## Accessory Order Form

#### Shipping & Handling\*

Amount of	Shipping/
Order	Handling
\$10.00 or less	\$3.00
\$10.01-\$25.00	\$5.50
\$25.01-\$50.00	\$7.50
\$50.01-\$90.00	\$10.50
\$90.01-\$130.00	\$13.50
\$130.01-\$200.00	\$16.50
\$200.01 plus	10% of purchase

\*For AK. HI and PR add additional \$26.95 for FedEx Next Day or \$10.95 for FedEx 2nd Day. Excludes weekend and holiday shipments.

Please allow 2-3 weeks for delivery in the U.S. Prices subject to change without notice.

ltem #	Description	Cost Ea.	Qty.	Amount
AC-701	Replacement Connector Box			
AC-702	4 Foot Extension Cord			
741-080-9-001	Replacement Microphone Bracket			
HG \$100	Dynamic External Speaker			
HG 5300	Noise Canceling External Speaker			
HG \$500	Noise Canceling With Talk Back External Speaker			
Please print cle	early		iotal	
Name				·····
	P.O. Box)			
Address (No				
Address (No City	P.O. Box)	State	 2	
Address (No City Zip	P.O. Box)	State	2	
Address (No City Zip Credit Card N	P.O. Box) Telephone ()	State	2 Date	

The Cobra<sup>®</sup> line of quality products also includes: CB Radios

- microTALK<sup>®</sup> Radios
- Radar/Laser Detectors
- Safety Alert® Traffic Warning Systems
- Accessories
- GPS (Global Positioning System)
- HighGear™ Accessories Power Inverters

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VHF Marine Radios



Scobra® 76 XTR

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**Operating Instructions** 

**Street XTreme** 

**Street Communicator** 

for your Cobra 76 XTR

**Cobra Electronics Corporation** 6500 West Cortland Street Chicago, IL 60707 USA

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## The Citizens Band Story **FCC** Information

The Citizens Band lies between the shortwave broadcast and 10-meter Amateur radio bands, and was established by law in 1949. The Class D two-way communications service was opened in 1959. (CB also includes a Class A citizens band and Class C remote control frequencies.)

### FCC Regulations

FCC regulations permit only "transmissions" (one party to another) rather than "broadcasts" (to a wide audience). Thus, advertising is not allowed on CB Channels because that is "broadcasting."

### FCC Warnings

All transmitter adjustments other than those supplied by the manufacturer as front panel operating controls, must be made by, or under the supervision of, the holder of an FCC-issued General Radio-Telephone Operator's License.

Replacement or substitution of transistors, regular diodes or other parts of a unique nature, with parts other than those recommended by Cobra, may cause violation of the technical regulations of Part 95 of the FCC Rules, or violation of Type Acceptance requirements of Part 2 of the Rules.

You should read and understand Part 95 (included with this unit) of the FCC Rules and Regulations, before operating your Cobra radio, even though the FCC no longer requires you to obtain an operator's license.

### What's Included with Your 76 XTR

- **1.** 76 XTR CB Transceiver
- 2. Illuminated Antenna



- 4. Connector Box
- **5.** Operating Manual (not pictured)
- 6. FCC Rules (not pictured)

## Downloaded from www.cbradio.nl

## **Controls and Indicators**



## Warning Customer Assistance

**Customer Assistance** In this user's manual, you should find all the information you need to operate your radio. If you require further assistance after reading this manual, Cobra<sup>®</sup> Electronics offers the following customer assistance services:

#### For Assistance In the U.S.A.

**Automated Help Desk** English only. 24 hours a day, 7 days a week 773-889-3087 (phone).

## **Customer Assistance**

**Operators** English and Spanish. 8:00 a.m. to 6:00 p.m. CT, Monday through Friday (except holidays) 773-889-3087 (phone).

### Questions

English and Spanish. Faxes can be received at 773-622-2269 (fax).

