

WINEGARD®

Trouble Shooting for AS-2003 Satellite Antenna



This trouble-shooting guide will help you solve problems with Model AS-2003 satellite antenna. If, after following these steps, you need further assistance, call Winegard Technical Services at 1-800-788-4417.

I. Will not turn on

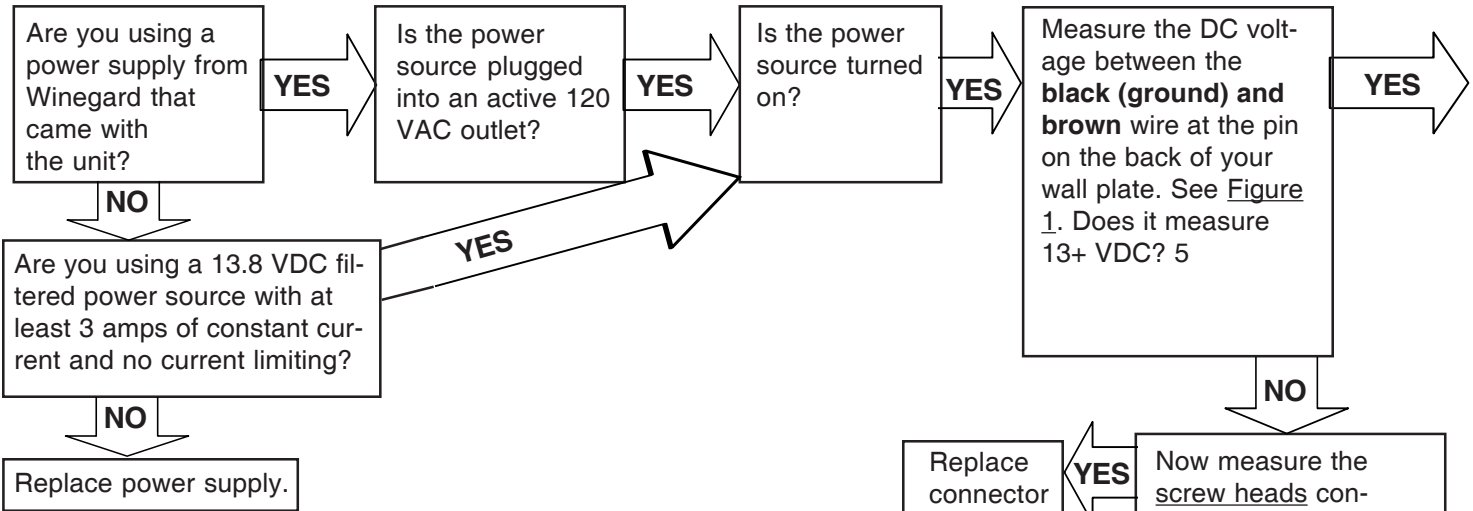
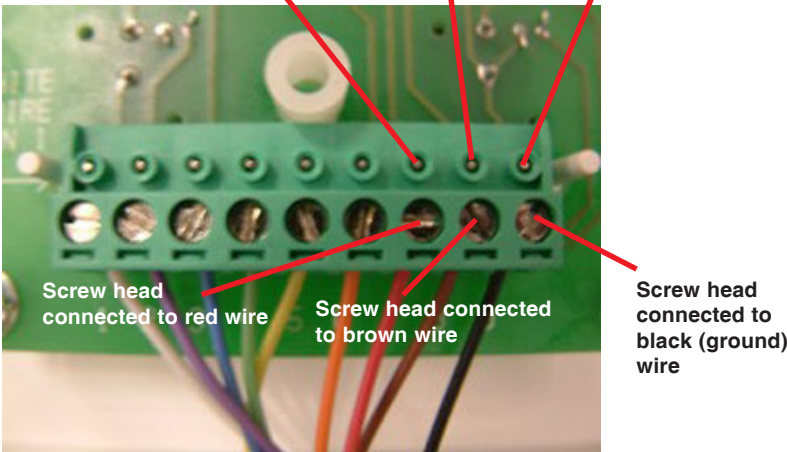
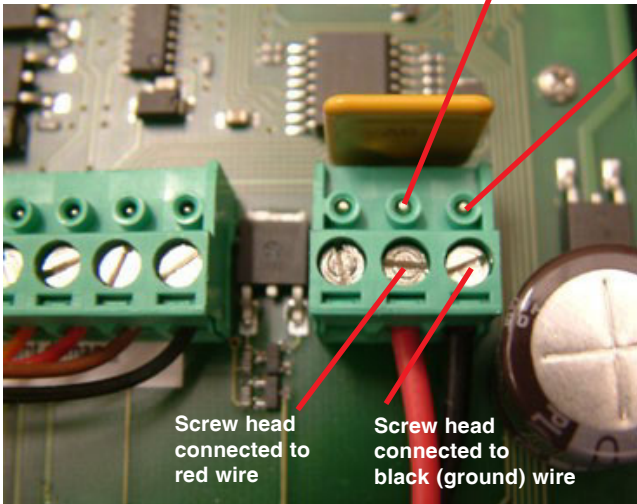


Figure 1 Pin connected to red wire Pin connected to brown wire Pin connected to black (ground) wire



Control panel inside RV

Figure 2 Electronics box on RV roof Pin connected to red wire Pin connected to black (ground) wire



