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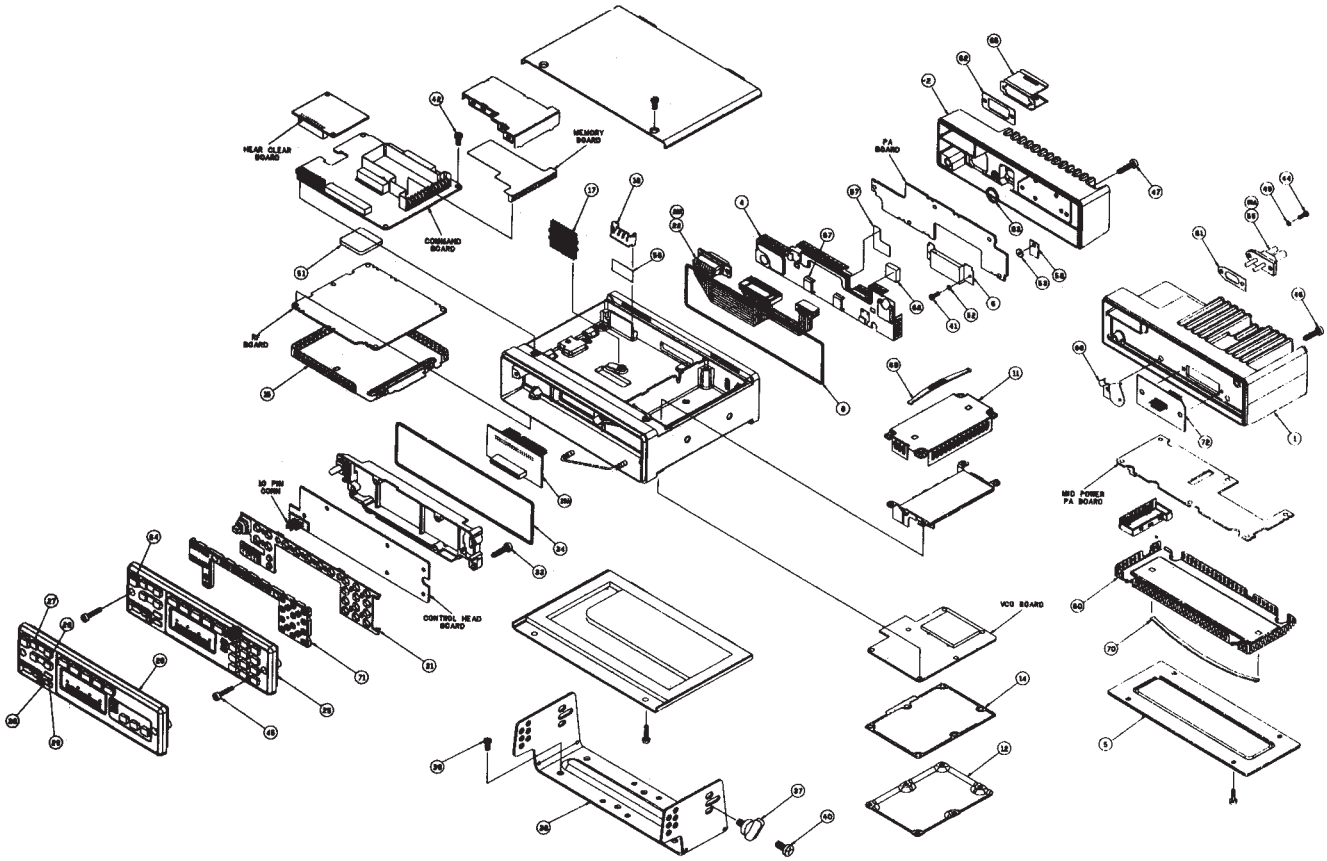
SPECTRA Series

