



AUDIOVOX®
ELECTRONICS CORP.



**SIRIUS® SATELLITE DIGITAL AUDIO
RECEIVER SYSTEM MODELS SRSIR-001,
SRSIR-001FM and MODEL SRSIR-001FMR**

INSTALLATION MANUAL



For Customer Service
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Product Information, Photos,
FAQ's Owner's Manuals

INTRODUCTION

The Audiovox Electronics SIRIUS® Satellite Digital Audio Control And Receiver System (Model SRSIR-001 and SRSIR-001FM) was developed to allow the user to listen to a huge selection of programming supplied by a subscription to SIRIUS® Radio. (SIRIUS® compatible antenna required).

The Audiovox Electronics SIRIUS® Satellite Digital Audio Control And Receiver System is easily installed using the installation instructions herein, and is designed to work with the user's existing car stereo system through an unused FM frequency or the auxiliary audio inputs. The programming and use of this system is described in detail in the supplied Owner's Manual.

The Audiovox Electronics SIRIUS® Satellite Digital Audio Control and Receiver System comes with a satellite RADIO RECEIVER UNIT (RRU), a SATELLITE SYSTEM CONTROL UNIT (SCU) allows the user to select an exact SIRIUS® Radio channel on the easy to read display. The controller is compact, pleasantly designed and can be mounted in the cab of the vehicle in numerous ways. This Installation Guide depicts typical installation scenarios.

It is important that the installer reads and understands all of the installation procedures for each of the components to be installed, either supplied with the Audiovox Electronics SIRIUS Satellite Digital Audio Control and Receiver System (Model SRSIR-001 / SRSIR-001FM/ SRSIR-001FMR) or equipment that is to be installed in conjunction with the system such as the SIRIUS® Antenna.

The Audiovox Electronics SIRIUS® Satellite Digital Audio Control and Receiver System (Model SRSIR-001/ SRSIR-001FM) comes with a 36 month limited warranty (see the back cover of the owner's manual for details)

TRADEMARKS

SIRIUS® is a registered trademark of Sirius Satellite Radio Inc. All rights reserved.
www.siriusradio.com

PRO.Fit® and VSM® are registered trademarks of Pro.Fit International. All rights reserved.
www.pro-fit-intl.com

Other product names mentioned in this manual may be trademarks or registered trademarks of their respective companies and are hereby acknowledged.

INSTALLATION and WIRING PRECAUTIONS

- 1.** To prevent a short-circuit, Be sure to turn off the ignition and remove the negative(-) battery cable, prior to installation. Connect power wires last.

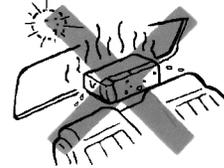
NOTE: If the SRSIR-001 / SRSIR-001FM/ SRSIR-001FMR System is to be installed in a car that is equipped with an on-board drive or navigation computer, do not disconnect the battery cable. If the cable is disconnected, the computer memory may be lost. Under these conditions, use extra caution during installation not to cause a short circuit.

- 2.** Do not install the unit in the following locations:

Locations exposed to direct sunlight.

Where hot air is discharged from the car heater.

In areas subject to extreme temperatures.



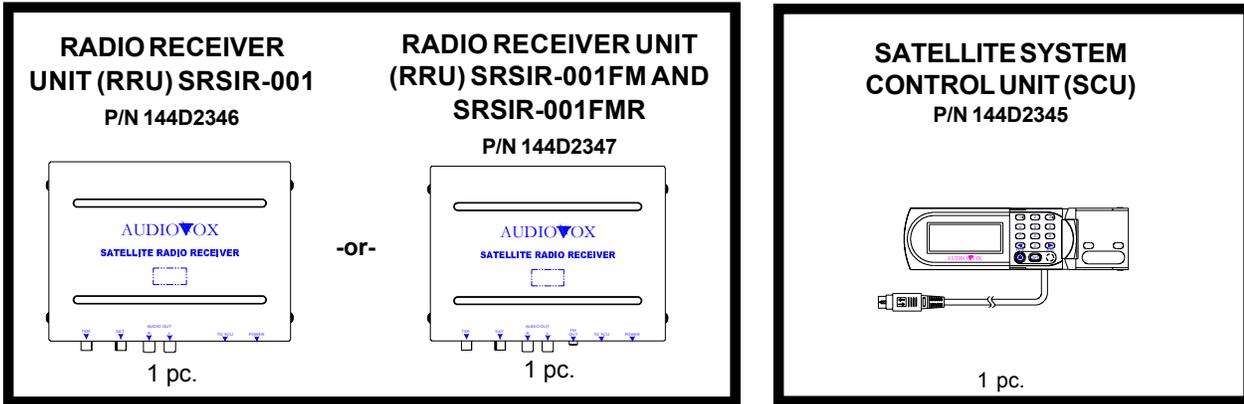
- 3.** Incorrect installation may cause damage to the system. Mount the unit firmly in place, using the supplied brackets and screws.
- 4.** Be careful not to damage the car wiring.
- 5.** Be sure to use the supplied screws and washers.
- 6.** Be careful not to snag any wires when tightening screws.