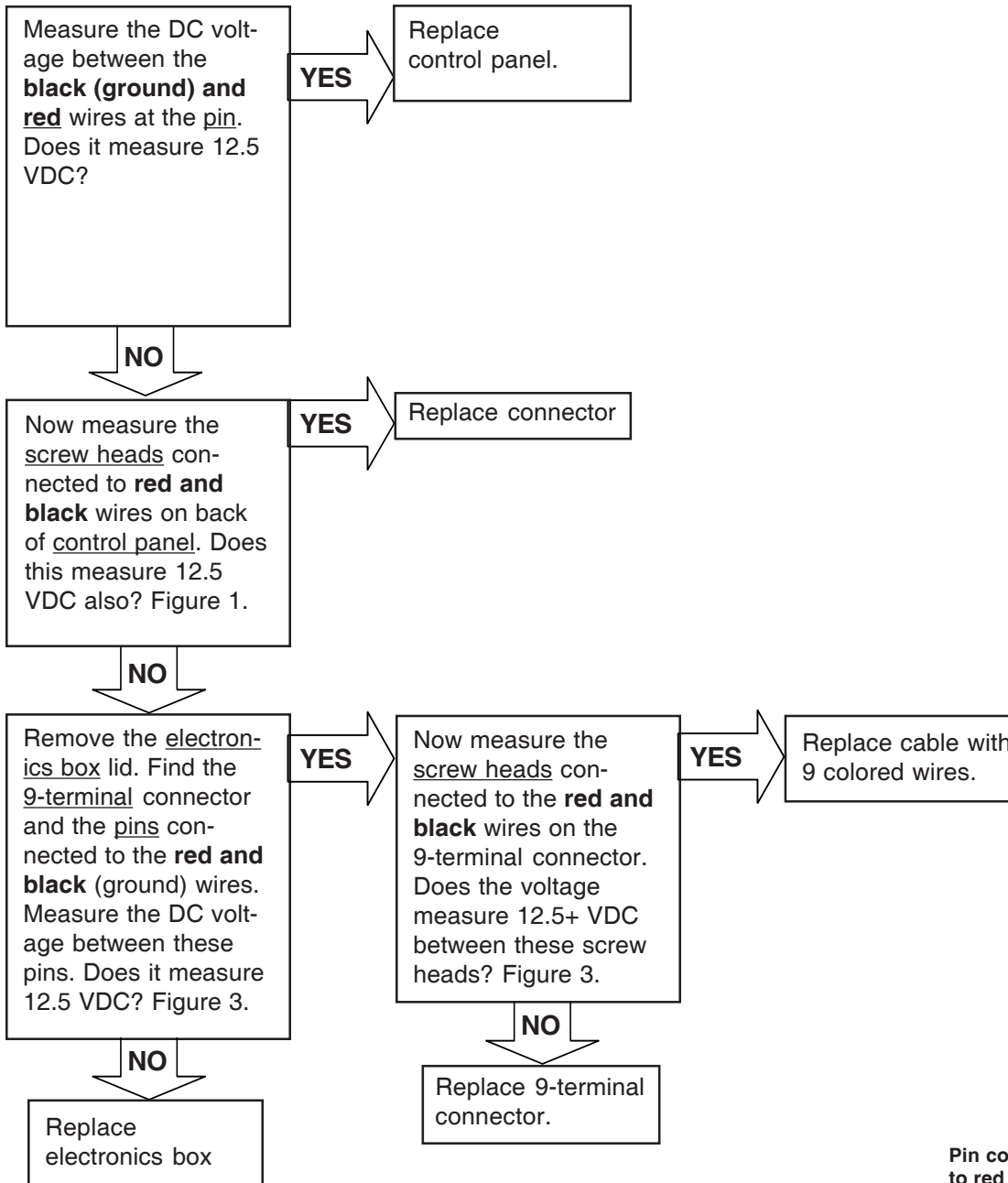
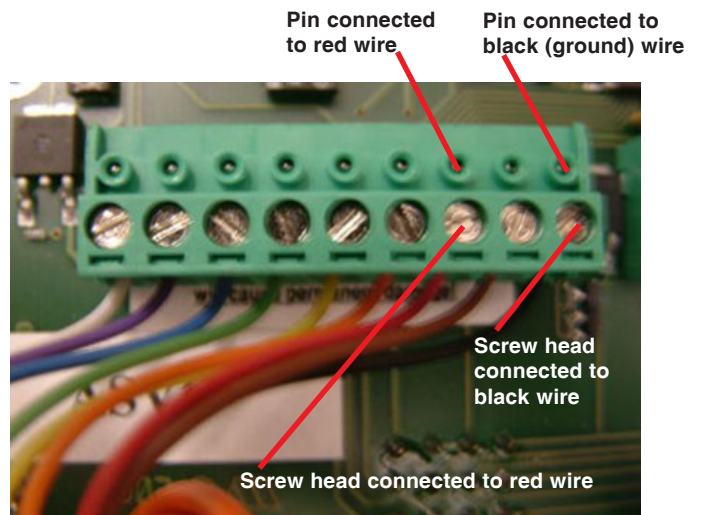


