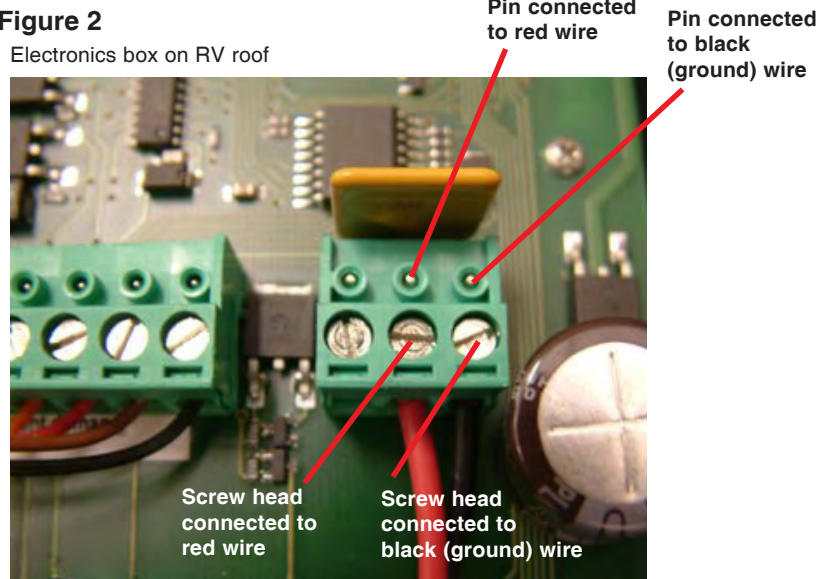
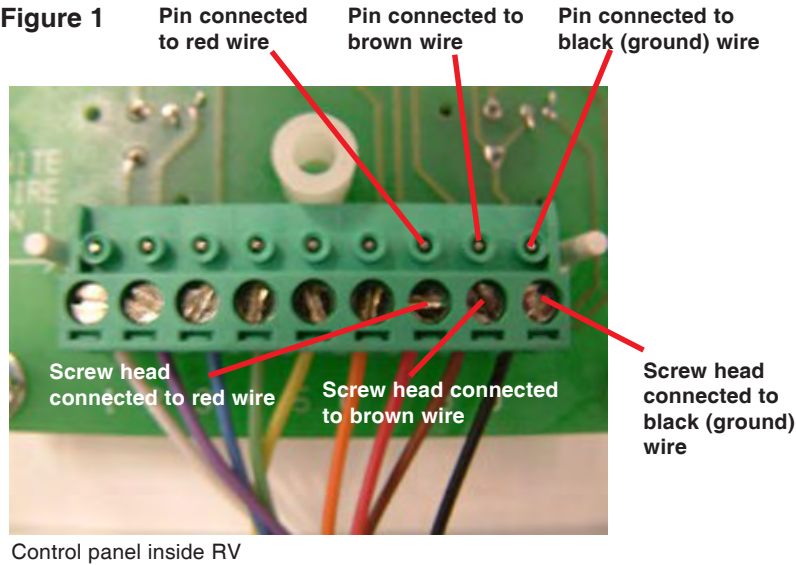
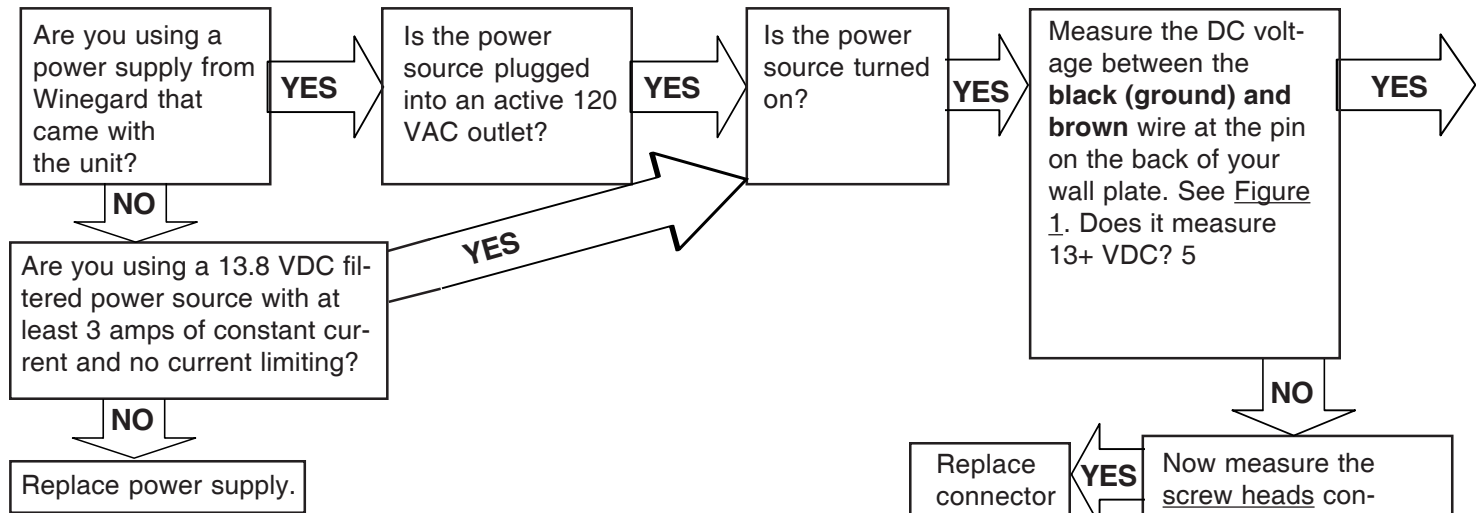