PACKING LIST

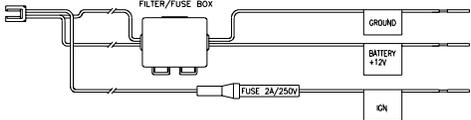
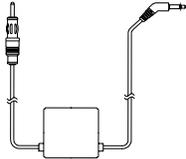
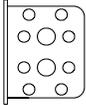
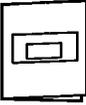
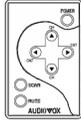
SRSIR-001 / SRSIR-001FM / SRSIR-001FMR

(NOTE: Components are not drawn to scale.)

MAIN SYSTEM COMPONENTS



INSTALLATION PARTS

<p>Power Wire Harness P/N 112C3157 (6 Meter) (w/ (2)Fuse,AGC Style 250 V-2Amp)</p>  <p>1 pc.</p>	<p>RCA to RCA Cable P/N 112B3114 (6 Meter) Used to connect the RRU to an external audio device.</p>  <p>1 pc.</p>	<p>Din Cable, 6 - pin P/N 112C3158 (6 Meter) To connect the RRU to the SCU</p>  <p>1 pc.</p>
<p>RRU - HARDWARE KIT - P/N 1501418</p> <p>Phillips Round Head Screw (4mm x 8mm) 4 pcs</p> <p>Phillips Pan Head Screw (5mm x 15mm) 4 pcs</p> <p>Split Lock Washer, M4 4 pcs</p> <p>Flat Washer, M4 4 pcs</p>	<p>SCU - HARDWARE KIT - P/N 1501442</p> <p>Phillips Round Head Screw (4mm x 8mm) 4 pcs</p> <p>External Tooth Lock Washer 4 pcs</p>	<p>FM SWITCHING BOX ASSY P/N 112C3159 (6 Meter) (SRSIR-001FM only)</p> <p>Hook & Loop Adhesive Tape 1 cut set.</p>  <p>1 pc.</p>
<p>RRU Mounting Bracket P/N 108B3621</p>  <p>2 pc.</p>	<p>SUPPLIED ACCESSORIES</p> <p>Quick Reference Card P/N 1286376</p>  <p>1 pc.</p> <p>Owner's Manual P/N 1286374</p>  <p>1 pc.</p>	<p>OPTIONAL ACCESSORIES</p> <p>Satellite Radio Wireless Remote Control Model #SAT-RC</p> 

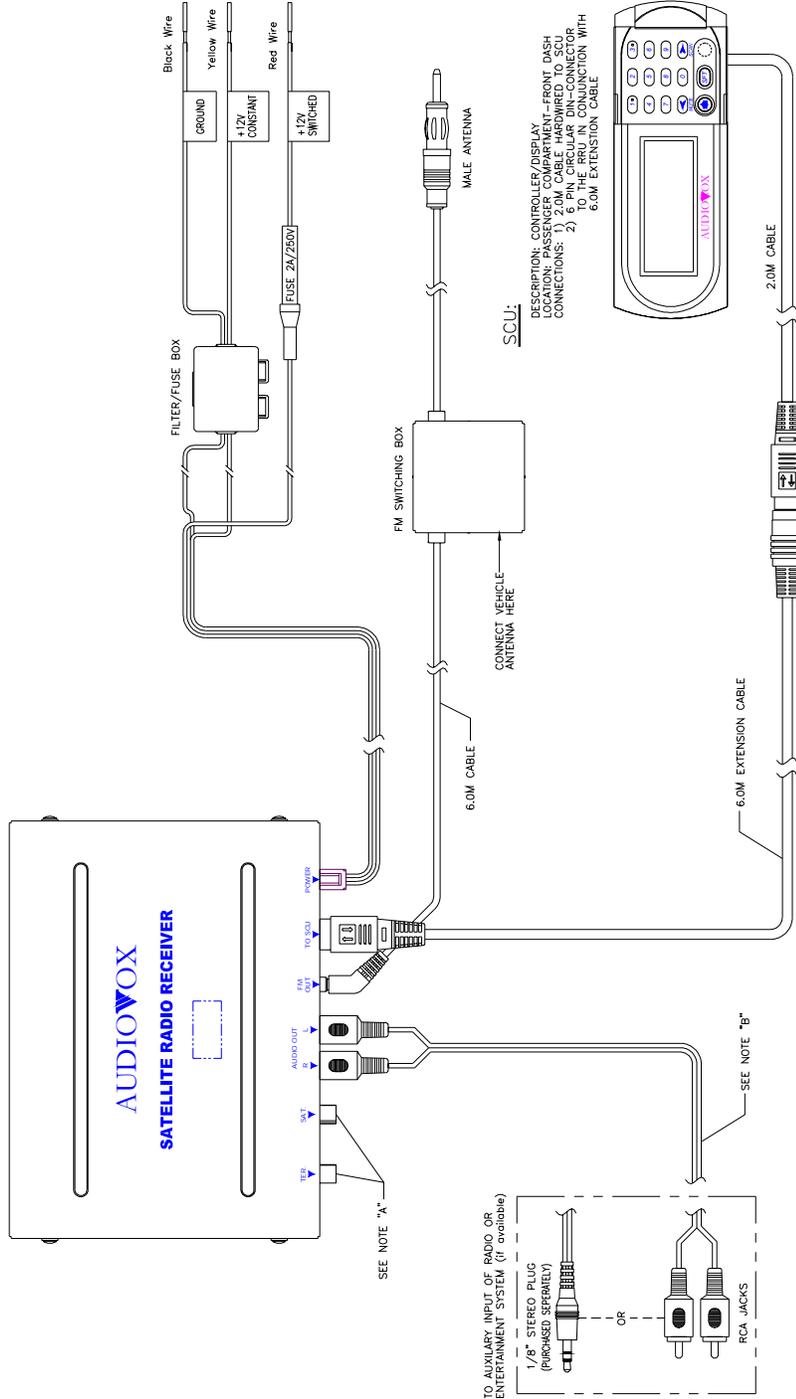
SRSIR-001FM AND SRSIR-001FMR RF MODULATED SYSTEM INSTALLATION

