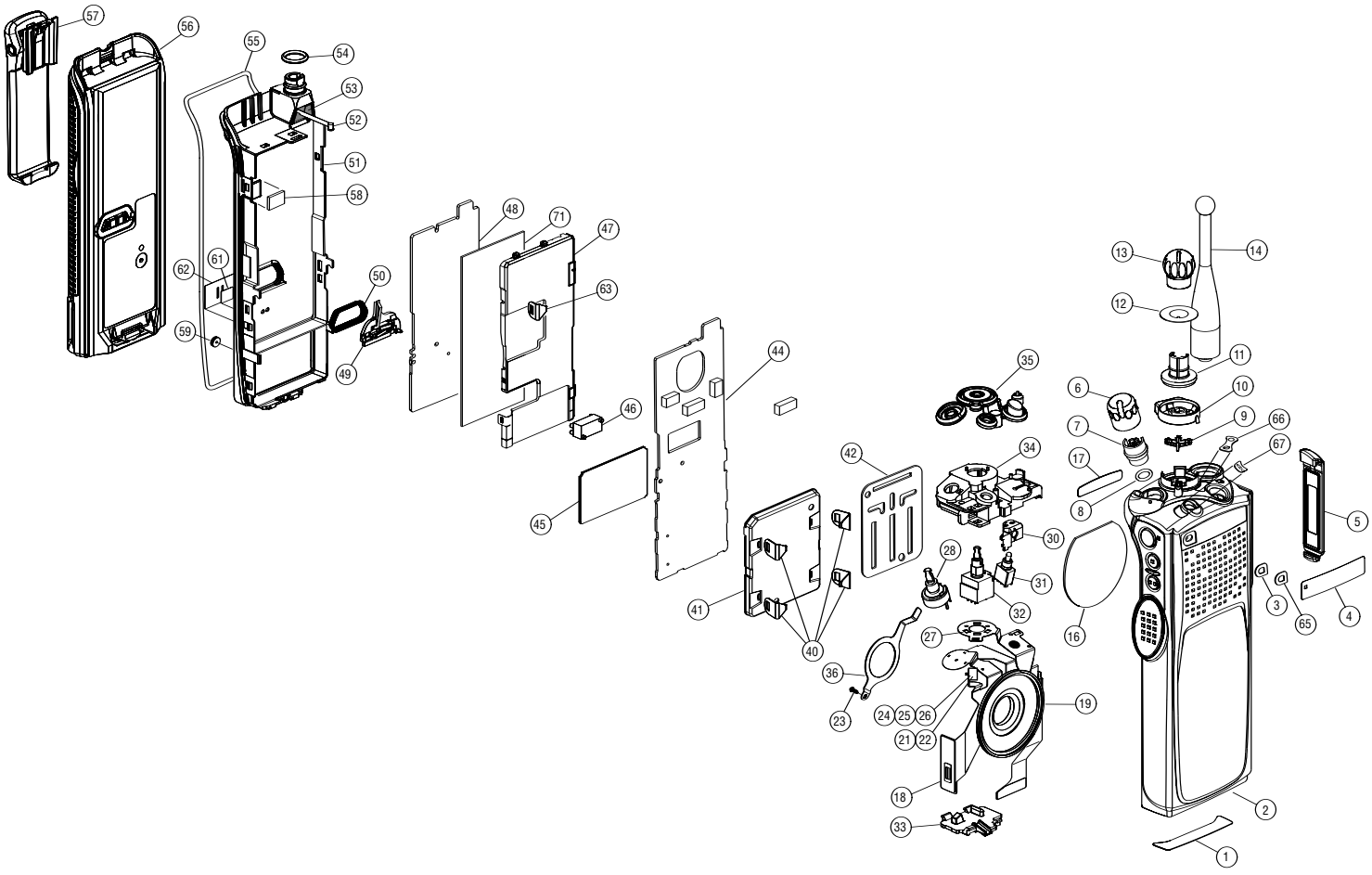
XTS5000 Series

Parts List



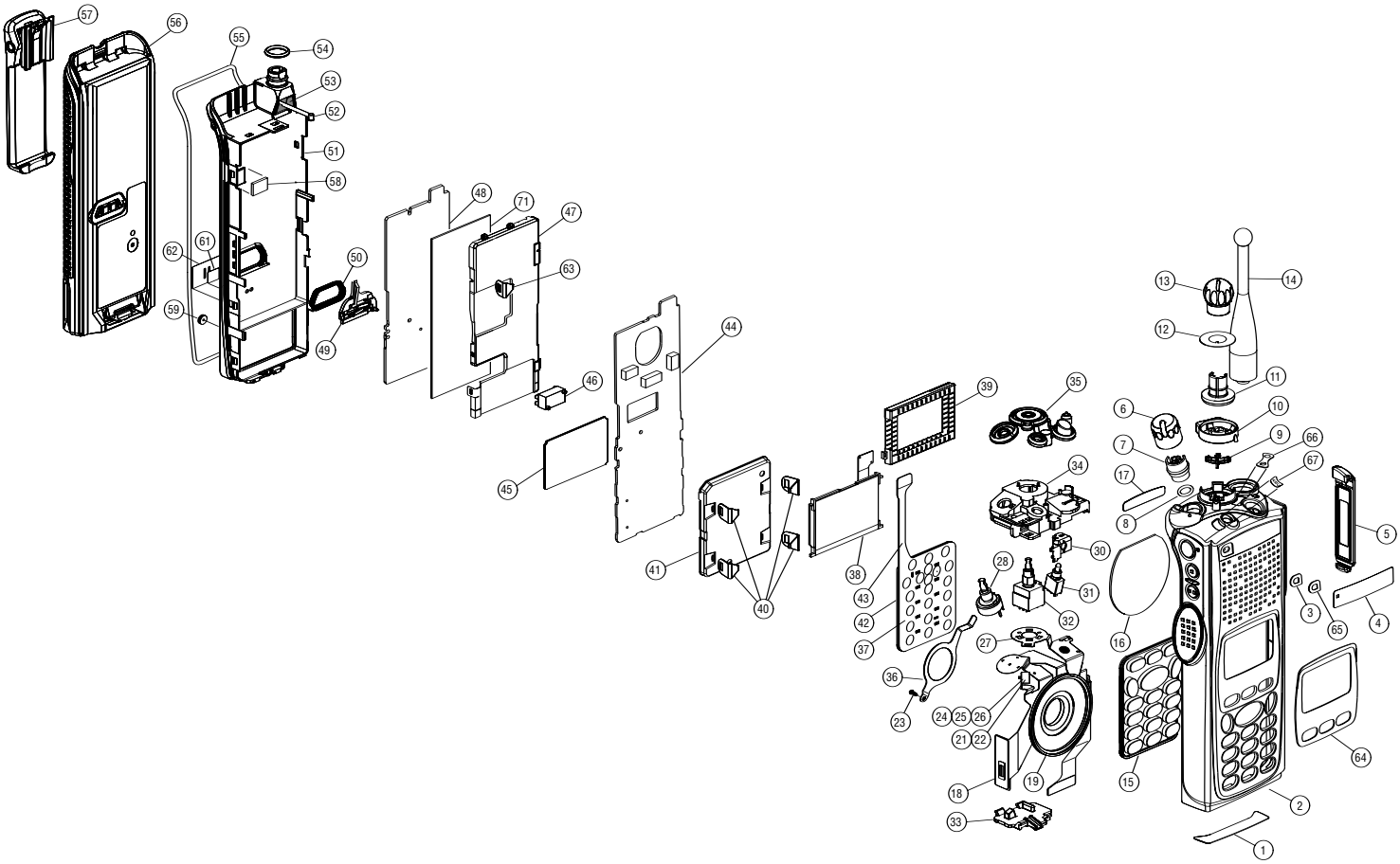
Model I

REF. NO.	PART NO.	DESCRIPTION
1	**3305630Z01**	Label,Motorola Bottom (part of item 2)
2	**1585468D07**	Assembly, Model I Housing (Standard Models)
	or	(includes items 1, 3, 4, 5, 16, 17, and 65 thru 67)
	1585468D10	Assembly, Model I Housing (R Models)
	or	(includes items 1, 3, 4, 5, 16, 17, and 65 thru 67)
	1585468D13	Assembly, Model I Housing (Yellow R Model)
		(includes items 1, 3, 4, 5, 16, 17, and 65 thru 67)
3	**3285757D01**	Membrane, Microphone (part of item 2)
4	**3385221D01**	Label, Motorola Front (part of item 2)
	or	
	3385221D02	Label, Motorola Front (R Model) (part of item 2)
	or	
	3385221D03	Label, Motorola Front (Yellow R Model)
		(part of item 2)
5	**1505579Z01**	Cover, Universal Connector (part of item 2)
6	**3605371Z01**	Knob, Volume
7	**4305372Z01**	Insert, Volume Knob Retainer
8	**3205379W01**	"O"-Ring, Volume Torque
9	**6105376Z01**	Lightpipe, Indicator
10	**4505375Z01**	Lever, Secure
11	**4305373Z02**	Insert, Frequency Knob Retainer
12	**1305374Z03**	Escutcheon, Frequency Dial
13	**3605370Z01**	Knob, Frequency
14	**8505241U03**	Antenna, 800MHz Whip (806-870MHz)
	or	