Figure 3



Electronics box on roof

II. On, Park, Search & Off LEDs are on (No LNB power)

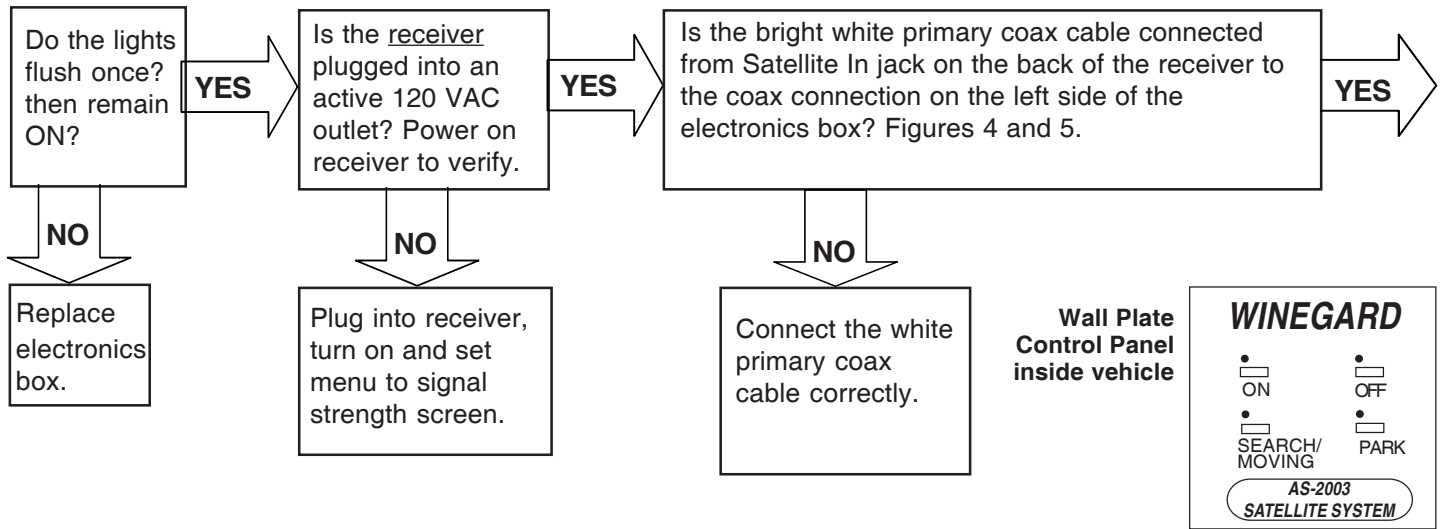
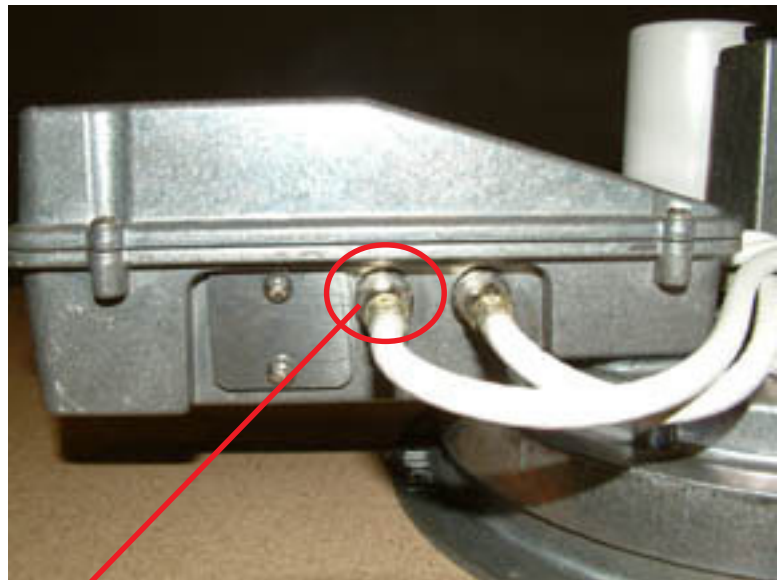


Figure 4



Figure 5



Coax cable connects from electronics box to receiver.

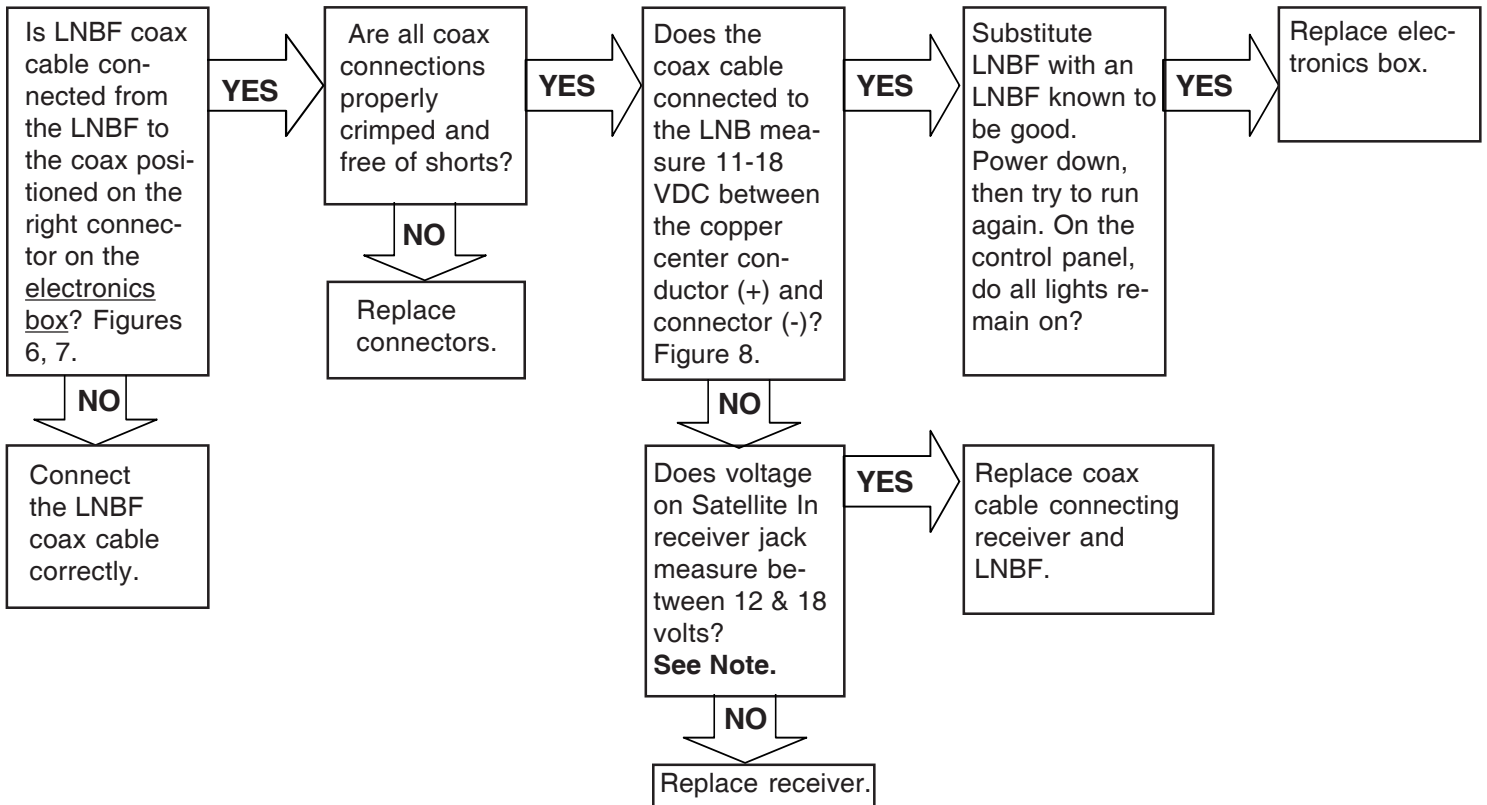
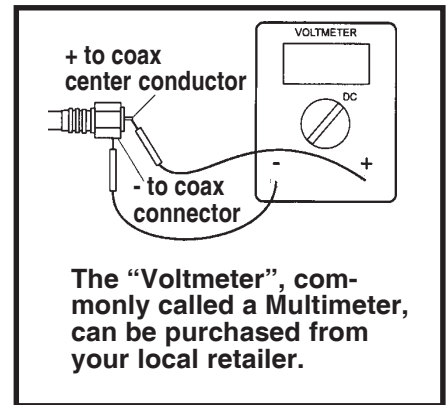


Figure 6

Figure 7

Figure 8



Connects from LNBF to electronic box

NOTE
Do not try to insert the test meter probes into the coax cable connectors. This will cause permanent damage to the connectors. Use a short piece of coax with a connector on one end, or Winegard's TE-1400 voltage tester (available from your Winegard Distributor).