NOTE: "A" To Satellite Radio Antenna (Sold separately)
 *White= Terrestrial connection
 *Yellow= Satellite connection

NOTE: "B" RCA to RCA Cable (supplied with system) used to connect the RRU Audio Output to the Radio Receiver Audio Input.

NOTE: "C" Before routing the Din Cable to connect the SCU to the RRU, observe the gender (Male / Female connector) of the cable to avoid any unnecessary re-work. The Female connector is matched to the SCU and the Male connector is matched to the RRU.

RRU:
 DESCRIPTION: MAIN RECEIVER, PROVIDES FM OUTPUT AS WELL AS SATELLITE AND TERRESTRIAL CONNECTIONS TO HEAD UNIT. PROVIDES INTERCONNECT TO VEHICLE.
 LOCATION: TYPICALLY REAR CARGO OR TRUNK FOR ENTIRE SYSTEM, 6.0M LENGTH WIRE FOR FM SWITCHING BOX.
 CONNECTIONS: 1) +12V CONSTANT, +12V ACC AND GROUND 2) 1 PAIR OF RCA LOW LEVEL AUDIO OUTPUTS 3) 1 PAIR OF RCA LOW LEVEL AUDIO INPUTS 4) 6 PIN CIRCULAR DIN-CONNECTOR FROM HEAD UNIT 5) CONNECTS TO SATELLITE AND TERRESTRIAL ANTENNAS.

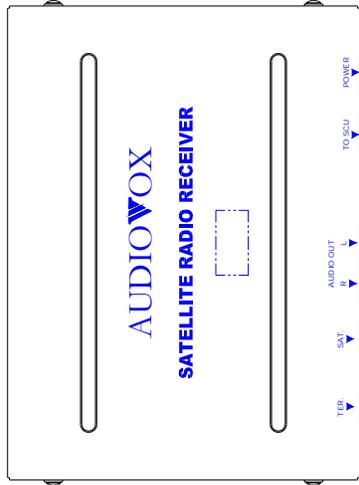


IMPORTANT - Some vehicles use a special dual antenna "Diversity" system. If the vehicle into which this system is being installed has this type of antenna system, the antenna cable will not fit the socket on the FM modulator. Use of the SRSIR-001FM system with "Diversity" systems is not recommended. You may also find some cars have an antenna plug that is too small to mate with the socket on the FM modulator. If this is the case, call Audiovox's Toll-Free Assistance for a special adaptor. This adaptor can also be purchased at most car stereo installation centers.

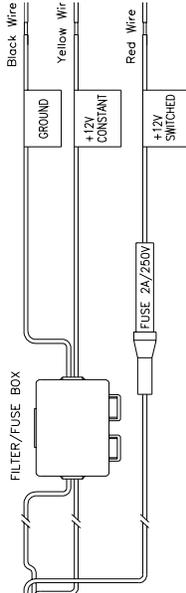
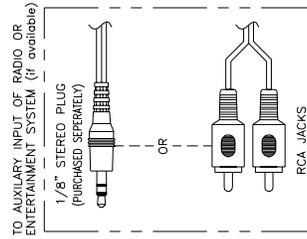
RRU:

DESCRIPTION: MAIN RECEIVER, PROVIDES LOW LEVEL AUDIO OUTPUT TO HEAD UNIT. PROVIDES INTERCONNECT TO VEHICLE FOR THE ENTIRE SYSTEM. +12V ACC. AND GROUND FOR THE ENTIRE SYSTEM. TRUNK OR REAR FOR THE ENTIRE SYSTEM. +12V ACC. AND GROUND FOR THE ENTIRE SYSTEM. 6.0M LENGTH WIRE

CONNECTIONS: 1) +12V CONSTANT
2) 1 PAIR OF RCA LOW LEVEL AUDIO OUTPUTS
3) 6 PIN CIRCULAR DIN-CONNECTOR FROM THE SCU
4) CONNECTS TO SATELLITE AND TERRESTRIAL ANTENNAS.