### Technical Assistance

English only. www.cobra.com (on-line:Frequently Asked Questions). English and Spanish. productinfo@cobra.com (email).

#### For Assistance Outside the U.S.A.

Contact Your Local Dealer

Thank you for purchasing the Cobra 76 XTR Radio. Properly used, this Cobra product will give you many years of reliable service.

### Warning

Warning: This product is intended for off road use. Please check the laws and regulations in your state, county and/or municipality regarding installation and use of this product.

The manufacturer makes no claims as to the edequacy of use and assumes no liability for any improper use or

installation. Installation and use are solely the responsibility of the purchaser.



### Replacement **Microphone Bracket** For in vehicle use 741-080-9-001



**Remote Connector Box** AC-701



AC-702



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## **Optional Accessories**



Dynamic External Speaker HG \$100



Noise Canceling External Speaker HG \$300



Noise Canceling With Talk Back External Speaker HG \$500

### Optional Accessories

You can find accessories at your local Cobra® dealer, or in the U.S.A. you can order directly from Cobra®.

Ordering From U.S.A. Call 773-889-3087 for pricing or visit www.cobra.com.

For credit card orders Complete and mail this order form to: Cobra<sup>®</sup> Electronics Attn: Accessories Department 6500 West Cortland Street Chicago, IL 60707 USA.

Or fax the completed form to us at 773-622-2269.

You may also order by phone by calling 773-889-3087 (press 1 from the main menu) 8:00 a.m. to 6:00 p.m. CT, Monday through Friday.

To order online please visit our website: www.cobra.com

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# Features of This Product Antenna Included

- Antenna Illuminates When PTT Is Pressed
  40 CB Radio Channels
  Remote Mount Installation System
- Full Featured Illuminated
   LCD Display Panel
- Squelch Control
- Dual Watch Channel Monitor
- 10 Foot Flexible Cord
- Quick Disconnect

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## Installation

Location

### Location

Mount your Cobra 76 XTR Connector Box in a convenient location, away from moisture and direct sunlight, in a location that will not interfere with driving.

Cobra suggests mounting it either under the front seat or on the fire wall.

**Under the Front Seat Installation** 

### Under the Front Seat Installation

Note

Do not mount under the hood, near heat ducts or in direct line of the car's heater.



On the Fire Wall Installation



### Mounting Connect Box

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Hold Cobra 76 XTR Connector Box in exact location desired for mounting.

2 Using it as a template, mark the location for the mounting screws (included.)



3 Mount Connector Box as shown.



Note holes.

3

## Installation

Mounting Connector Box

Make certain that nothing will interfere with the installation of mounting screws, before drilling





## Installation

### Mounting and Connections

### Mounting and Connections

The Junction Box is held by two screws, permitting mounting in the manner most convenient for your installation.

Mounting hardware is supplied for mounting the Junction Box. The mounting must be mechanically strong and also provide a good electrical connection to the chassis of the vehicle. Proceed as follows to mount junction box:

- After you have determined the most convenient location in your vehicle, hold the Cobra 76 XTR Junction Box in the exact location desired. If nothing will interfere with mounting it in the desired position, use the Junction Box as a template to mark the location for the mounting screws. Before drilling the holes, make sure nothing will interfere with the installation of the mounting screws.
- 2 Connect the antenna cable connector to the antenna receptacle on the unit. Most CB antennas are terminated with a type PL-259 plug and mate with the receptacle.



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#### 3 For constant 12 volt source power, connect the red wire marked "BATT(+)" directly to the positive side of the battery or to a connection on the fuse block that is always on.



 Connect the black wire marked "Ground" to the negative side of the car, usually the chassis. Any other location with good electrical contact (paint removed) will also work.



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Caution

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## Installation

### Mounting and Connections

Leaving the 76 XTR on after your car is turned off can drain your car battery when connected to a constant 12 volt source. When connected to an accessory 12 volt source the unit will turn off when vehicle is turned off.