III. Does not initiate Search routine

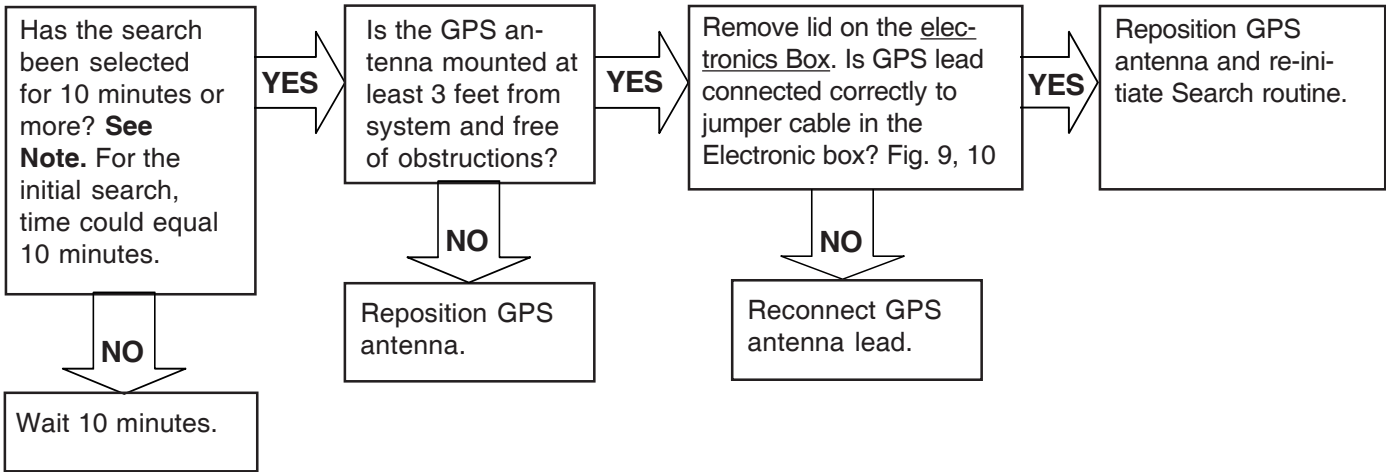
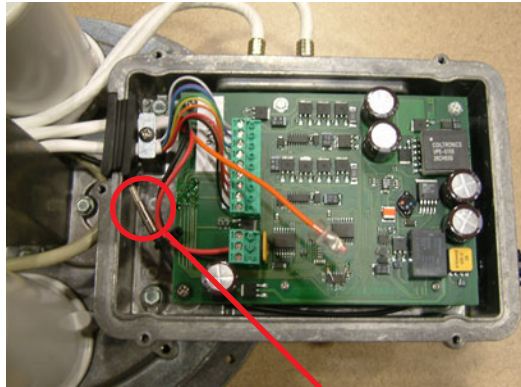


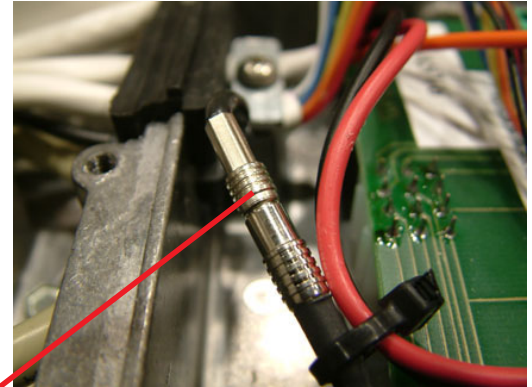
Figure 9

Figure 10

NOTE: If the vehicle has gone 600 or more miles since the last use of the AS-2003, GPS acquisition may take longer. Also, obstructions (buildings, trees, hills, etc.) will delay acquisition time.



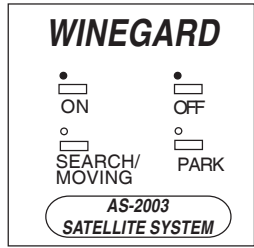
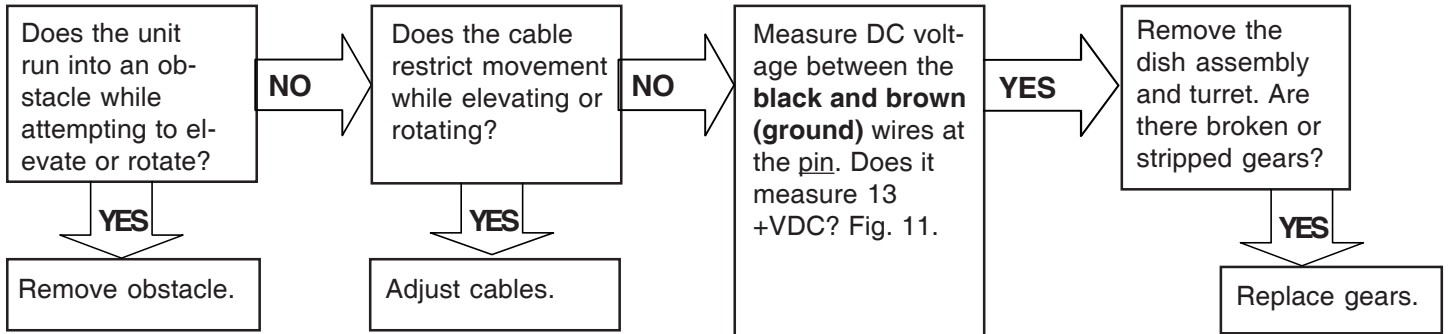
Electronics box on RV roof