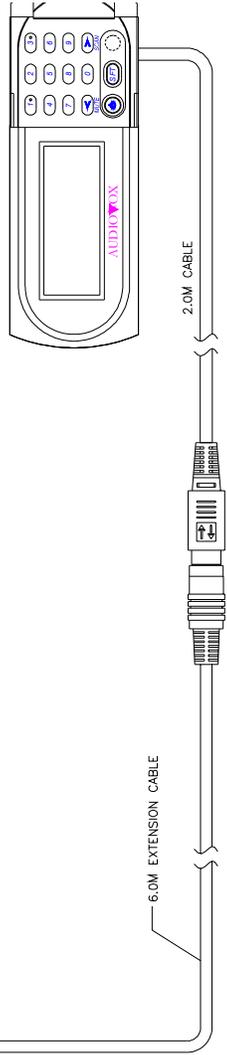


SEE NOTE "A"

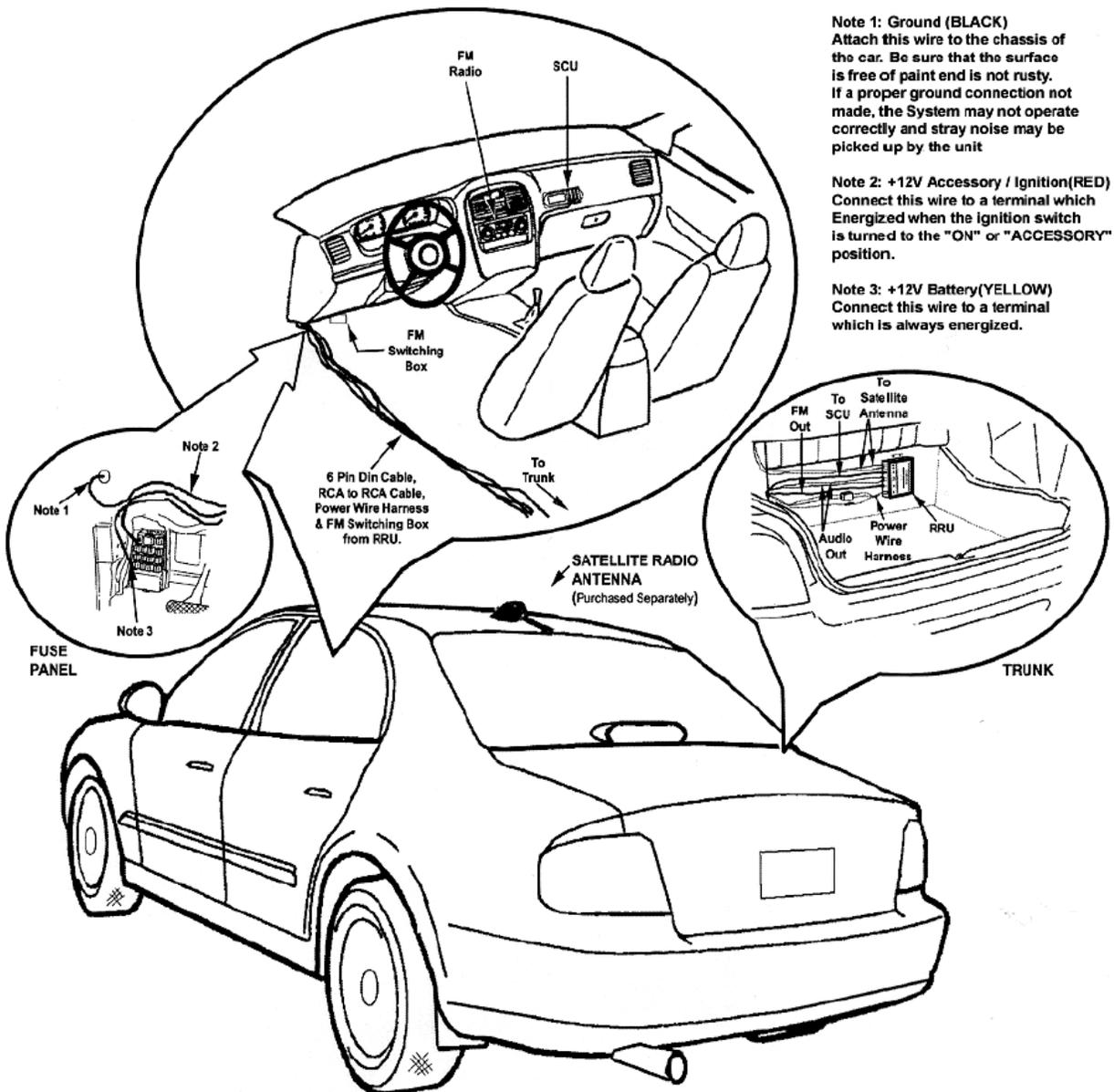


SCU:

