WINEGARD®

RT-1205 Upgrade Kit

In-Motion Upgrade for RoadTrip™ SD (Stationary)

Tools Needed:
7/16" open end wrench
9/64" Allen wrench
Small flat blade screwdriver
Phillips screw driver
Wire Snips
9/16” wrench and 3/4” wrench or small crescent wrench

IMPORTANT NOTE: To ensure proper in-motion tracking, your RoadTrip must be mounted so that the electronics board is positioned either directly toward the front or directly toward the rear of the vehicle. See mounting options Pg. 2.

1. TURN OFF POWER TO ROADTRIP AND UNPLUG THE RECEIVER.

Removing original electronics control module

2. Remove screws holding dome to base. Remove the dome.

3. Disconnect both the mini-coax cable going to LNBF and the receiver coax cable from the control module. Use a 7/16" wrench if necessary.

4. Disconnect power cable from control module by loosening screws on side of green connector.

5. Disconnect both limit switch cables from the control module. See Fig. 1.

6. Remove screws (2) on top of control module. Remove lid.

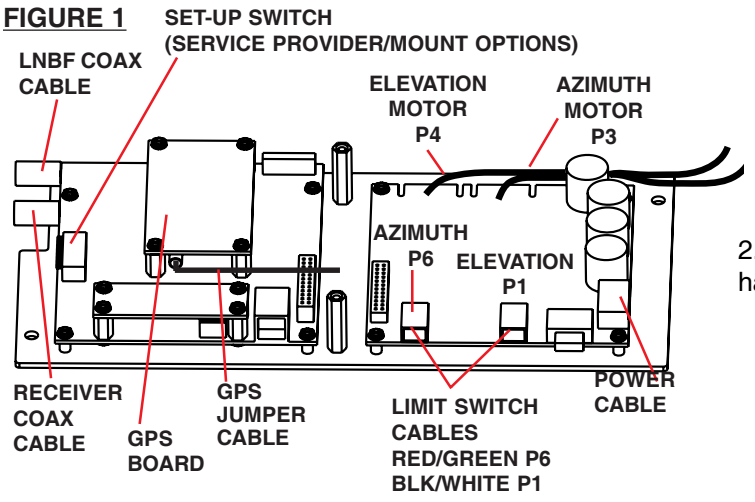
7. Using a 9/64" Allen wrench, remove screws (2) holding the control module to base. Save screws for attaching new module.

8. Remove cables for the elevation motor and azimuth motor from the control module. Pull on connector, not wires, to prevent wires being pulled from connectors. You may want to mark them to avoid confusion later. See Fig. 1.

9. Remove module.

10. Cut five (5) wire ties holding coax cable to base pleats.

FIGURE 1



Replacing electronics control module. Refer to Figure 1.

1. Remove cover on new control module. Connect the cables for elevation motor and azimuth motor to the edge connectors on the bottom most circuit board (PCB). Elevation motor attaches at P4; the azimuth motor at P3. Red stripes on connectors **face down**. See Figure 1.

2. Fasten new control module to base with one screw on each side.

3. Connect LNBF mini-coax cable and receiver coax cable. *Do not use a wrench to tighten!*

4. Plug power cable into the green connector. Tighten screws on sides of connector.

5. Connect the 2 limit-switch connectors as instructed below. These connect with the black connectors on top of the PCB.

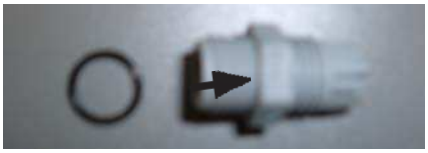
Find the limit switch cable with red and green wires. Connect this to the left most connector on the PCB.

Find the limit switch cable with black and white wires. Connect this to the right most connector on the PCB.

GPS Cable Installation -

1. Unscrew small black plug in base using 9/16” wrench. Save small nut inside of base. Discard black plug.

2. Attach small black O-ring to Heyco connector supplied in hardware bag.

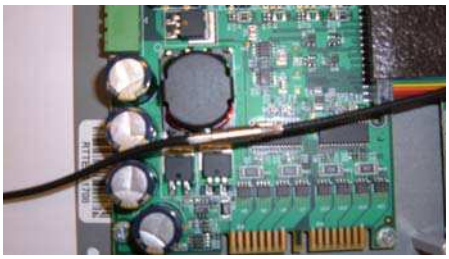


(over)

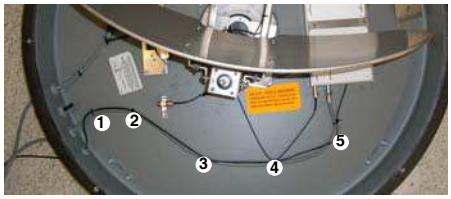
GPS Cable Installation - (con't.)

