

WINEGARD®

MODEL RS-1500

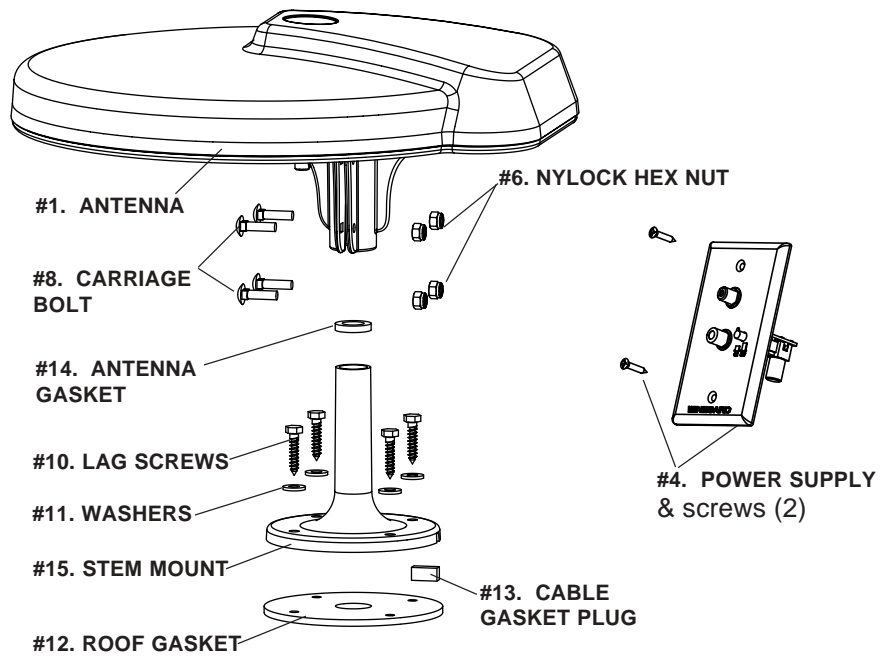
OMNIDIRECTIONAL TV/FM ANTENNA

NOTE: Please read all instructions **before** beginning installation!

WARNING!
To prevent **FIRE** or **SHOCK HAZARD**, avoid exposure of power supply to moisture.

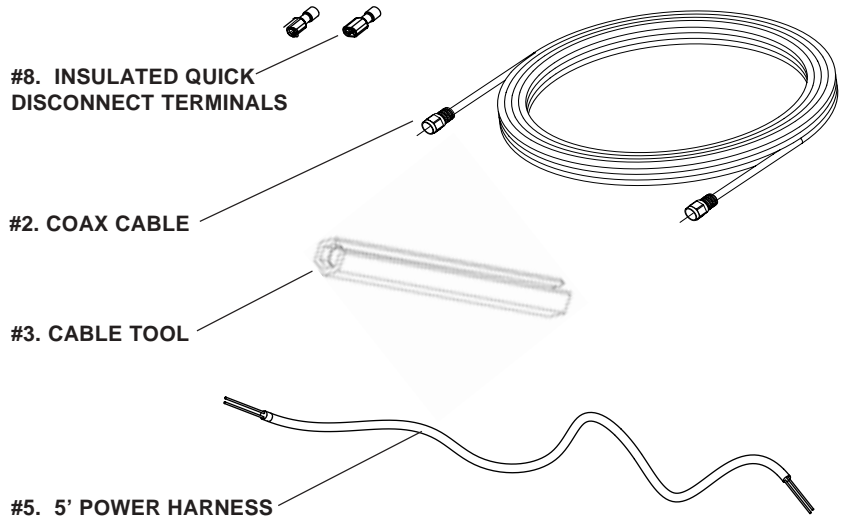
PARTS LIST

1. (1) Antenna
2. (1) 15' RG-6 Low Loss Coax Cable
3. (1) Cable Tool
4. (1) Power Supply RV-7542
5. (1) 5' Power Harness
6. (4) 1/4-20 Nylock Hex Nuts
7. (4) 1/4-20 Carriage Bolts
8. (2) Insulated Quick-Disconnect Terminals
9. Mount
10. (4) Lag Screws 1/4" x 1/4"
11. (4) Washers 1/4"
12. (1) Roof Gasket
13. (1) Cable Gasket Plug
14. (1) Antenna Gasket
15. Stem Mount