DESCRIPTION: CONTROLLER/DISPLAY
LOCATION: PASSENGER COMPARTMENT-FRONT DASH
CONNECTIONS: 1) 2.0M CABLE HARDWIRED TO SCU
2) 6 PIN CIRCULAR DIN-CONNECTOR TO THE RRU IN CONJUNCTION WITH 6.0M EXTENSION CABLE



TYPICAL FM MODULATED INSTALLATION for SRSIR-001FM SYSTEM COMPONENT LAYOUT



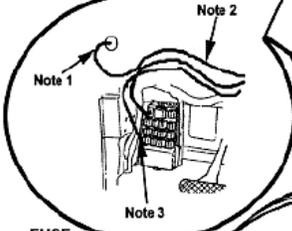
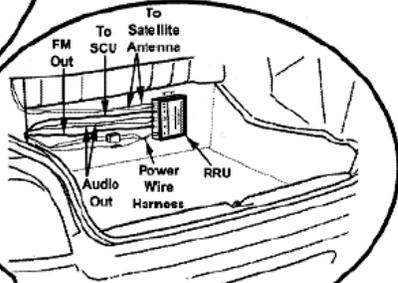
Note 1: Ground (BLACK)
Attach this wire to the chassis of the car. Be sure that the surface is free of paint and is not rusty. If a proper ground connection not made, the System may not operate correctly and stray noise may be picked up by the unit

Note 2: +12V Accessory / Ignition(RED)
Connect this wire to a terminal which Energized when the ignition switch is turned to the "ON" or "ACCESSORY" position.

Note 3: +12V Battery(YELLOW)
Connect this wire to a terminal which is always energized.

6 Pin Din Cable,
RCA to RCA Cable,
Power Wire Harness
& FM Switching Box
from RRU.

SATELLITE RADIO
ANTENNA
(Purchased Separately)



FUSE
PANEL

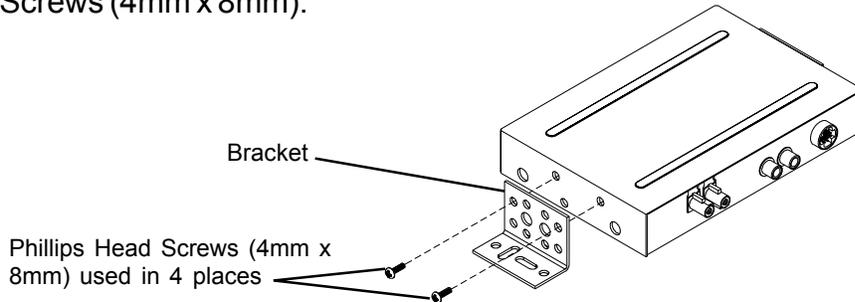
TRUNK

SYSTEM INSTALLATION

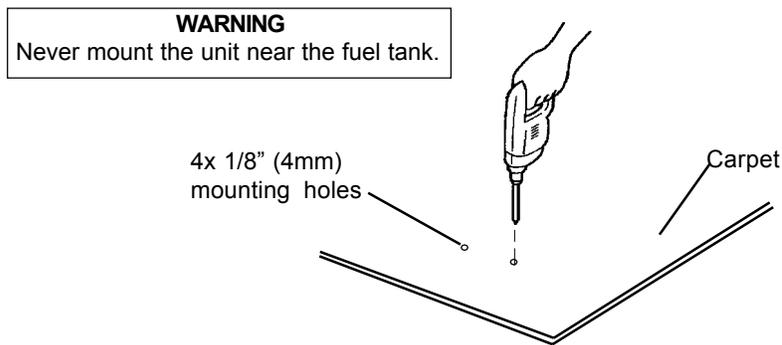
RADIO RECEIVER UNIT (RRU)