## Installation

In-Dash Quick Disconnect Installation

### In-Dash Quick Disconnect Installation

 Remove rubber grommet from metal mounting plate (1).



- 2 Carefully drill hole in dash or flat area same size as hole on plate. Be sure there is adequate clearance behind the panel before drilling.
- Install the metal mounting plate on any flat surface with the two screws provided.
- Insert junction box mic connector through the hole in the metal plate (2).



 Slip rubber grommet over the black connector cable, then press the grommet into the metal mounting plate hole (2&3).



6 Slide mic connector into rubber grommet.

6



### Installing Microphone Hanger

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- Hold microphone hanger in location desired for mounting. Make certain that nothing will interfere with the hanger's installation.
- 2 Mark the location for the two mounting screws (screws included).



3 Drill and mount microphone hanger.



Installing Microphone Hanger

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## Installation





## Installation

### **CB** Antenna Installation

#### Note

Mobile installations (cars, trucks, boats, etc) should be made only with a non-directional antenna system.

A standard antenna connector (Type SO-239) is provided on the Connector Box for easy connection to a standard PL-259 cable termination.

**CB** Antenna

Do not remove foil covering from bottom of magnetic base. The foil protects the car finish.

### Installation Instructions

1 This magnetic mount antenna has been tested to withstand normal high speed driving. The magnet will hold securely under the following

conditions. Always make sure the antenna base is on a clean, flat, painted or unpainted surface. The magnetic base will not hold on non-metallic or aluminum surfaces. Periodically clean all parts of antenna to maintain maximum performance.

- 2 Clean dust and dirt away from area where antenna will be placed.
- 3 Place antenna on vehicle, roof, trunk lid, or any flat surface. For best results centrally locate.
- A Run coax cable thru to inside of vehicle routed in a manner where it will not interfere with the driver or controls and connect to the antenna connector of the radio.

### **External Speaker Installation**

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- Mount external speaker in desired location.
- 2 Plug jack into the back of the Connector Box labeled EXT.

\*The external speaker should have 4-8 ohms impedance and be able to handle at least 4 watts.



External Speaker Installation

# Note

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## Installation

Internal speaker is muted when external speaker is connected.

## Installation

PA Speaker Installation

Ignition Noise

Interference

#### PA Speaker Installation

- 1 Mount PA speaker in desired location.
- 2 Plug jack into the back of the Connector Box labeled PA.
- \*The PA speaker should have 4-8 ohms impedance and be able to handle at least 4 watts.



Public Address: An external PA speaker may be connected to the PA speaker jack when used as a public address system. The speaker should be directed away from the microphone to prevent acoustic feed-back. Physical separation or isolation of the microphone and speaker must be employed when operating the PA at high output levels.

### Ignition Noise Interference

The alternator and ignition system in your vehicle may limit your ability to receive low signal levels. Other noise interference can be the result of several different installation variables. Consult your Cobra dealer or a 2-way radio technician to help locate and correct the source of severe noise interference.



### When using the radio in CB mode:

**1** Set the CB/PA Switch to CB.

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2 Turn the Squelch Control counterclockwise until noise is heard.



### When using the radio in PA mode:

1 Set the CB/PA Switch to CB.

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2 Adjust volume to a comfortable level.



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## Operation

**Turning Your** 



## Operation

### Selecting a Channel

#### Note

Sound clarity is measured by the ratio of the signal level to the noise level. The higher the signal-to-noise ratio, the better the sound.





Before setting the squelch control on your radio, you must

 $\Box$ 

CHANNEL  $\bigtriangledown$ 

 $\frown$ 

Selecting a Channel

2 Change channels by

channel ▲ up or

Setting Squelch

pressing either the

channel ▼ down key.

\_\_\_\_\_

select a channel that is not in use.

PRESS & RELEASE

H

set to CB.

