

TracVision A9 Antenna

Reshipping Instructions



Technical Support

If you need technical assistance, please contact KVH Technical Support:

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(Mon.-Fri., 9 am-6 pm; Sat., 9 am-2 pm ET, -5 GMT)

The following pages explain how to prepare a TracVision® A9 antenna for reshipping.

Important!

Be sure to install the tie-wrap shipping restraints and pack the antenna in its original packaging, as explained in these instructions, to ensure a safe shipment. Without the restraints, the antenna **will** become damaged. **Shipping damage will not be covered under KVH's warranty policy.**

Figure 1: A9 Antenna



Tools Required

This procedure requires the following tools:

- Phillips screwdrivers
- #2 Phillips torque screwdriver set to 21 in.-lbs
- 1/4" driver
- 1/4" hex bit, if necessary
- 5/32" torque hex driver set to 21 in-lbs

Step 1 - Remove the Mounting Brackets

- a. Power off and disconnect power from the TV-Hub to remove power from the antenna.



CAUTION

To prevent injury, be sure to disconnect all power from the antenna before proceeding. Power must remain disconnected for the duration of this procedure.

- b. Disconnect the RF cable from the antenna.
- c. Remove the antenna from the vehicle and bring it to a workbench suitable for service.

- d. Disconnect the four mounting brackets from the antenna by removing the two 1/4"-20 x 3/4" hex socket screws at each mounting bracket (see Figure 2). Save the mounting brackets and hardware for later.

NOTE: The factory-installed bolts, in the base of the antenna between the bracket holes, do not need to be removed.

Important!

Always lift the antenna by the baseplate and never by the radome or any portion of the internal antenna assembly.

Step 2 - Remove the Trim Ring and Radome

- a. Remove the sixteen #8-32 screws securing the trim ring (see Figure 3). Carefully lift the trim ring straight up until clear of the antenna assembly and set it aside in a safe place.
- b. Remove the four 1/4"-20 screws and washers securing the radome to the baseplate (see Figure 3). Set the radome aside with the trim ring.

Step 3 - Attach the Shipping Restraints

Attach the six tie-wraps (*supplied in kit*) in the key locations shown in Figure 4 and in detailed photos on the following page (*the photos show the original factory-installed wire restraints*).

Important!

Rotate the antenna assembly by hand to line up the holes in the assembly with the holes in the base (see Figure 4).

Insert the tie-wraps from below, through the appropriate holes in the antenna's base, so that the tie-wraps' buckles will rest on the bottom of the antenna. Be sure to pass the tie-wraps underneath any cables, to prevent the tie-wraps and cables from being pinched.

