# SABER I, II, III VHF/UHF Parts List

<table>
<thead>
<tr>
<th>REF. NO.</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>RPX4695A</td>
<td>Assembly, Frame Stud (includes item 5)</td>
</tr>
<tr>
<td>2</td>
<td>RPX4689A</td>
<td>Kit, Frequency Switch (S823) (includes item 4)</td>
</tr>
<tr>
<td>3</td>
<td>RPX4690A</td>
<td>Kit, On/Off Switch (S800)/Volume Control (R800) (includes item 4)</td>
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<tr>
<td>4</td>
<td>320508E68</td>
<td>Gasket, “O” Ring (2 req’d) (part of items 2 and 3)</td>
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<tr>
<td>5</td>
<td>3205422D01</td>
<td>Seal, Stud (2 req’d) (part of item 1)</td>
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<tr>
<td>6</td>
<td>610541D01</td>
<td>Lightpipe, LED</td>
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<td>0300138542</td>
<td>Screw, Module, Ph Pah Hd; 2-56 x 3/8˝ (7 req’d)</td>
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<td>9</td>
<td>0305706Q01</td>
<td>Screw, Top Panel; 2-32 (2 req’d)</td>
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<td>10</td>
<td>RPX4692A</td>
<td>Kit, Antenna Bushing (includes item 12)</td>
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<td>320508E80</td>
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<td>320508E58</td>
<td>Gasket, “O” Ring (part of item 10)</td>
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<td>RPX4692A</td>
<td>Kit, Control Top Panel (includes item 11)</td>
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<tr>
<td>14</td>
<td>0400139731</td>
<td>Lockwasher, Internal Tooth</td>
</tr>
<tr>
<td>15</td>
<td>0205765L02</td>
<td>Nut, Antenna Bushing</td>
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<td>16</td>
<td>0405781Q01</td>
<td>Washer, Detent</td>
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<tr>
<td>17</td>
<td>8505816K01</td>
<td>Antenna, VHF Helical (136-150 MHz) or 8505816K21</td>
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<td>18</td>
<td>8505816K23</td>
<td>Antenna, VHF Helical (162-174 MHz) or 8505816K24</td>
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<td>19</td>
<td>8505816K25</td>
<td>Antenna, UHF Helical (440-470 MHz) or 8505816K26</td>
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<tr>
<td>20</td>
<td>REX4105A</td>
<td>Knob, Replacement</td>
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<td>21</td>
<td>1305622D01</td>
<td>Escutcheon, 12-Frequency</td>
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<td>22</td>
<td>1305622D11</td>
<td>Escutcheon, 12-Frequency Emergency</td>
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<td>23</td>
<td>1305622D04</td>
<td>Escutcheon, 12-Frequency Submersible</td>
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<td>24</td>
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<td>Escutcheon, 12-Frequency Emergency, Submersible</td>
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<td>25</td>
<td>0205916P01</td>
<td>Nut, Spanner (2 req’d)</td>
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<tr>
<td>26</td>
<td>320508E61</td>
<td>Gasket, “O” Ring (part of item 23)</td>
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<td>27</td>
<td>RPX4691A</td>
<td>Kit, RF Connector (includes items 22, 24)</td>
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<tr>
<td>28</td>
<td>4205852N01</td>
<td>Contact, Ground, RF (part of item 23)</td>
</tr>
<tr>
<td>29</td>
<td>NLD8160B</td>
<td>Assembly, VHF Main PC Board</td>
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<td>30</td>
<td>NLE9450B</td>
<td>Assembly, UHF Main PC Board</td>
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<tr>
<td>31</td>
<td>NTN4647A</td>
<td>Assembly, Back Shield (includes item 27)</td>
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<td>0305706Q01</td>
<td>Screw, Captive (4 req’d) (part of item 26)</td>
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<td>33</td>
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<td>Clip, Ground</td>
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<td>34</td>
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<td>Boot, Oscillator</td>
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<td>Kit, PTT/Controls Flex (includes item 31)</td>
</tr>
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<td>36</td>
<td>RPX4701A</td>
<td>Kit, PTT/Controls Flex Assembly (includes items 2, 3, 31)</td>
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* Intrinsically Safe
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<td>RPX4695A</td>
<td>Kit, Frame Stud (includes item 5)</td>
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<tr>
<td>2</td>
<td>RPX4689A</td>
<td>Kit, Frequency Switch (S923) (includes item 4)</td>
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<td>3</td>
<td>RPX4690A</td>
<td>Kit, On/Off Switch (S800)/Volume</td>
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<td>3205082E62</td>
<td>Gasket, “O” Ring (2 req’d) (part of items 2 and 3)</td>
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<td>Seal, Stud (2 req’d) (part of item 1)</td>
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<td>Kit, RF Connector (includes items 22, 24)</td>
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<td>Assembly, Back Shield (includes items 27, 58)</td>
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<td>REF. NO.</td>
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<td>RPX4690A</td>
<td>Kit, On/Off Switch (S820)/Volume Control (R800) (includes item 4)</td>
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<td>Retainer, Speaker</td>
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<td>Nut, Spanner (2 req’d)</td>
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<td>Screw, Baseplate Ph Pan Hd; 2-56 x 3/32˝ (3 req’d) (part of item 3)</td>
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<td>RPX4702A</td>
<td>Assembly, LCD/Speaker Bracket</td>
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<td>Assembly, Display PC Board or [VHF and UHF radios] (includes item 48)</td>
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<td>Insulator, Universal Connector</td>
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<td>Washer, Detent (even number of switch positions) or NTN5069A</td>
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<td>RPX4694A</td>
<td>Kit, Contact Snapdome (2 req’d)</td>
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<td>Slide (part of item 43)</td>
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<td>NTN7058AR</td>
<td>Battery, Submersible, 1500 mAh (includes item 35)</td>
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</tbody>
</table>
Portable Accessories