3. Starting from outside base, thread small end of GPS cable through large nut, Heyco connector, base and small nut as shown. (Small nut saved from Step 1, GPS Installation).

4. Plug GPS cable into black jumper cable. See Figure 1 for location of GPS board. Be sure GPS cable does not interfere with setup switch.



5. Secure coax and GPS cables to base pleats in 5 places with supplied zip ties. Be sure to also secure LNB coax cable at Point 4 as shown below. Snip excess cable tie.



6. Determine the best location to mount the GPS antenna. Clean the area of dirt and grime. Remove adhesive backing from GPS antenna and attach to roof - it MUST be at least 3 feet from base. Excess cable on roof should be secured to prevent wind whipping but loose enough not to stress cable.

7. Push Heyco connector through hole in base and screw small nut (inside base) onto Heyco connector. Using 3/4" wrench, screw large nut onto Heyco connector (outside base) to form a water-tight seal.

Switch information —

8. Use Figure 2 (next column) to determine the switch setting you need, based on the mounting option you have used and your satellite TV programming provider.

9. Fasten lid to control module. Be sure both screws are screwed into the two standoffs.

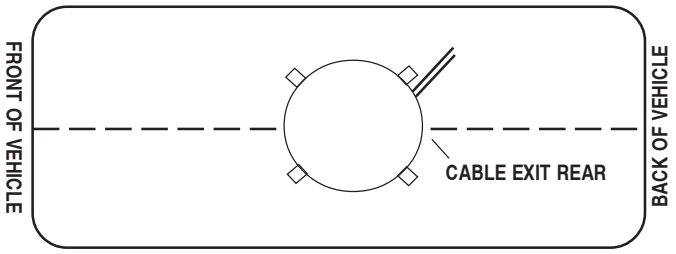
Replacing the dome —

1. Plug in and power on receiver. Power on RoadTrip antenna.Test system to be sure it is working properly.
2. Replace dome using existing screws.
3. Make sure screws holding dome compress the rubber washers for a water-tight seal. **Do not leave screws loose or missing.**

NOTE: Refer to supplied manual for Operating Instructions.

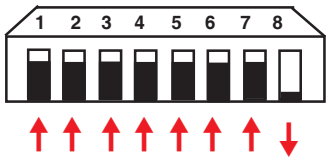
FIGURE 2- Switch Settings

MOUNTING OPTION A



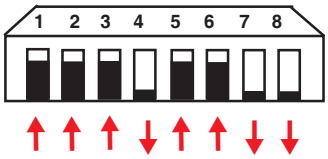
DIRECTV - MOUNT OPTION A

FACTORY PRESET

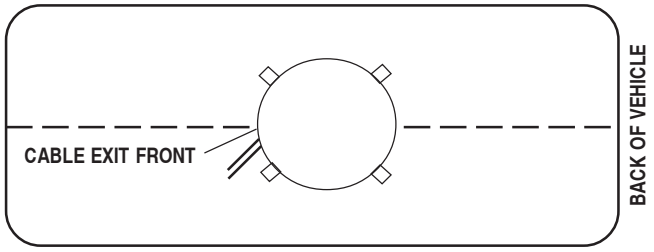


DISH NETWORK - MOUNT OPTION A

CHANGE SETTINGS FOR DISH NETWORK, MOUNT OPTION A: SIMPLY MOVE #4 & #7 TO DOWN POSITION (#8 SHOULD REMAIN DOWN).

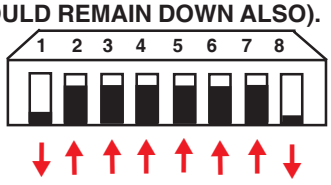


MOUNTING OPTION B



DIRECTV - MOUNT OPTION B

CHANGE SETTINGS FOR DIRECTV MOUNT OPTION B: SIMPLY MOVE #1 TO DOWN POSITION (#8 SHOULD REMAIN DOWN ALSO).



DISH NETWORK - MOUNT OPTION B

CHANGE SETTINGS FOR DISH NETWORK, MOUNT OPTION B: SIMPLY MOVE #1, #4 & #7 TO DOWN POSITION (#8 SHOULD REMAIN DOWN ALSO).