	8505241U06	Antenna, 800MHz Stubby1/4 Wave (806-870MHz)
	or	
	8505241U11	Antenna, 700/800MHz Whip (764-870MHz)
16	**3585340D01**	Mesh, Speaker (part of item 2)
17	**3305574Z01**	Label, Motorola back (part of item 2)
	or	
	3305574Z02	Label, Motorola back (Yellow R Model)
		(part of item 2)
18	**0105956T85**	Assembly, Controls Universal Flex (includes items
		19, 21, 22, 24 thru 28, and 30 thru 34)
19	**5085272D01**	Speaker (part of item 18)
21	----	Microphone, Electret (part of item 18)
		(not field replaceable)
22	----	Capacitor, 56pF (part of item 18)
		(not field replaceable)
23	**0300140332**	Screw, Tapping - 28 x 3/16
24	**0660076A93**	Resistor, 68kΩ (part of item 18)
25	**0660076A96**	Resistor, 91kΩ (part of item 18)

REF. NO.	PART NO.	DESCRIPTION
26	**0660076B05**	Resistor, 150kΩ (part of item 18)
27	**4805729G99**	LED, Green/Red (5 req'd) (part of item 18)
28	**1805629V04**	Potentiometer, Volume (part of item 18)
30	**1486164A02**	Boot, Microphone Boot (part of item 18)
31	**4005572W04**	Switch, Toggle, 3 Pos. A/B/C (part of item 18)
32	**4002622J04**	Switch, Frequency (part of item 18)
33	**0705357Z01**	Bracket, Controls Bottom (part of item 18)
34	**0705352Z01**	Bracket, Controls (part of item 18)
35	**3205354Z02**	Seal, Controls