Gate set to Desired Squelch Setting (DSS)



#### $\triangle$ PRESS & **1** Be sure the CB/PA Switch is RELEASE CHANNE $\bigtriangledown$ A $\frown$ $\Box$ PRESS & 3 To quick-advance channels, HOLD CHANNEI press and hold either key.

 $\bigtriangledown$ A

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### **2** To set the "squelch gate" to the DSS-Desired Squelch Setting, turn the squelch control counterclockwise until you hear noise. Then turn the squelch control back clockwise just until the noise stops. Now only strong signals get through.



Think of your Squelch Control as a gate for incoming signals. If you turn the Squelch Control fully clockwise, it raises the "squelch gate" so high that no signals get through.

If you turn the squelch control fully counter-clockwise, it lowers the "squelch gate" so low that everything gets through - noise, weak signals and strong signals.

The Desired Squelch Setting, (DSS) only allows actual transmissions to come through. This effectively blocks out unwanted noise.



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## Operation

### Gate closed

STRONG SIGNALS	
MEDIUM SIGNALS	۵
	s
	0
WEAK SIGNALS	2
	F
NOISE	A
	U



## Operation

### LCD Display

#### Note

To avoid damaging the LCD display, do not subject your CB radio to extreme temperatures (below -5°F or above 140°F) for extended periods of time.

Feature

## LCD Display

Your Cobra 76 XTR CB is designed with a liquid crystal display that indicates channel number, or frequency and the operating mode.



2 digit channel display

**DW** = Dual Watch Indicator **AM** = Amplitude Modulation **RX** = Receive Indicator **TX** = Transmit Indicator

Signal Strength Meter

#### Channel Saver **Channel Saver Feature**

Automatically retains the last channel used when CB is turned off and returns you to that channel when CB is turned back on. This feature works only when connected to a constant 12 volt source. See page 5 for details.

### **To Transmit** In CB Mode: Be sure that the CB/PA Switch is set to CB. 2 Press the Press-To-Talk (PTT) key. PRESS & 00 *міс* HOLD 000000 00000 **3** The TX icon will appear.

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## Operation

## To Transmit

Caution! Be sure the antenna is properly connected to the radio before transmitting. Prolonged transmitting without an to the transmitter.

## 40 AM

- 4 Hold the microphone about 2 inches (5 cm) from your mouth and speak in a normal voice.
- **5** Release the PTT button and you will automatically be in the receive mode again.



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antenna, or a poorly matched antenna, could cause damage

Be sure to read the F.C.C. Rules and Regulations included with this unit before transmitting.





## Dual Watch

Note

channels.

The 76 XTR will alternate

between both channels

until it receives an incoming

the transmission stops, it will







## How Your CB Can Serve You

• Warn of traffic problems

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- Provide weather and road data
- Provide help in event of an emergency •
- Provide direct contact with home or office •
- Assist police by reporting erratic drivers •
- Get "local information" to find destination •
- Communicate with family and friends
- Suggest spots to eat and sleep •
- Keep you alert while traveling •

### A Few Rules You Should Know

- A. Conversations cannot last more than 5 minutes with another station. A one minute break is required to let others use the channel.
- B. You cannot blast others off the air by use of illegally amplified transmitters or illegally high antennas.
- C. You cannot use CB to promote illegal activities.
- D. Profanity is not allowed.
- E. You may not transmit music with a CB.
- F. Selling of merchandise and/or services is prohibited.

### Set to channel 9 for emergencies

Be sure antenna is properly connected.

### **CB** Distress Data

- - -

	When transmitting an emergency, you should reques a "REACT BASE" and provide the CB distress data (called <b>CLIP</b> ):		
	<b>C</b> all Sign	Identify yourself.	
	<b>L</b> ocation	Be exact.	
	I njuries	Number. Type. Trapped?	
	<b>P</b> roblem	Give details and help needed.	
_			

Transmit **CLIP** repeatedly so any monitor can assist.



