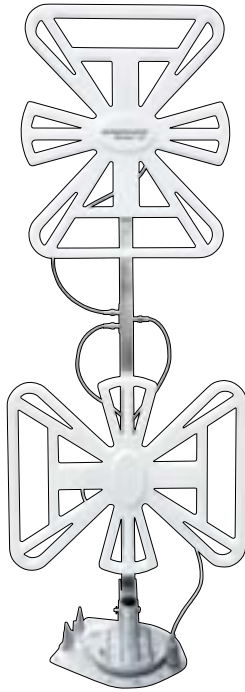


# **WINEGARD®**

## **Sensar™ HV**

### **Model CC-25HV**

### **Antenna Retrofit Kit**



#### **Coast to Coast RV Services**

20 George Young Street, Auburn NSW 2144

Postal Address: PO Box 415, Regents Park NSW 2143

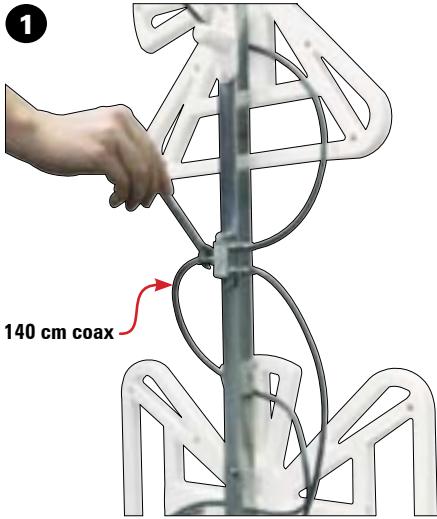
Phone: 02 9645 7600

Fax: 02 9645 7688

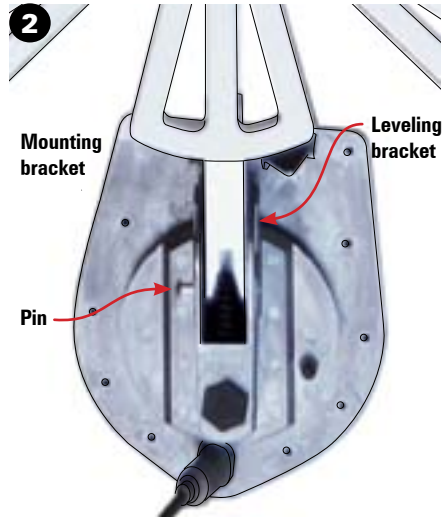
**Email Technical:** [technical@coastrv.com.au](mailto:technical@coastrv.com.au)

**Email Warranty:** [warranty@coastrv.com.au](mailto:warranty@coastrv.com.au)

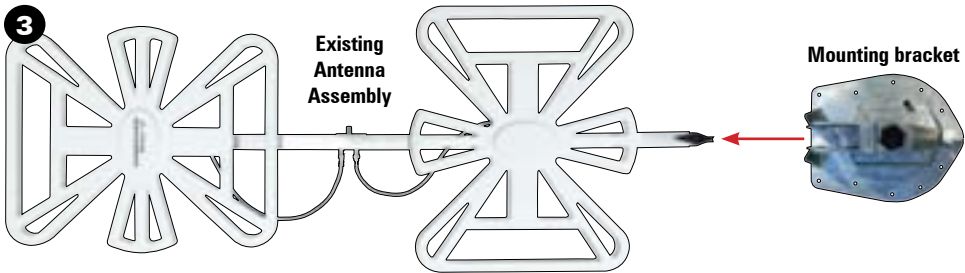
# Replacing a Winegard Sensor HV Antenna with the Sensor HV Retrofit Kit



