Button
31	----	LED (CR702A/CR702B) – not available
32	----	Switch, Frequency (S401) – not available
33	1505632V01	Cover, Switch Housing
34	----	Spring, PA; not field replaceable, order front shield (item 41)
35	4205507X01	Strain Relief
36	8405247V01	Connector, Strip (P301/P704) Flex, Jumper (early version radios)
37	----	Plug, Connector (P404) – not available
38	3205820V02	Seal, Connector Plug
39	----	Label, Rear; Information; not field replaceable
40	3205176Z01	"O" Ring, Contoured/Seal, Antenna
41	2605891U03	Shield, Front
42	----	Switch, RF (S101) – not available
43	----	Label, Barcode; not field replaceable
44	4105266V01	Spring, RF Switch
45	4405524V01	Piston, RF Switch
46	1405307X01	Insulator
47	1505892U06	Chassis (Rear Cover)
48	3905838V01	Contact, Antenna Shield Ground (800 MHz and 900 MHz radios only)
49	2605898U01	Shield, PA (800 MHz and 900 MHz radios only)
50	7505393N33	Pad, Shock

MOTOROLA ORIGINAL

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. All chargers listed are rapid rate and will fully charge your battery in less than 3 hours.

Single Unit Desktop Chargers – Rapid Rate

The desktop charger has the power supply built into the base unit and will charge both NiCd and NiMH batteries.

NTN1168A

NTN1168A Rapid Rate Desktop Charger, 110V

NTN1169A Rapid Rate Desktop Charger, 220V (supplied with 2 prong cord)

NTN1170A Rapid Rate Desktop Charger, 240v (supplied with 3 flat prong cord)

Single Unit Compact Bi-Chemistry Chargers – Rapid Rate

The bi-chem charger has the power supply built into the line cord giving the user a smaller base unit for easier storage. It also utilizes an enhanced charging algorithm that will help maximize the life of your batteries. It will rapid rate charge both NiCd and NiMH batteries.

RPX4747A Compact Bi-Chem Charger, 110V

RPX4748A Compact Bi-Chem Charger, 230V Euro plug

RPX4749A Compact Bi-Chem Charger, 230V UK plug

Chargers

Multiple Unit Charger (MUC)

Multi-unit chargers offer six pockets that can be used to rapid charge 1 to 6 batteries simultaneously. The batteries can be charged with the radios or separately. They will rapid rate charge both NiCd and NiMH batteries.

NTN1177D Six-Pocket, rapid rate110V

NTN1178D Six-Pocket, rapid rate, 220V (supplied with 2 prong cord)

NTN1179D Six-Pocket, rapid rate, 240V (supplied with 3 flat prong cord)

NTN1177D

AC Line Cords

3060665A04 120V Interchangeable line cord

3060665A05 220V Interchangeable line cord with 2 prong Euro plug

MUC Accessories

NLN7967A Wall Mount

Travel Charger

RLN4884B 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.

RLN4884B

Travel charger Mounting Bracket

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

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)

Chargers

impres™ Smart Energy System

WPLN4111AR

The impres smart energy system ensures maximum talk-time and optimized battery cycle life through the use of its advanced charging algorithm and automatic reconditioning features. The smart energy system reconditions impres batteries when they need it, automatically, keeping them in peak condition. It's advanced conditioning features allow batteries to be safely left on the charger for extended periods of time without incurring the damaging heat build-up which can rob batteries of cycle life. In addition, batteries left on the charger are kept fully charged so they are always ready when you need them. The impres system reconditions batteries when they need it based on their usage pattern. Talk time and cycle life are optimized and the need for manual maintenance programs reduced or eliminated. This rapid-rate tri-chemistry charging system will also charge existing legacy batteries and supports multiple radio platforms including Saber, XTS, and HT1000 series portables.

WPLN4111AR impres Single Unit Charger

WPLN4108BR impres Multi-Unit Charger

impres™ Multi-Unit Charger with Display Modules

The impres Multi-Unit Charger with Charger Display Modules has a two-line LCD screen for each of its six charger pockets that provides users with a host of valuable battery information. When a calibrated impres battery is inserted into a pocket, it provides the current battery mAh and percent of rated capacity which allows the user to immediately know the status of the battery without having to charge and discharge the battery. Additionally, the unit displays the remaining charge time (NiCd and NiMH only) which lets the user know when the impres battery will be ready for use. Additional information displayed includes: battery serial and part number information, battery chemistry, voltage and charge status and the version of the charger and display modules.

