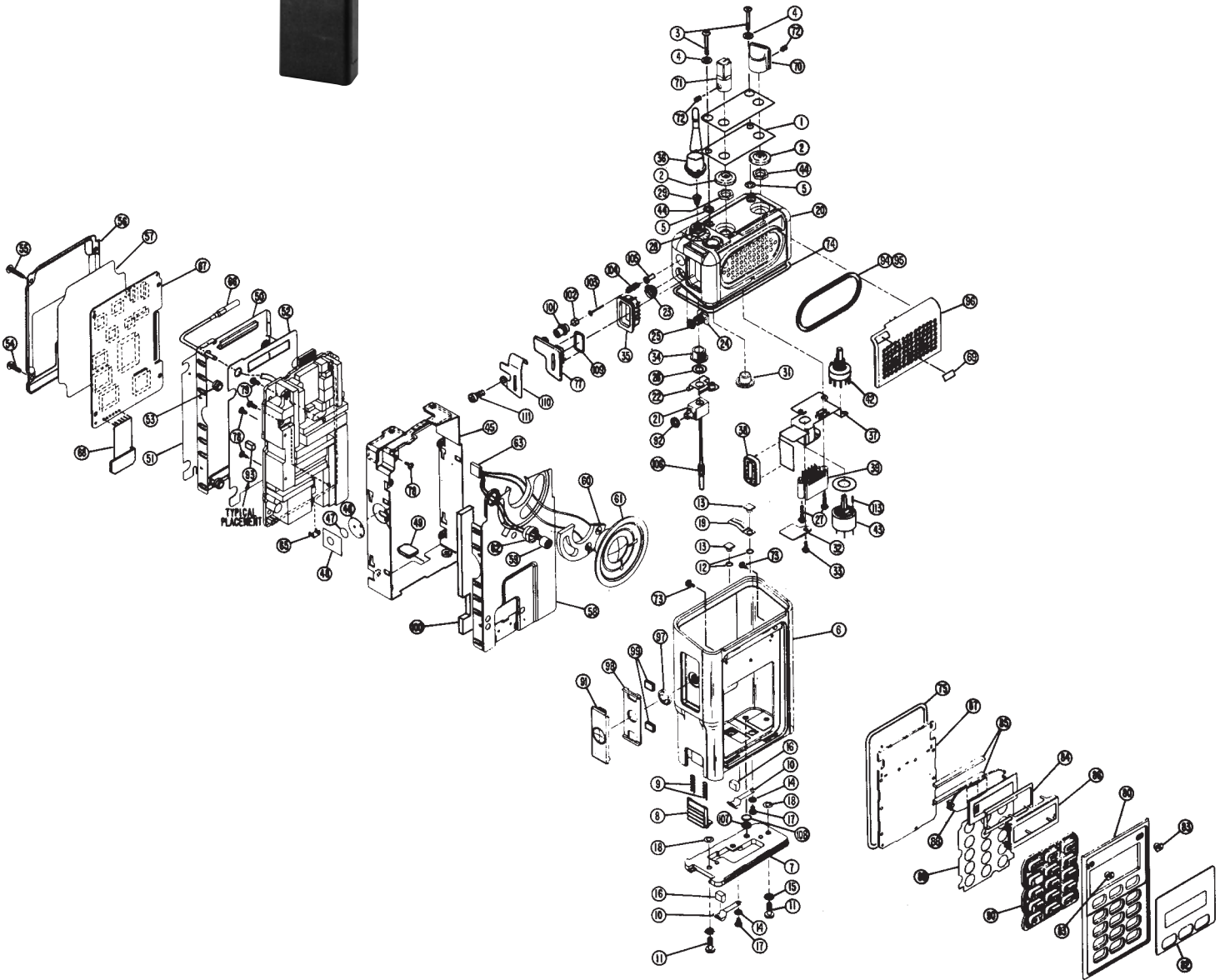


# STX Series



## Parts List



**Replacement parts may no longer be available**

# STX Series

## Parts List

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	----	Plate, Escutcheon	46	----	PCB, PTT (not field replaceable; order item 45)	84	----	Insulator, LCD (not field replaceable; order item 80 or 81)
2	<b>3205933J02</b>	Seal, Switch (some models require only one)	47	----	Contact, Snap-Dome (not field replaceable; order item 45)	85	----	Elastomer, LCD (not field replaceable; order item 80 or 81)
3	<b>0305941K04</b>	Screw, Control Top, #4-40 HEXBTN	48	----	Seal, Dome (not field replaceable; order item 45)	86	----	Bezel, LCD (not field replaceable; order item 80 or 81)
4	----	Lockwasher, #4	49	----	Insulator, B+	87	----	Display Board Kit w/ LCD/LED (not field replaceable; order item 80)
5	<b>3205082E11</b>	"O" Ring	51	----	Insulator, Logic – not available	88	----	Light Pipe, LCD (not field replaceable; order item 80)
6	<b>0105957K69</b>	Lower Housing Kit (includes items 97 and 98)	52	----	Insulator, RF – not available	89	----	Shield, Static (not field replaceable; order item 80)
7	<b>6405473N01</b>	Baseplate	53	----	Standoff (not field replaceable; order item 50)	90	----	Keypad, 12-Key (not field replaceable; order item 80)
8	<b>5505727N01</b>	Latch, Battery	54	----	Screw, #2-56 PHLPAN	91	<b>4505369Q01</b>	Lever, PTT
9	<b>4105944K01</b>	Spring, Latch	55	<b>0305731J06</b>	Screw, #2-56 PHLPAN	92	<b>3205853H02</b>	Gasket
10	<b>3905421C13</b>	Contact, Battery	56	<b>NTN4519A</b>	Rear Shield Kit (includes item 57)	93	----	Pad, RF
11	<b>0305941K02</b>	Screw, Baseplate, #4-40	57	----	Insulator, Rear – not available	94	----	Retainer, Membrane (not field replaceable; order item 20)
12	<b>3205082E24</b>	"O" Ring	58	<b>2605723N01</b>	Shield, Front	95	----	Membrane (not field replaceable; order item 20)
13	<b>4605945K03</b>	Bushing, B+	59	<b>5005227J02</b>	Front Shield Kit (includes items 59-63 and 100)	96	----	Grille, Upper Housing (not field replaceable; order item 20)
14	<b>040002625</b>	Lockwasher, #2	60	<b>1105477N01</b>	Microphone (see Transceiver Board Parts List), (MK501)	97	----	Actuator, PTT (not field replaceable; order item 6)
16	<b>0705830C02</b>	Support, Contact	61	<b>5005269T03</b>	Adhesive, Speaker	98	----	Retainer, PTT (not field replaceable; order item 6)
17	<b>0300138651</b>	Screw, #2-56 x 1/8" PHLPAN	62	----	Speaker, Transducer, 8 ohms, LS501	99	<b>1105668K35</b>	Pad, Urethane
18	<b>3205082E11</b>	"O" Ring	63	<b>0905212P02</b>	Boot, Microphone	100	----	Insulator, Front – not available
