





Parts List

REF.			REF.			REF.		
NO.	PART NO.	DESCRIPTION	NO.	PART NO.	DESCRIPTION	NO.	PART NO.	DESCRIPTION
110.	17411 110.	DEGGINII HOIV		171101 1101	DECORM HOW		1711(1110)	DECORN HOW
1	0105956M63	Assembly, Frame; includes:	35	4005148Q05	Switch, Frequency (S2)	85A	See Note	*Jack (P2), part of item 86
		*Item 1 Frame	36	3205141Q03	Gasket, "O" Ring	85B	See Note	*Jack (P1), part of item 88
		*Item 40	37	1805100Q04	Switch/Pot, On-Off/Volume	86	REX1074A	Assembly, Volume Pot Flex;
2	0105955N18	Assembly, Housing; includes:			(S1/R140)			includes:
		*Item 2 Housing	38	4005101Q01	Switch, PL (S3)			*Item 86 Volume Pot Flex
		*Items 56, 58, 59, and 60	39	0300140369	Screw, Flat Hd.; 2-56 x 1/6"			*Items 85A and 106
3	1505527P01	Cover, Front	40	See Note	*Insert, Frame; part of item 1	88	0105956M68	Assembly, Frequency Switch
5	3305543P01	Nameplate, Front	41	4605945K05	Contact Stud, Battery			Flex; includes:
6	0105951N41	Assembly, Top Control Panel;	42	3905127Q01	Contact, B+			*Item 88 Frequency Switch
		includes:	43	3205082E24	Gasket, "O" Ring			Flex
		*Item 6 Panel	44	0705830C02	Support, Contact			*Item 85B
_	4505405004	*Items 17, 28, 29, and 32	45	3905421C13	Contact, Battery	89A	See Note	*Jack (J3), part of item 9
7	1505185Q01	Carrier, Flex Top	46	2905124Q01	Lug	89B	See Note	*Jack (J4), part of item 9
8 9	2605764R01	Shield, Bottom	47	0400002625 4105944K01	Lockwasher, Split #2	90 91	See Note	*Jack (J5), part of item 9
9	REX1020A	Assembly, Controller Flex; includes:	48 49	5505536P01	Spring, Battery Latch Latch	91 92	3205141Q01 4205140Q01	Gasket, "O" Ring Clamp, Speaker
		*Item 9 Controller Flex	50	0300139444	Screw, Phillips Hd.; 2-56 x 1/32"	93	1405135P01	Insulator, Microphone
		*Items 10, 80, 84, 89, and	51	3205082E03	Gasket, "O" Ring	94	See Note	*Flex, Microphone;
		90 (The Controller Flex	52	6505214E05	Fuse (F1)	74	See Note	part of item 98
		Assembly also includes	53	0400009761	Lockwasher, Split #4	95	5005155Q03	Speaker (LS1)
		electrical parts. See Note)	54	0305941K01	Screw	96	4205139Q01	Retainer, Microphone
10	See Note	*Shield, Center; part of item 9	55	6405531P02	Plate. Base	97	See Note	*Boot, Microphone;
11	0102706J99	Cover, Dust	56	3805236Q01	*Actuator, PTT part of item 2		00011010	part of item 98
12	0105951N79	Assembly, Knob; includes:	57	4505535P01	Lever, PTT	98	0105956M62	Assembly, Microphone;
		*Item 12 Knob	58	4205534P01	*Retainer, PTT part of item 2			includes:
		*Item 13	59	6405186Q01	*Plate, Actuator Button;			*Item 98 Microphone
13	4205123Q02	Clip, Push; part of item 12			part of item 2			*Items 78, 94, 97, 98,
14	0105950N92	Assembly, Knob; includes:	60	3805187Q01	*Button, Actuator;			and 103
		*Item 14 Knob			part of item 2	99	7505582P01	Pad, Microphone Boot
		*Item 15	61	0305137Q04	Screw, Phillips; 4-40 x 1/2"	101	0300138620	Screw, Flat Phillips Hd.;
15	See Note	*Clip, Push; part of item 14	64	See Note	*Seal, Dome (PTT);			2-56 x 7/16"
16	1305676R01	Escutcheon (2-Freq. Radios)			part of item 67	102	3505143Q04	Felt, Speaker
	0r	For Island (C. Ford Boll)	65	See Note	*Seal, Dome, (Mon);	103	See Note	*Plug (P5), part of item 98
17	1305676R02	Escutcheon (6-Freq. Radios)	,,	C N-t-	part of item 67	105	 C N-t-	Not used
17		*Pin, Contact (P7); (not field replaceable, order top	66	See Note	*Contact, Snap Dome; part of item 67	106 107	See Note 3905509R02	*Sockets (J7), part of item 86 Contact, 3 reg'd
		control panel assembly	67	0105951N40	Assembly, B+ PTT Flex;	107	0405534R01	Washer, Flat
		0105951N41)	07	01037311140	includes:	108	540_244J06	Label, Instruction
18	0405218Q01	Washer			*Item 67 Flex	110	2605494R01	Shield, I-F
19	0205163Q01	Nut, Spanner			*Items 64, 65, and 66	111	1405496R01	Insulator, I-F Shield
20	0405162Q01	Washer, Flat	68	1505533P01	Housing, VCO	112	3905130N01	Contact Strip
21	0205765L02	Nut, Spanner	70	1300139939	Screw, Flat Hd.; 2-56 x 5/32"	113	2605573S01	Shield
22	0405216L04	Washer, Flat	74	2605775R02	Shield, Main Back	114	1405299Q01	Insulator, Speaker
23	0300136785	Screw, Phillips Hd., 4-40 x 3/16"	75	0300136772	Screw, Phillips Hd.; 2-56 x 5/6"	115	0300136771	Screw, Phillips; 2-56 x 3/16"
24	0484345A06	Washer, Seal	76		Not used	117	7505501R02	Pad, Speaker
25	0205629L02	Nut, Hex; 2 req'd	77B		Not used	118	2605762R01	Shield, Controller Flex
26	0405162Q02	Washer, Flat; 2 req'd	77C	2605578P02	Heatsink (Low Power Models)	120	0305103S01	Screw, Captive
27	3205141Q02	Gasket, "O" Ring	78	See Note	*Tubing, Heat Shrink;	121	7505501R03	Pad, Front Cover
28	See Note	*Bushing, Antenna; part of			part of item 98	122	2605123S01	Shield, Back
	0 N:	item 6	79	0300138620	Screw, Phillips; 2-56 x %6"			
29	See Note	*Lug, Antenna; part of item 6	80	See Note	*Header, part of item 9			
30	4805729G24	LED, Bicolor (CR413A/CR413B)	81	1405753R01	Insulator, Front Shield			
31	3205157Q01	Seal, LED	82	2605711R03	Shield Front	NG	481 (61 1 1 1	
32 33	4605159Q01 3205082E01	Stud, Insert; part of item 6 Gasket, "O" Ring	83 84A	1405264Q01 See Note	Insulator, Flex *Jack (J2), part of item 9	NOLE		aceable, order parent
33 34	0300132342	Screw, Phillips; 2-56 x 1/4"	84A 84B	See Note	*Jack (J1), part of item 9		Assembly.	
54	0300132342	3016W, F111111/PS, Z-30 X 74	04D	SEE NOTE	Jack (J.1), part of item 9			