SABER Series

Chargers

**Single Unit Rapid Universal Tri-Chemistry Chargers**

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

- NTN1667A 110V Universal Charger
- NTN1668A 220V Universal Charger
- NTN1669A 240V Universal Charger

**impres™ Smart Energy System**

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 Smart Energy System Single Unit Charger
- WPLN4108BR impress Smart Energy System Multi-Unit Charger
- WPLN4109BR impres Multi-Unit charger 220V/240V
- 5889254E01 Battery Adapter (required for batteries NTN4537, NTN4592, NTN7014 and NTN8818)

**Chargers**

**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 impres Multi-Unit Charger with Display Modules
- RLN5382A Charger Display Module for impres multi-unit charger version 1.3 or later
- RLN5591A Charger Display Module for impres multi-unit charger version 1.2 or earlier

**impres™ Bundle Packs**

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

- RLN5261A impres Charger with two HNN9033AR batteries
- RLN5444B impres Multi-Unit Charger with six HNN9033AR batteries
- RLN5264A impres Charger with two HNN9034AR batteries
- RLN5442B impres Multi-Unit Charger with six HNN9034AR batteries
**Portable Accessories**

**Chargers**

**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.

- **WPPN4002BR** Base Charge Unit Only, 110V AC (order adapter plates separately)
- **WPPN4006AR** Base Charge Unit Only, 220V AC (order adapter plates separately)
- **WPPN4001BR** Adapter Only, 7V
- **WPLN4096AR** Base 110V AC (includes base unit and 7V adapter)
- **WPPN4065BR** Multi-Unit Charger, four-station base, 110V (order adapter plates separately)
- **3080384G15** Cigarette Lighter Adapter Cord
- **3080384M21** DC Hard Wire Cable, for vehicular installation (included in RLN4814A)
- **RLN4814A** Mounting Bracket for Motorola single unit Conditioning Charger

**Porta-Pocket Charger**

The Porta-Pocket Charger provides a regular rate 16-hour charge to nickel cadmium (NiCd) batteries.