# **WINEGARD®**

## **Trouble Shooting for AS-2003 Satellite Antenna**



# I. Will not turn on



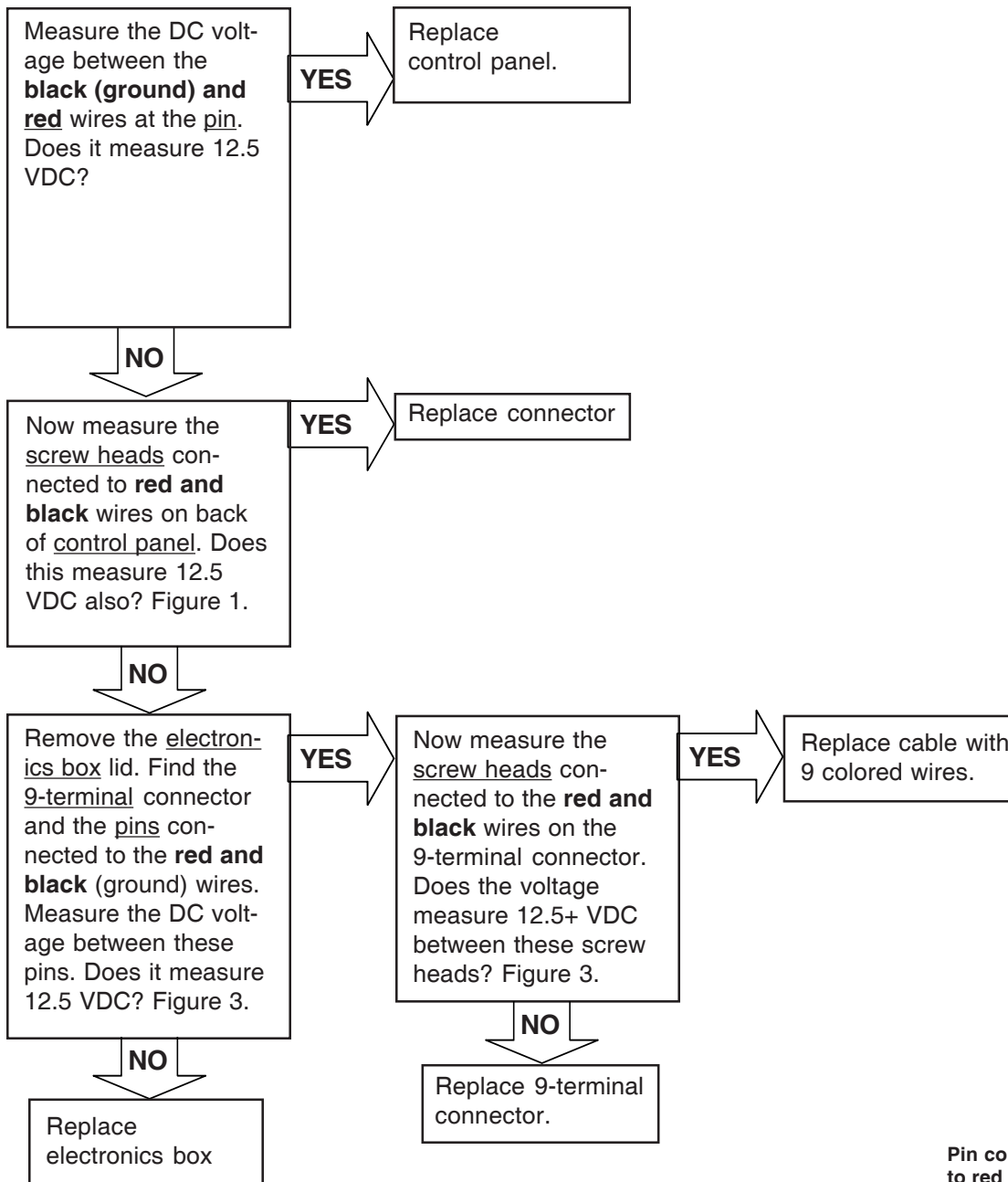
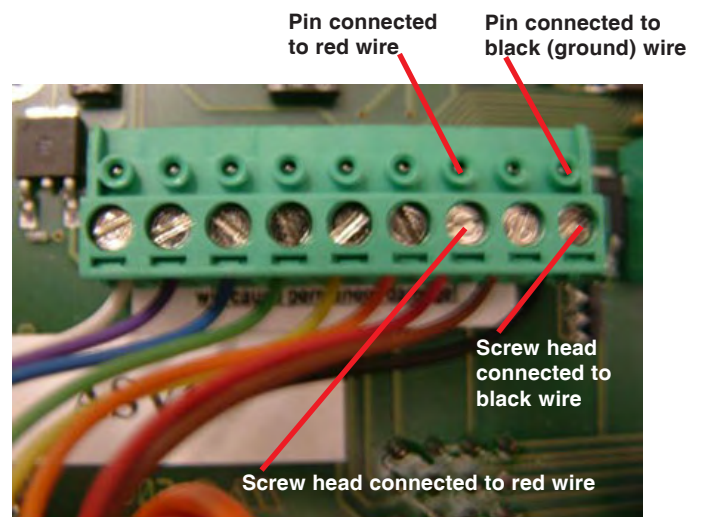