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)





NTN4666B

Portable Accessories

CHARGERS

Multi-Unit Chargers

NTN4668B Multi Unit Desktop, Rapid Rate, 117V AC, 50-60 Hz



NTN4922B Multi-Unit 220V, Rapid Rate



NLN7967A Wall Mount for 6 Unit Charger

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)



*Not compatible with Kits NKN6149A, NKN6150A and NKN6151A.



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).

WPLN4079AR Six Station, 110V AC, 50/60 Hz WPLN4080AR Six Station, 230V AC, 50/60 Hz



Adapter

TDN9441A Standard Adapter, HT600

BATTERY OPTIMIZING SYSTEM (BOS)

The Battery Optimizing System accommodates NiCD,

NiMH, Li-Ion, and SLA. Four independent stations for simultaneous service of 4 batteries. Reads battery capacity in percentage of nominal rating; verifies voltage; measures battery temperature and displays battery impedance in milliohms. (Adapter sold separately).

WPLN4071AR 4 Station, 110V AC, 50/60 Hz

WPLN4073AR 4 Station, 230V AC, 50/60 Hz

Adapters

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.

WPLN4071AR

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.

WPPN4009AR 110V AC Base Charge Unit with Adapter Plate

WPPN4010AR 220V AC Base Charge Unit with Adapter Plate

3080384G15 Cigarette Lighter Adapter Cord

MCC Multi-Unit Conditioning Chargers

WPPN4074AR Four-station, 110V with permanent adapter plates

WPPN4075AR Four-station, 220V with permanent adapter plates

BATTERY DISCHARGE TESTER

Tester determines a battery's delivered capacity by



RLN4201B

discharging a fully charged battery. 'LED' indicates cycle status by turning "ON" when fully charged battery is placed in adapter and "OFF" when discharge is complete. Plug-in adapters allow one console to discharge most batteries. No AC power source required (console is powered by discharging battery).

RLN4201B Single Unit Battery Discharge Tester, Requires Battery Adapter or Cable/Clip

Lead

RLN4047A Battery Adapter, HT 600 RKN4038A Cable/Clip Lead, 10V



BATTERY ELIMINATOR

The Battery Eliminator saves battery life by drawing power from the vehicle's battery while providing overvoltage protection. Use by sliding eliminator onto radio in place of battery and plugging adapter into cigarette lighter.

