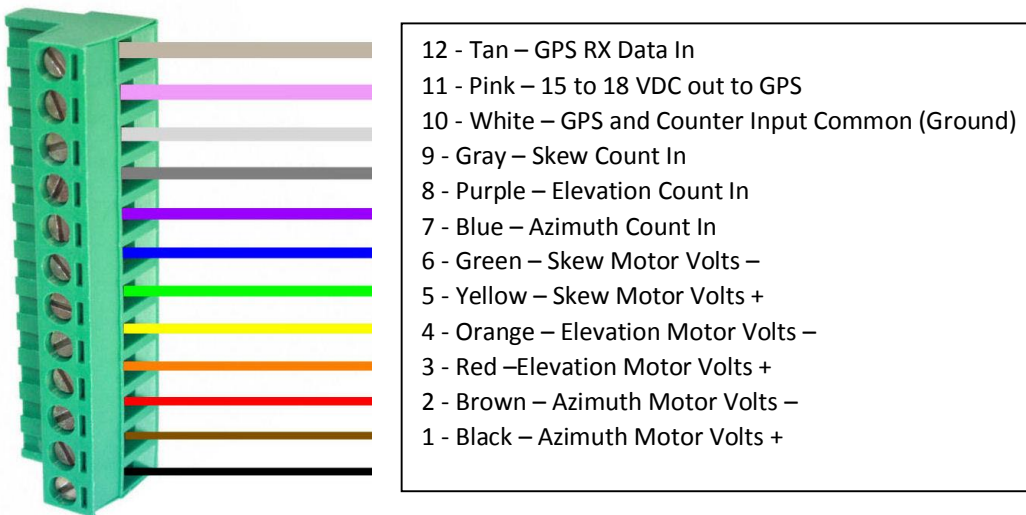


84CM GPS Diagnostics and Repair

Inside the RV

- 1> Check the 12 Position Green Terminal Connector is snapped in securely to the ACU-1 Antenna Controller. Both sides!
 - a> The right end of connector last 3 wires are for the GPS
 - b> Check the White (10), Pink (11), and Tan (12) wires are stripped and secured in the Green connector.
- 2> With a voltmeter check for 15 to 18 VDC between positions 10 (white) and 11 (pink).



On the Roof of the RV

What we are focused on is the GPS module located on the back of the antenna which is installed under the Skew Cover on the Dish Mount located on the customer's roof.

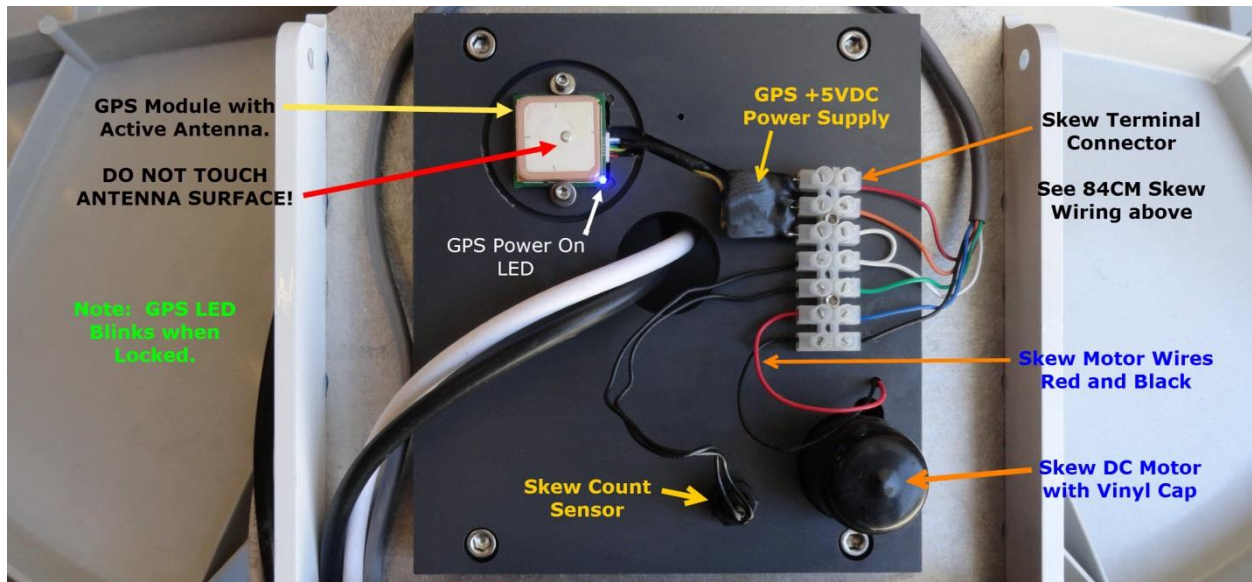
This will be easier if the customer will stow the Dish.

Under Skew Cover (back side of dish) see below

- 1> Is power LED (blue) lit or blinking?
- 2> Is small white connector on right side of GPS module fully connected?
- 3> Are the 3 leads of the GPS +5VDC module secured with terminal screws tightened
- 4> Check Red, Orange, and White wires are stripped and secured in terminal connector.
- 5> With a voltmeter check for 15 to 18 VDC between positions 5 (white) and 7 (red).

- **If all wiring and voltages are correct replace the GPS Module and GPS Power Supply.**
- **Replace ACU-1 Controller if all remedies fail to repair GPS issue.**

Under the Skew Cover



Under Service Cover (back lower cover) see below

- 1> Check connections 8, 9, and 10 on Main ODU Terminal Connector. Both Sides
 - a> GPS TXD Tan to Orange or Brown
 - b> GPS 12 VDC Pink to Red
 - c> GPS (system common) White to White

Under the Skew Cover