Electronics box on RV roof

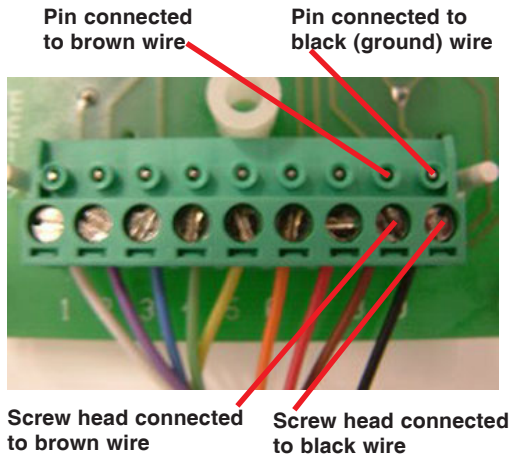
GPS antenna lead

IV. On and Off LEDs are on (Motor stall error)

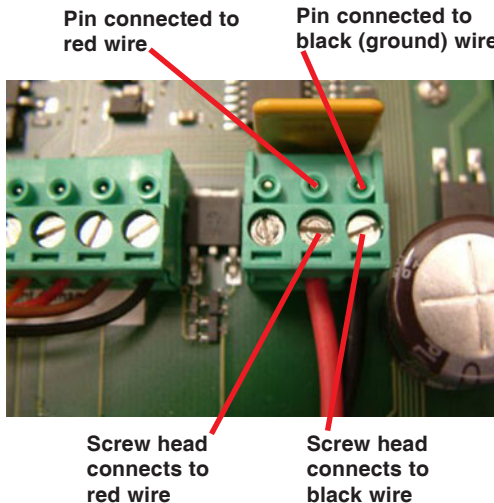


Wall Plate Control Panel inside vehicle