36	**4285400D01**	Retainer, Speaker
40	**4205631Z01**	Clip, Control Locking (Part of item 41) (4 req'd)
41	**2685567D01**	Shield, Controller Front (Includes items 40 and 42)
42	**4285288D01**	Retainer (Part of item 41)
44	**NTN9564C**	Kit, VOCON Board
45	----	Kit, Encryption UCM II
46	**2885866A01**	Connector, Compression, 26-Pin
47	**2685220D06**	Shield, RF with Insulator and Clip (Includes item 63)
48	**NUF3577A**	Kit Transceiver Board, 700/800MHz
49	**0985973B01**	Assembly, B+
	or	
	----	Assembly, B+ (R Models)
50	**3205351Z01**	Seal, B+
	or	
	3205351Z02	Seal, B+ (R Models)
51	**2785219D01**	Assembly, Casting
	or	
	2785219D04	Assembly, Casting (R Models)
52	**3005664Z01**	Assembly, Coaxial Cable
53	**7505487Z01**	Pad, Coaxial
54	**3205082E96**	Gasket, O-Ring Bushing
55	**3205349Z03**	Seal, Main
56	----	Battery, NiCd, Ultra-High Capacity
57	**NTN8266B**	Kit, Belt Clip
58	**3262737D01**	Pad, Thermal
59	**3285688D01**	Plug, Vacuum Test Port
61	**3285877B02**	Seal, Port
62	**3385873B01**	Label, Seal
63	**4285704D01**	Clip, RF Locking (Part of item 47)
65	**3585741D01**	Mesh, Microphone (part of item 2)
66	**3385658D01**	Escutcheon, Concentric Switch (part of item 2)
67	**3385657D01**	Escutcheon, Toggle (part of item 2)
71	**7585936D01**	Pad