WPLN4130AR Multi-Unit Charger with Display Modules

WPLN4130AR

Chargers

impres™ Bundle Packs

Provide significant savings on the impres products by bundling a charger and batteries together as a smart energy system package.

RLN5265A impres single unit charger with two HNN9029AR batteries

RLN5266A impres single unit charger with two HNN9028AR batteries

RLN5439B impres multi unit charger with six HNN9029AR batteries

RLN5440B impres multi unit charger with six HNN9028AR batteries

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 one to two hours.

WPLN4090BR MCC Kit, 110V AC; includes both base unit and 7V adapter

WPLN4091BR MCC Kit, 220V AC; includes both base unit and 7V adapter

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

WPPN4002BR

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

WPPN4065BR Multi-Unit Conditioning Charger Four Station Base 110V (order adapter plate separately)

3080384G15 Cigarette Lighter Adapter Cord; MCC multi-unit conditioning charger

RLN4814A Vehicular Mounting Bracket for single unit Motorola Conditioning Charger

MOTOROLA ORIGINAL

## 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 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).
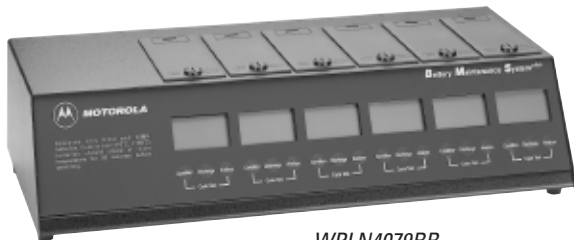
WPLN4079BR

WPLN4079BR Six-Station, 110V AC, 50/60 Hz
WPLN4080BR Six-Station, 230V AC, 50/60 Hz

BMS^plus Adapter

TDN9435C Adapter Compatible with NiCd Batteries Only

CDN6364A Adapter Compatible with Both NiCd and NiMH Batteries

TDN9435C

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 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 Adapter

RL-72403 Standard Adapter

Vehicular Charger

This 12V DC charger is ideal for mobile customers; it charges portable radio NiCd batteries in rapid charge mode (in less than 3 hours) until full charge is obtained and then switches to trickle charge mode. A microprocessor controls the charge rate. This durable unit comes with a metal mounting bracket and is PAC-RT compatible.

TDN9816A

TDN9816A Vehicular Charger

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

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 Carrying Cases

NTN7238A Leather Carry Case with Belt Loop and T-Strap for use with high capacity battery

NTN7239A Leather Carry Case with Belt Loop and T-Strap for use with ultra-high capacity battery

NDN4018B DTMF Leather Carry Case with Belt Loop for use with high and ultra-high capacity batteries

NTN7247A Nylon Carry Case with Belt Loop and Strap for use with high and ultra-high capacity batteries

NTN7247A

High Activity Swivel Carrying Cases

The following carrying 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 versus standard swivel cases while allowing the radio to swing freely with body movements.

NTN8035B Leather Carry Case with 2.5″ High Activity Swivel Belt Loop and T-Strap for use with high capacity battery

NTN8037B Leather Carry Case with 3.0″ High Activity Swivel Belt Loop and T-Strap for use with high capacity battery

NTN8036B Leather Carry Case with 2.5″ High Activity Swivel Belt Loop and T-Strap for use with ultra-high capacity battery

NTN8036A

Carrying Accessories

NTN8038B Leather Carry Case with 2.5″ High Activity Swivel Belt Loop and T-Strap for use with ultra-high capacity battery

NDN4017B DTMF Leather Carry Case with 3.0″ High Activity Swivel Belt Loop and Antenna Strap for use with high and ultra-high capacity battery

NTN8038A

T-Strap

NTN7782A T-Strap for leather Carry Cases

NTN7376A T-Strap for nylon carry cases

Belt Clips

4205638V07 3″ Belt clip

4205638V09 2.5″ Belt clip

Belt Loops

NTN8039B 2.5″ High Activity Swivel Belt Loop

NTN8040B 3.0″ High Activity Swivel Belt Loop

Belt

4200865599 1.75″ Wide Black Belt

4200865599

Carrying Strap

NTN5243A Shoulder Carry Strap, allows easy carrying of radio in a case when not wearing a belt

NTN5243A

High Activity Button

NTN8036B "D" Button, high activity

Carrying Accessories

Swiveller

TDN9684A Swiveller, includes clip button, holster and belt

Swiveller Replacement Accessories

TDN9690A Clip button, mounts on battery

TDN9688A Holster, compatible with all buttons

TDN9687A Belt, 2˝ nylon

TDN9684A

TDN9687A

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 2.75˝

TDN9373A Portable Radio Hanger for door panels up to 3.25˝

TDN9327A

Carrying Accessories

Chest Pack

Carry the radio mounted on chest with adjustable straps over shoulders and around waist.