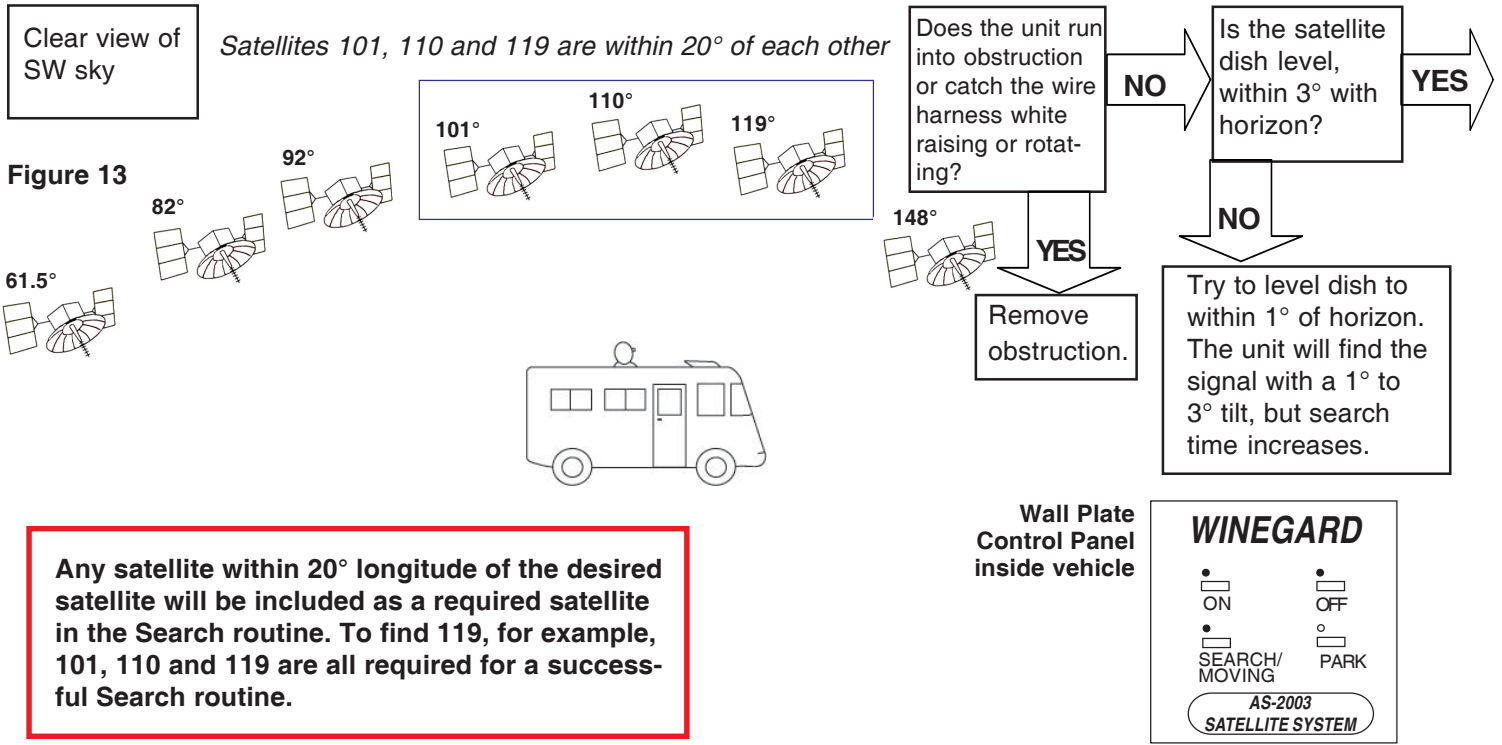
Control panel inside RV
Figure 11



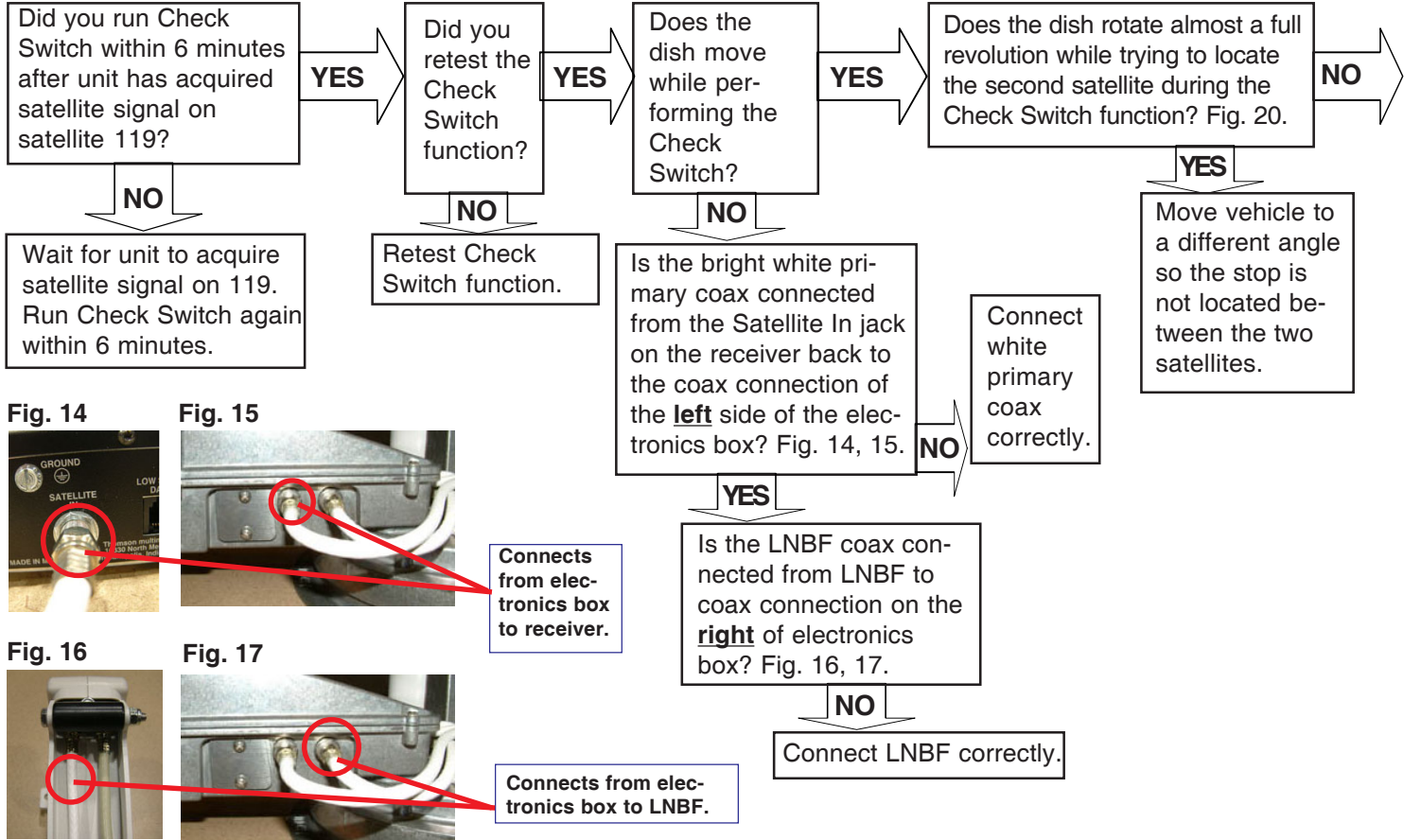
Electronics box on RV roof
Figure 12

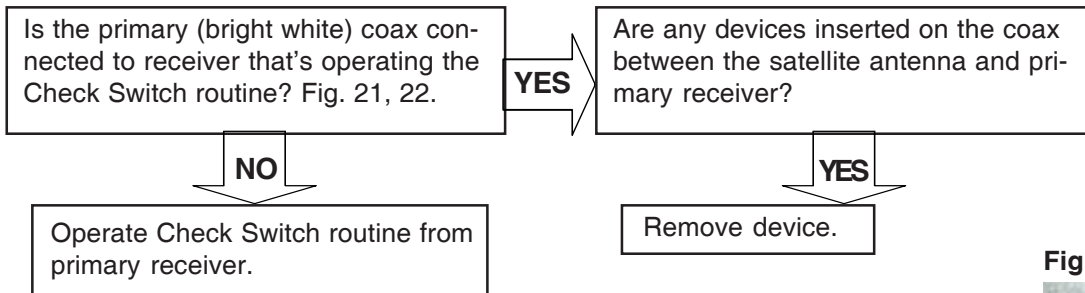
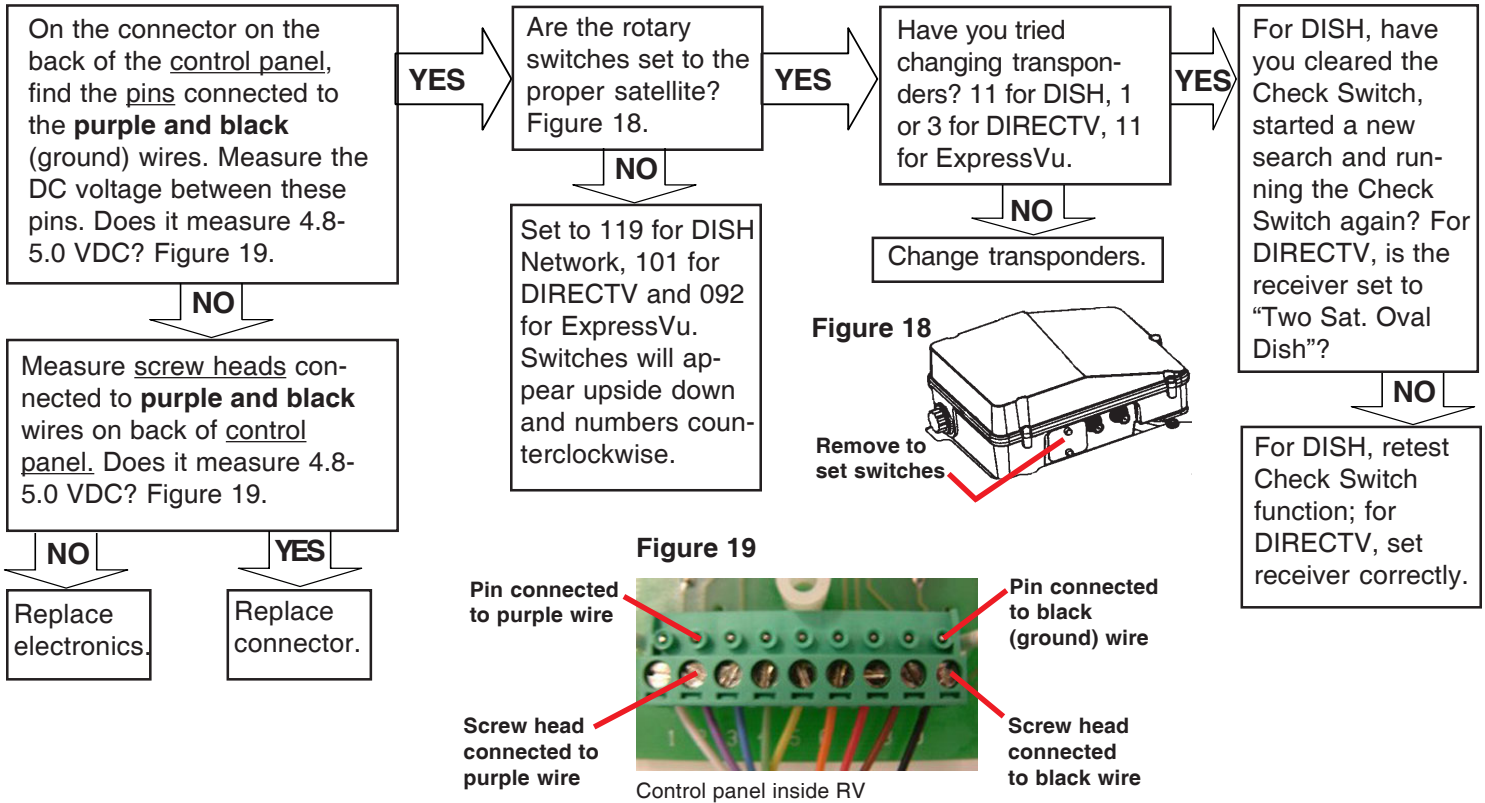


