



# Skew Motor/Reed Sensor Replacement Instructions

## Before you begin:

Elevate your antenna to a straight up position.  
Rotate the antenna base away from the stow position to move the flipper away from the stop stud.

### **-Elevating your Antenna-**

To elevate your antenna, turn on the controller on by pushing the **RED** power button. Push the **RED** button again to get to **Menu** options. From the **Menu** on your controller: push the **GREEN** button **2** times. This is Option # 3 MOVE ELEVATION. Now push the **RED** power button **1** time. Then press and hold the **GREEN** button until the antenna completely raises into full upright position as shown in the picture on the right.



### **-Rotating Antenna Base-**

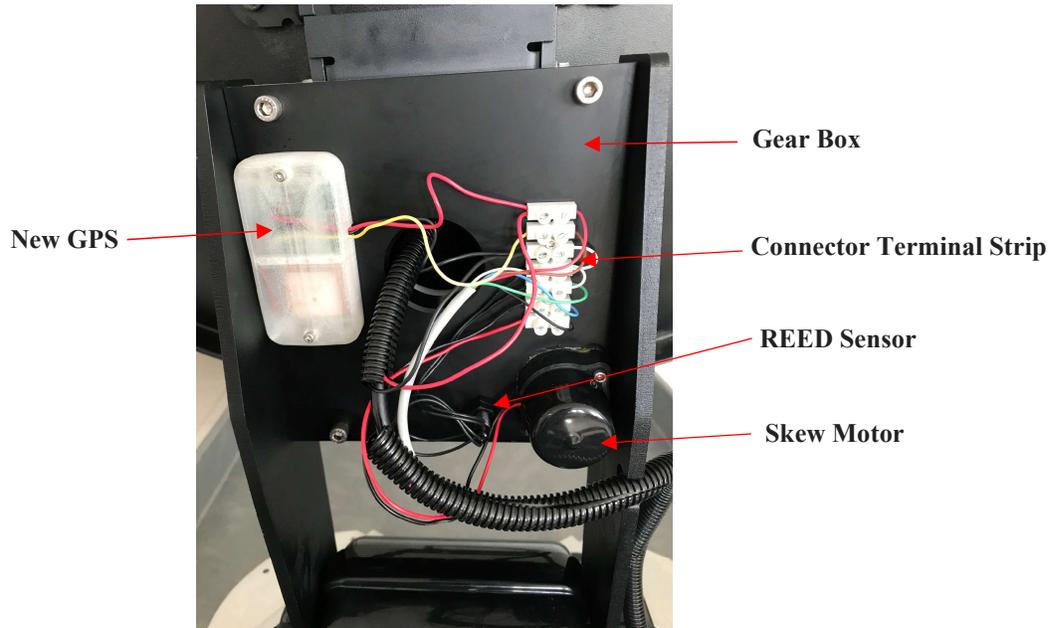
Using your controller follow these instructions to rotate the antenna base: Turn the controller on by pushing **RED** power button. From the Menu page push the **GREEN** button once. This is Option # 2 MOVE AZIMUTH. Now press the **RED** button once, then press the **GREEN** button for **3 seconds**. Now your flipper should be moved away from the stop stud.



Now remove the **Skew Cover** (behind the reflector) at the top of the skew assembly box, remove the 2 Phillip screws. The bottom of the SKEW COVER slides over two bolts on the bottom – they do not need to be removed. You are now able to see the GPS, Skew Motor, Reed Sensor and the Connector Terminal strip.



Old GPS



## FLANGE MOUNT SKEW MOTOR REPLACEMENT INSTRUCTIONS

*Note: Antenna Systems 2018 and later*

1. Remove the RED and BLACK wires from the WHITE TERMINAL strip (NOTE where the RED and BLACK are connected as this can vary mount to mount)
2. Use a 3/32" Allen head to loosen the skew motor mount bolts – remove the SKEW MOTOR.
3. Make sure there is sufficient grease on the motor mount flange to gear box surface to prevent water intrusion.
4. Mount the new skew motor and tighten down the 3/32" skew motor mount bolts
5. Insert the RED and BLACK wires same as the old motor wires were connected to the WHITE TERMINAL strip and tighten the screw. Tug on the wire to insure proper connection/contact.

## REED SENSOR REPLACEMENT INSTRUCTIONS

1. Remove the two BLACK wires from the WHITE CONNECTOR TERMINAL Strip using a small flat head screwdriver. Unscrew the REED Sensor from the Gear Housing.
2. Back the two nuts off enough so that REED Sensor can be screwed into housing until it bottoms out – back the REED Sensor out  $\frac{3}{4}$  of a turn and tighten the two nuts down to prevent from loosening.
3. Screw the black wires back into the WHITE CONNECTOR TERMINAL – the order does not matter.
4. Reassemble the Skew Cover.