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

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

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˝

MOTOROLA

Audio Accessories

NMN6193B

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 coil cord assembly, 3.5mm earjack, swivel clothing clip and quick disconnect latch.

*NMN6193B Remote Speaker Microphone

*NMN6191B Noise Cancelling Remote Speaker Microphone

0104004J26 Replacement Coil Cord Cable Assembly for Remote Speaker Microphones

Public Safety Speaker Microphones (PSM)

Public Safety Speaker Microphones include straight cord assembly, 3.5mm earjack, swivel clip, quick disconnect latch, antenna connector, and receiver, audio high/low volume push button. Antenna must be ordered separately. Use radio antennas on page 180.

*NMN6228C 30″ Noise-Cancelling Public Safety Speaker/Microphone, straight cord

*NMN6243B 18″ Noise-Cancelling Public Safety Speaker/Microphone, straight cord

*NMN6244B 24″ Noise-Cancelling Public Safety Speaker/Microphone, straight cord

0104004J29 30″ Public Safety Microphone Cable

0104004J46 18″ Public Safety Microphone Cable

0104004J47 24″ Public Safety Microphone Cable

REX4410C PTT Paddle Replacement Kit for Remote and Public Safety Microphones

Audio Accessories

RSM 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 environments.

RLN4294A Epaulet Strap, Velcro

RLN4295A Epaulet Strap, small clip

RLN4294A

RLN4295A

Pellet Style Earpieces

Pellet style earpieces allow the user to receive communication disreetly and is comfortable for extended wear.

BDN6780A

BDN6780A Pellet Style Earpiece with Clip Microphone and Push-To-Talk button. Requires BDN6676D audio adapter.

BDN6781A Receive-only Pellet Style Earpiece. Requires BDN6676D audio adapter unless being used with speaker microphone.

5780372E70 Replacement Foam Ear Cushion for Pellet Earpieces

Flexible Ear Receiver

Earpiece contains a flexible earloop andspeaker and rests on the outside of the ear.

BDN6719A Ear Receiver with 3.5mm Threaded Plug, requires adapter BDN6676D unless being used with speaker microphone

7580372E11 Replacement Foam Ear Cushions for BDN6719A

BDN6719A

* Intrinsically safe

MOTOROLA ORIGINAL

Audio Accessories

Headsets for the RSM and PSM

RMN4056A Receive-Only Dual Muff Headband Style Headset; provides 24dB of noise reduction; for use with all Remote and Public Safety Microphones with a 3.5mm threaded jack (can be plugged directly into radio with BDN6676D adapter)

RMN4057A Receive-Only Hardhat Mount mounts easily to hardhats with slots and provides 22dB of noise reduction; for use with all Remote and Public Safety Microphones with a 3.5mm threaded jack (can be plugged directly into radio with BDN6676D adapter)

RLN4923A Replacement Earseals for RMN4056A and RMN4057A

RMN4056A

CommPort: Integrated Microphone/Receiver System

NTN1623A

CommPort system contains 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 w/Palm PTT (includes BDN6676D radio adapter)

*NTN1625A Integrated Ear Microphone/Receiver System (includes BDN6676D radio adapter)

NTN1623A CommPort integrated ear microphone/receiver system w/palm PTT (Includes hirose adapter) Requires Astro antenna adapter 4305909W01 (order separately)

Audio Accessories

*NTN1663A Integrated Ear Microphone/Receiver System w/Ring PTT (includes BDN6676 3.5mm Jack Adapter)

*NTN1736A Integrated Ear Microphone/Receiver System with snap-on side PTT (includes BDN6676D radio adapter)

*NNTN4186A Integrated Ear Microphone/Receiver System with body PTT (includes BDN6676D radio adapter)