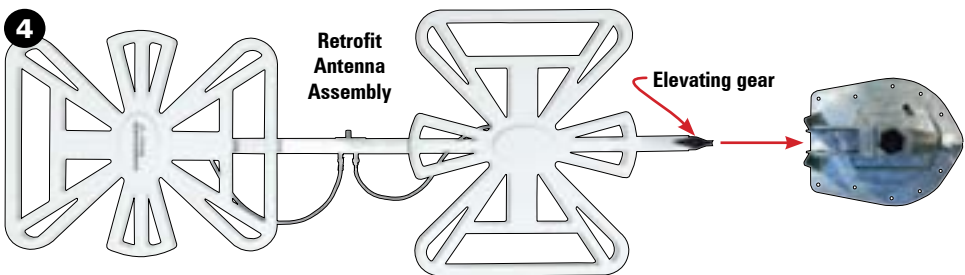
Using a wrench, loosen and remove the 140 cm coax from the coax connection port shown here.



Pull the e-clip off of the pin, and remove the pin from the leveling bracket.



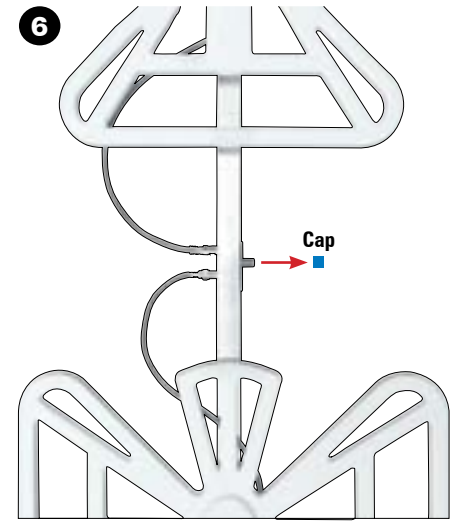
Remove the existing antenna assembly from the mounting bracket.



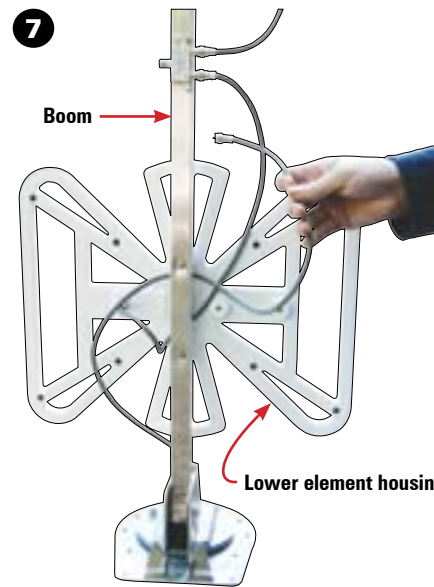
Using the retrofit antenna assembly, insert the elevating gear in-between the sides of the leveling bracket. The elements should be on top of the boom. The holes in the sides of the leveling bracket and in the elevating gear should align.



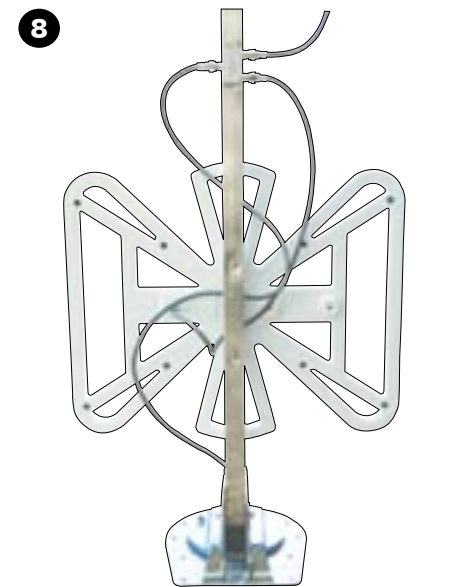
Insert the pin through the leveling bracket and the elevating gear. Push the e-clip over the end of the pin.



Remove the cap from the coax connection port.



