



**SYNTOR 9000E Series***Parts List*

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
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***Cancelled Product SYNTOR 9000E:  
Aftermarket support criteria has  
been met for spare parts. Items are  
no longer available.***

## SYNTOR 9000E Series

## Mobile Accessories

### Microphones

A variety of microphones are available to meet the users requirements. The palm microphone contains an amplifier to provide the radio with high-level, noise-free audio input. The noise cancelling microphone helps reduce ambient noise from being transmitted. A handset which provides added privacy is also available.

**HMN4013A** Microphone, Noise Cancelling

**HMN1032B** Microphone, Touch Code

**HLN1220B** Handset with Hang-up Box



HMN1032B

### Speakers



HSN4018B

Rated at 15 watts. This speaker permits monitoring of radio messages while the driver is outside the vehicle.

**HSN4018B** Speaker, Standard, Includes 8-foot cable

### Siren Loudspeakers



TDN6251A

Specifically designed for electronic siren, public address and high intelligibility communications. Suitable for mobile or stationary installations. Horns can be mounted on roof, lightbar or fender. Rated at 100 watts. The wide angle siren is specifically designed to reduce wind resistance and enhance aesthetic appearance of vehicle.

**TDN6251A** Siren Loudspeaker, 11 ohm, Chrome

**TDN6254A** Siren Loudspeaker, 11 ohm, Gray Epoxy Finish

**TDN6252A** Siren Speaker, Wide Angle, 100 watt

### Underhood Siren Loudspeaker



TDN6253A

Compact rectangular weather resistant electronic siren loudspeaker is ideal for unmarked vehicles. Equipped with a durable metal horn. Can be mounted behind grill, fender well or under hood. Power rating is 100 watts.

**TDN6253A** Underhood Siren Loudspeaker, 11 ohm, Gray Epoxy Finish

## SYNTOR 9000E Series

## Accessories, Antennas

### Cable Kits

**HKN4241A** Radio Power Cable, Negative Ground, 17 Ft, 32 Mode

**HKN4051A** Cable and Fuse

### Auxiliary Switch Panel

Supplemental bank of eight switches used to control electrical functions in the vehicle

**HLN1224B** Auxiliary Switch Panel

### Installation Kit

**HLN4111A** Installation Kit. Contains self-tapping screws, locking washers, flat washer, staple, rubber grommet, clamp, bush spacer, label, and poly bag

### Mounting Tray

**0180016K02** Mounting Tray

### Antennas



Part Number: **RRA4900C**

Frequency: 806-900 MHz

Power: 150 watts,  
maximum

Gain: 3dB, nominal

VSWR: Less than 1.5:1

Impedance: 50 ohms,  
nominal

Mounting Kit: Roof Mount  
with 14' Low  
Loss Cable  
and PL259  
Connector

## SYNTOR 9000E Series

## Service Tools, Aids

### Service Tools



RSX4043A

#### Torque Screwdriver

Measures the amount of torque being applied. Built-in magnified dial. Calibrations clearly marked. Bits must be ordered separately.

**RSX4043A** Adjustable Torque Screwdriver

**6680387A74** Torx Bit T10 For Chassis Screws

**6680387A75** Torx Bit T15 For Chassis Screws

**6680387A76** Torx Bit T20 For Chassis/Handle Screw

### Alignment Tools

#### Alignment Kit

General Purpose Alignment Kit.

**6684974L01** Alignment Kit, consisting of Alignment Tool

**6680163F01** Extraction Tool used to remove VIP Connectors from Control Head

**RSX4028A** Spanner Tool, Removes Antenna Relay Locking Nut

### 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 proper cables, must be ordered separately.

**RVN4009F** Programming Software, 3 1/2" Diskette, Includes binder and manual

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



RLN4008E

**RLN4008E** Radio Interface Box

#### Programming Guide

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

**0180353A75** Programming Cable

## SYNTOR 9000E Series

## Service Aids, Manuals

### Service Aids

#### 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

#### 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)

### Manuals

**6880101W62** Systems 9000E Dual Operation Radio Service Manual

#### Accessories

**6880101W75** Systems 9000 Security Housing  
**6880101W90** Systems 9000 Security Housing Operator's Card  
**6881102E60** Handset Hang-up Units  
**6880101W97** Systems 9000 Option Expansion Housing  
**6880100W43** Handheld Control Head Radios  
**6880100W44** Option W388AC DES for Handheld Control Head Radios

### Manuals

**6880100W53** HLN1125A Field Retrofit EEPROM Module  
**6880100W72** Operating Instruction Card for Handheld Control Head with Operator Selectable Scan and DPV  
**6880100W73** Operating Instruction Card for Handheld Control Head with Select Scan  
**6880100W79** Broadband Antenna Match  
**6880100W86** Diplex Antenna Manual  
**6880100W89** Supplement to Trunked SMARTNET Dual Operation FM Two-Way Radios  
**6880102W04** SYNTOR X 9000 UHF Accessories Supplement  
**6880102W05** SYNTOR X 9000 Highband Accessories Supplement  
**6880101W10** Systems 9000 Siren/PA for SYNTOR X 9000  
**6880101W13** Systems 9000 Auxiliary Switch Panel  
**6880101W15** Systems 9000 MDC-600 Option  
**6880101W20** Systems 9000 Noise Cancelling Microphone  
**6880101W21** Systems 9000 DTMF/Telephone Interconnect  
**6880103W09** Systems 9000 Direct Entry Keyboard  
**6880101W72** SYNTOR X 9000E Dual Operations Radio Operator's Manual  
**6880101W73** SYNTOR X 9000E Quick Reference Card