Figure 3



Electronics box on roof

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

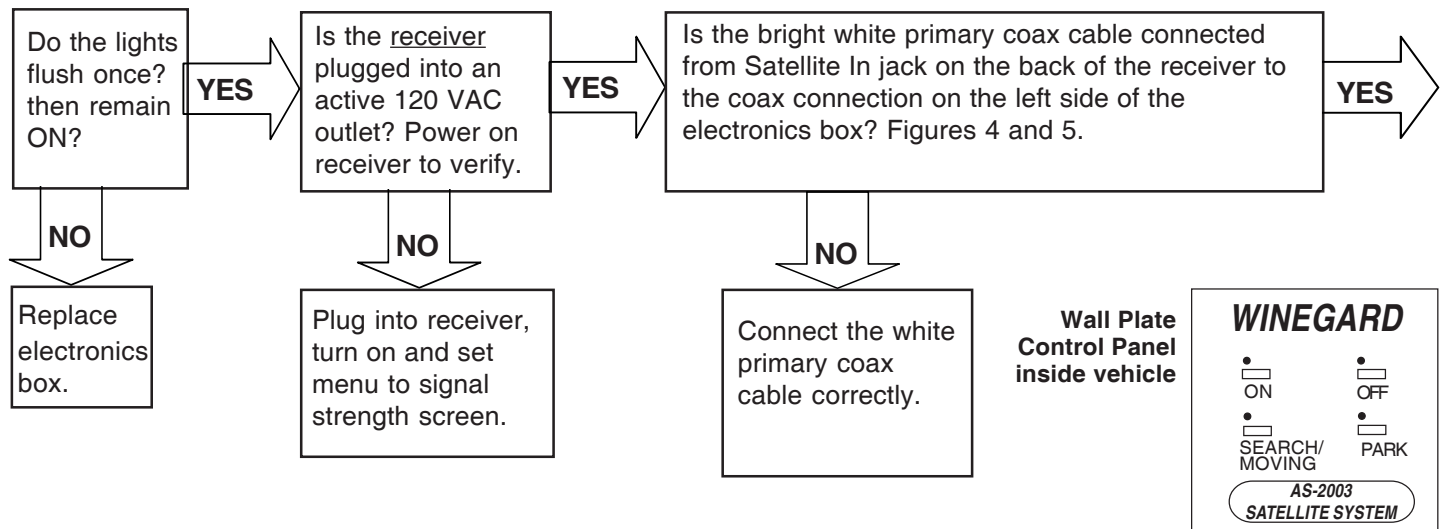
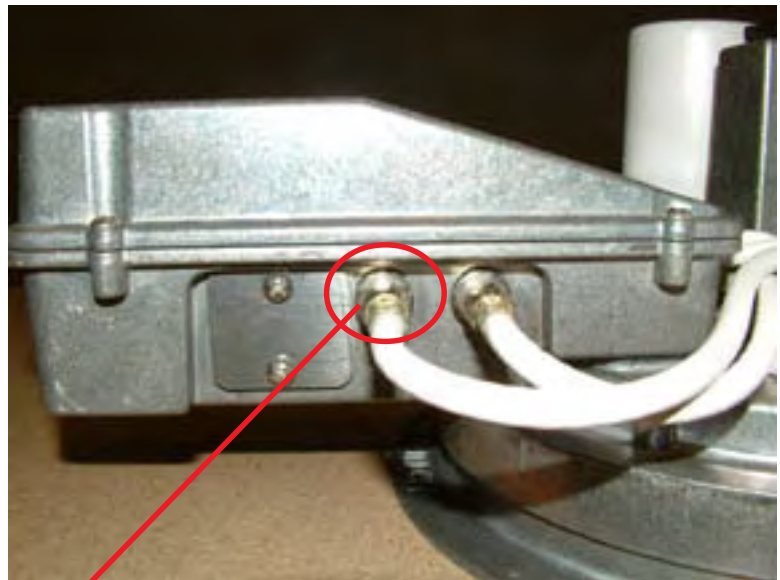