*NKN6510A Replacement Cable for NTN1624

NKN6508A Replacement Cable for NTN1625

NKN6512A Replacement Cable for NTN1663

NNTN4188A Replacement Remote Push-to-Talk Body Switch

NTN8821A CommPort Maintenance Kit, Includes Replacement Ear Tubes (Quantity 10), Windscreens (Quantity 2) and Microphone Seal Strips (Quantity 10)
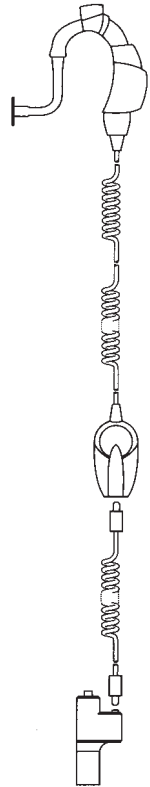
NTN8986A Adhesive Pads (Quantity 90) for secure attachment to ear

NTN8988A Ear Straps (Quantity 10), for secure attachment to ear

4285838B01 Replacement Collar Clip

4202006A01 Replacement Back Cover Clip

RLN5037A Replacement Ear tubes (Quantity 10)

NTN1625

* Intrinsically safe

Audio Accessories

Surveillance Accessories

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

The following surveillance accessories require the BDN6676D (3.5 mm threaded adapter jack) that attaches to the radio.

Receive-only Surveillance Kit (1-Wire)

*BDN6664A Beige
*BDN6665A Beige
BDN6726A Black
BDN6727A Black

BDN6664A

Receive-only Surveillance Kit with Volume Control (1-Wire)

*BDN6666A Beige
BDN6728A Black

BDN6666A

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

*BDN6667A Beige
*BDN6669A Beige
BDN6729A Black
BDN6731A Black

BDN6667A

Surveillance Kit with Microphone and Push-To-Talk Separate (3-Wire)

*BDN6668A Beige
*BDN6670A Beige
BDN6730A Black
BDN6732A Black
*BDN6676D 3.5mm Jack Adapter with Quick Disconnect Latch

BDN6668A

Audio Accessories

Surveillance Kits with Extended Wear Earpiece

These kits include a comfort earpiece with a rubber ear tip and and a clear comfortable acoustic tube. Users can hear transmissions clearly, while the clear tube provides a discreet appearance.

RLN5311A Beige Two-Wire Comfort Earpiece with Combined Microphone and Push-To-Talk; requires BDN6676D audio adapter

RLN5312A Black Two-Wire Comfort Earpiece with Combined Microphone and Push-To-Talk; requires BDN6676D audio adapter

RLN5313A Receive-Only Comfort Earpiece, black

RLN5314A Receive-Only Comfort Earpiece, beige

Surveillance Kit Replacement Accessories

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 Earpiece Assembly, includes earphone, earloop and eartip, black

5080369E40 Plastic Urethane Earloop, beige

5080370E92 Plastic Urethane Earloop, black

5080369E39

5080370E92

5080369E41 Wire Earloop

5080371E69 Small Rubber Eartip, beige, pack of 25

5080371E71 Small Rubber Eartip, black, pack of 25

5080371E73 Standard Rubber Eartip, beige, pack of 25

5080370E41

5080371E75 Standard Rubber Eartip, black, pack of 25

5880377E06 Plastic Eartip Adapter, pack of 10

* Intrinsically safe

Audio Accessories

Completely Discrete Earpiece

Remain discretely 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 discrete 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 discrete communication.**

RLN4922A Completely Discrete Earpiece Kit; includes wireless earpiece, inductive neckloop, 6 spare batteries and 5 spare ear wax guards

RLN4919A Ear Wax Guards, 5 per pack

RNN4005A 1.4V Battery, 6 per pack

RLN4922A

Audio 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.

NTN8370A Extreme Noise Kit, includes 2 foam earplugs for loud environments, provides 24dB noise protection

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

5080384F72 Replacement Foam Plugs; pack of 50 (for use with NTN8370A)
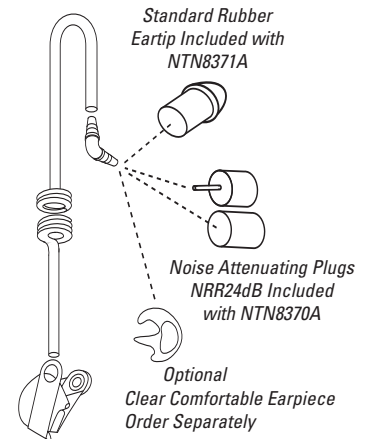
NTN8370A

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

Standard Rubber Eartip Included with NTN8371A

Noise Attenuating Plugs NRR24dB Included with NTN8370A

Optional Clear Comfortable Earpiece Order Separately

Acoustic Tube with Earphone

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

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 95dB, black)