- **NTN5563B** Porta-Pocket Charger, 110V AC, regular rate, includes AC power supply/cable
- **NKN6289A** 12V DC Ignition Wiring Cable, includes dash mount bracket
- **NKN6290B** 12V Cigarette Lighter Receptacle Cable, includes dash mount bracket
Portable Accessories

Battery Maintenance Systemplus (BMSplus)

Increase the useful life of our batteries. Using interchangeable battery adapters (sold separately), the BMSplus is capable of charging and discharging, analyzing, conditioning and cycle testing NiCd, NiMH, Li-ion batteries; tracking battery voltage and capacity (mAh). The BMSplus offers a 3-year warranty. Its easy-to-use design supports hundreds of 2-way, cellular, and camcorder batteries. Includes 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
WPPN4085AR BMSplus field Upgrade Kit or 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)

BMSplus Adapters
TDN9450A NiCd Adapter, 7.5V, for use with NTN4537CR, NTN4538DR, NTN4592CR, NTN4593DR, NTN4595DR, NTN4596DR, and NTN4992CR
TDN9434A NiCd Adapter, 7.5V for use with NTN7058AR SABER R
WPPN4087AR NiCd and NiMH Adapter, 7.5 V compatible with same batteries as TDN9450A adapter plus NTN8251AR
WPPN4091AR Li-ion Only Adapter

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 accommodated 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 Adapters
RL-72703 Ruggedized Adapter, SABER-R
RL-71203 Standard Battery Adapter, SABER

*Compatible with the STAR Micronics SP200 series printers, available from any STAR Micronics distributor, and other printers with STAR emulation.
A variety of carrying accessories are available for your comfort and convenience. The carrying cases are available in sizes designed to fit your radio and battery and permit audio to be heard clearly.

**Light Capacity Batteries**

- **NTN5579A** Leather Swivel Snap Carry Case (order T-strap and swivel belt loop separately)

**Medium Capacity Batteries**

- **NTN5577A** Leather Standard Snap Carry Case Belt Loop (order T-strap separately)
- **NTN5580A** Leather Swivel Snap Carry Case (order T-strap and swivel belt loop separately)

**Ultra High Capacity Batteries**

- **NTN5578A** Leather Standard Snap Carry Case with Belt Loop (order T-strap separately)
- **NTN5644A** Leather Swivel Snap Carry Case (order T-strap and swivel belt loop separately)

**Nylon Carry Cases**

- **NTN7062A** Nylon Standard Carry Case with Belt Loop (includes T-strap) for Saber-R only
- **NTN7216A** Nylon Swivel Carry Case (Includes T-strap swivel belt loop) for Saber-R only

**Carrying Cases**

**T-Straps**

- **NTN5575A** Leather Snap T-Strap for system Saber only
- **NTN5574A** Leather Snap T-Strap for all other Saber models
- **RLN5373A** Leather Snap T-Strap for carrying case NTN5579 (for use with Li-ion Battery)

**Belt Loops**

- **4282421J06** 2.5” Leather Swivel Belt Loop
- **4205857B01** 3” Leather Swivel Belt Loop
- **PLN7648A** Removable “D” Button. Used in conjunction with swivel belt loop.

**Belt Clips**

- **NTN4741B** Removable Belt Clip Attachment
- **NTN4788B** Removable Belt Clip Attachment, (SECURENET RADIOS)

**Belt**

- **4200865599** 1.75” wide leather belt for all models

**Carrying Strap**

- **NTN5243A** Adjustable Black Carrying Strap attaches to “D” ring on case

**Chest Pack**

- **HLN6602A** Universal Chest Pack with Radio Holder, Pen Holder, and Velcro Secured Pocket
- **1505596Z02** Replacement Strap for HLN6602

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**NTN5577A**

**NTN5579A**

**NTN5574A**

**4205857B01**

**4282421J06**

**PLN7648A**

**NTN4741B**

**NTN4788B**

**NTN5243A**

**HLN6602A**
Carrying Accessories

**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.


**RadioPAK™**
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* RadioPAK™ Radio/Utility Case

Audio Accessories

**Remote Speaker Microphone (RSM)**
Allows you to talk and listen without removing the radio from the belt, case or charger. Ideal for high noise level environments. This water resistant compact unit has a coiled cord, PTT switch and back cover clip.