Figure 4



Figure 5



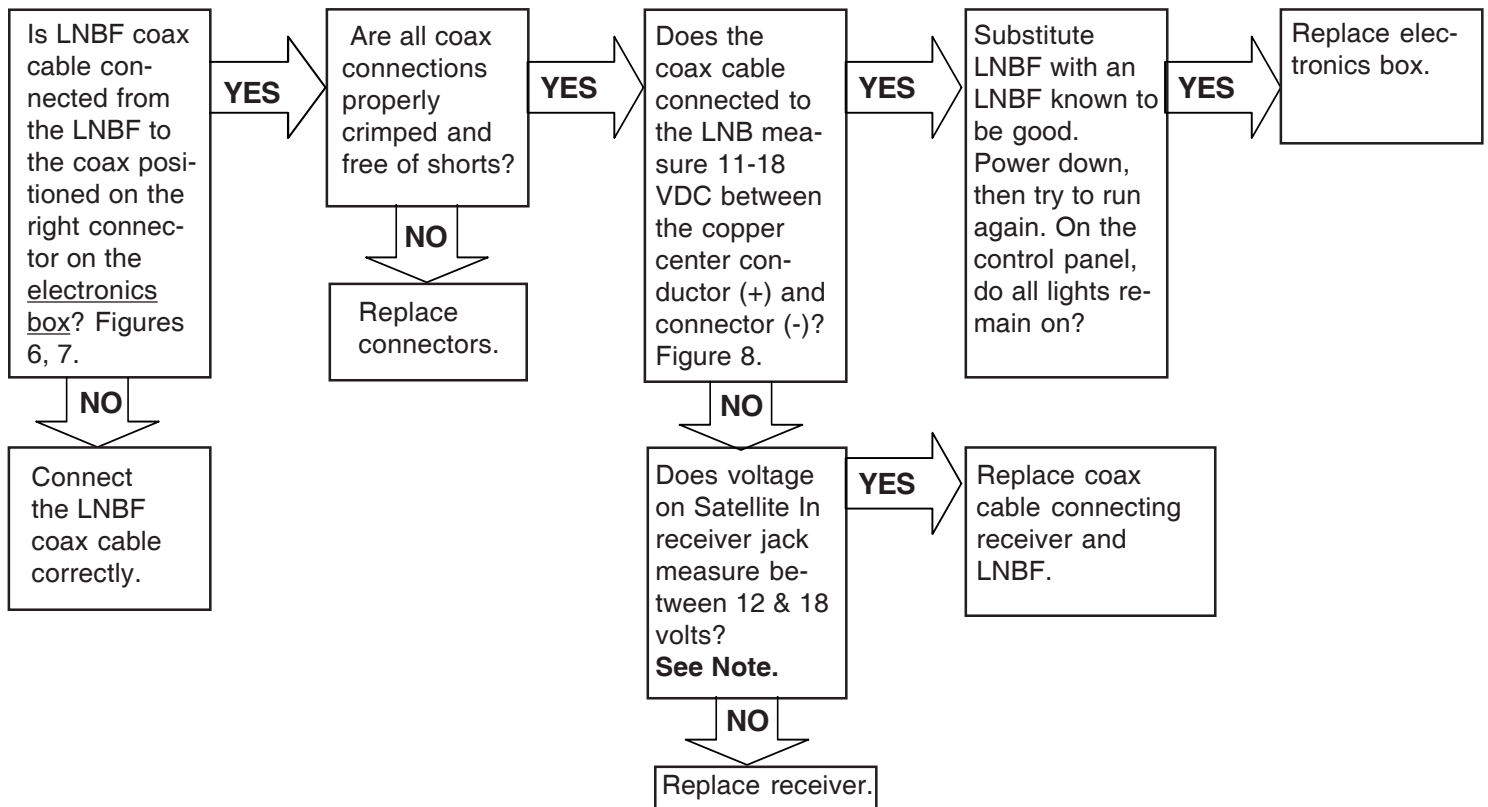


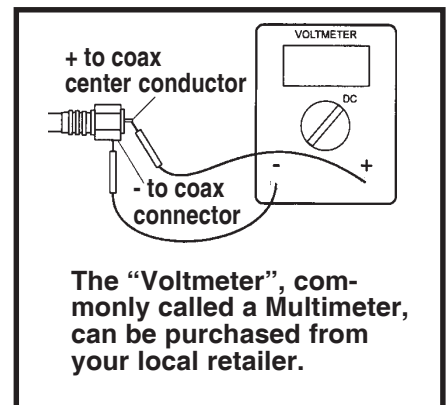
Figure 6