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

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

*BDN6641A
Requires
interface module
sold separately*

Interface Module For EMS

*BDN6708B Push-To-Talk Interface Module

*BDN6671B Push-To-Talk or Voice-Activated Interface Module

BDN6708B

Audio Accessories

Optional Accessories For EMS

*0180358B38 Remote Push-To-Talk Ring Switch

0180300E83 Remote Push-To-Talk Body Switch

0180300E25 Earguard with Adjustable Loop; secures ear mic in ear

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

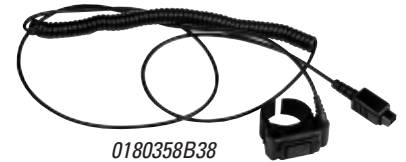**0180358B37** Earholder, clear, size large; secures ear mic in ear

4280369E44 Replaceable Belt Clip with Screws

0180358B33

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)

* Intrinsically safe

Audio Accessories

Lightweight Headsets

Lightweight headsets allow for high clarity, hands-free, discrete two-way communication, while adding comfort necessary for extended wear in moderate noise environments. Requires BDN6676D Audio Adapter.

*NMN6245A Single Muff Lightweight Headset with In-line Push-To-Talk Switch (requires BDN6676D adapter)

*NMN6246B Ultralite Headset with Boom Microphone and In-line Push-To-Talk Switch; ear bud style receiver (requires BDN6676B adapter)

NMN6245A

*NMN1020A Lightweight Headset with Boom Microphone to be worn on a helmet or safety glasses. Includes NKN6498A adapter cable. Requires BDN6676D adapter. FM approved.

NKN6498A Headset Adapter Cable for use with NMN1020A

REX4648A Replacement Foam Earpad and Windscreen Kit for NMN6245A

5080574E02 Foam Earpads for use with NMN6245A, 10 per pack

Temple Transducer

RMN4049A

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 the accessory rests on the temples and it 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 in-line PTT and noise canceling boom microphone. The Temple Transducer enhances communications 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

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

RMN4051A Hardhat Mount Headset mounts easily to hardhats with slots and provides 22dB of noise reduction; requires RKN4095A adapter cable, hardhat not included

RKN4095A Radio Adapter Cable with In-Line PTT for use with RMN4051A

* Intrinsically safe

Audio Accessories

Tactical Medium Weight Headsets

Same high-clarity sound and additional hearing protection as our standard medium weight headsets while including two microphones on the outside of each earcup which reproduces the ambient sound back into the headset. Harmful sounds are suppressed to a safe level and low sounds are amplified up to 5 times but never more than 82dB. Includes on/off volume control on ear cups.

RMN4052A Tactical Headband Style Headset, grey; provides 24dB of noise reduction and requires RKN4095A adapter cable

RMN4053A Tactical Hardhat Mount Headset mounts easily to hardhats with slots; provides 22dB of noise reduction and requires RKN4095A adapter cable, hardhat not included

RKN4095A Radio Adapter Cable with In-Line PTT for use with RMN4051A and RMN4053A

RMN4052A

RLN4923A Two Replacement Snap-in Earseals; Recommended replacement interval is once every six months to ensure constant level of attenuation hygiene and comfort for RMN4051A, RMN4052A, and RMN4053A.

Racing Headset

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 (Requires BDN6673B radio adapter cable)

RMN5015A

Audio Accessories

Heavyduty Headsets

*BDN6645A
(shown with BDN6673B)*

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

*BDN6635B
(shown with BDN6673B)*

*BDN6635B Voice-activated Headset with Boom Microphone; requires adapter cable BDN6673B; noise reduction rating=24dB

*BDN6636B
(shown with BDN6673B)*

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

*BDN6673B Radio Adapter Cable

* Intrinsically safe

Portable Antennas

Flexible Whip Antennas

Antenna has a one-piece finish and steel core for optimal strength and better radiation characteristics. Provides more comfort when radio is worn on the belt.

8505241U05
Flexible Whip, 403-520MHz, 6˝

8505241U03
Flexible Whip, 806-870MHz, 7˝

8505241U04
Flexible Whip, 896-941MHz, 7˝

8505241U05

Helical Antennas

Helical are sturdy and dependable for years of failsafe communication. Each antenna is designed and built to quality standards. The skirt at the base of the connector helps to seal out damaging elements. Connector is made of plated brass material for long life.

