

Replacement parts may no longer be available



HT600 Series

Parts List

REF.		1	REF.			REF.		
NO.	PART NO.	DESCRIPTION	NO.	PART NO.	DESCRIPTION	NO.	PART NO.	DESCRIPTION
1	0105956M63	Assembly, Frame; includes:	34	0300132342	Screw, Phillips; 2-56 x 1/4"	84A	See Note	*Jack (J2), part of item 9
		*Item 1 Frame	35	40051480.05	Switch, Frequency (S2)	84B	See Note	*Jack (J1), part of item 9
		*Item 40	36	3205141003	Gasket, "O" Ring	85A	See Note	*Jack (P2), part of item 86
2	0105955N18	Assembly, Housing; includes:	37	18051000.04	Switch/Pot, On-Off/Volume	85B	See Note	*Jack (P1), part of item 88
		*Item 2 Housing			(S1/R140)	86		Assembly, Volume Pot Flex;
		*Items 56, 58, 59, and 60	38	4005101001	Switch, PL (S3)			includes:
3	1505527P01	Cover, Front	39	0300140369	Screw, Flat Hd.; 2-56 x 1/8"			*Item 86 Volume Pot Flex
5	3305543P01	Nameplate, Front	40	See Note	*Insert, Frame; part of item 1			*Items 85A and 106
6	0105951N41	Assembly, Top Control Panel;	41	4605945K05	Contact Stud, Battery	88	0105956M68	Assembly, Frequency Switch
		includes:	42	39051270.01	Contact, B+			Flex; includes:
		*Item 6 Panel	43	3205082E24	Gasket, "O" Ring			*Item 88 Frequency Switch
		*Items 17, 28, 29, and 32	44	0705830C02	Support, Contact			Flex
7		Carrier, Flex Top	45	3905421C13	Contact, Battery			*Item 85B
8		Shield, Bottom	46	29051240.01	Lug	89A	See Note	*Jack (J3), part of item 9
9		Assembly, Controller Flex;	47	0400002625	Lockwasher, Split #2	89B	See Note	*Jack (J4), part of item 9
		includes:	48	4105944K01	Spring, Battery Latch	90	See Note	*Jack (J5), part of item 9
		*Item 9 Controller Flex	49	5505536P01	Latch	91	3205141001	Gasket, "O" Ring
		*Items 10, 80, 84, 89, and	50	0300139444	Screw, Phillips Hd.; 2-56 x 5/32"	92	4205140001	Clamp, Speaker
		90 (The Controller Flex	51	3205082E03	Gasket, "O" Ring	93	1405135P01	Insulator, Microphone
		Assembly also includes	52	6505214E05	Fuse (F1)	94	See Note	*Flex, Microphone;
		electrical parts. See Note)	53	0400009761	Lockwasher, Split #4			part of item 98
10	See Note	*Shield, Center; part of item 9	54	0305941K01	Screw	95	5005155003	Speaker (LS1)
11	0102706J99	Cover, Dust	55	6405531P02	Plate, Base	96	4205139001	Retainer, Microphone
12	0105951N79	Assembly, Knob; includes:	56	3805236001	*Actuator, PTT part of item 2	97	See Note	*Boot, Microphone;
		*Item 12 Knob	57	4505535P01	Lever, PTT		04050508400	part of item 98
10	4005400000	*Item 13	58	4205534P01	*Retainer, PTT part of item 2	98	0105956M62	Assembly, Microphone;
13	4205123002	Clip, Push; part of item 12	59	6405186001	*Plate, Actuator Button;			includes:
14	0105950N92	Assembly, Knob; includes:	00	0005403004	part of item 2			*Item 98 Microphone
		*Item 14 Knob	60	3805187001	*Button, Actuator;			*Items 78, 94, 97, 98,
45	0	*Item 15	01	0005403004	part of item 2	00		and 103
15	See Note	*Clip, Push; part of item 14	61	0305137004	Screw, Phillips; 4-40 x 1/2"	99		Pad, Microphone Boot
16	1305676R01	Escutcheon (2-Freq. Radios)	64	See Note	*Seal, Dome (PTT);	101	0300138620	Screw, Flat Phillips Hd.;
	or 1305676R02	Feautabaan (C. Frag. Dadiaa)	CE	Cao Nota	part of item 67	102	2505142004	2-56 x 7/16"
17	1303070KUZ	Escutcheon (6-Freq. Radios)	65	See Note	*Seal, Dome, (Mon);	102	3505143Q04 See Note	Felt, Speaker
17		*Pin, Contact (P7); (not field	66	See Note	part of item 67	103 105	See Note	*Plug (P5), part of item 98 Not used
		replaceable, order top control panel assembly	00	See Note	*Contact, Snap Dome; part of item 67	105	See Note	*Sockets (J7), part of item 86
		0105951N41)	67	0105951N40	Assembly, B+ PTT Flex;	100	3905509R02	Contact, 3 req'd
18	0405218001	Washer	07	01033311440	includes:	107	0405534R01	Washer, Flat
19	0205163001	Nut, Spanner			*Item 67 Flex	108	5402446J01	Label, Instruction
20	0405162001	Washer, Flat			*Items 64, 65, and 66	110		Shield, I-F
20	0205765L02	Nut, Spanner	68		Housing, VCO	110	1405496R01	Insulator, I-F Shield
22	0405216L04	Washer, Flat	70		Screw, Flat – not available	112	3905130N01	Contact Strip
23	0300136785	Screw, Phillips Hd., 4-40 x 3/16"	70	2605775R02	Shield, Main Back	112	2605573S01	Shield
24	0484345A06	Washer, Seal	75	0300136783	Screw, Phillips Hd.; 2-56 x 5/16"	113	1405299001	Insulator, Speaker
25	0205629L02	Nut, Hex; 2 reg'd	76		Not used	115	0300136771	Screw, Phillips; 2-56 x 3/16"
26	0405162002	Washer, Flat; 2 req'd	77B		Not used	117	7505501R02	Pad, Speaker
27	3205141002	Gasket, "O" Ring	77C	2605578P02	Heatsink (Low Power Models)	118	2605762R01	Shield, Controller Flex
28	See Note	*Bushing, Antenna; part of	78	See Note	*Tubing, Heat Shrink;	120	0305103S01	Screw, Captive
		item 6			part of item 98	120	7505501R03	Pad, Front Cover
29	See Note	*Lug, Antenna; part of item 6	79	0300138620	Screw, Phillips; 2-56 x 5/16"	122	2605123S01	Shield, Back
30	4805729G24	LED, Bicolor (CR413A/CR413B)	80	See Note	*Header, part of item 9			
31	3205131S01	Seal, LED	81	1405753R01	Insulator, Front Shield			
32		Stud, Insert; part of item 6	82	2605711R03	Shield Front			
33	3205082E01	Gasket, "O" Ring	83		Insulator, Flex	*111NOTE	: Not field replace	able, order parent Assembly.
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Cancelled Product HT600: Aftermarket support criteria has been met for spare parts. Items may no longer be available.