## How Your CB Can Serve You

The FCC gives these examples of permitted and prohibited messages for channel 9. These are only guidelines and not all-inclusive:

Permitted	Example Message
Yes	"Tornado sighted six miles north of town."
No	"Post number 10. No tornado sighted."
Yes	"Out of gas on I-95 at mile marker 211."
No	"Out of gas in my driveway."
Yes	"Four car accident on I-94 at Exit 11. Send police and ambulance."
No	"Traffic moving smoothly on I-94."
Yes	"Weather Bureau has issued thunderstorm warning. Bring sailboat into port."
No	"Attention motorists. Weather Bureau advises snow tomorrow will accumulate 4 to 6 inches."
Yes	"Fire in building at 539 Main, Evanston."
No	"Halloween patrol number 3. All quiet."

## How Your CB Can Serve You

### CB 10-Codes

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CB 10-Codes

Citizen Bands have adopted the "10-CODES" for standard questions and answers. These codes provide quick and easy communication, especially in noisy areas. Following are some of the more common codes and meanings:

#### Code Meaning 10-1 Receiving poorly 10-2 Receiving well 10-3 Stop transmitting OK, message received 10-4 Relay message 10-5 10-6 Busy, stand by Out of service, leaving 10-7 10-8 In service, subject to call 10-9 Repeat message 10-10 Transmission completed standing by 10-11 Talking too rapidly 10-12 Visitors present 10-13 Advise weather/roads Make pick up at 10-16 10-17 Urgent business 10-18 Anything for us? Return to base 10-19 10-20 My location is Call by phone 10-21 10-22 Report in person to Stand by 10-23 10-24 Completed last assignment Can you contact 10-25 Disregard last info 10-26 10-27 Moving to channel Identify your station 10-28 10-29 Time is up for contact

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## How Your CB Can Serve You

# CB 10-Codes continued

Code Meaning Does not conform to FCC rules 10-30 10-33 Emergency traffic 10-34 Trouble at this station 10-35 Confidential information 10-36 Correct time is 10-37 Wrecker needed at 10-38 Ambulance needed 10-39 Message delivered 10-41 Turn to channel Traffic accident at 10-42 Traffic tie up at 10-43 10-44 Have a message for 10-45 All units within range please report 10-50 Break channel 10-60 What is next message number? 10-62 Unable to copy. Use phone 10-63 Net directed to 10-64 Net clear 10-65 Awaiting your next message/assignment 10-67 All units comply 10-70 Fire at 10-71 Proceed, transmission in sequence 10-77 Negative contact 10-81 Reserve hotel room for 10-82 Reserve room for 10-85 My address is 10-91 Talk closer to mic 10-93 Check my frequency on this channel 10-94 Give me a long count 10-99 Mission completed, all units secure 10-200 Police needed at

## Frequency Ranges

### Frequency Ranges

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The Cobra 76 XTR transceiver represents one of the most advanced AM two-way radios used as a Class D station in the Citizens Radio Service. This unit features advanced Phase Lock Loop (PLL) circuitry providing complete coverage of all 40 CB channels.

CB Channel	Channel Frequency In MHz	CB Channel	Channel Frequency In MHz
1	26.965	21	27.215
2	26.975	22	27.225
3	26.985	23	27.255
4	27.005	24	27.235
5	27.015	25	27.245
6	27.025	26	27.265
7	27.035	27	27.275
8	27.055	28	27.285
9	27.065	29	27.295
10	27.075	30	27.305
11	27.085	31	27.315
12	27.105	32	27.325
13	27.115	33	27.335
14	27.125	34	27.345
15	27.135	35	27.355
16	27.155	36	27.365
17	27.165	37	27.375
18	27.175	38	27.385
19	27.185	39	27.395
20	27.205	40	27.405

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Frequency Ranges

## Specifications

Specifications

### Specifications

СВ – 40 СН
CB – 26.965 TO 27.405
0.005 %
PLL (Phase Lock Loop) Synthesizer
30° C TO + 50° C
Electret, Push-To-Talk
13.8VDC External
SO-239
L 2 3/4" X W 1/78" X H 4 1/4"
1 lb.
LCD Display, Icons