V. On, Search and Off LEDs are on (Will not find signal)

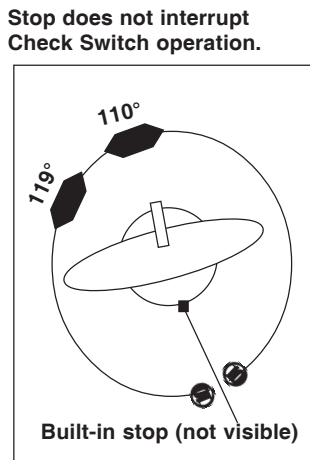
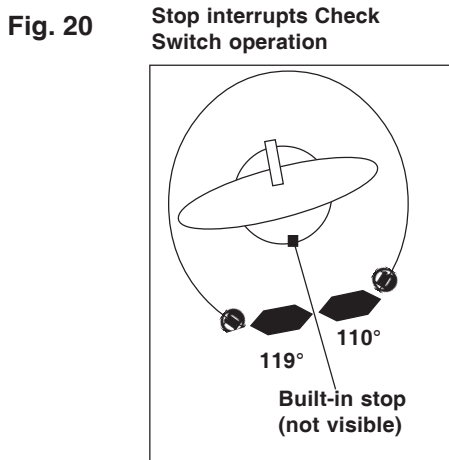


VI. Will not pass "Check Switch" function (DISH Network only)





Connects from electronics box to PRIMARY receiver.



