**PLEASE READ INSTRUCTIONS COMPLETELY BEFORE PROCEEDING WITH YOUR UPGRADE**

# Explorer SC2000 Upgrade to Explorer SC2075 (equivalent to the SC7500)

The following instructions describe the procedure of upgrading an Explorer SC2000 (60 cm) satellite system to an Explorer SC2075 (75 cm) satellite system. The Explorer SC2075 is a modified Explorer SC2000 system, which is equivalent to the Explorer SC7500.

In order to upgrade the system to an SC2075, you must remove the SC2000 antenna system and the Explorer EX5000 controller and ship them to Explorer Satellite Systems Inc. where the system will be upgraded to a SC2075 antenna system. The upgraded system will be returned to you for re-installation on the RV.

## REMOVING THE SC2000 ANTENNA SYSTEM

### STEP 1

Remove all connectors from the EX5000 controller. (The (green) 12-pin and 3-pin connectors can be removed from the controller, but DO NOT REMOVE THE WIRES FROM THE CONNECTORS.)

### STEP 2

At the EX5000 controller, remove the tan and brown colored wires from the (green) 12-pin connector. (Note the position of these wires to properly reconnect them. Consult the "Wiring Diagram" in the Owner's Manual if necessary.) Hold the tan and brown wires to the poles of a fully charged 9-volt battery in order to raise the SC2000 antenna arms to the vertical position. (If the antenna arms do not rise, hold the wires to the opposite poles of the battery. **DO NOT RAISE OR LOWER THE ANTENNA MANUALLY. This could damage components in the motor assembly**. When the antenna arms are in the vertical position, remove the wires from the battery to stop the antenna arms from moving. (The raising of the antenna arms to the vertical position should take approximately 10 seconds.)

### STEP 3

Proceed to the roof of the RV to remove the SC2000 antenna.
Remove the bolt, lock-washer, and nut assembly that attach the LNB arm assembly to the dish.
Remove the two (2) bolts and serrated lock nuts that attach the dish to the skew disc.
Remove the LNB arm rest from the RV roof plate.

Return to the EX5000 controller and connect the tan and brown wires to the 9-volt battery (in the reverse position from STEP 2 above) to lower the antenna arms of the SC2000 antenna until the antenna is fully closed then remove the wires from the 9-volt battery. (Should the antenna fail to fully close, there may not be enough battery power and you may need to replace the battery.)

Return to the roof of the RV and remove the six (6) flat head hex socket screws that attach the dish assembly mounting plate to the RV roof plate. (Keep these screws for the installation of the new antenna.) Lift the antenna system off of the RV roof plate and place it on its side next to the roof plate until you disconnect the cables.

Remove the cover from the cable box, and unplug the 12-pin cable and the two (2) coax cable assemblies. Securely replace the cover on the cable box. This will protect the cables until the SC2075 is installed.

### STEP 4

Carefully wrap (bubble wrap or polyurethane wrap) the LNB arm assembly, the EX5000 controller, the LNB arm rest, and the SC2000 antenna system. **DO NOT SHIP THE 60 CM DISH**. Carefully pack all components in a box and ship to Explorer Satellite Systems Inc. at the following address:

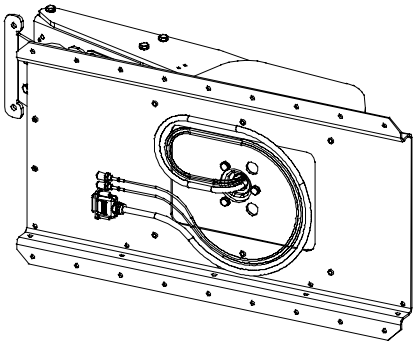
**Explorer Satellite Systems Inc.**
**4115 rue Lavoisier**
**Boisbriand, Québec**
**Canada J7H 1N1**
**PHONE: (514) 227-8425**

Prior to shipping the Explorer SC2000 satellite system for an upgrade, please contact Explorer Satellite Systems Inc. to obtain a confirmation number. A return address and a contact phone number will be required to obtain a confirmation number. The confirmation number will be needed for tracking purposes and service follow-up. **Explorer Satellite Systems Inc. is not responsible for any damage to components during shipping to Explorer Satellite Systems Inc.**

## STEP 5 Installing the new SC2075

Place the antenna assembly next to the RV roof plate as shown.

Remove the cable box cover and plug the 12-pin connector and the two (2) coax connectors into their mating connectors. Position the cables properly in the cable box, as shown, and securely reinstall the cable box cover.