Figure 2: Removing the Mounting Brackets

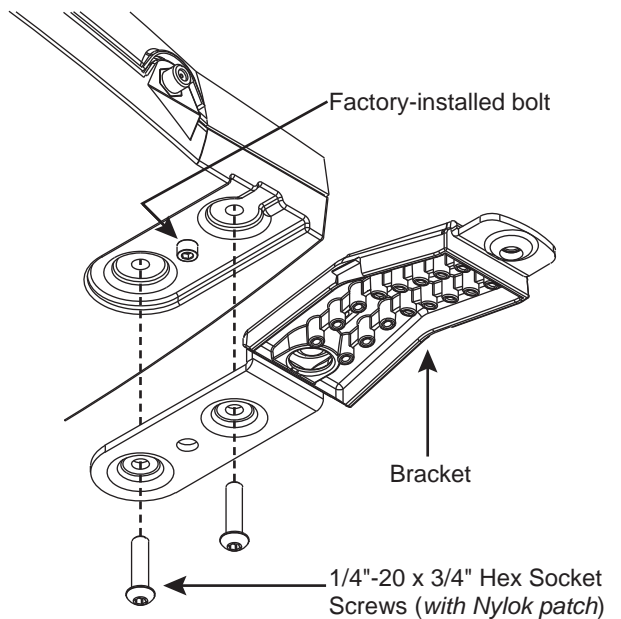


Figure 3: Removing the Trim Ring and Radome

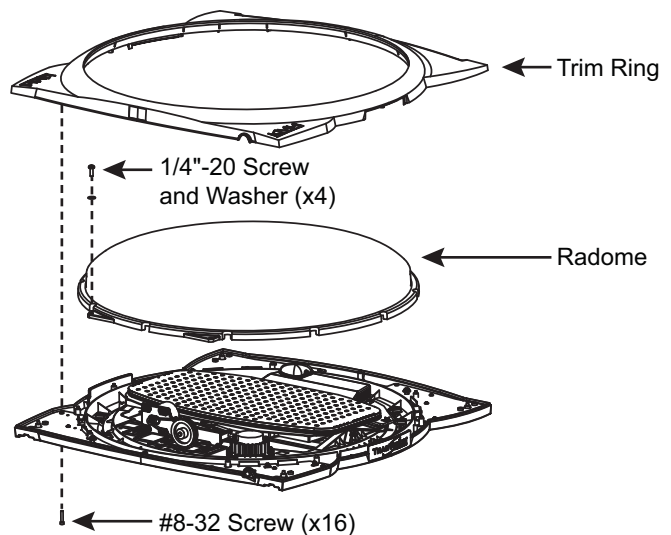


Figure 4: Shipping Restraint Locations

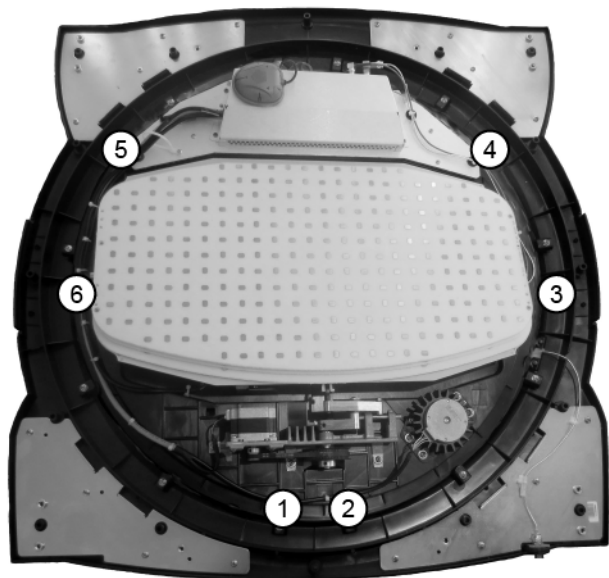


Figure 5: Shipping Restraints #1 and #2

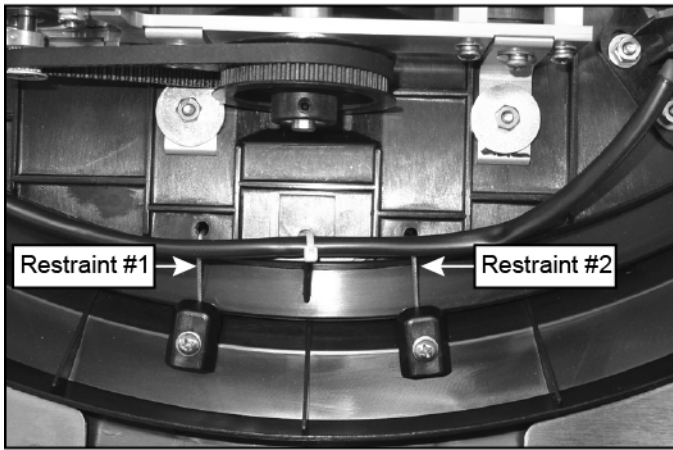


Figure 6: Shipping Restraint #3

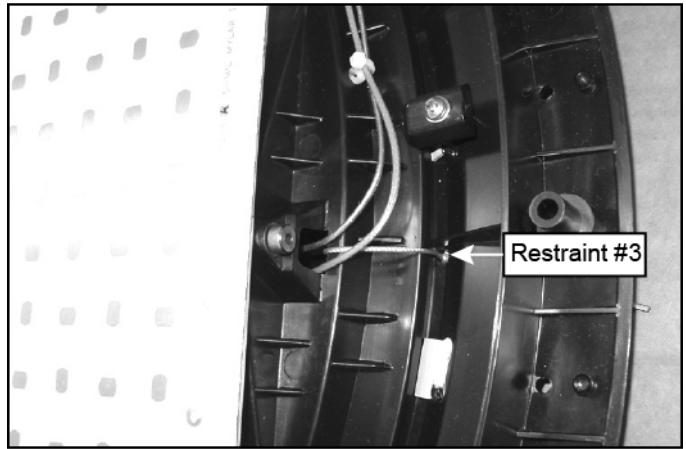


Figure 7: Shipping Restraint #4

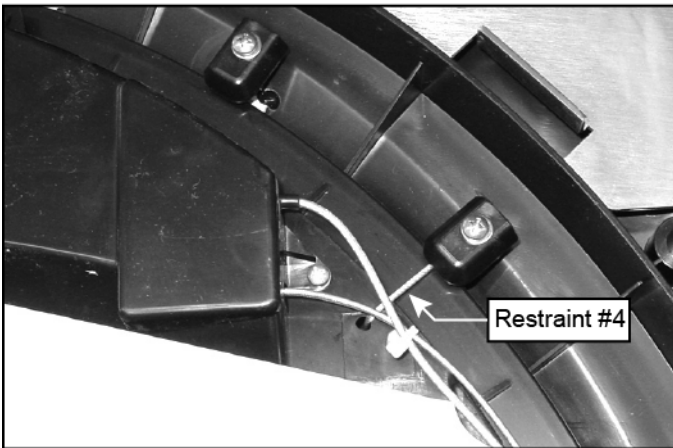


Figure 8: Shipping Restraint #5

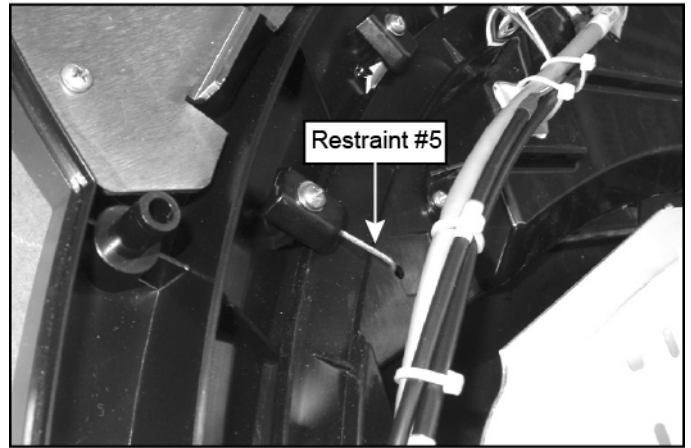
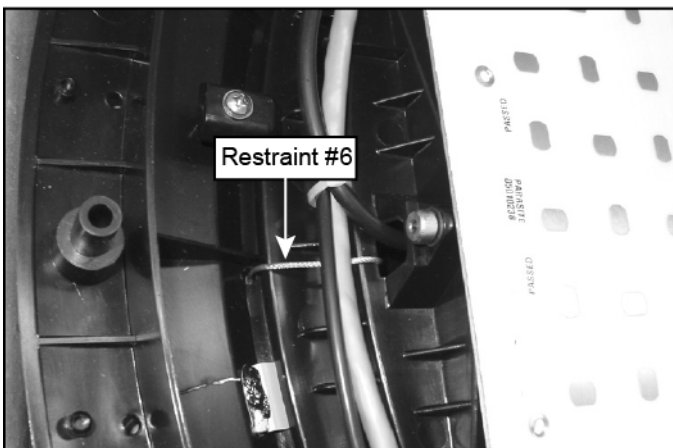


Figure 9: Shipping Restraint #6



Step 4 - Reattach the Radome and Trim Ring

- Inspect the inside of the antenna to make sure you have not left any tools or debris inside.