TOOLS NEEDED

- #2 Phillips screwdriver
- 7/16" wrench
- Crimping tool
- Medium slot screwdriver
- Cable tool (provided)
- Wire stripper

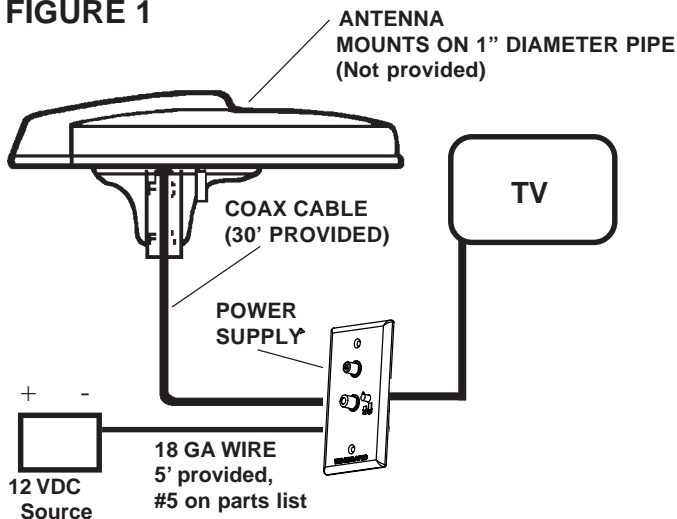


BEFORE YOU MOUNT ANTENNA: Decide location of power supply before mounting your antenna.

A wiring diagram, Figure 1, will help you determine the location for your power supply and antenna. **Antenna and power supply location determines where and how you run cables.**

DO NOT begin installation before carefully reading all installation instructions.

FIGURE 1



INSTALLING ANTENNA MOUNT

OPTION 1: Drill through roof and run cable up center of antenna mount. Use gasket and plug in antenna mount. Route cable (supplied) from antenna to wall plate.

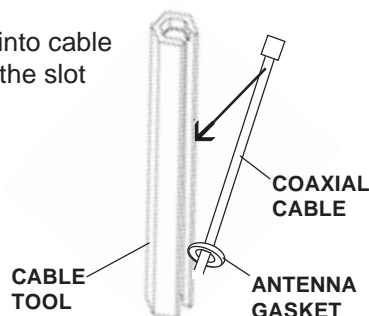
OPTION 2: Run cable (supplied) along roof. Place through open slot at bottom of antenna mount. Route cable to wall plate.

FOR BOTH OPTIONS: Connect coax to antenna head. Next, screw mount down over gasket using screws provided. Use approved sealant to cover screw heads.

CONNECTING COAX CABLE TO THE ANTENNA

1. Slide coax cable through antenna gasket. (The antenna gasket is in the middle of the large mount gasket; pull out.)
2. Slide coax cable into cable tool (#3) through the slot in the side of the tool, hex end up, Figure 2.

FIGURE 2



2. Pull the cable down until the end of the connector is flush with the hex-shaped end of the cable tool. See Figure 3.

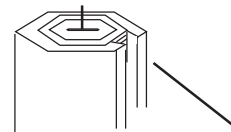


FIGURE 3

CABLE CONNECTOR FLUSH WITH END OF CABLE TOOL

3. Insert the cable tool with cable attached into the mounting bracket on the underside of the antenna, aligning the end of the connector with the cable connection on the antenna. Push up until you feel a SLIGHT resistance.
4. Turn cable tool **to the right** until the connector is tight.
5. Remove cable tool.