19	----	Contact, B+	65	<b>4205474P01</b>	Connector, Speaker/Mic. (J2)	101	----	Nut, Retainer
20	----	Upper Housing Kit w/o Rotary Switch (includes items 34 and 94-96)	66	<b>0905006P01</b>	Clip, B+	102	<b>1405664J01</b>	Insulator, Plunger
	----	Upper Housing Kit w/ Rotary Switch (includes items 34 and 94-96)	68	<b>8405758N03</b>	Plug, Coax, RF	103	<b>4405829J01</b>	Plunger, RF Switch
21	<b>0105952M69</b>	RF Switch; Kit (includes items 22 and 106)	69	<b>3305206P01</b>	Interconnect, Display	104	<b>4105836J01</b>	Spring, RF Switch
22	<b>0405483P01</b>	Washer, RF Jack	70	<b>3605295P01</b>	Label, Emergency	105	<b>1405787C01</b>	Insulator, Spring
23	<b>0205578M01</b>	Nut, Stud	71	<b>3605295P02</b>	Label, Volume Set	106	<b>0905006P02</b>	Socket, Coax, RF (P4)
24	<b>4305577M01</b>	Stud	72	<b>0305480E02</b>	Knob, Volume Switch	107	<b>3205082E25</b>	"O" Ring, Port
25	<b>3205472P07</b>	"O" Ring, Stud	73	----	Knob, Subfleet Switch (used only on Rotary Switch Models)	108	----	Seal, Port
26	<b>3205639F03</b>	Gasket	74	<b>3205082E66</b>	Screw, Set. #4-40 x 3/32" (only one used on Non-Rotary Switch Models)	109	<b>3205473P04</b>	"O" Ring, Side Seal
27	<b>0300140383</b>	Screw, #2-56 x 9/16" PHLPAN	75	<b>3205082E67</b>	Screw, Front Cover	110	<b>NTN5023A</b>	Retainer, Side Seal
28	<b>0205588M01</b>	Nut, Antenna Seal	77	<b>3205606P01</b>	"O" Ring, Control-Top	113	----	Pin, Stop
29	<b>0905771F02</b>	Pin, Coaxial	78	<b>0300136782</b>	"O" Ring, Front Cover			
31	<b>3905698N01</b>	Switch, Control	79	<b>0300139444</b>	Seal, Side			
32	<b>6405187P01</b>	Plate, Control Switch	80	<b>RPX1020A</b>	Screw, #2-56 x 5/16" PHLPAN			
33	<b>0300136782</b>	Screw, #2-56 x 3/16" PHLPAN		<b>RPX1021A</b>	Screw, #2-56 x 5/32" PHLPAN			
34	----	Bushing, Antenna (not field replaceable; Order item 20)		<b>RPX1023A</b>	Plain Front Cover Kit (includes items 82 and 83)			
35	<b>1505673C03</b>	Connector, Side (J601)			3-Key Front Cover Kit (includes items 81-90)			
36	<b>NAF4000B</b>	Antenna, 800MHz Dipole			12-Key Front Cover Kit (includes items 82, 83, 87, 89 and 90)			
37	----	Control-Flex Kit w/o Rotary Switch (includes items 38-42)			Escutcheon, Front Cover, 3-Key			
38	<b>0905675C01</b>	Socket			Escutcheon, Front Cover, 15-Key			
39	<b>0905463Q01</b>	Connector, 20-Pin (J1)			Nut, Front Cover			
42	<b>1805799P01</b>	Potentiometer, (R601, Volume, On/Off)						
43	<b>RPX4689A</b>	Switch, Subfleet (Optional)						
44	<b>0200140458</b>	Nut, Switch						
45	----	Frame Kit (includes items 46-49) – not available						