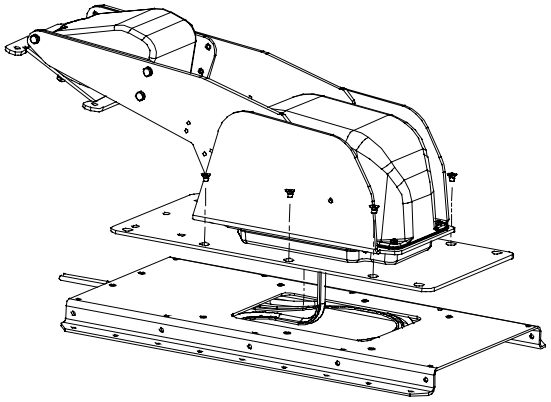
Front of RV at this end

## STEP 6

Note the coiled configuration of the cables shown in the STEP 5 diagram. The cables must be coiled as shown when they are placed under the RV roof plate in order to avoid damage to them when the antenna is rotating.

Place the antenna assembly onto the RV roof plate, ensuring that the cables are properly positioned under the plate.

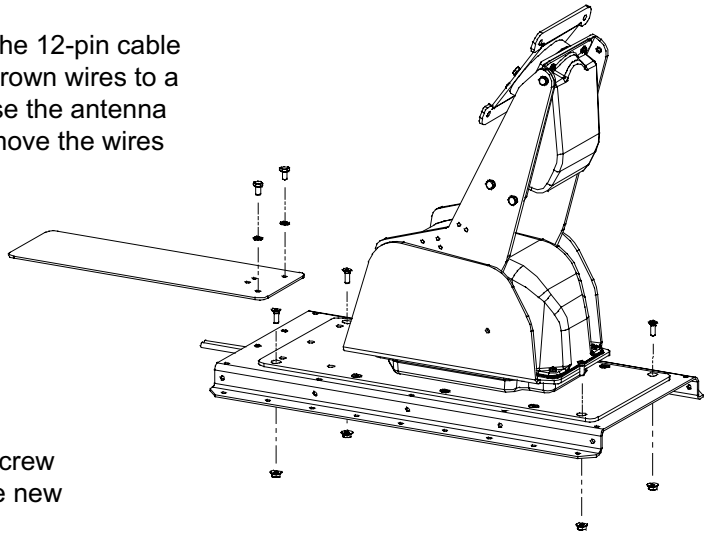
Install the six (6) flat head hex socket screws from the original antenna (SC2000) to secure the antenna assembly to the RV roof plate.