#### TRANSMITTER

Power Output	.4.0 W at 13.8 VDC
Modulation	.AM
Frequency Response	.300 to 3000 Hz
Output Impedance	.50 Ohms, Unbalanced

### RECEIVER

CB Sensitivity	Less than 1 $\mu\text{V}$ for 10dB S /N
	Dual Conversion 1st: 10.690 MHz, 2nd: 455 KHz
Audio Output	.500 mW Maximum at 10% THD
Frequency Response	.300-3000 HZ at -6 DB
2ND If Image Rejection	Greater Than 60 DB.
Adjacent CH Rejection	.50 DB MIN
Automatic Noise Limiter	.Built In
Frequency Control	.PPL (Phase Lock Loop)

## Limited One Year Warranty

### Limited One Year Warranty

COBRA ELECTRONICS CORPORATION warrants that its COBRA CB Transceiver, and the component parts thereof, will be free of defects in material and workmanship for a period of one (1) year from the date of consumer purchase. This warranty may be enforced by the first consumer purchaser, provided that the product is utilized within the U.S.A.

COBRA will, without charge, repair or replace, at its option, a defective CB Transceiver upon delivery to the COBRA factory Service Department, accompanied by proof of the date of first consumer purchase, such a duplicated sales receipt.

You must pay initial shipping charges required to ship the product for warranty service, but the return charges will be at COBRA'S expense, if the product is repaired or replaced under warranty.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

**Exclusions:** This limited warranty does not apply; 1) to any product damaged by accident;

2) in the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs;

3) if the serial number has been altered, defaced or removed; 4) if the owner of the product resides outside the U.S.A.

All implied warranties, including warranties of merchantability and fitness for a particular purpose are limited in duration to the length of this warranty.

COBRA shall not be liable for any incidental, consequential or other damages; including, without limitation, damages resulting from loss of use or cost of installation.

Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you.

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## **Cobra Electronics** Corporation

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6500 West Cortland Street Chicago, Illinois 60707 USA





## **Product Service**

### Product Service

#### Service

For technical assistance, please call our Automated Help Desk at (773) 889-3087 24 hours a day, 7 days a week. This can assist you by answering the most frequently asked questions about Cobra products.

#### A Consumer Service

**Representative** can be reached at (773) 889-3087 8:00 am - 6:00 pm, Monday through Friday, CT.

**Technical assistance** is also available on-line in the Frequently Asked Questions (FAQ) section at www.cobra.com

or by e-mail to productinfo@cobra.com

#### **Product Service**

#### If you think you need service call 773.889.3087

If your product should require factory service please call Cobra first before sending in your unit. This will ensure the fastest turn-around time on your repair.

You may be asked to send your unit to the Cobra factory. It will be necessary to furnish the following in order to have the product serviced and returned.

- For Warranty Repair include some form of proof-of-purchase, such as a mechanical reproduction or carbon of a sales receipt. If you send the original receipt it cannot be returned.
- 2 Send the entire product.
- Enclose a description of what is happening with the unit. Include a typed or clearly print name and address of where the unit is to be returned.
- Pack unit securely to prevent damage in transit. If possible, use the original packing material.
- Ship prepaid and insured by way of a traceable carrier such as United Parcel Service (UPS) or First Class Mail to avoid loss in transit to: Cobra Factory Service, Cobra Electronics Corporation, 6500 West Cortland Street, Chicago, IL 60707 USA.
- If the unit is in warranty, upon receipt of your unit it will either be repaired or exchanged depending on the model. Please allow approximately 3 to 4 weeks before contacting us for status. If the unit is out of warranty a letter will automatically be sent informing you of the repair charge or replacement charge. If you have any questions, please call 773.889.3087 for assistance.

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