**Cancelled Product STX Series:  
Aftermarket support criteria has  
been met for spare parts. Items  
may no longer be available.**

# STX Series

## Portable Accessories

### Chargers



NLN8858A

#### Single Unit Chargers

They are capable of charging batteries while they are on or off of the radio. When the battery is fully charged, a visual indication is given (if it is a rapid charger) and the

charger automatically reverts to a trickle charge rate. Actual charging time varies directly with battery capacity

**NLN8858A** Rapid Charge, 117 Volt

#### Adapter Kit

**NTN4529A** Adapter Kit, for 6 Unit Charger (for wall or rack mount applications)

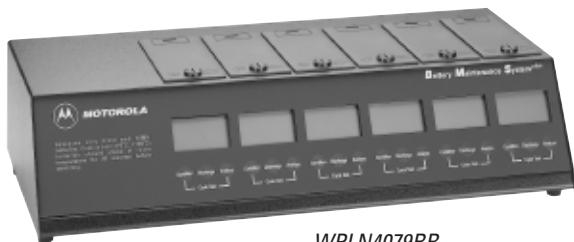
### Battery Maintenance System<sup>plus</sup> (BMS<sup>plus</sup>)

Using interchangeable battery adapters (sold separately), the BMS<sup>plus</sup> is capable of charging and discharging, analyzing, conditioning and cycle test on batteries; tracking battery voltage and capacity (mAh).