INSTALLING ANTENNA ON MOUNT

1. After cable connection is made, slide antenna gasket down coax to top of mount. Then slide antenna onto mount. GENTLY pull back any extra cable inside vehicle.
2. Fasten antenna to mast using 1/4-20 carriage bolts (#7) and nylock hex nuts (#6). Tighten firmly to prevent antenna from turning on mount or mast.

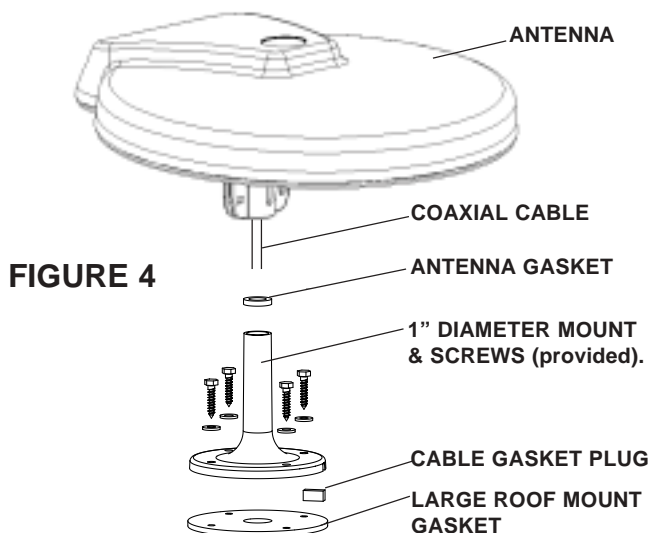


FIGURE 4

CONNECTING POWER SUPPLY

1. Select location for power supply. Run two coax cables (three if Set 2 jack is going to be used) (RG-59 type) between locations and install connectors on each end. **Mark cables so "cable input", "TV output" "Set 2" may be identified.**

Antenna download and +12 VDC also needed at inside power supply location. See wiring diagram, Figure 5.5

2. To mount the power supply, cut a hole in wall to fit the power supply. Connect 5' 18 GA wire harness (#5 on parts list) between power supply and +12 VDC source and route download cable to this location.

CAUTION: TURN OFF POWER SUPPLY WHEN CONNECTING CABLES/WIRES!

3. Connect 12 VDC to wall plate/power supply. Install terminals on wires from +12 VDC source as shown in Figure 6.

4. Crimp terminals with crimping tool, Figure 8. Push wires onto tabs on terminal board as shown in Figure 6. If in doubt as to the polarity of the wires, connect them temporarily to tabs on circuit board and press ON switch on front of wall plate; if light comes on polarity is correct.

5. Install connectors on download, Set 2 and Cable Input cables. Attach download cable to jack on wall plate/power supply marked Antenna as shown in Figure 6. Attach cable going to Set 2 outlet to jack on power supply marked SET 2. Attach cable coming from cable input to jack on power supply marked CABLE.

5. Mount power supply in wall with screws provided; attach TV set cable to jack on front of power supply/wall plate. Press ON switch on front of wall plate and check that light is on.

CHECKING OPERATION OF POWER SUPPLY

1. Tune TV receiver to nearest station and rotate antenna for best picture and sound.

2. Press OFF switch on power supply. Picture on TV should be considerably worse with power off.

3. **This unit is equipped with a polyswitch** (current limiting device) which will shut down +12 VDC if there is a direct short between antenna and power supply. Red indicator light will not light. Once short is eliminated, device will reset itself.