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

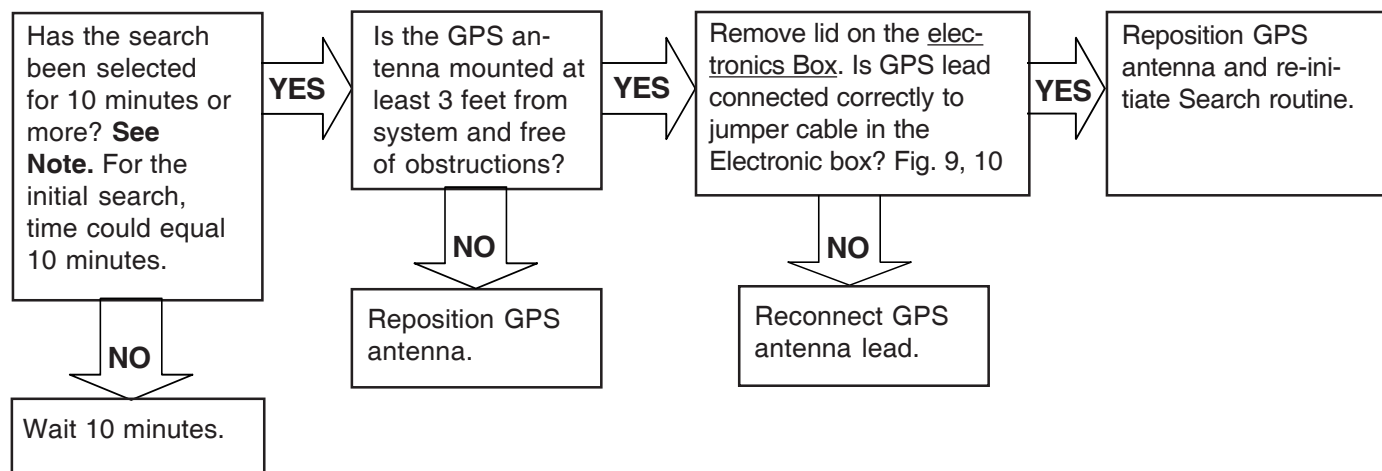
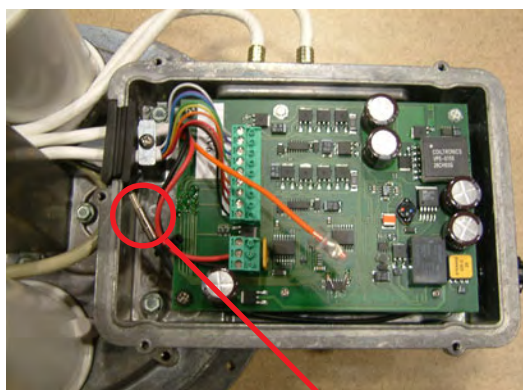