XTS5000 Series

Parts List



XTS5000 Series

Parts List

Model II & III

REF. NO.	PART NO.	DESCRIPTION
1	**3305630Z01**	Label, Motorola Bottom (part of item 2)
2	**1585468D08**	Assembly, Model II Housing (Standard Models)
	or	(includes items 1, 3, 4, 5, 16, 17, and 64 thru 67)
	1585468D11	Assembly, Model II Housing (R Models)
	or	(includes items 1, 3, 4, 5, 16, 17, and 64 thru 67)
	1585468D14	Assembly, Model II Housing (Yellow R Model)
		(includes items 1, 3, 4, 5, 16, 17, and 64 thru 67)
	1585468D09	Assembly, Model III Housing (Standard Models)
	or	(includes items 1, 3, 4, 16, 17, and 64 thru 67)
	1585468D12	Assembly, Model III Housing (R Models)
	or	(includes items 1, 3, 4, 16, 17, and 64 thru 67)
	1585468D15	Assembly, Model III Housing (Yellow R Model)
		(includes items 1, 3, 4, 5, 16, 17, and 64 thru 67)
3	**3285757D01**	Membrane, Microphone (part of item 2)
4	**3385221D01**	Label, Motorola Front (part of item 2)
	or	
	3385221D02	Label, Motorola Front (R Models) (part of item 2)
	or	
	3385221D03	Label, Motorola Front (Yellow R Models)
		(part of item 2)
5	**1505579Z01**	Cover, Universal Connector (part of item 2)
6	**3605371Z01**	Knob, Volume
7	**4305372Z01**	Insert, Volume Knob Retainer
8	**3205379W01**	"O"-Ring, Volume Torque
9	**6105376Z01**	Lightpipie, Indicator
10	**4505375Z01**	Lever, Secure
11	**4305373Z02**	Insert, Frequency Knob Retainer
12	**1305374Z03**	Escutcheon, Frequency Dial
13	**3605370Z01**	Knob, Frequency
14	**8505241U03**	Antenna, 800MHz Whip (806-870MHz)
	or	
	NAF4000B	Antenna, 800MHz Dipole (806-870MHz)
	or	
	8505241U06	Antenna, 800MHz Stubby1/4 Wave (806-870MHz)
	or	
	8505241U11	Antenna, 700/800MHz Whip (764-870MHz)
15	**7585104D01**	Keypad, Model III
	or	
	7585104D02	Keypad, Model II
16	**3585340D01**	Mesh, Speaker (part of item 2)
17	**3305574Z01**	Label, Motorola Back (part of item 2)
	or	
	3305574Z02	Label, Motorola Back (Yellow R Models)
		(part of item 2)
18	**0105956T85**	Assembly, Controls Universal Flex (includes items
		19, 21, 22, 24 thru 28, and 30 thru 34)
19	**5085272D01**	Speaker (part of item 18)
21	----	Microphone, Electret (part of item 18)
		(not field replaceable)
22	----	Capacitor, 56pF (part of item 18)
		(not field replaceable)
23	**0300140332**	Screw, Tapping - 28 x 3/16
24	**0660076A93**	Resistor, 68kΩ (part of item 18)