RLN4265A Battery Eliminator, Coil Cord, Cigarette Lighter Adapter

RLN4265A

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 21/2" 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 21/4" Belt

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

Portable Accessories

CARRYING ACCESSORIES

Belt Loops

4282421J06 Swivel Belt Loop, 21/2" 4205857B01 Swivel Belt Loop, 2"



4282421,J06



Belt Clip NTN4813B Belt Clip. 11/2" NTN5389B Belt Clip, 21/4" NTN5602A Public Safety Full 3" Clip, Black Aluminum



Belt Clip Carry Holder

NTN4814C Belt Clip Carry Holder, fits 21/4" Belt NTN5827A Belt Clip Carry Holder, fits 3" Belt

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 23/4"

TDN9373A Portable Radio Hanger, for Door Panels 2\%" to 31/4"





CARRYING ACCESSORIES

S.

Carrying Strap

NTN5243A Carrying Strap, Black

NTN5243A

Belt

4200865599 2" Wide Leather Belt, for all models



4200865599



T-Straps

4205386S03 T-strap, Nylon for Leather Carrying Cases (Snap) 4205386S01 T-Strap, Nylon for Leather Carrying Cases (Velcro)

4205447R03 T-Strap, Urethane, for Carry Holder (Snap)



4205447R03

Spacer

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)



Portable Accessories

CARRYING ACCESSORIES

Universal Carry Accessories

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

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



HLN6602A

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

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

8505355K03400-440 MHz **8505355K04**440-470 MHz **8505309N11**470-512 MHz

NLN8410A Velcro pin attachment



NI N8410A

Ear Piece

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



Ear Receiver

BDN6717B Ear receiver with 3.5 mm plug, to be used with adapter NTN4812

Surveillance

ZMN6031A Three wire surveillance accessory with earpiece, microphone and pushto-talk as separate pieces. Factory Mutual Approved. Requires NTN5075B

ZMN6032A Two wire surveillance accessory with earpiece, microphone and pushto-talk. Microphone and PTT are combined.



Factory Mutual Approved. Requires NTN5075B

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

Portable Accessories

AUDIO ACCESSORIES



RI N4294A

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



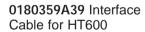
RLN4295A Epaulet Strap, Small Clip

RLN4295A

Ear Mikes

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





0180359A51 Optional PTT Ring Switch for RMN4001A only

0180356B97 Optional PTT Ring Switch for RMN4001B Only





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 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

BDN6656B* Push To-Talk Interface Module

BDN6657B* Voice-Activated Interface Module

Optional Accessories

0180300E25 Earguard with Adjustable Loop

0180358B38* Remote Push-To-Talk Ring Switch



0180358B32 Earholders, Black,

Size Small; Secures microphone in ear

B

0180358B33

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

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)

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



DDINOOSOD

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

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

*Factory Mutual approved



Accessories, Antennas

VEHICULAR ADAPTER

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



NTN5612A Basic MVA console, includes Power Cables and Mounting Hardware.

NTN5612A

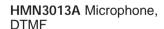


NSN6054A 12-watt External Speaker

NSN6054A

HMN1035C Microphone, Heavy-Duty Palm

HMN1056D Microphone, Compact Palm





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"

8505816K03

Heliflex Molded, 150.8-162 MHz, 6"

8505816K05

Heliflex Molded, 162-174 MHz, 6"

8505816K07

Heliflex Molded, 403-433 MHz, 3"

8505816K08

Heliflex Molded, 450-470 MHz, 3"

8505816K09

Heliflex Molded, 470-512 MHz, 3"





8505816K09

Flexible Whip

Flexible Whip antennas have a onepiece 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"





HT600 Series Batteries, Tools

PORTABLE BATTERIES



NTN5414BR

Nickel-Cadmium

Part Number: NTN4564B Charge: Rapid Volts: 10V Avg. MAH: 550 Height: 27/16"

FM Rating: IS

Part Number: NTN4584BR

Charge: Rapid Volts: 10V Avg. MAH: 630 Height: 27/16" FM Rating: NI

Part Number: NTN5414BR

Charge: Rapid Volts: 10V Avg. MAH: 1100 Height: 35/16" FM Rating: NI



NTN4564B

Part Number: NTN5415B*

Charge: Rapid Volts: 10V Avg. MAH: 1000 Height: 35/46" FM Rating: IS

Nickel Metal Hydride



NTN7016A

Part Number: NTN7016A Charge: Rapid Volts: 10V Avg. MAH: 950 Height: 27/16" FM Rating: (NA)

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

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

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.



NKN6376A Cloning Cable

Antenna Adapters

NTN5368A Adapter for HT600 NKN6408A Cable Adapter for HT600

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.

RTK4205C Test and Programming Cable

Radio Interface Box

Links radio programming cable and computer interface together. Provides required voltage shift to enable communications between radio and computer. Requires



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

RLN4008B 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



Service Aids, Manuals

SERVICE AIDS



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, RLN4008B

0180357A57 Wall Mounted Power Supply, 110 Volts

0180358A56 Wall Mounted Power Supply, 220 Volts



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.

RVN4005G Programming Software, 3½" diskettes (includes manual and software box)

SERVICE MANUALS

6881065C75 Service Manual