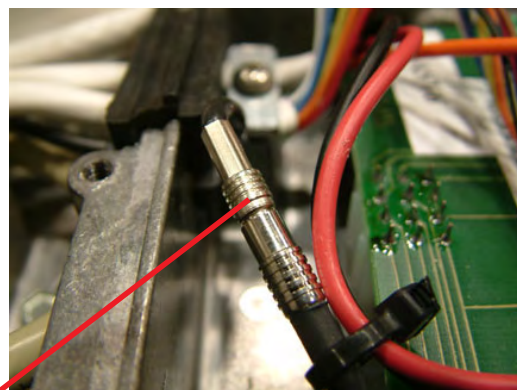
Figure 9

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.



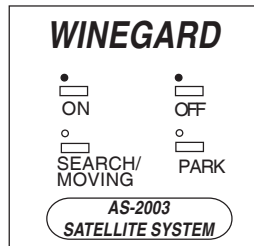
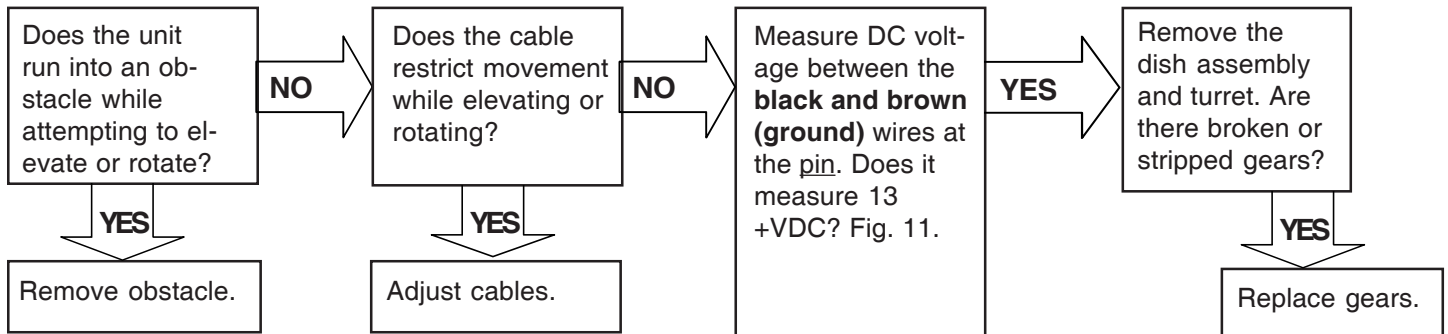
Electronics box on RV roof