The BMS<sup>plus</sup> offers a 3 year warranty. Its easy-to-use design supports hundreds of 2-way, cellular, and camcorder batteries with printer port\* (Serial-RS-232C port – uses female 9-pin to male 25-pin cable).

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

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



WPLN4079BR

#### BMX<sup>plus</sup> Adapter

**TDN9451A** Standard Adapter, STX

### Battery Optimizing System II (BOS II)



WPLN4124AR

No other battery analyzer matches the speed, accuracy, and versatility of the Battery Optimizing System II. Ideal for large fleet, public safety, and all other users who rely on their battery performance. Now with increased power, more sophisticated programming options, and easier to use navigation paths, optimizing your batteries was never easier. Key features include:

- Support for NiCd, NiMH, Li-ion, and SLA batteries
- 100 watt power supply and programmable from 100 mA to 4 amps per station
- Interchangeable adapters accommodate all major brands
- Includes a variety of user programs and allows for customizable programming
- Proprietary recondition cycle restores NiCd and NiMH batteries
- Increased processing power and testing resolution – including a three minute Quicktest that measures the batteries State of Health (SoH)
- Printer output for reports and labels
- Three year warranty

**WPLN4124AR** BOS II, Four-Station, 100-240V AC (US line cord)

**WPLN4125AR** BOS II, Four-Station, 100-240V AC (UK/Euro line cords)

#### BOS II Adapter

**RL-71223** Standard Adapter

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

# STX Series

## Portable Accessories

### 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.

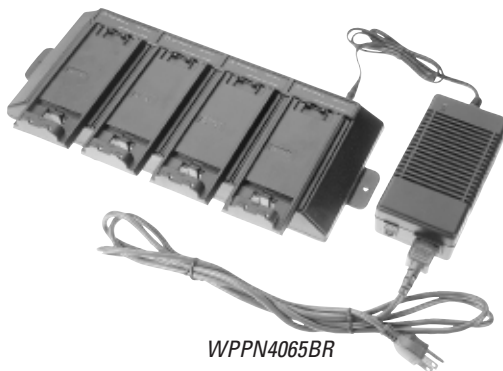


WPPN4002BR

- WPPN4002BR** 110V AC Base Charge Unit only
- WPPN4006AR** 220V AC Base Charge Unit only
- WPPN4000BR** 7 Volt Adapter only
- WPLN4098AR** MCC Kit, 110V AC; includes both base unit and 7V adapter
- WPLN4099BR** MCC Kit, 220V AC; includes both base unit and 7V adapter
- 3080384G15** Cigarette Lighter Adapter Cord
- RLN4814A** Mounting Bracket for Motorola single unit conditioning chargers

### MCC Multi-Unit Conditioning Charger

**WPPN4065BR** Four-station Base, 110V. (Order adapter plates separately)



WPPN4065BR

### 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.



NTN4968A

#### Swivel Carry Cases

**NTN4968A** Leather Carry Case and Swivel Belt Loop Holder, For Medium Capacity Battery (Order Velcro T-strap separately)

**NTN4969A** Leather Carry Case and Swivel Belt Loop Holder, For High Capacity Battery (Order Velcro T-strap separately)



NTN4350A

#### Carry Holder

**NTN4350A** Plastic Carry Holder with Belt Loop, for all models

# STX Series



## Portable Accessories

### Carrying Accessories



#### T-Strap

**4205713P02** Nylon, Velcro, For All Models

4205713P02

#### Full Cover

**NTN4971A** Full Cover, Velcro, For All Models



NTN4971A

#### Belt

**4200865599** 1.75" Wide Leather Belt, For All Models



4200865599



NTN5243A

#### Carrying Strap

**NTN5243A** Carrying Strap, For All Models

#### Belt Loop

**4205857B01** Belt Loop, for Swivel Case, 2"

**4282421J06** Swivel Belt Loop, 2.5"

### Carrying Accessories



NMN6176A

#### Remote Speaker Microphone

Remote speaker microphones allow the user to talk and listen without removing the radio from its carry case or carry holder. It has a top-ported speaker for improved audio reception and audio input.