## STEP 7

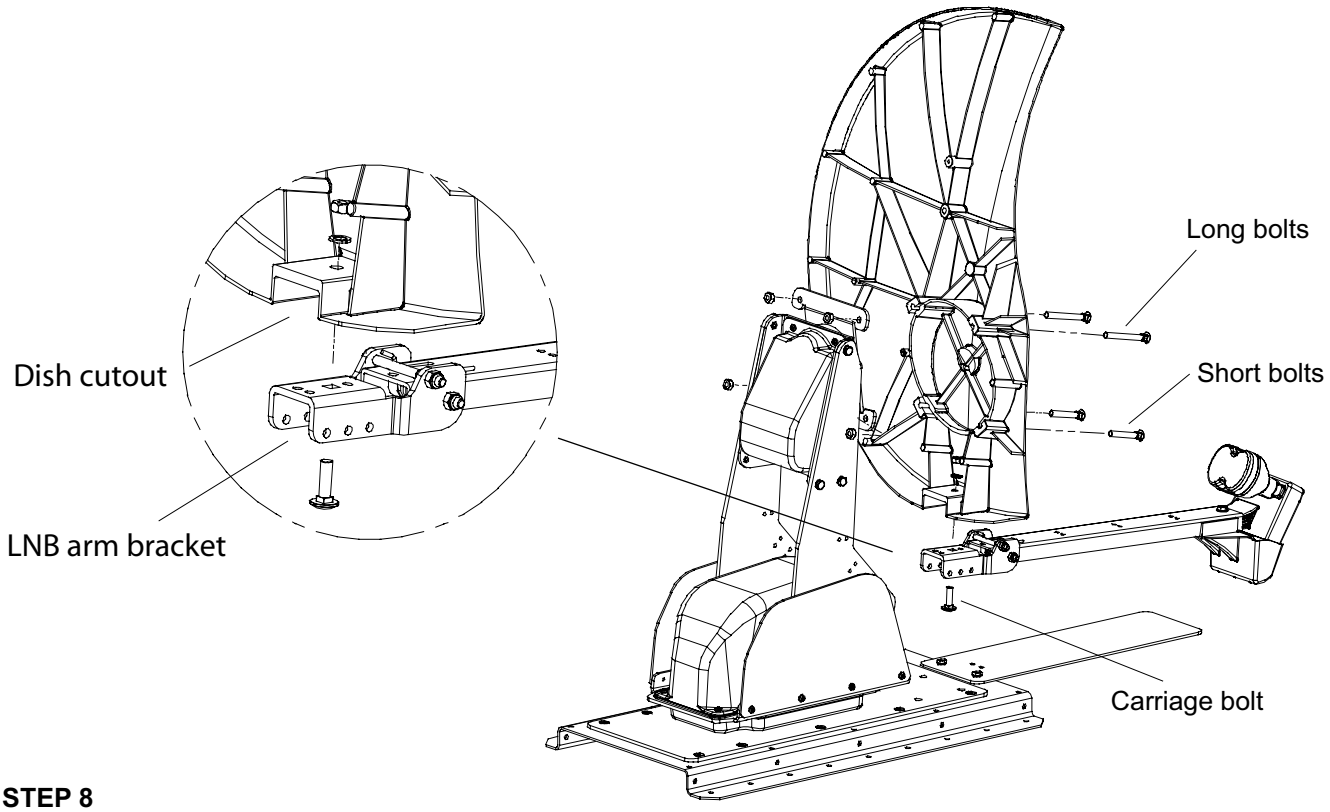
Go to the new EX5001 contoller end of the 12-pin cable inside the RV and connect the tan and brown wires to a fully charged 9-volt battery. This will raise the antenna arms vertically (as shown here) then remove the wires from the battery.

There are four (4) additional holes on the new assembly mounting plate; two (2) at each end. Drill 1/4” diameter holes into the RV roof plate in line with each of the four (4) additional holes in the antenna assembly mounting plate.



Install the four (4) flat head hex socket screw and serrated lock nuts (provided with the new antenna) in the drilled holes.

Install the SC7500 LNB arm rest (provided with the new antenna).




**STEP 8**
Install the new 75 cm dish using the long and short bolts provided, as shown above.

Install the 75 cm LNB arm assembly using the carriage bolt, lock washer and nut provided. Ensure that the LNB arm bracket is fully inserted into the cutout at the bottom of the 75 cm dish. (There should be no gaps between the LNB arm bracket and the cutout in the dish.)

**STEP 9**
At the controller end of the 12-pin cable, connect the tan and brown wires to the 9-volt battery to lower the antenna arms to the fully closed position then remove the wires from the 9-volt battery. (DO NOT LOWER THE ANTENNA MANUALLY. This may damage components in the motor assembly.)

Reconnect the tan and brown wires to the (green) 12-pin cable connector. (Refer to the SC2000/SC7500 "Installation Manual and User Guide", version BW7L, "Wiring Diagram For Dish" section, for the location of the tan and brown wires on the 12-pin connector. The "Installation Manual and User Guide", version BW7L, is available in the "Download" section of our web site at "www.explorerss.com.)

An EX5001 controller has been shipped with your new SC2075 antenna system. Connect all cables and connectors to the back of the controller. (Refer to the SC2000/SC7500 "Installation Manual and User Guide", version BW7L, "All Wiring" for details on cable connection.)

**STEP 10**
Ensure that the Explorer SC2075 antenna system is fully closed, in line with the roof plate, and that the LNB is on the LNB arm rest.

Turn on the EX5001 controller, wait for the message "Select search mode", press the "Menu" button on the Explorer remote, press the numbers 7, 8, 9 in sequence, which brings you to the "set up" menu. Scroll to "Calibrate antenna" and press "Enter". The antenna system will now self-calibrate. This will take approximately three (3) minutes. Upon completion, the counts for skew, elevation and azimuth will be displayed. (**You must write these values down in your manual for future reference**.) Turn off the EX5001 controller to. reset the system. Your SC2075 antenna system is now ready for use. (Refer to the "Installation Manual and User Guide", version BW7L, "Quick Guide" on how to use your system. There is also a "Programming your Remote" and "Troubleshooting" section at the end of the Manual should you have any problems with your system.)