REF. NO.	PART NO.	DESCRIPTION
25	**0660076A96**	Resistor, 91kΩ (part of item 18)
26	**0660076B05**	Resistor, 150kΩ (part of item 18)
27	**4805729G99**	LED, Green/Red (5 req'd) (part of item 18)
28	**1805629V04**	Potentiometer, Volume (part of item 18)
30	**1486164A02**	Boot, Microphone Boot (part of item 18)
31	**4005572W04**	Switch, Toggle, 3 Pos. A/B/C (part of item 18)
32	**4002622J04**	Switch, Frequency (part of item 18)
33	**0705357Z01**	Bracket, Controls Bottom (part of item 18)
34	**0705352Z01**	Bracket, Controls (part of item 18)
35	**3205354Z02**	SealL, Controls
36	**4285400D01**	Retainer, Speaker
37	**2685567D03**	Assembly, Keypad Flex, Model III
	or	(Includes items 41 and 43)
	2685567D02	Assembly, Keypad Flex, Model II
		(Includes item 41 and 43)
38	**7285726C01**	Module, LCD
39	**7585189D01**	Pad, Display Locator
40	**4205631Z01**	Clip, Control Locking (part of item 41) (4 req'd)
41	**2685567D01**	Shield, Controller Front (Includes items 40 and 42)
42	----	Retainer (Part of item 41)
43	**8485188D01**	Flex, Keypad, Model III (part of item 37)
	or	
	8485187D01	Flex, Keypad, Model III (part of item 37)
44	**NTN9564C**	Kit, VOCON Board
45	----	Kit, Encryption UCM II
46	**2885866A01**	Connector, Compression, 26-Pin
47	**2685220D06**	Shield, RF with Insulator and Clip (Includes item 63)
48	**NUF3577A**	Kit, Transceiver Board, 700/800MHz
49	**0985973B01**	Assembly, B+
	or	
	----	Assembly, B+ (R Models)
50	**3205351Z01**	Seal, B+
	or	
	3205351Z02	Seal, B+ (R Models)
51	**2785219D01**	Assembly, Casting
	or	
	2785219D04	Assembly, Casting (R Models)
52	**3005664Z01**	Assembly, Coaxial Cable
53	**7505487Z01**	Pad, Coax
54	**3205082E96**	Gasket, O-Ring Bushing
55	**3205349Z03**	Seal, Main
56	----	Battery, NiCd, Ultra-High Capacity
57	**NTN8266B**	Kit, Belt Clip
58	**3262737D01**	Pad, Thermal
59	**3285688D01**	Plug, Vacuum Test Port
61	**3285877B02**	Seal, Port
62	**3385873B01**	Label, Seal
63	**4285704D01**	Clip, RF Locking (Part of item 47)
64	**3385419C01**	Bezel, Display (part of item 2)
65	**3585741D01**	Mesh, Microphone (part of item 2)
66	**3385658D01**	Escutcheon, Concentric Switch (part of item 2)
67	**3385657D01**	Escutcheon, Toggle (part of item 2)
71	**7585936D01**	Pad

XTS5000 Series

Portable Accessories

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

NTN1177D

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)

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) and Nickel Metal Hydride (NiMH) batteries in approximately an hour.

WPPN4065BR Shown With Optional Adapter Plates

WPLN4086CR MCC Kit, 110V AC; includes both base unit and 7V adapter

WPLN4087CR MCC Kit, 220V AC; includes both base unit and 7V adapter

WPPN4021CR 7 Volt Adapter plate only

WPPN4065BR Multi-Unit Conditioning Charger Four-station Base, 110V; (order adapter plates separately)

3080384G15 Cigarette Lighter Adapter Cord

RLN4814A

RLN4814A Vehicular Mounting Bracket for single unit Motorola Conditioning Charger

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

HLN9179A Quick-Release Attachment for Mounting Bracket RLN4814

HLN9228A Mounting accessories – Clam shell mounting bracket

XTS5000 Series

Portable
Accessories

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

Increase the useful life of your batteries.

Using interchangeable battery adapters (sold separately), the BMS^{plus} is capable of charging and discharging, analyzing, conditioning and cycle testing 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

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

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

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

BMS^{plus} Adapters

WPPN4019AR Adapter, NiCd only

WPPN4022AR Adapter, NiCd and NiMH

WPPN4086AR Adapter, NiCd, NiMH and Li-ion

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-75765 Adapter, XTS5000

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

MOTOROLA ORIGINAL

XTS5000 Series

Portable Accessories

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 Smart Energy System Charger

WPLN4108BR impres Smart Energy System 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 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 including the version of the charger and display modules.