FIGURE 6

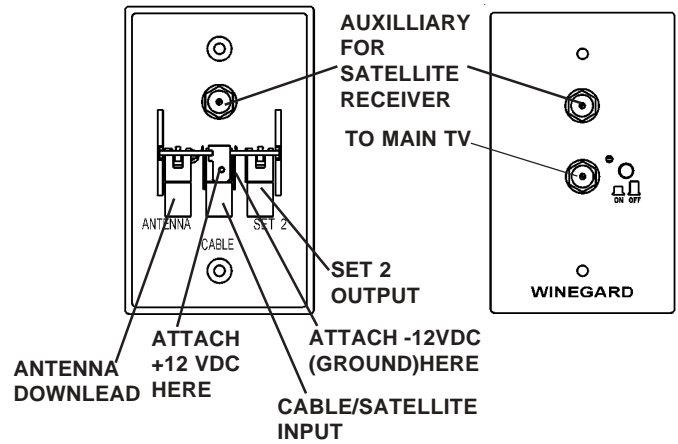


FIGURE 7

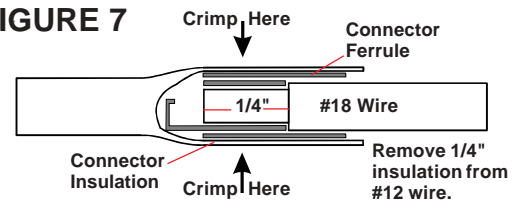


FIGURE 8

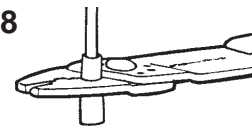
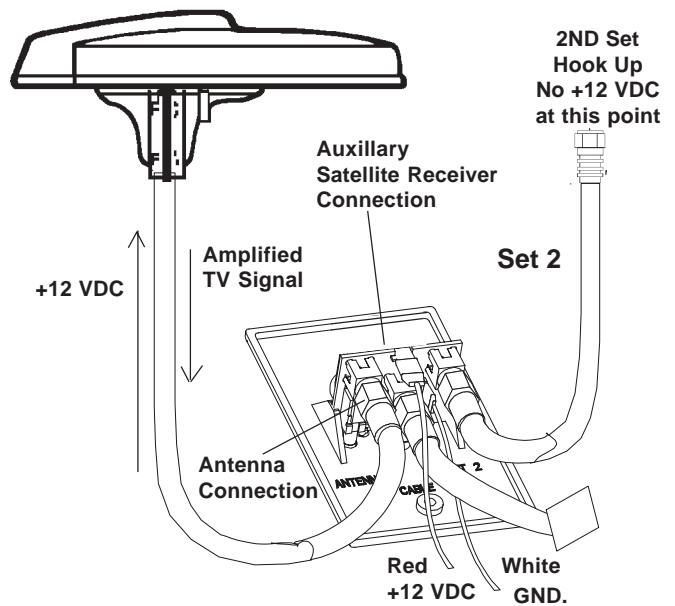


FIGURE 5
(Wiring diagram)



IMPORTANT

Positive and Negative leads from Battery must be connected to the control box terminals exactly as shown

WHAT TO DO WHEN YOUR RV/TV ANTENNA IS NOT WORKING PROPERLY

WARNING

DO NOT install couplers, splitters, etc. between power supply and antenna. Installation of any item on the download **MAY CAUSE A SHORT IN THE SYSTEM.** The download supplies +12 VDC to preamp in antenna.

HOW YOUR SYSTEM WORKS

Turning power supply on sends +12 VDC up cable to antenna. Voltage energizes transistors on amplifier in antenna head. TV signal comes back down cable to outlets.

TO TEST SYSTEM

1. Make sure TV set is working properly.
2. Switch power supply ON and OFF to see if there is a difference in the picture quality while watching TV. If NO difference, use following steps.

CAUTION!

The power supply should be turned OFF when connecting/disconnecting cables to power supply and antenna, turned ON when testing for voltage.

3. Disconnect cable from antenna and check for +12 VDC at Test Point #1. If there is +12 VDC, the power supply is OK and the antenna needs to be replaced.