*NMN6128C* Remote Speaker/Microphone

*NMN6166C* Remote Speaker Microphone with 2.5 mm Earphone Jack

**UHF Public Safety Microphone (PSM)**
This water-resistant microphone includes a high-low audio switch and straight cord. The external antenna provides additional antenna height for better radiation pattern.

*NMN6129B* UHF Public Safety Microphone (antenna and Velcro patch must be ordered separately)

NMN6154B UHF Public Safety Microphone with 2.5 mm Earphone Jack (antenna, earphone, and Velcro patch must be ordered separately)

5005178K01 Earpiece with Cable for use with NMN6154B

*Intrinsically Safe*
Portable Accessories

Audio Accessories

RSM and PSM Accessories

Microphone Accessories
Antennas for PSM
8505309N09 400-440 MHz
8505309N10 440-470 MHz
8505309N11 470-512 MHz

Velcro Patch
NLN8410A Velcro Patch
Pin Attachment for speaker/microphone assemblies

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

Miscellaneous Accessories

Connector Cover
NTN7061A Universal Connector Cover

MicJackets
MicJackets provide speaker microphone users with a way to further protect the “head” of their microphone from dust, dirt, metal particles, sweat, body oils and other on-the-job grime; MicJackets also allow the user to handle or interact with the speaker microphone in a more hygenic way.
RLN4908A MicJacket, compatible with NMN6128
RLN5001A MicJacket, compatible with NMN6166
RLN5002A MicJacket, compatible with NMN6225
RLN4911A MicJacket, compatible with NMN6154
RLN5004A MicJacket, compatible with NMN6129

Audio Accessories

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

The following Surveillance Kits require NTN5664D adapter:
NSN6050A Receive-only Surveillance Kit (1-Wire kit)
*ZMN6032A Surveillance Kit with Microphone and PTT Combined (2-Wire Kit)

*ZMN6031A Surveillance Kit with Microphone and PTT Separate (3-Wire Kit)
*†ZMN6038A Surveillance Kit with Microphone and PTT Combined, Extra Loud Earpiece (exceeds OSHA limits) (2-Wire Kit)
*ZMN6039A Surveillance Kit with Microphone and PTT Separate, Extra Loud Earpiece (exceeds OSHA limits) (3-Wire Kit)
NTN5664D Surveillance Accessory Adapter (with keyload capability)

* Intrinsically Safe
† Extra Loud Earphone (exceeds OSHA limits)
**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 of noise reduction
- **NTN8371A** Low Noise Kit, includes rubber eartip for low noise environments, does not provide hearing reduction

**Replacement Items**

- **5080384F72** Replacement Foam Plugs; pack of 50 (for use with NTN8370A)
- **5080371E73** Beige Replacement Standard Rubber Eartips; for use with NTN8371A, (pack of 25)
- **5080371E75** Black Replacement Standard Rubber Eartips; for use with NTN8371A, (pack of 25)

**Clear Comfortable Earpiece**

The clear comfortable earpiece forms to the inside of your ear and is perfect for low noise environments. Compatible with the NTN8371A, clear acoustic tube assembly, and most surveillance kits (1-, 2- and 3-wire). This earpiece is made of easy-to-clean chemically inert, hypoallergenic material. Does not provide hearing protection. There are 3 items needed to make this product work:

1. Clear Comfortable Earpiece
2. Clear Acoustic Tube Assembly (NTN8371A)
3. Surveillance Kits

- **RLN4760A** Small Custom Earpiece, right ear
- **RLN4763A** Small Custom Earpiece, left, ear
- **RLN4761A** Medium Custom Earpiece, right ear
- **RLN4764A** Medium Custom Earpiece, left ear
- **RLN4762A** Large Custom Earpiece, right ear
- **RLN4765A** Large Custom Earpiece, left ear

**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** 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

**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**

*BDN6642B* Push-To-Talk Only Interface Module

*BDN6643B* Push-To-Talk and Voice-Activated Interface Module

**Optional Accessories for EMS**

- 0180300E25 Earguard with Adjustable Loop
- *0180358B38* Remote Push-To-Talk Ring Switch
- *0180300E83* Remote Push-To-Talk Body Switch

- 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

- 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)

**Flexible Ear Receiver**

Plugs directly into the NTN5212B adapter or the earjack on the speaker/mics. Earpiece utilizes a foam ear cushion and flexible earloop that rests over the ear.