Chargers

Rapid/Regular Rate Desktop Chargers

A variety of chargers are available to fit the charging capabilities of your batteries. Choose rapid or regular rate, single unit chargers. The rapid chargers are equipped with red and green lights to indicate rapid charging or charge complete. All desktop units will accept any of the three battery sizes, with or without radio attached.



NTN4636A Desktop, Regular Charge Rate, 220V, 50-60 Hz, (supplied with 2 prong plug)

NTN4633C Desktop, Rapid Charge Rate, 117V

NTN4634B Desktop, Rapid Charge Rate, 220V, 50-60 Hz, (supplied with 2 prong plug)

Compact Chargers

The compact charger provides a 16 hour charge rate. The charger's small size and weight make it ideal for users who occasionally charge their radio at home.

NTN4666B Compact, Regular Charge Rate, 117V

NTN4667A Compact, Regular Charge Rate, 220V, 50-60 Hz, (supplied with 2 prong plug)



Chargers

Multi-Unit Chargers

NTN4668C Multi-Unit Desktop, Rapid Rate, 117V AC, 50-60 Hz





NLN7967A Wall Mount for 6 Unit Charger

NLN7967A

Vehicular Chargers

***NTN5438A** 12V DC, Vehicular Charger (16 hour charge rate) PAC-RT compatible

NKN6428A 12V Cable Kit. (Only required if not used with a PAC-RT/mobile system)

NTN5368A RF Adapter (Utilizes universal connector, incompatible with audio accessories)



NTN5368A

NKN6408A RF Cable Kit (Does not include antenna)





HT600 Series

Portable Accessories

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

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

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

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

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



WPLN4079BR

BMS^{plus} Adapter

TDN9441A Standard Adapter, HT600

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 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-71173 Standard Adapter, HT600

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







Motorola Conditioning Charger (MCC)

The MCC will help extend battery life and enhance battery operation. It will safely condition and charge your specified Nickel Cadmium (NiCd) and Nickel Metal Hydride (NiMH) batteries in approximately an hour.



WPPN4009BR 110V AC Base Charge Unit with Adapter Plate

WPPN4009AR

Carrying Accessories



Carrying Cases

A variety of carrying accessories are available for your comfort and convenience. The carrying cases are made of top quality leather and are available in sizes designed to fit your radio and battery. Cases are available with standard belt loop or swivel back covers, with a restraining T-strap.