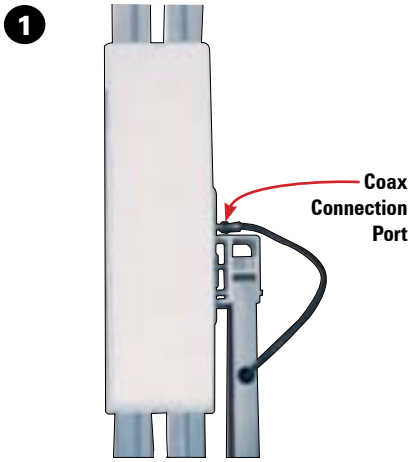
Thread the 140 cm coax between the boom and the center of the lower element housing. Continue to thread the coax in an S-curve between the boom and the center of the lower element housing.



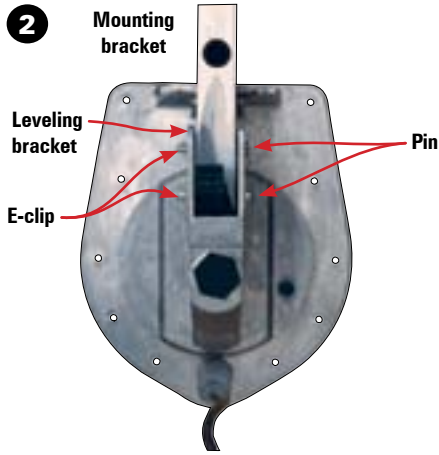
Connect the coax to the coax connection port, and tighten until fingertight. Then, tighten 1/4 turn more.

**NOTE** Make sure that the other end of the 140 cm coax leads to the wall plate/power supply.

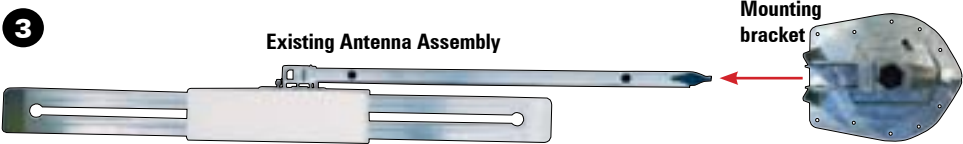
# Replacing a Winegard Sensor Antenna with the Sensor HV Retrofit Kit



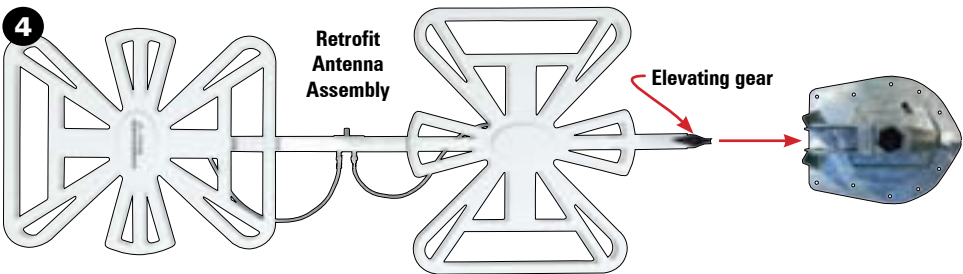
Using a wrench, loosen and remove the coax cable from the coax connection port shown here. Cut the connector off the end of the cable, and pull the cable out of the Sensor antenna. Due to variations in connector types and cable sizes, a coax connector is not included.



Pull the e-clips off of the pins, and remove the two pins from the leveling bracket.



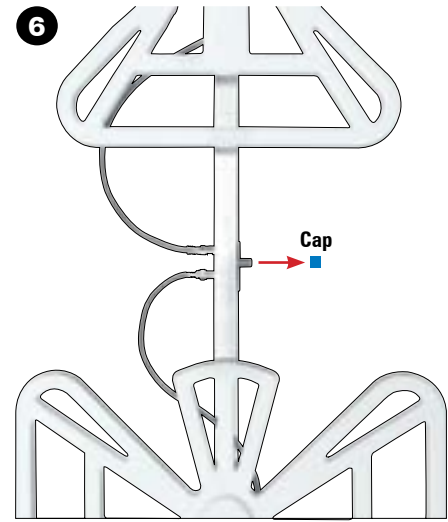
Remove the existing Sensor antenna assembly from the mounting bracket.