- Reinstall the radome onto the antenna, securing it with the four 1/4"-20 screws and washers you removed earlier. Then tighten the screws to 21 in.-lbs of torque (see Figure 10).
- Reinstall the trim ring with the sixteen #8-32 screws you removed earlier. Then tighten the screws to 21 in.-lbs of torque (see Figure 10).

Step 5 - Pack the Antenna

Pack the antenna in its original shipping box using the original packaging materials (*if you don't have the original box, please request one from KVH Technical Support*). The "FWD" indicator on all four corner inserts should point in the same direction, toward the forward end of the antenna, opposite the cable connector.

The antenna is now ready for shipping!

Figure 10: Reattach the Trim Ring and Radome

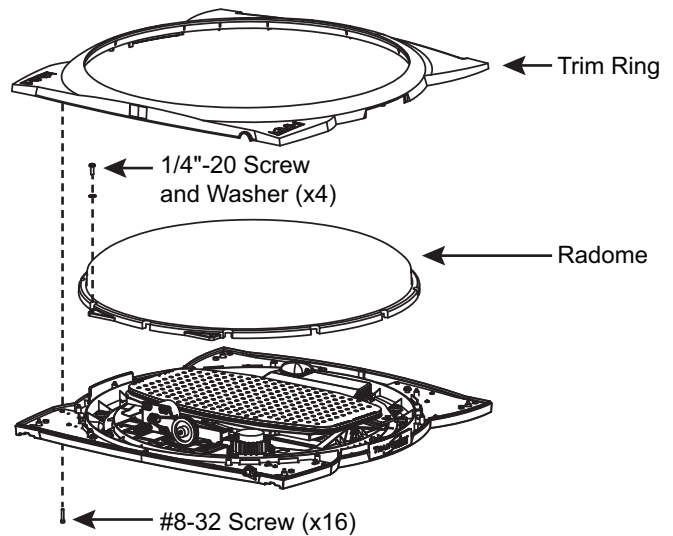


Figure 11: Forward Indicators Pointing Away From Cable Connector