WPLN4130AR 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 (Requires unit to be sent to the Rockford Service Center – instruction sheet provided)

WPLN4130AR

Chargers

impress™ Bundle Packs

Provide significant savings on the impess™ products by bundling a charger and batteries together as a Smart Energy System package.

RLN5263A impress Charger with two HNN9031AR batteries

RLN5262A impress Charger with two HNN9023AR batteries

RLN5486A impres Charger with two NNTN4436AR Intrinsically Safe (FM) batteries.

RLN5487A impres Charger with two NNTN4437AR ruggedized batteries.

RLN5441B impress Multi-Unit Charger with six HNN9032AR batteries

RLN5443B impress Multi-Unit Charger with six HNN9031AR batteries

RLN5489B impres Multi-unit Charger with six NNTN4436AR batteries

RLN5490B impres Multi-unit Charger with six NNTN4437AR batteries

Vehicular Charger

This vehicular charger is a 12V DC that supports nickel cadmium (NiCd), nickel metal hydride (NiMH), and Lithium Ion (Li-ion) batteries for XTS3000, XTS3500 and XTS5000. A microprocessor senses the type of battery installed and controls the rate of charge accordingly. Batteries are charged at a rapid rate until fully charged at which point the unit reverts to a trickle charge. Batteries can be charged while on the radio or stand alone. The radio can be operated while in the charger and this unit is PAC RT compatible. The vehicular charger consists of a console, mounting hardware, and a supply cable.

NTN9176B

NTN9176B Vehicular Charger

XTS5000 Series

Portable
Accessories

Chargers

Travel Charger

RLN4884A

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 voltage-regulated 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

Vehicular Adapters

Allows customers to adapt XTS3000, XTS3500 and XTS5000 portables for mobile operation. Provides in-vehicle rapid and trickle charging for nickel cadmium (NiCd), nickel metal hydride (NiMH), and Lithium Ion (Li-ion) batteries. These units offer quick radio release and dead battery operation and are powered by attaching their supply cable to the 12V battery inside a police car, utility truck or other vehicle. Connectors are provided for the vehicle antenna, mobile microphone and optional amplified loudspeaker (HSN1000B). There is also a general interface connector for additional accessories. A color LED indicates battery recharge status. For XTVA operation, a microphone and RF switch (NTN8327A) are required. The required mobile microphone and optional loudspeaker allow for operation of the portable radio that is similar to that of a mobile.

NTN8561F XTS Vehicular Adapter, Closed Face, Mini-UHF

NTN8560F XTS Vehicular Adapter, Open Face with limited keypad access, Mini-UHF

NTN1607F XTS Vehicular Adapter, Closed Face, BNC

NTN1606F XTS Vehicular Adapter, Open Face with limited keypad access, BNC

Adding accessories to the vehicular adapters requires one of the following two kits:

NTN8941A XTVA Data Cable Kit

NTN8943A XTVA Accessory Adapter Kit

Chargers

Additional Accessories for the Vehicular Adapters

HMN4069E Standard White Palm Microphone

PLN7737B Hand Held Control Head

NTN8940B Trunnion (Required)

HSN1000B External Speaker Amplified, 6 Watts

HLN9330B Emergency Foot Switch

GLN7280A Emergency Pushbutton

6685687A01 Tool Wrench for RF Switch (Required)

NTN8327A RF Adapter (Required)

NKN6455A MTVA PA/Speaker Cable

XTS5000 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.