VII. Unit will not park

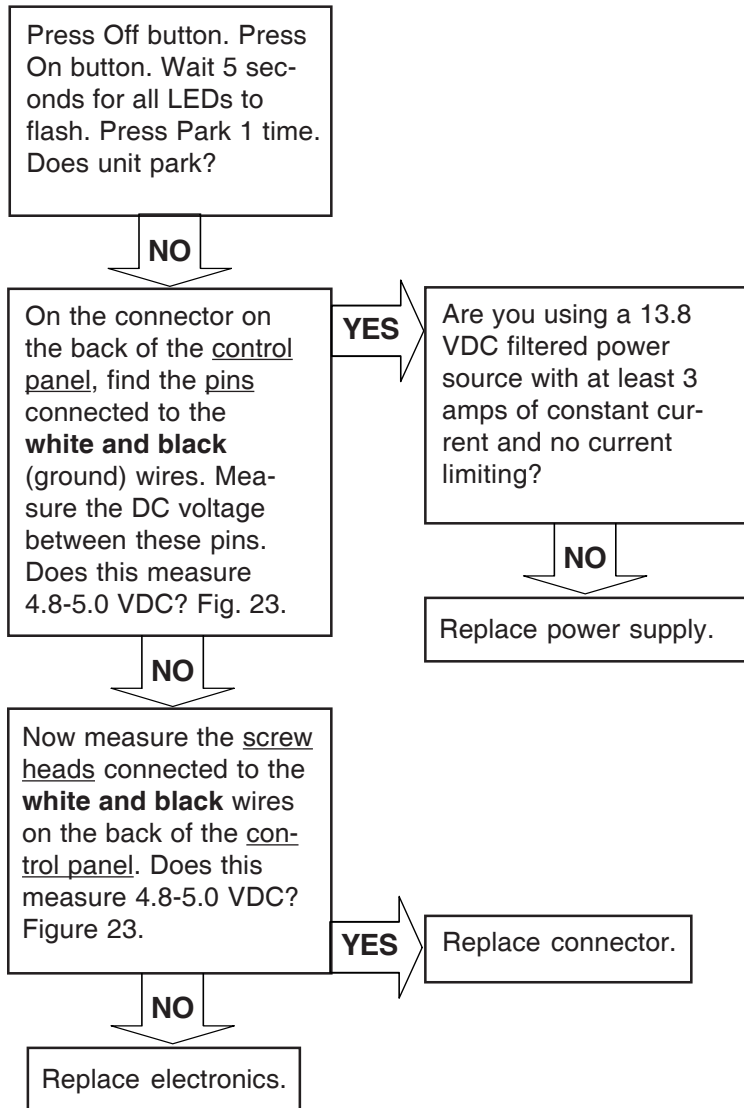
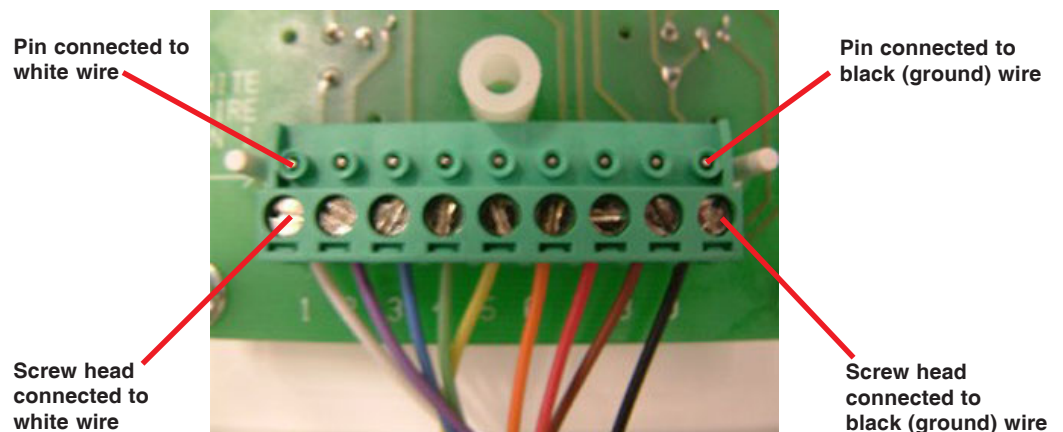
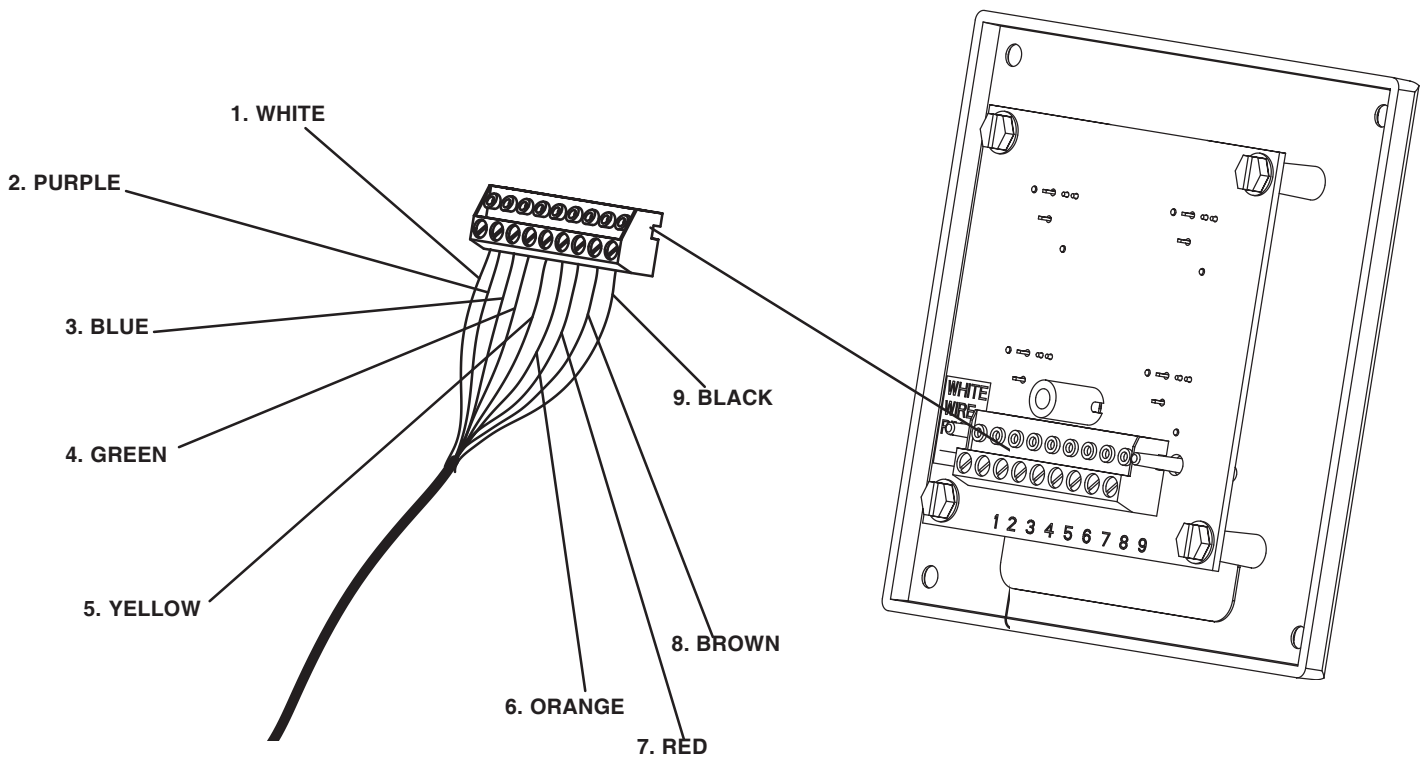


Fig. 23

Control panel inside RV



How to test voltages when checking electronics



CAUTION! Improper alignment of connector plug can cause system failure. USE EXTREME CARE when making connection. Unit MUST BE DISCONNECTED FROM POWER SOURCE before connecting.

Measuring voltages present at wall plate control will aid in determining damaged circuitry in electronics housing.

Set voltage meter to DC and touch black meter lead (-) on meter to #9 screw terminal on wall plate connector. (Black wire - ground)

Touch red meter lead (+) to each of the colored wires listed below.

Symptom: Unit may not park.

1. **White** wire voltage range 4.8 VDC - 5 VDC. (4.7 would indicate damaged circuitry in the electronics housing — replacement of electronics housing needed.)

Symptom: Unit may fail to rotate or elevate.

2. **Purple** wire voltage range 4.8 VDC - 5 VDC. (4.7 would indicate damaged circuitry in the electronics housing — replacement of electronics housing needed.)

- 3 - 6. **Blue, green, yellow, orange.** These wires should measure .5 VDC or 1.8 VDC, depending on LED states.
7. **Red** wire will read supply voltage to the unit when wall plate is switched on.
8. **Brown** wire will read primary voltage supplied to unit (11 to 13.8 VDC)
9. **Black** wire is ground.

For more information, or help with your product, call Winegard Technical Services toll-free at 800-788-4417, Monday through Friday, 7:30 am to 5:00 pm, Central Time.