PROCEDURE for HORIZONTAL INSTALLATION of the RRU

1. Attach the mounting brackets to each side of the RRU, using the 4 Phillips Round Head Screws (4mm x 8mm).

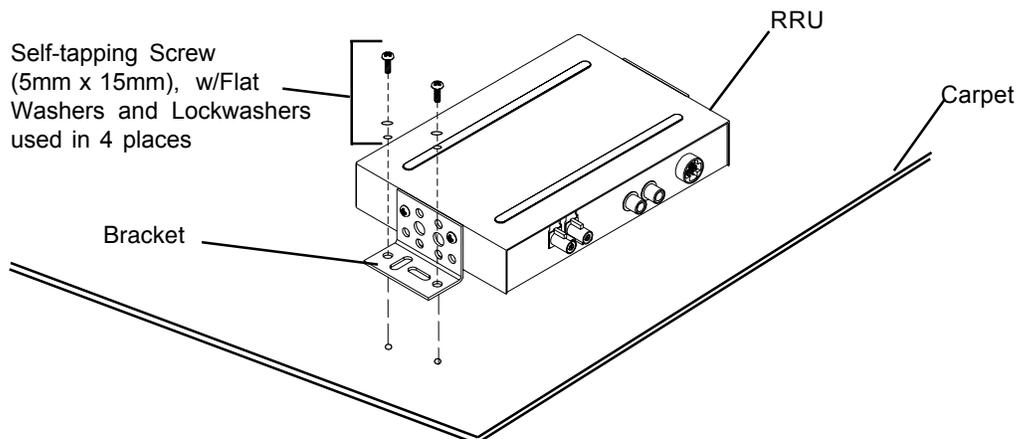


2. Determine the mounting location and drill 4x 1/8" (4mm) mounting holes.



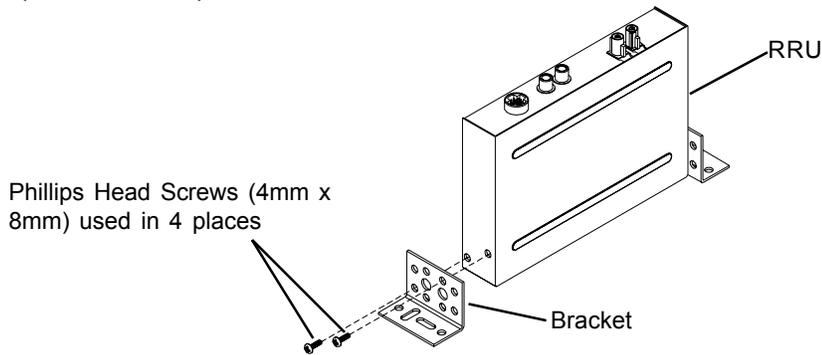
NOTE: If mounting surface is carpeted, use caution when drilling holes to prevent drill bit from catching on carpet. Cut holes in carpet before drilling into subsurface.

3. Mount the unit in place, using 4 Self-tapping Screws (5mm x 15mm), w/Flat Washers and Lock Washers. Use RTV (silicone sealer) on screw threads or around the holes to prevent moisture intrusion.