Parts List



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Parts List

REF. NO.	PART NO.	DESCRIPTION
1	**2680010M02**	Heatsink, 30-watt
2	**2680009M03**	Heatsink, 12-watt
3	**2680105N01**	Shield, 30-watt PA board
4	**2680011M01**	Shield, 12-watt PA board
5	**1580048N01**	Cover, 30-watt PA
6	---	Shield, power module
8	---	Gasket, heatsink
11	**1580098L01**	Shield, receiver front end
12	**1580097L01**	Cover, VCO board
14	**3280247N01**	Gasket, VCO
15	**1580099L01**	Shield, RF board
17	**2880260M01**	Header, floating
18	**4280007M01**	Clip, regulator
22	**3080239N02**	Cable, PA ribbon
25	**0180016R09**	Housing, front cover, with keypad
26	**1580010P02**	Housing, front cover, without keypad
27	**3805670X04**	Pushbutton Rocker, "MODE"
28	**3805670X03**	Pushbutton Rocker, "VOLUME"
29	**3880092J01**	Key, "DIM"
30	**3880092J02**	Key, "HOME"
31	**7580189L03**	Keypad
33	**0310945A14**	Screw, tapping; 6 used
34	**3280289L02**	Gasket, housing
37	**0384244C06**	Screw, machine, wing (5.0 x 0.8 x 10)
38	**0780086N02**	Trunnion, mounting
39	**0300136756**	Screw, tapping, instl hrdwr (10-16 x 5⁄8) (6)
40	**0310908B08**	Screw, machine, instl hrdwr (5.0 x 0.8 x 10) (4)
41	**0310911A11**	Screw, machine (3.0 x 0.5 x 8.0); 12W-3 , 30W-5 used
42	---	Screw, tapping (3.5 x 0.6 x 8.0) (board mtg)
44	**0380043L01**	Screw, metric (3.0 x 10); 44 used
45	**0380077M01**	Screw, control head mount; 2 used
46	**0380077M02**	Screw, hex socket (30-watt); 2 used
47	**0380077M03**	Screw, hex socket (12-watt); 2 used
48	---	Screw (3.5 x 0.6 x 46)
49	**0400131974**	Washer, flat (.130 x .312 x .030); 2 used
50	**0480017F01**	Washer, pivot; 2 used
51	**7582200H01**	Pad; 3 used
52	---	Washer, compression; 3 used
53	**0484180C01**	Washer, shoulder
55	**0980272N02**	Connector, POW
56	---	Insulator, regulator
58	---	Insulator, alumina
60	**2680186M01**	Shield, 30-watt PA
61	**3280015M01**	Gasket, power connector
62	**3280088M01**	Gasket, accessory connector
64	**3880227M04**	Cap. On/Off Switch
65	**4280016M03**	Clip, accessory connector
67	**4280265M02**	Clip, coax, 12-watt PA; 2 used
69	**5584300B01**	Handle; 8 used
70	**5584300B04**	Handle
71	**6180017S01**	Lightpipe
72	**6480108R01**	Assembly, PA feedthrough, 30-watt

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SPECTRA Series

Mobile Accessories

Microphones

HMN1053B

HMN1080A Standard Palm Microphone

HMN1053B DTMF Microphone (not compatible w/astro digital spectra)

5084898K10 Noise Cancelling Microphone

HMN1061A Palm Microphone for use with astro digital spectra W9 radio

HMN1050D Desk Top Microphone (for control station operation)

HLN1220B Handset with Hang Up Box

HMN1079A Water Resistant Palm Microphone

HLN1220B

Sirens

H1500A Siren/Public Address (steady tone operates via button on control head)

H1336A Siren/Public Address, provides hi-lo, yelp, and airhorn tones controlled through supplemental housing

H1337A Public Address Only

Speakers

Speaker for Siren and Public Address

TDN6253A

TDN6251A Siren Speaker Round with Chrome Finish

TDN6252A Siren Speaker Rectangular with Chrome Finish

TDN6253A Siren Speaker Underhood with Grey Finish

TDN6254A Siren Speaker Round with Grey Finish

TDN6254A

Speakers

HSN4018B

External Speaker

Provides Audio for High Ambient Noise Environments

HSN4018B External Speaker

Control Station Accessories

HPN4001B Control Station Power Supply

HKN4139A Power Cable

HLN6042A Control Station Tray

HMN1050D Desktop Microphone

HMN1050D

HPN4001B

Emergency Switch

Enables user to send an emergency message to a console, where their unit ID can be displayed and an alarm sounded.

HLN5131C External Emergency Button

HLN5113B Emergency Footswitch

HLN5113B

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Accessories, Antennas

Mounting Hardware

Quick Release Side Mount

RLN4074A Quick Release Side Mount Kit, includes radio mount, vehicle mount,and mounting hardware

RLN4074A

Quick Release Side Mount Accessories

RLN4075A Radio Mount with Hardware

RLN4076A Vehicle Mount with Hardware

RLN4077A Angle Bracket with 20° Fixed Angle and 50° Swivel

RLN4078A Flat Bracket with 50° Swivel

HLN6025A

Miscellaneous Hardware

HLN6025A Key Lock Mount

HLN6008A Remote Mount Kit, with 17 Foot Cable

Antennas

800 MHz

HAF4002A 1/4 Wave, roof top (806-900 MHz)