**NMN6176A** Remote Speaker Microphone with Coil Cord, Clip Back, 2.5 mm Earpiece Jack and Earpiece (NTN4742A)

**NMN6177A** Remote Speaker Microphone with Coil Cord and Clip Back

#### Public Safety Remote Speaker Microphone

This microphone is very similar to the remote speaker microphones, as it is weatherized, and has the top-ported speaker for better audio. There is an antenna for improved coverage.

**NMN6175A** Public Safety Remote Speaker Microphone, with Clip Back, 800-900MHz Antenna Included

**8505241U06** Antenna



NMN6175A

#### Epaulet Strap

Black leather epaulet straps secure remote speaker microphone to epaulet of shirts or jackets and attach around cord.

**RLN4294A** Epaulet Strap, Velcro

**RLN4295A** Epaulet Strap, Small Clip

**NTN4664A** Three wire surveillance accessory with earpiece, microphone, and push-to-talk as separate pieces.

**NTN4742A** Earpiece without Volume Control



RLN4294A



RLN4295A

# STX Series

## Portable Accessories

### Audio Accessories

#### Ear Microphone System

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



BDN6677A

#### Ear Microphones

**BDN6677A** Ear Microphone for Standard Noise Levels (up to 95 dB), Black

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

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



BDN6641A  
Shown with  
interface module

#### Interface Modules

**BDN6644B** Push-To-Talk Interface Module

#### Ear Microphone Optional Accessories

**0180300E25** Earguard with Adjustable Loop

**0180358B38**

Remote Push-To-Talk Ring Switch

**0180358B32** Earholder, Black, Size Small

**0180358B33** Earholder, Black, Size Medium



0180358B38



0180358B33

**0180358B34** Earholder, Black, Size Large

**0180358B35** Earholder, Clear, Size Small

**0180358B36** Earholder, Clear, Size Medium

**0180358B37** Earholder, Clear, Size Large

### Audio Accessories

#### Ear Microphone Accessories (cont'd)

**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)

#### Ear Mics

Single unit microphone and speaker worn in the ear. Eliminates the need for handheld microphones or conventional headsets. Compact, rugged design allows use under hearing protectors and protective clothing. Order cable separately.



RMN4001B

**RMN4001B** Ear Mic

**0180359A42** Interface Cable for STX

**0180359A51** Optional PTT Ring Switch for RMN4001A Only

**0180356B97** Optional PTT Ring Switch for RMN4001B Only



0180359A51



# STX Series



## Portable Accessories

### Audio Accessories

**HMN1015A** Remote Microphone



HMN1015A

**TAF6041A**

806-866MHz Roof Top Antenna

### Headsets

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

Low to moderate noise level (less than 100 dB) lightweight headset with Electret condenser microphone and single speaker.

*NOTE: Cannot be worn with headgear.*

**BDN6350A** In-line push-to-talk switch

**BDN6356A** Body/foot switch that can be belt mounted

**BDN6358A** In-line push-to-talk switch

High noise level headset (up to 115 dB) with noise cancelling microphone and dual speaker. *NOTE: for use with respirator or face mask kit.*

**BDN6314A** Body/foot switch that can be belt mounted

### Audio Accessories

High noise level headset (up to 125 dB) with noise-cancelling microphone and push-to-talk switch located on earcup. Vox module contained within headset on voice activated units. Factory Mutual Approved. *NOTE: Can be worn with or without hardhat or fire helmet.*

**BDN6645A** Push-To-Talk Headset with Boom Microphone, Requires Adapter Cable.



BDN6645A  
(Shown with adapter cable BDN6638A)

**BDN6635B** Voice-Activated Headset with Boom Microphone, Requires Adapter Cable, Includes 110V Charger



BDN6635B  
(Shown with adapter cable BDN6638A)