Model I Radios Only

NTN8387A Leather Carry Case with Belt Loop and T-Strap

NTN8385B High Activity Swivel Leather Carry Case with 2.5″ Swivel Belt Loop and T-Strap

NTN8386B High Activity Swivel Leather Carry Case with 3.0″ Swivel Belt Loop and T-Strap

NTN8725A High Activity Nylon Carry Case with Belt Loop and T-Strap

NTN8385B

Model II & III Radios Only

NTN8382B Leather Carry Case with Belt Loop and T-Strap

NTN8382B

NTN8380C High Activity Swivel Leather Carry Case with 2.5″ Swivel Belt Loop and T-Strap

NTN8380C

NTN8381C High Activity Swivel Leather Carry Case with 3.0″ Swivel Belt Loop and T-Strap Nylon Carry Case

NTN8725A High Activity Nylon Carry Case with Belt Loop and T-Strap

NTN9184A Leather Carry Case with Belt Loop for Clamshell Battery

NTN8381C

Carrying Accessories

Carrying Case Accessories

T-Straps

NTN8383A Leather T-Strap Plain Action Snap

NTN8384A Leather T-Strap Hard Action Snap

High Activity Belt Loops

NTN8039B

NTN8039B 2.5″ Leather Swivel Belt Loop

NTN8040B 3.0″ Leather Swivel Belt Loop

NTN9179A High Activity Swivel 3.0″ Belt Loop with "D" clip for battery

NTN8040B

NTN9212A "D" clip for battery (for use with NTN9213A only)

NTN9213A 3.0″ Belt Loop, High Activity

Belt Clips

NTN8266A Standard Removable Belt Clip Attachment

NTN8460A 3.0″ Removable Belt Clip Attachment

Belt

4200865599 1.75″ wide leather belt

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

HLN6602A

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

RLN4815A

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

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″

TDN9327A

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

NMN6193C

Public Safety Speaker/Microphones (PSM)

Public safety speaker microphones include straight cord assembly, 3.5mm earjack, swivel clip, quick disconnect latch, antenna connector, and receive audio high/low toggle switch. Antenna must be ordered separately. Use radio antennas on page 572. Requires NTN8327A RF adapter.

NMN6247A

***NMN6247A** Public Safety Microphone with Straight Cord, 30″; requires NTN8327A

***NMN6250A** Public Safety Microphone with Straight Cord, 24″; requires NTN8327A

***NMN6251A** Public Safety Microphone with Straight Cord, 18″; requires NTN8327A

** Intrinsically Safe*

XTS5000 Series

Portable Accessories

Audio Accessories

XTS Series Commander™ Remote Speaker Microphone

The Commander Remote Speaker Microphone is enhanced with controls normally found only on the radio itself. You can take command of communication with a Push-to-Talk (PTT) Button, Emergency Button, Volume Control, 16-Channel Select Knob and 2 Programmable Buttons. This water resistent Remote Speaker Microphone also features a receive-only 3.5mm earphone jack to allow for discrete conversations. What's more, the controls are specially designed for users who wear large gloves: the buttons are large, and the channel selector knob provides tactile feedback at each position. Compatible with XTS3000, XTS3500 and XTS5000 two-way radios. Intrinsically Safe (FM) when used with Intrinsically Safe XTS3000, XTS3500 and XTS5000 radios.

***RMN5021A** Commander Remote Speaker Microphone

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

RLN4294A Epaulet Strap, Velcro

RLN4295A Epaulet Strap, small clip

RLN4295A

RF Adapter

***NTN8327A** RF Adapter; required for use with public safety microphone

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

BDN6641A
Requires interface module sold separately

Interface Modules For EMS

***BDN6708B** Push-To-Talk Interface Module

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

Optional Accessories for EMS

0180358B33

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

** Intrinsically Safe*

XTS5000 Series

Portable
Accessories

Audio Accessories

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)

***NTN1663A** Integrated ear microphone/receiver system with ring PTT (includes BDN6676D 3.5mm jack adapter)

***NTN1736A** CommPort integrated microphone/receiver with snap on side Push-To-Talk (includes BDN6676D 3.5mm jack adapter)

NTN1624A

NNTN4186A Integrated Microphone/Receiver System with Remote Push-To-Talk Body Switch (includes BDN6676D 3.5mm jack adapter)

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

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 (pack of 10)

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 in-line 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 first alarms, the intercom, traffic and even casual conversations with their co-workers.