8505644V01

8505644V01
Helical, 136-151MHz, 6˝

8505644V02
Helical, 151-162MHz, 6˝

8505644V03
Helical, 162-174MHz, 6˝

8505644V04
Helical, 403-435MHz, 3˝

8505644V05
Helical, 435-470MHz, 3˝

8505644V06
Helical, 470-520MHz, 3˝

8505644V03

8505644V04

Portable Antennas

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

NAF4000B
Dipole, 806-869MHz, 8˝

8505884R02
Dipole, 896-941MHz, 8˝

8505884R02

Wideband Antenna

Wideband antenna is ideal when radio is used in different frequencies since one antenna will cover all ranges.

8505518V01 Wideband, 136-174MHz, 6˝

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 broadband antenna that can be used for both 800MHz and 900MHz applications.

8505241U06

8505241U06*
Stubby, 806-941MHz, 4˝

Vehicular Antenna Kit

Allows users to convert their portable radio into a mobile application. Comes complete with mobile antenna, custom cable adapter and connector.

RAF4001ARG Vehicular antenna kit

Replacement Kit

REX4398A 2/8/16 Channel Cosmetic Replacement Kit

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

MOTOROLA

Batteries

Portable Batteries

Nickel-Cadmium impres™

Part Number: **HNN9028AR**
Volts: 7.5
Avg. mAh: 1500
Height: 6˝
Intrinsically Safe: No

Part Number: **HNN9029AR**
Volts: 7.5
Avg. mAh: 1500
Height: 6˝
Intrinsically Safe: Yes

Nickel-Cadmium Premium

Part Number: **NTN7143CR**
Volts: 7.5
Avg. mAh: 1200
Height: 6˝
Intrinsically Safe: No

Part Number: **NTN7144CR**
Volts: 7.5
Avg. mAh: 1400
Height: 6˝
Intrinsically Safe: No

NTN7143CR

Part Number: **NTN7146AR**
Volts: 7.5
Avg. mAh: 1200
Height: 6˝
Intrinsically Safe: Yes

Part Number: **NTN7147AR**
Volts: 7.5
Avg. mAh: 1300
Height: 6˝
Intrinsically Safe: Yes

Part Number: **NTN7149BR**
Volts: 7.5
Avg. mAh: 1300
Height: 6˝
Intrinsically Safe: No
CSA: Yes

NTN7147AR

Portable Batteries

Part Number: **NTN7150AR**
Volts: 7.5
Avg. mAh: 1200
Height: 6˝
Intrinsically Safe: No
MSHA: Yes

Part Number: **NTN7341AR**
Volts: 7.5
Avg. mAh: 1400
Height: 6˝
Intrinsically Safe: Yes

Part Number: **NTN7372AR**
Volts: 7.5
Avg. mAh: 1200
Height: 6˝
Intrinsically Safe: Yes

Part Number: **HNN9004AR**
Volts: 7.5
Avg. mAh: 1500
Height: 6˝
Intrinsically Safe: No
Bluetooth™: Yes

NTN7372AR

Nickel Metal Hydride Premium

Part Number: **WPNN4013A**
Volts: 7.5
Avg. mAh: 2000
Height: 6˝
Intrinsically Safe: No

Part Number: **WPNN4037A**
Volts: 7.5
Avg. mAh: 1900
Height: 6˝
Intrinsically Safe: Yes

WPNN4013A

MOTOROLA ORIGINAL

MOTOROLA

Service Aids

Cloning Cable

Allows another radio to be duplicated from a master radio by transferring programmed data from one radio to another.

RKN4036D Cloning Cable

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

Service Aids

Computer Interface Cable

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

3080369B71 Cable, RIB to 25 pin D

3080369B72 Cable, RIB to 9 pin D

3080369B71

Radio Test and Programming Cable

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

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

0180357A57

Service Aids

Battery Eliminator

RLN1014A 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.

RLN1014A

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.

RVN4098H Programming Software

Option Boards

NTN8313A Analog Voice Scrambler Advantage Board, for use with HT1000 only. NOT APPROVED for installation in FM approved models.

Manuals

6881200C15	HT1000/JT1000/MT2000 & MTX8000/9000 Radio Theory
6881200C40	HT1000/JT1000 & MT2000 Service Manual
6881200C25	MTX8000/9000 Service Manual
6881079C50	HT1000 Operator's Manual
6881078C45	JT1000 Operator's Manual
6881076C65	MT2000 Operator's Manual
6881072C10	MTX8000/9000 B3 Operator's Manual
6881072C40	MTX8000/9000 B5/B7 Operator's Manual
0180305J46	Ear Microphone System and Temple Transducer CD-ROM

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