**BDN6636B** Voice-Activated Headset with Throat Microphone, Requires Adapter Cable, Includes 110V Charger

**0180357B05** Spare VOX Headset Charger 110V

**BDN6638A** Adapter Cable for BDN6635, BDN6636 and BDN6645

**6881126E79** Instruction Manual for BDN6645A

**6881126E78** Instruction Manual for BDN6635 and BDN6636 Headsets

# STX Series

## Portable Accessories, Batteries

### Audio Accessories

#### Helmet Kits



BDN6275A

The following DO NOT include headgear.  
*NOTE: All helmet and face mask kits require a radio cable assembly (order separately).*

Industrial/Police helmet kits for Bullard (Industrial) headgear with military noise cancelling microphone.

**BDN6275A** Single Speaker

Bell BT400 (Police) full coverage headgear with military noise-cancelling microphone (cable assembly required, order separately)

**BDN6362A** Single Speaker (Police)

**BDN6363A** Dual Speaker (Police)

#### Cable Assemblies

*NOTE: All helmet kits require one of the following cable assemblies:*

**BDN6315A** Cable assembly for Police Radio helmet kit with transmit switch, volume control, microphone electronics and a push-to-talk jack built into a belt mounted control box

**BDN6292A** Cable assembly for Police Radio helmet kit with handlebar push-to-talk switch for belt mounted control box (only applies to BDN6315A)

### Portable Batteries

#### Nickel-Cadmium Premium

Part Number: **NTN4326A**  
 Volts: 7.5  
 Avg. mAh: 1300  
 Height: 2-7/16"  
 Intrinsically Safe: No



NTN4326A

Part Number: **NTN4327C**  
 Volts: 7.5  
 Avg. mAh: 1800  
 Height: 3-11/16"  
 Intrinsically Safe: No



NTN4327C

Part Number: **NTN4500A**  
 Volts: 7.5  
 Avg. mAh: 1800  
 Height: 3-11/16"  
 Intrinsically Safe: Yes



NTN4500A

Part Number: **NTN4534A**  
 Volts: 7.5  
 Avg. mAh: 1300  
 Height: 2-7/16"  
 Intrinsically Safe: Yes



NTN4534A



# STX Series

## Antennas, Tools, Service Aids

### 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

Dipole, 806-869MHz, 8"



#### 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, 806-870MHz, 7"

#### 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"



### Alignment Tools

#### Tuning Tools

**6605106N01** Tuning Tool, Adjusts Squelch Threshold

**6605147J01** Tuning Tool, for Potentiometers, Local Oscillator Coil, Quad Detector



### Service Aids

#### Battery Block Adapter

Transceiver can be connected to the battery eliminator with this adapter, so it remains functional when out of the radio.

**RTL4206A** Battery Block Adapter



RTL4206A

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

## **STX Series**

## *Service Aids, Manuals*

### *Service Aids*

#### **RF Adapter Cable**

Control the radio locally while taking transmitter measurements by attaching this adapter to the universal side connector.

**RTK4087A** RF Cable Adapter



RTK4087A

#### **Radio Test Cable**

Used with RTX4005 Portable Radio Test Set for transmitter, receiver alignment and performance checks.

**RTK4006A** Test Cable

#### **SMA to BNC Adapter**

Make transmitter measurements while the portable is connected to the portable test set. The adapter connects the antenna jack.

**5880384G68** RF Adapter

### *Manuals*

#### **STX Series**

**6881040C25** Models H25/35TJB5170AN, H25/35TJC5170AN, H25/35STC5170AN, H25/35STD5170AN, H25/35STE5170AN Service Manual

**6881041C65** Model N1352A Instruction Manual

**6881069C65** Models H25STC/D/E, H25TJB/C, H35STC/D/E, H35TJB/C Theory/Maintenance Manual

**6881049C90** SMARTNET Operating Instructions

#### **STX Converta Com**

**6881041C65** Service Operating Manual

**0180305J46** Ear Microphone System and Temple Transducer CD-ROM

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

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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