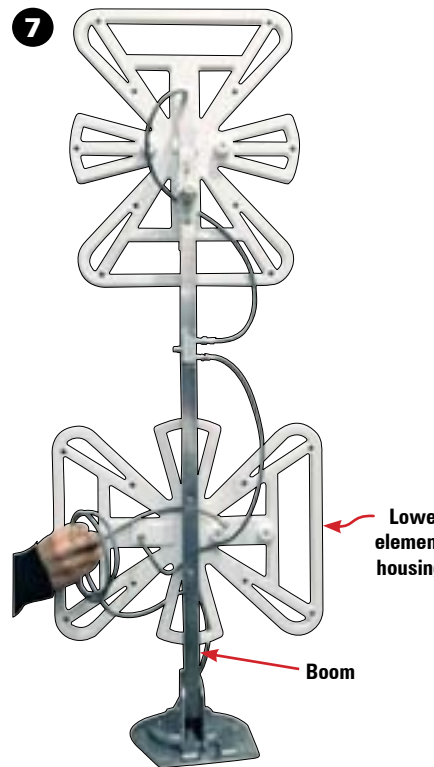
Using the retrofit antenna assembly, insert the elevating gear in-between the sides of the leveling bracket. The elements should be on top of the boom. The holes in the sides of the leveling bracket and in the elevating gear should align.



Insert the pin through the leveling bracket and the elevating gear. Push the e-clip over the end of the pin.



Remove the cap from the coax connection port. Now, install a connector on the end of the coax cable. Refer to the next page for help.

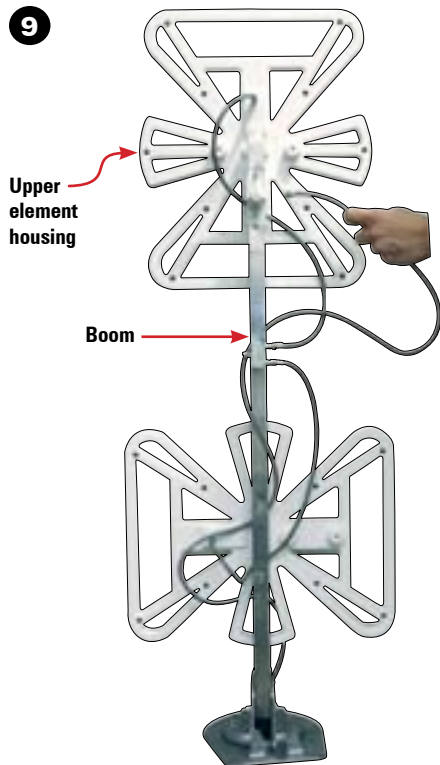


Thread the existing coax cable between the boom and the center of the lower element housing.



Continue to thread the coax in an S-curve. Thread the coax over and then under the boom.

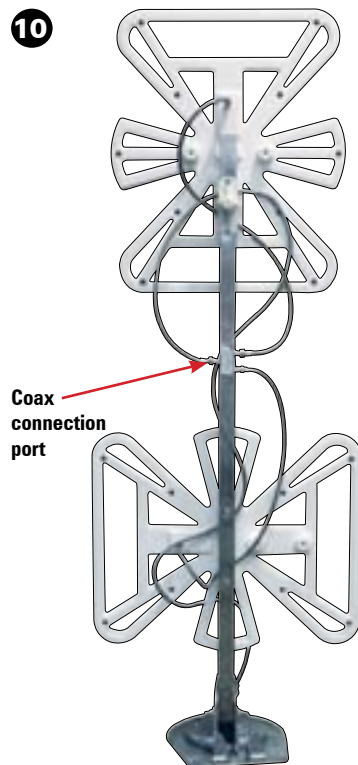
9



Thread the existing coax cable between the boom and the center of the upper element housing.

**NOTE** Make sure that the other end of the coax cable leads to the wall plate/ power supply.

10



Connect the coax to the coax connection port, and tighten until fingertight. Then, tighten  $\frac{1}{4}$  turn more.