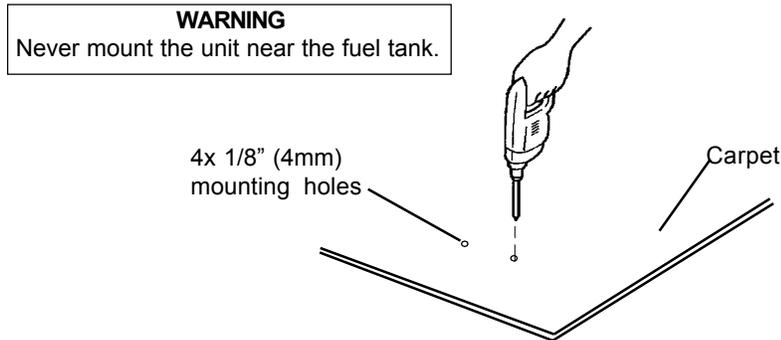


PROCEDURE for VERTICAL INSTALLATION of the RRU

1. Attach a mounting bracket to each side of the RRU, using the 4 Phillips Round Head Screws (4mm x 8mm).

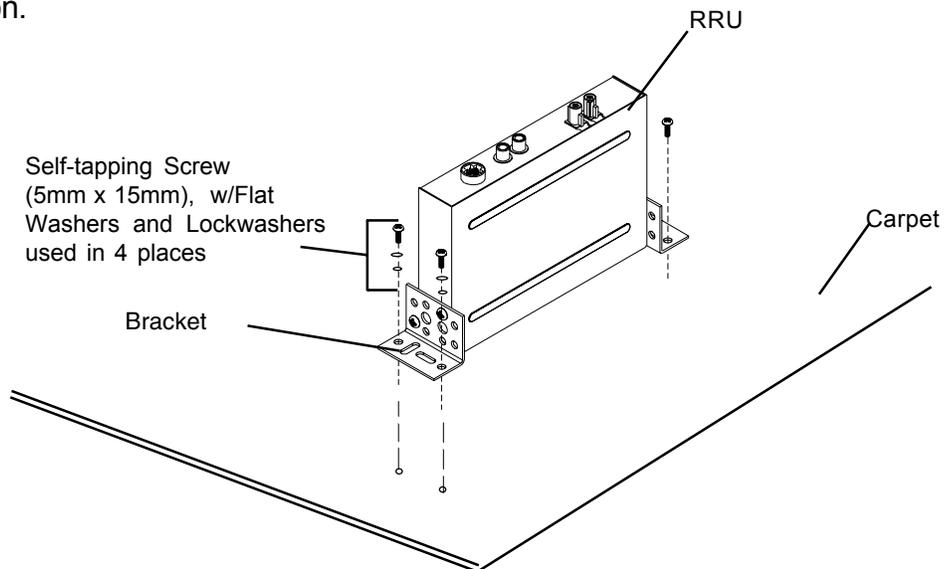


2. Determine the mounting location and drill 4 x 1/8" (4mm) mounting holes.



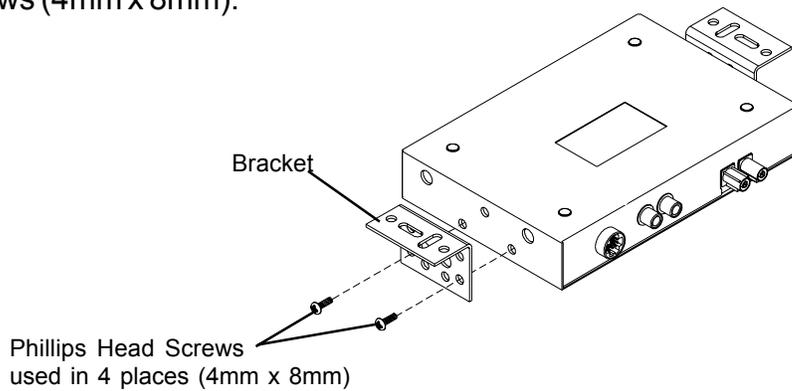
NOTE: If mounting surface is carpeted, use caution when drilling holes to prevent drill bit from catching on carpet. Cut holes in carpet before drilling into subsurface.

3. Mount the unit in place, using 4 Self-tapping Screws (5mm x 15mm), w/Flat Washers and Lock Washers. Use RTV (silicone sealer) on screw threads or around the holes to prevent moisture intrusion.

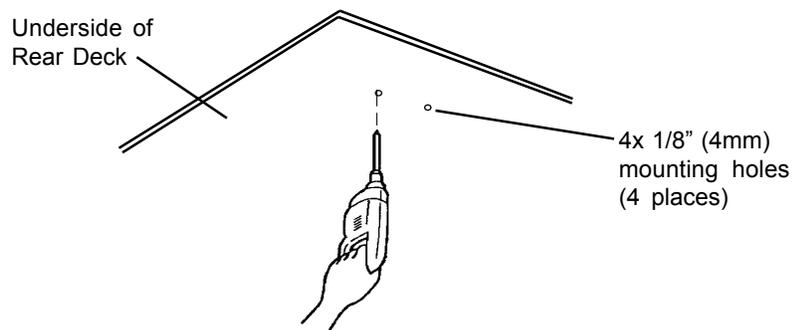


PROCEDURE for the MOUNTING of the RRU UNDER THE REAR DECK

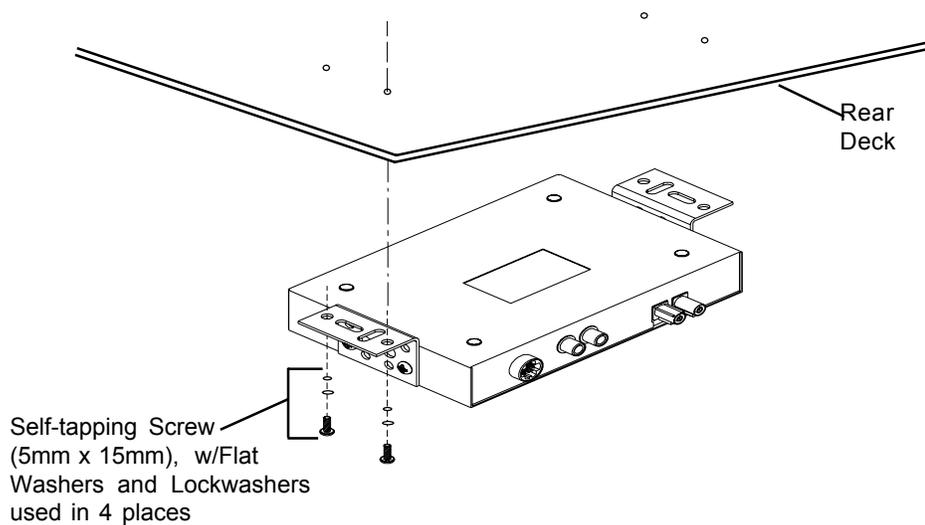
1. Attach the mounting brackets to each side of the RRU, using the 4 Phillips Round Head Screws (4mm x 8mm).



2. Determine the mounting location and drill four 4mm mounting holes.



3. Mount the unit in place, using 4 Self-tapping Screws (5mm x 15mm), w/Flat Washers and Lock Washers.



INSTALLING THE SATELLITE SYSTEM CONTROL UNIT (SCU) PROCEDURE for a TYPICAL INSTALLATION of the SCU USING HOOK & LOOP ADHESIVE TAPE (SUPPLIED)

1. Determine where the SCU is to be located (flat surface) **NOTE:** The chosen position must allow a clear view of the display and easy access to the controls for both the Driver and Passenger of the vehicle.
2. Using an Alcohol Swab, clean and dry the entire surface area where the SCU is to be mounted and the back surface of the SCU.
3. Remove the protective paper from the back of the first piece of the supplied Hook & Loop Adhesive Tape (Loop side) and apply it to the mounting surface (see Figure 1.)
4. Remove the protective paper from the back of the second piece of the supplied Hook & Loop Adhesive Tape (Hook side) and apply it to the back side of the SCU (see Figure 2.). Position the SCU cable in the appropriate directional channel on the back of the SCU so that the back surface is flat (see Figure 3.).
5. Carefully press the SCU into place.
6. Connect the SCU Cable to the 6 - pin Din Cable from the RRU

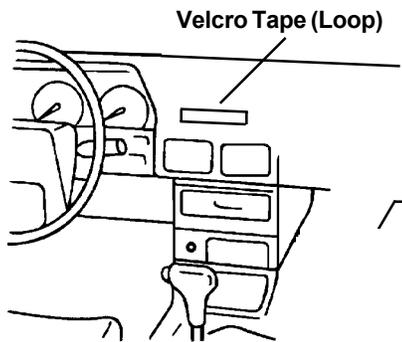


Figure 1.