Standard

NTN5460B Leather Carry Case with T-Strap and Spacer, for High or Medium Capacity Battery (Snap)

NTN5460B

Swivel

NTN5461B Leather Carry Case with T-Strap, Spacer and 2-1/2" Belt Loop, for High or Medium Capacity Battery (Snap)

NTN5883A Leather Carry Case with T-strap, Spacer, and Belt Loop, for High or Medium Capacity Battery (Snap), fits 3" Belt

NTN5450B Leather DTMF Swivel Carry Case, Long (Snap), fits 2-1/4" Belt

NTN5884A Leather DTMF Carry Case, Long (Snap), fits 3" Belt

Conditioning Chargers

3080384G15 Cigarette Lighter Adapter Cord

RLN4814A Mounting Bracket for Motorola

MCC Multi-Unit Conditioning Chargers

WPPN4074BR Four-station, 110V with permanent adapter plates WPPN4075BR Four-station, 220V with permanent adapter plates



Carrying Accessories

Belt Loops

4282421J06 Swivel Belt Loop, 2-1/2" 4205857B01 Swivel Belt Loop, 2"

HT600 Series





Belt Clip 4282421J06 NTN4813B Belt Clip, 1-1/2" NTN5389B Belt Clip, 2-1/4" NTN5602A Public Safety Full 3" Clip, Black Aluminum



Belt Clip Carry Holder

NTN4814C Belt Clip Carry Holder, fits 2-1/4" Belt NTN5827A Belt Clip Carry Holder, fits 3" Belt

Carrying Accessories



Carrying Strap NTN5243A Carrying Strap, Black

Belt

4200865599 1-3/4" Wide Leather Belt, for all models





T-Straps

4205386S03 T-strap, Nylon for Leather Carrying Cases (Snap)

4205386S01 T-Strap, Nylon for Leather Carrying Cases (Velcro)



4205447R03

NTN4814C

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"



Spacer

Holder (Snap)

Enables light capacity battery to fit in a small case and medium capacity battery to fit in a medium case. Spacer is included in every carry case.

4305525R02 Spacer (spare)

Button Back Cover

NTN5497A T-Bar Button Back Cover Kit, Black (order swivel belt loop separately)

4205447R03 T-Strap, Urethane, for Carry









Carrying Accessories

Universal Carry Accessories

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

1505596Z02 Replacement Strap for HLN6602

RLN4815A Universal RadioPAK[™] with Radio Holder. Worn around waist with adjustable belt.

Includes attached 6" by 8" zippered pouch for other job necessities

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

4280384F89 Universal RadioPAK™ belt lengthener; fits waists larger than 40"

Audio Accessories



Remote Speaker Microphone

This speaker microphone provides remote talk and listen capability. By attaching the microphone to the universal connector, you can use the remote speaker microphone to transmit or receive while the radio remains comfortably on the belt in the case

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

NMN6156B Remote Speaker/ Microphone with Clip and Coil Cord

NTN5493A UHF Public Safety Remote Speaker Microphone with Clip Back and Straight Cord (Order required antenna separately)

Audio Accessories

NTN5050A UHF Public Safety Speaker Microphone with velcro back and straight cord (order antenna and velcro patch separately)

Antennas for Public Safety Microphones

8505309N09 400-440 MHz



NLN8410A Velcro pin attachment

Ear Piece

NLN8410A

5083693B01 Earphone and volume control (requires NTN4812B) 5083693B04 Earpiece and Volume Control (2.5 mm) 5880378B84 2.5 to 3.5 Jack Adapter 5880380B35 3.5 to 2.5 Jack Adapter NTN4812B Earphone Jack Adapter



Surveillance

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

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

NTN5075B Hirose Adapter for Two- and Three-Wire Surveillance Accessories.

Flexible Ear Receiver

BDN6717B Ear receiver with 3.5 mm plug rests on the outside of the ear, to be used with adapter NTN4812





HLN6602A





*BDN6677A Ear Microphone for

*BDN6678A Ear Microphone for

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

Standard Noise Levels

Standard Noise Levels

Interface Modules

*BDN6656B Push-To-Talk

*BDN6657B Voice-Activated

Interface Module

Interface Module

(up to 95 dB), Beige

(up to 95 dB), Black

Portable Accessories

Audio Accessories



Epaulet Strap

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

RLN4294A Epaulet Strap, Velcro



RLN4295A Epaulet Strap, Small Clip

RLN4295A

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 Ear Mike, EM200



0180359A39 Interface Cable for HT600

0180359A51 Optional PTT Ring Switch for RMN4001A only

0180356B97 Optional PTT Ring Switch for RMN4001B Only



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.