## Installing Connector on Coax Cable

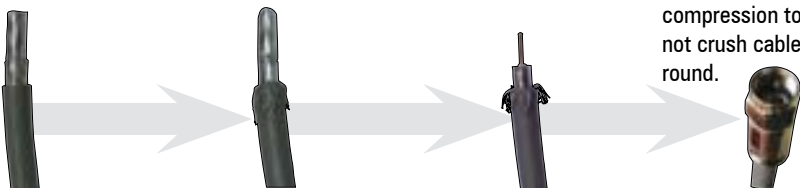
Strip outer cover back 12 mm from end of cable.

Fray braid back as far as outer cover will allow.

Trim braid close to outer cover, and remove 6 mm of inner insulation, being careful not to nick the center conductor. Make sure no foil or braid can touch center conductor.

Slide connector tip between braid and inner insulation (braid and foil, on foil shield cable). Push connector on cable as far as it will go. Attach cable with proper crimping or compression tool. Do not crush cable out-of-round.

**TIP** If installing in hot weather, increase these dimensions 3 mm.



## Operation

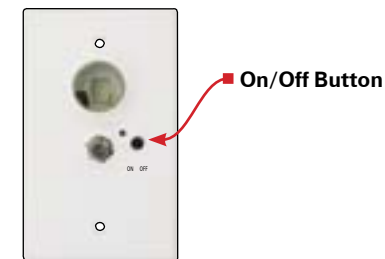
### 1 Raising Antenna

Turn the elevating crank clockwise in "UP" direction about 13 turns or until some resistance to turning is noted.



### 2 Turning on Power Supply

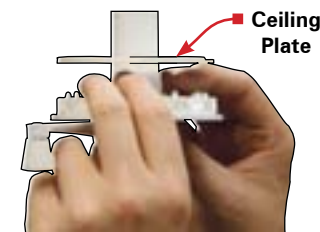
Turn power supply on to use either front or rear output of the TV outlet. Neither outlet will work unless the power supply switch is on.



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

### 3 Rotating Antenna for Best Picture

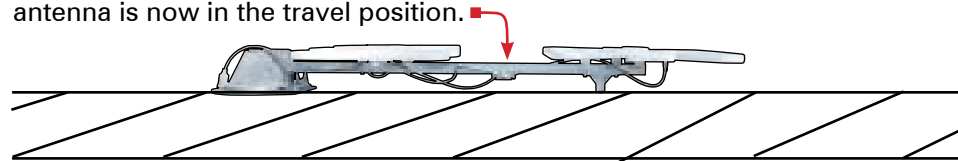
Make sure the antenna is in the "UP"/ deployed position. Pull down with both hands to disengage ceiling plate. **For analog signals, rotate for best picture. For digital signals, run a channel scan to find the best signal.**



**NOTE** Antenna reception may vary based on transmitting antenna tower height, lobe pattern of the transmitter, height of the receiving antenna, weather conditions and terrain on receiving path including trees, buildings and hills.

### 4 Lowering Antenna to Travel Position

Rotate the antenna until the pointer on the directional handle aligns with the pointer on the ceiling plate. Turn elevating crank counterclockwise in the "DOWN" direction about 13 turns or until some resistance is noted. The antenna is now in the travel position.



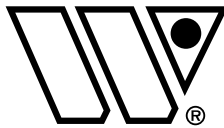
Lower the antenna to the travel position before traveling!

## Do

- 1 Check parking location for obstructions before raising the antenna.
- 2 Carefully raise, lower, and rotate the antenna. If having trouble, check for obstructions.
- 3 Rotate slowly when selecting a station, and check the fine-tuning on the TV.
- 4 Lower the antenna to the travel position before moving the vehicle.

## Don't

- 1 Don't force the elevating crank up or down or rotate the directional handle hard against stops.
- 2 **Don't travel with the antenna in the up/deployed position. Stow the antenna before traveling or when wind speeds reach +113 km/h.**
- 3 Don't leave the antenna partially deployed.
- 4 Don't apply sealant over the top of the base plate.



# WINEGARD

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