Figure 2.

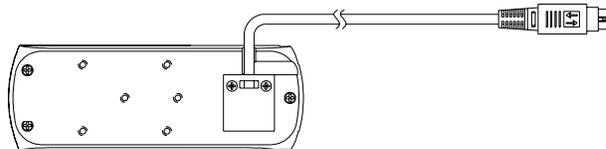


Figure 3.

NOTE: Do not install the unit in the following locations:

In Locations exposed to direct sunlight.

Where hot air is discharged from the car heater.

In areas subject to extreme temperatures.

PROCEDURE FOR A TYPICAL BRACKET INSTALLATION OF THE SCU (Bracket not supplied)

Audiovox suggests this type of installation over the Hook & Loop type of installation though the Hook & Loop installation (if done correctly) is a secure and sufficient mounting option. Installation of the SCU using a bracket results in a professional, factory-installed look, without visibly damaging the interior of the vehicle. There are several types of brackets available to accomplish this type of installation.

The installation procedure that follows, illustrates the use of a Pro.Fit® mounting bracket. Audiovox has found that the Pro.Fit® VSM® line of mounting brackets are easy to install and compliments the installation of the SCU. Pro.Fit® VSM® mounting bracket reduce the installation liability while maintaining the resale value of a car because of the professional fit, professional look and safe design.

Currently Pro.Fit® VSM® offers hundreds of brackets, covering most popular cars, vans, and trucks. Step-by-step instructions and technical support are available for every mount and application.

After the proper mounting bracket has been selected and installed using the Original Manufacturers installation instructions, proceed with the following steps:

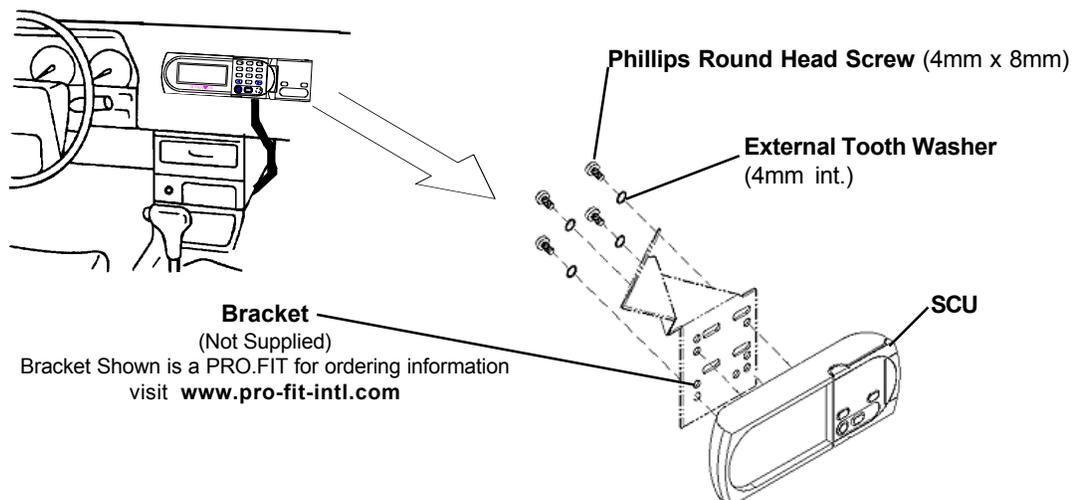
1. Connect the SCU Cable to the 6 - pin Din Cable from the RRU
2. Using the Phillips Head Screws and the External Tooth Lock Washers (supplied), Mount the SCU to the bracket as shown in the Figure below.

NOTE: Use caution not to over tighten the screws into the back of the SCU as this may cause damage to the unit.

NOTE: Do not install the unit in the following locations:

In Locations exposed to direct sunlight. Where hot air is discharged from the car heater. In areas subject to extreme temperatures.

(Example installation position)



Upon completion of the SCU installation and before the SIRIUS® radio is activated a test of the system should be performed. To verify that the SRSIR-001/ SRSIR-001FM/ SRSIR-001FMR System and the SIRIUS® Antenna have been installed correctly and are functioning, select and listen to CH 184. (SIRIUS® preview channel). If there is no power to the SCU check that all connections have been made and that fuses are good. If there is no signal present, make sure that the SIRIUS® Antenna is unobstructed (move vehicle) and for SRSIR-001FM check the antenna cable connection to the FM Antenna Switching Box For a detailed trouble-shooting guide, refer to the Owner's Manual.

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