Optional Accessories

0180300E25 Earguard with Adjustable Loop

*0180358B38 Remote Push-To-Talk **Ring Switch**

0180358B32 Earholder, Black, Size Small; Secures microphone in ear



0180358B33 Earholder, Black, Size Medium; Secures microphone in ear

0180358B34 Earholder, Black, Size Large; Secures microphone in ear

0180358B35 Earholder, Clear, Size Small; Secures microphone in ear

0180358B33

0180358B36 Earholder, Clear, Size Medium, Secures microphone in ear

0180358B37 Earholder, Clear, Size Large; Secures microphone 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)

* Intrinsically safe









Audio Accessories

Headsets

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



BDN6639A Radio Adapter Cable for BDN6635, BDN6636 and BDN6645

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

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

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

RMN4015A Lightweight Headset with Swivel Boom Microphone, single speaker and in-line PTT



BDN6636B

0180357B05 Spare Vox Headset Charger 6881126E79 Instruction Manual for BDN6645A 6881126E78 Instruction Manual for BDN6635B and BDN6636B

Audio Accessories

Vehicular Adapter Accessories

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



NSN6054A 12-watt External Speaker

HMN1035C Microphone, Heavy-Duty Palm

NSN6054A

HMN1056D Microphone, Compact Palm HMN3013A Microphone, DTMF

HMN1056D







Antennas, Batteries

Portable Antennas

Heliflex Antenna

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

8505816K01 Heliflex Molded, 136-150.8 MHz, 6.5"

8505816K21 Heliflex Molded, 150.8-162 MHz, 6"

8505816K23 Heliflex Molded, 162-174 MHz, 6"

8505816K24 Heliflex Molded, 403-433 MHz, 3"

8505816K25 Heliflex Molded, 440-470 MHz, 3"

8505816K26 Heliflex Molded, 470-512 MHz, 3"

Flexible Whip

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.

8505247K06 Flexible Whip, 403-512 MHz, 5.5"



Portable Batteries

Nickel-Cadmium Premium

Part Number: NTN4564B Volts: 10 Avg. mAh: 550 Height: 2-7/16″ Intrinsically Safe: Yes



NTN4564B

Part Number: **NTN4584BR** Volts: 10 Avg. mAh: 630 Height: 2-7/16″ Intrinsically Safe: No

Part Number: NTN5414BR Volts: 10 Avg. mAh: 1100 Height: 3-5∕16″ Intrinsically Safe: No

Part Number: NTN5415B Volts: 10 Avg. mAh: 1000 Height: 3-5⁄16″ Intrinsically Safe: Yes

Nickel Metal Hydride Premium

Part Number: NTN7016A Volts: 10 Avg. mAh: 950 Height: 2-7/16″ Intrinsically Safe: No





NTN7016A







Service Tools, Aids

Alignment Tool

6605106N01 Tuning Tool, Adjusts Tunable Coils, Preselector, Reference Oscillator Frequency and Trimmer Capacitors

6605106N01

Service Tools



RSX4043A Torque Screwdriver, Order Bits Separately 6680321B86 #0 Phillips Bit for

Radio Screws

6680321B79 #1 Phillips Power Bit for Radio Screws

6680370B95 Spanner Tool Bit for Toggle Switch Nut

6680371B34 Spanner Bit for Antenna Bushing

6680371B03 Nut Driver Bit for Volume Control and Frequency Select Switch

Service Aids

Battery Eliminator

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

RTL4226B Battery Eliminator



RTL4226B

Service Aids

Battery Adapter

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

1580368B62 Battery Adapter



Cloning Cable

Enables the frequencies, squelch codes, squelch and deviation settings to be duplicated from one radio to another. Only identical models and sub-models are compatible for cloning.



Antenna Adapters NTN5368A Adapter for HT600 NKN6408A Cable Adapter for HT600



RTK4205C

Radio Test and Programming Cable

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

RTK4205C

Test and Programming Cable





Service Aids, Manuals

Service Aids

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 a 9 volt span



RLN4008E

programming cable, and a 9 volt snap type battery (6082728J01), order separately.

RLN4008E Radio Interface Box

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



Controller Flex Extender

Allows access to all electrical points on the controller flex and the interior of the RF board for troubleshooting purposes.

REN4000A Controller Flex Extender

Wall Mounted Power Supply

Used to supply power to the radio interface box, RLN4008E

0180357A57 Wall Mounted Power Supply, 110 Volts

0180358A56 Wall Mounted Power Supply, 220 Volts



01800357A57



Service Aids

Field Modification Kit

Allows for quick field modification of RTX4005 "A" test sets to provide operation with the HT600 Radio.

RPX4665A Field Modification, RTX4005A



Programming Aid

Enables programming of the DTMF pad from outside of HT600 DTMF optioned radios.

0180358A59 Programming Aid

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.

RVN4005H Programming Software, 3-1/2^{*m*} diskettes (includes manual and software box)

Manuals

6881065C75 0180305J46 Service Manual

Ear Microphone System and Temple Transducer CD-ROM

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