***RMN4049A** Temple Transducer

Racing Headset for Two-Way Radios

Motorola is the official wireless equipment supplier of CART®, so whether your custmers' 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, XTS3000, XTS3500 and XTS5000

RMN5015A

** Intrinsically Safe*

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

***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

NMN6258A

5080548E02 Replacement Windscreen for Boom Microphone

3280376E35 Replacement O-ring for Windscreen

4204004K01 Replacement Adjustable Headstrap for NMN6259A

Audio Accessories

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

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

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.

RMN4051B Two-Way Hardhat Mount Headset, black

RMN4051B

Adapter Cables

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

** Intrinsically safe*

XTS5000 Series

Portable Accessories, Batteries

MOTOROLA

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 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

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

BDN6635B

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

BDN6636B

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

***BDN6673B** Radio Adapter Cable

Batteries

Nickel-Cadmium Premium

NTN8294BR

Part Number: **NTN8294BR**
Volts: 7.5
Avg mAh: 1525
Height: 6-1/8˝
Intrinsically Safe: No

Part Number: **NTN8295AR**
Volts: 7.5
Avg mAh: 1525
Height: 6-1/8˝
Intrinsically Safe: Yes

Part Number: **NTN8297AR**
Volts: 7.5
Avg mAh: 1525
Height: 6-1/8˝
Intrinsically Safe: Yes
Ruggedized: Yes

Nickel-Cadmium impres™

Part Number: **HNN9031AR**
Volts: 7.5
Avg mAh: 1525
Height: 6-1/8˝
Intrinsically Safe: No

Part Number: **HNN9032AR**
Volts: 7.5
Avg mAh: 1525
Height: 6-1/8˝
Intrinsically Safe: Yes

Nickel Metal Hydride impres™

Part Number: **NNTN4436AR**
Volts: 7.5
Avg. mAh: 2000 (1800 min.)
Height: 6-1/8"
Intrinsically Safe: Yes

Part Number: **NNTN4437AR**
Volts: 7.5
Avg. mAh: 2000 (1800 min.)
Height: 6-1/8"
Intrinsically Safe: Yes
Ruggedized: Yes

** Intrinsically Safe*

MOTOROLA ORIGINAL

XTS5000 Series

Batteries, Antennas, Miscellaneous

MOTOROLA

Batteries

Nickel Metal Hydride Premium

Part Number: **NTN8299BR**
Volts: 7.5
Avg mAh: 1700
Height: 6-1/8″
Intrinsically Safe: Yes

NTN8299BR

Part Number: **NTN8923AR**
Volts: 7.5
Avg mAh: 1800
Height: 6-1/8″
Intrinsically Safe: No

Part Number: **RNN4006B**
Volts: 7.5
Avg mAh: 3500
Height: 6-1/8″
Intrinsically Safe: No

Part Number: **RNN4007AR**
Volts: 7.5
Avg mAh: 3500
Height: 6-1/8″
Intrinsically Safe: Yes

Lithium-ion Premium

Part Number: **NTN8610BR**
Volts: 7.5
Avg mAh: 1650
Height: 6-1/8″
Intrinsically Safe: No

Alkaline Premium Battery Shells

NTN9177A Disposable Battery Shell – Black

NTN9103A Disposable Battery Shell – Orange

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″

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

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

8505241U06

Miscellanoeous

Public Safety Tilt Switch

***NTN7660B** Public Safety Tilt Switch. An external emergency switch that is activated when the unit is tilted at a greater than 60 degree angle. The emergency feature must be programmed in radio to enable the tilt position.

** Intrinsically safe*

XTS5000 Series

Service Tools, Aids, Manuals

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

RLN4008E

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

Computer Interface Cable

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

3080369B71 Cable, RIB to 25 pin D

3080369B72 Cable, RIB to 9 pin D

3080369B71

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

Service Aids

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 Radio Service Software Manual
6881083C70	I VHF, UHF, 800MHz User's Guide
6881083C75	II and VHF, UHF, 800MHz User's Guide
6881083C85	Basic Service Manual
6881083C90	Detailed Service Manual
0180305J46	Ear Microphone System and Temple Transducer CD-ROM
0180305J70	impres™ System CD-ROM