RRA4983A 3dB, roof top (806-900 MHz)

900 MHz

RRA4935A 3dB, roof top w/14 ft. cable (890-960 MHz)

RAF4003ARM 3dB, roof top w/22 ft. cable (890-960 MHz)

VHF

HAD4006A 1/4 Wave, roof top (136-144 MHz)

HAD4007A 1/4 Wave, roof top (144-152 MHz)

HAD4008A 1/4 Wave, roof top (150.8-162 MHz)

HAD4009A 1/4 Wave, roof top (162-174 MHz)

RAD4010ARB 3dB, roof top (136-174 MHz)

Antennas

RRA4935A

HAE4003A

UHF

HAE4002A 1/4 Wave, roof top (403-430 MHz)

HAE4003A 1/4 Wave, roof top (450-470 MHz)

HAE4004A 1/4 Wave, roof top (470-512 MHz)

HAE4010A 3.5dB, roof top (406-420 MHz)

HAE4011A 3.5dB, roof top (450-470 MHz)

HAE4012A 3.5dB, roof top (470-495 MHz)

HAE4013A 3.5dB, roof top (494-512 MHz)

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Service Tools, Aids

Battery Cable Adapter

6680388A13 Side Mount Battery Cable Adapter

6680388A13

Service Tools

RSX4043A

Torque Screwdriver

Measures the amount of torque being applied. Recommended for precise radio assembly. Bits must be ordered separately.

RSX4043A Adjustable Torque Screwdriver

6680387A70 T-6 Torx Bit
6680387A72 T-8 Torx Bit
6680387A74 T-10 Torx Bit
6680387A75 T-15 Torx Bit
6680387A77 T-25 Torx Bit

6680387A70

6680387A74

Magnetic Screwdriver

0180320B16 Magnetic Screwdriver Set with Bits

6680163F01

Insertion and Extraction Tool

Installs and/or removes wires from accessory connector.

6680163F01 Insertion and Extraction Tool

Hex L-Shaped Key Set

Recommended for front panel and PA removal/installation. 10 piece set from 1.27mm to 6mm.

0180370B87 Metric Hex L-Shaped Key Set

Service Tools

Crimping Tool

For custom installations requiring crimping of Mini-UHF RF connector

6680388A26 Crimping Tool

6680388A26

Service Aids

Programming Software

Utilizing your personal computer, the 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 appropriate cables; must be ordered separately.

Conventional

RVN4001N Programming Software, 3-1/2″ Diskette (includes binder and manual)

Railroad

RVN4099B Programming Software, 3-1/2″ Diskette (includes binder and manual)

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 programming cable, and a 9 volt snap type battery (6082728J01) or wall mount power supply. Order separately.

RLN4008E Radio Interface Box

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Service Aids, Manuals

Service Aids

0180357A57

Wall Mounted Power Supply

Used to supply power to Radio Interface Box.

0180357A57 Wall Mounted Power Supply (110 volts)

0180358A56 Wall Mounted Power Supply(220 volts)

RF Service Cables

3080373B25 RF Injection Board Output Cable. Connects to the RX injection output of the VCO assembly for testing RF injection level

3080373B26 BNC (M) to SMB (M) Cable

3080373B41 BNC (F) to Taiko-Denki (M) Cable

3080373B27 BNC (M) to Taiko-Denki (F) Adapter

TKN8531C Key-Variable Loader Cable

5880384G68 SMA to BNC Adapter

5880367B21 Mini-UHF Male to 'N' Female Adapter

Service Aids

Computer Interface Cable

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

3080369B71 Computer Interface Cable, RIB to 25 pin D

3080369B72 Computer Interface Cable, RIB to 9 pin D

Programming Cable

Required to program radio, acts as a link between RIB box and Radio.

3080369B73 Programming Cable

Service Manuals

6881076C20	Astro Digital SPECTRA Basic Service Manual, VHF, UHF, 800 MHz
6881076C25	Astro Digital SPECTRA Detailed Service Manual, VHF, UHF, 800 MHz
6880101W33	SPECTRA Detailed Service Manual
6881074C45	SPECTRA Service Manual, 800 MHz
6880101W37	SPECTRA Service Manual, 900 MHz
6881070C95	SPECTRA Service Manual, VHF
6880101W39	SPECTRA Service Manual, UHF
6880102W33	SPECTRA Service Manual, Securenet

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