*BDN6717B* Ear Receiver with 2.5 mm Plug

*NTN5212B* Earjack Accessory Adapter; allows use of any audio accessory with a 2.5 mm connection

* Intrinsically Safe
_audio_accessories

CommPort: Integrated Microphone/Receiver System

The 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.

*NTN1623A Integrated Ear Microphone/Receiver System w/Palm PTT (includes NTN5664D adapter)

*NNTN4185A Integrated Ear Microphone/Receiver System with Remote Push-To-Talk Body Switch (includes NTN5664D adapter)

*NTN1721A Integrated Ear Microphone/Receiver System w/Ring PTT (includes NTN5664D adapter)

*NTN1738A Integrated Ear Microphone/Receiver System with Snap-on Side PTT (includes NTN5664D adapter)

Audio Accessories

NKN6524A Replacement Ring PTT Cable for NTN1721A
NKN6507A Replacement Palm PTT Cable for NTN1623A
NKN6526A Replacement Snap on side PTT Cable for NTN1738A
NNTN4189A Replacement Remote Push-to-Talk Body Switch Cable for NNTN4185A
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
RLN5037A Replacement Ear Tubes (pack of 10)
4285838B01 Replacement Collar Clip
4202006A01 Replacement Back Cover Clip

* Intrinsically safe
Audio Accessories

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

*NMN6050B* Lightweight Headset with Boom Microphone, to be worn on a helmet or safety glasses; requires NTN5913A adapter cable

*NTN5913A* Headset Adapter Cable with Bayonet Jack

**Heavy Duty Headsets**
Heavy duty headsets include noise canceling 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 Voice Activated (VOX) module is contained within the headset on voice activated models. Heavy duty headsets require radio adapter cable to be ordered separately.

*BDN6645A* Push-to-Talk Headset with Boom Microphone, requires adapter cable BDN6640A; noise reduction rating = 24db

*BDN6635B* Voice Activated (VOX) Headset with Boom Microphone, requires adapter cable BDN6640A; noise reduction rating = 24db.

*BDN6636B* Voice Activated (VOX) Headset with Throat Microphone, requires adapter cable BDN6640A; noise reduction rating = 24db.

*BDN6640A* Radio Adapter Cable

**Vehicular Adapter**
The SVA console kits, allow use of the portable radio in a mobile application. Order antenna separately.

*NNSN6054A* 12-Watt External Speaker

*HMN1056D* Microphone, compact palm

*HMN1035C* Microphone, heavy-duty palm

*NMN6150A* Microphone, full-featured display (all other Saber Models except Startsite Saber SST/ATS)

*NMN6169A* Microphone, full-featured systems Saber display (compatible only with system Saber)

*NTN7227E* SVA charging console includes power cables and hardware

* NMN6050B
* BDN6645A (Shown with adapter cable BDN6640A)
* NSN6054A

* Intrinsically Safe
Motorola Heliflex antennas are specifically engineered for maximum output and greatest communication coverage.

**UHF Band**
- **8505816K24** 403-430 MHz Heliflex, 3”
- **8505816K25** 440-470 MHz Heliflex, 3”
- **8505816K26** 470-512 MHz Heliflex, 3”

**High Band**
- **8505816K22** 136-150.8 MHz Heliflex, 6.5”
- **8505816K21** 150.8-162 MHz Heliflex, 6”
- **8505816K23** 162-174 MHz Heliflex, 6”
- **8505816K01** 136-150.8 MHz Heliflex, 6.5”

**Portable Batteries**

**Nickel-Cadmium Premium**
- Part Number: **NTN4593DR**
  - Volts: 7.5
  - Avg. mAh: 1100
  - Height: 3-1/4”
  - Intrinsically Safe: No

- Part Number: **NTN4595DR**
  - Volts: 7.5
  - Avg. mAh: 1800
  - Height: 4”
  - Intrinsically Safe: No