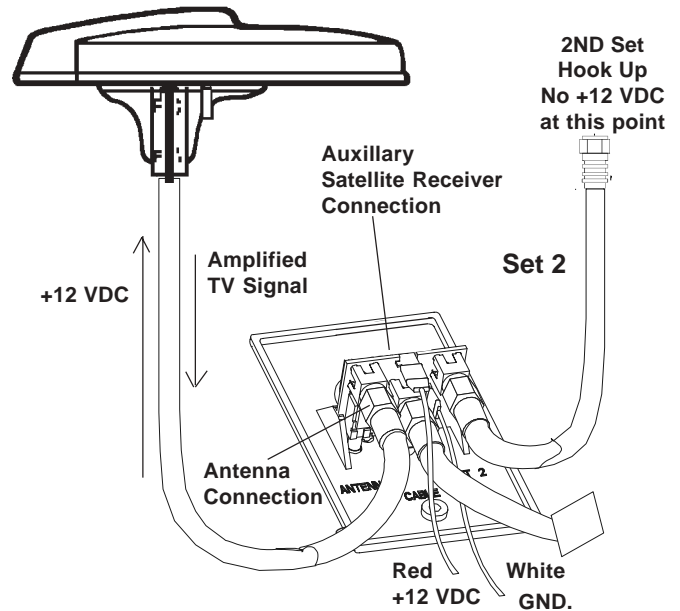
4. If there is NO +12 VDC at Test Point #1, reconnect cable to antenna. Remove power supply from wall and inspect for burned/broken parts. If there are ANY broken or burned parts, replace power supply.

5. Disconnect cable from antenna jack on power supply. Check for +12 VDC Test Point 2. If +12 VDC is present, there is a problem in the cable connecting the power supply to the antenna. Repair or replace cable.

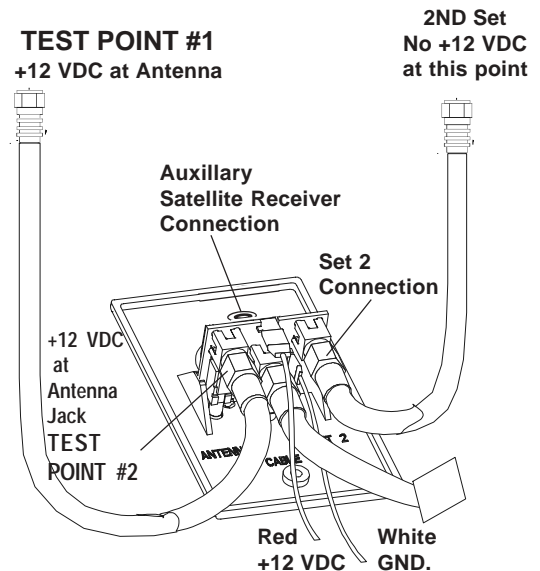
NOTE: Power supplies manufactured after October 1991 have a polyswitch. The polyswitch shuts the power supply off if a short in the cable is detected and will reset itself in approximately two minutes after the short is removed.

6. If +12 VDC is not present at Test Point # 2, check green indicator light. If it is not ON, check the polarity of the red/white wires and +12 VDC source. If there is still no +12 VDC, replace power supply.

HOW YOUR SYSTEM WORKS



TO TEST SYSTEM



CONSUMER TWO YEAR WARRANTY

Winegard Company warrants this Winegard product against any defects in materials or workmanship within **two years** from date of purchase. No warranty claim will be honored unless at the time the claim is made, you present proof of purchase to an authorized Winegard dealer (if unknown, please contact Winegard Company, 3000 Kirkwood Street, Burlington, IA 52601-2000, Telephone 319-754-0600).

Winegard Company (at its option) will either repair or replace the defective product at no charge to you. This warranty covers parts, but does not cover any costs incurred in removal, shipping or reinstallation of the product. This limited warranty does not apply if the product is damaged, deteriorates, malfunctions or fails from: misuse, improper installation, abuse, neglect, accident, tampering, modification of the product as originally manufactured by Winegard, usage not in accordance with product instructions or acts of nature such as damage caused by wind, lightning, ice or corrosive environments such as salt spray and acid rain.

The **two year** warranty is provided on the condition that the equipment is properly delivered with all handling and freight charges prepaid to your Winegard dealer for return to our factory for repair or replacement. Winegard dealers will arrange for the replacement or repair and return to you without charge the product which failed due to defective material or workmanship.

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

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