- Part Number: **NTN4538DR** (Submersible)
  - Volts: 7.5
  - Avg. mAh: 1100
  - Height: 3-1/4”
  - Intrinsically Safe: Yes

- Part Number: **NTN4596DR** (Submersible)
  - Volts: 7.5
  - Avg. mAh: 1800
  - Height: 4”
  - Intrinsically Safe: Yes

- Part Number: **NTN4657AR**
  - Volts: 7.5
  - Avg. mAh: 1100
  - Height: 4”
  - Intrinsically Safe: No
  - CSA: Yes
## Batteries

### Portable Batteries

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<tr>
<th>Part Number</th>
<th>Description</th>
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<td>SABER Series (Submersible)</td>
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<td>NTN7058AR</td>
<td>(Submersible/Ruggedized)</td>
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### Lithium-ion Premium

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<td>7.2</td>
<td>1700</td>
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### Nickel-Cadmium impres™

To maximize impres battery features and benefits, an impres charger must be used.

<table>
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<tr>
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<th>Description</th>
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Service Tools

RSX4043A Torque Screwdriver, Order Bits Separately
6680370B89 Spanner Wrench, Removes Spanner Nuts at the Bottom of the Radio
6680371B34 Spanner Tool, Removes Antenna Nut
6680370B88 Spanner Tool, Removes Nuts for Volume Control and Channel Selector Switch
6680321B78 Phillips Power Bit #0, Removes Radio Screws

*6680371B02 Button Screwdriver Bit, Removes Button Screw

Service Aids

Field Modification Kit
Allows for quick field modification of RTX4005 “A” test sets to provide operation with the radio.

RTL4224A Field Modification Kit, RTX4005A

Radio Interface Box
Links radio programming cable and computer interface. Provides required voltage shift to enable communications between radio and computer. Requires computer interface cable and programming cable, and a 9 volt snap type battery (6082728J01), order separately.

RLN4008E Radio Interface Box

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

* for Public Safety Remote Speaker Microphone Accessory (NMN6129A) only.

Housing Eliminator
Replace radio housing while servicing unit. Electrical test points can be accessed on back of RF board.

REN4001C Housing Eliminator

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 power supply polarity protection and input fuse protection are provided.

RTL4224A Battery Eliminator

Computer Interface Cable
Used to connect computers serial adapter to radio interface box.

3080369B71 Cable, RIB to 25 pin D
3080369B72 Cable, RIB to 9 pin D

* for Public Safety Remote Speaker Microphone Accessory (NMN6129A) only.
Service Aids

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

RTK4203C Test and Programming Cable

RF Adapter Cable
Must be used in conjunction with REN4001A housing eliminator. Radio housing must be removed.
0180358A63 RF Adapter Cable
Terminated with BNC Male, Other End Mates with Radio Side Connector

Battery Load Tester
Tests battery under simulated load conditions. Has self contained voltmeter that shows battery voltage.
RTL4237A Battery Load Tester

Test Cable
Used with Securenet equipped R2000 Series System Analyzers to test Saber radios with Securenet options. This cable is used with RTL4200A junction box and is part of RPX1013A Accessory Kit.
0180358A60 Test Cable

Programming Software
Utilizing your personal computer, this software enables you to add or reprogram frequencies as your requirements change. Compatible with IBM XT, AT, Model 30 50, 60 and 80. Requires Radio Interface Box and proper cables; order separately.
RVN4002K Programming Software, 3-1/2 ” Diskette (includes manual and storage box)

Manuals

6881065C60 Saber I Instructions Manual
6881065C65 Saber II, III Instruction Manual
6881043C90 SecureNet High Band Service Manual
6881045C75 SecureNet UHF Band Service Manual
6881067C10 Systems Saber and Saber ATS Service Manual
6881066C95 System Saber, UHF Service Manual
0180305J46 Ear Microphone System and Temple Transducer CD-ROM
0180305J70 impres™ System 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.

Advanced Radio Systems, Inc
8726 NW 26 Street #6
Miami, Florida 33172
Voice Numbers: 305-884-1795
Toll Free: 1-866-900-Mall (6255)
Fax Number: 305-884-1985

12/25/2006