Electronics box on RV roof

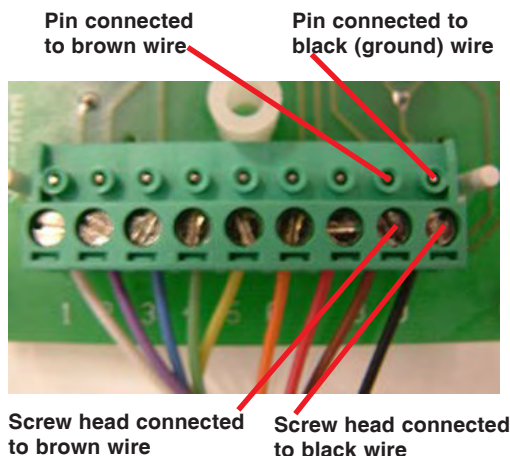
GPS antenna lead

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

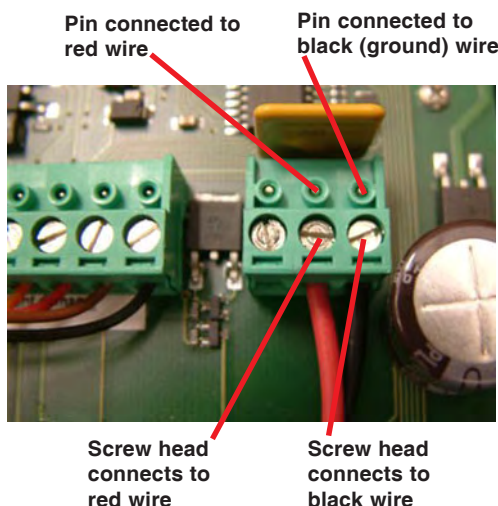


Wall Plate  
Control Panel  
inside vehicle

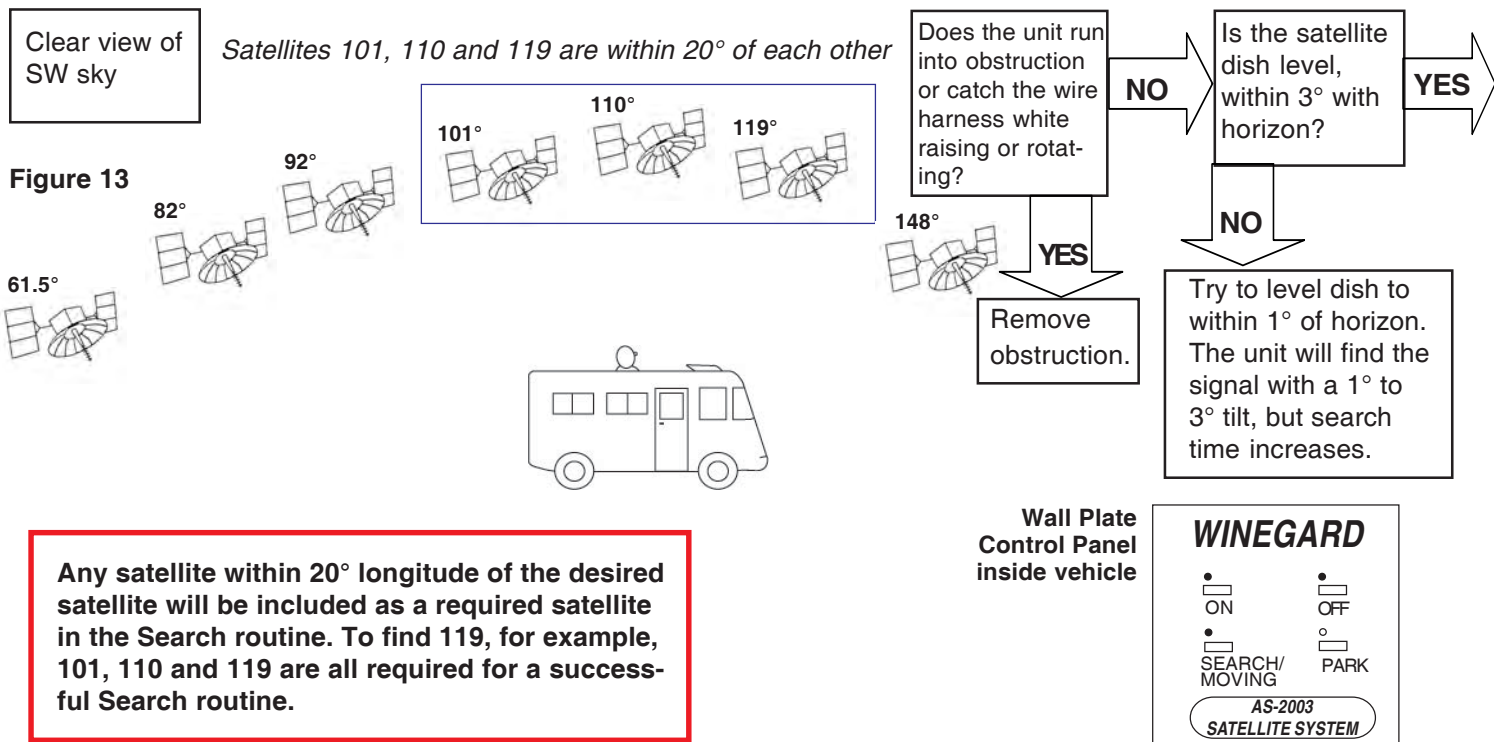
Control panel inside RV  
**Figure 11**



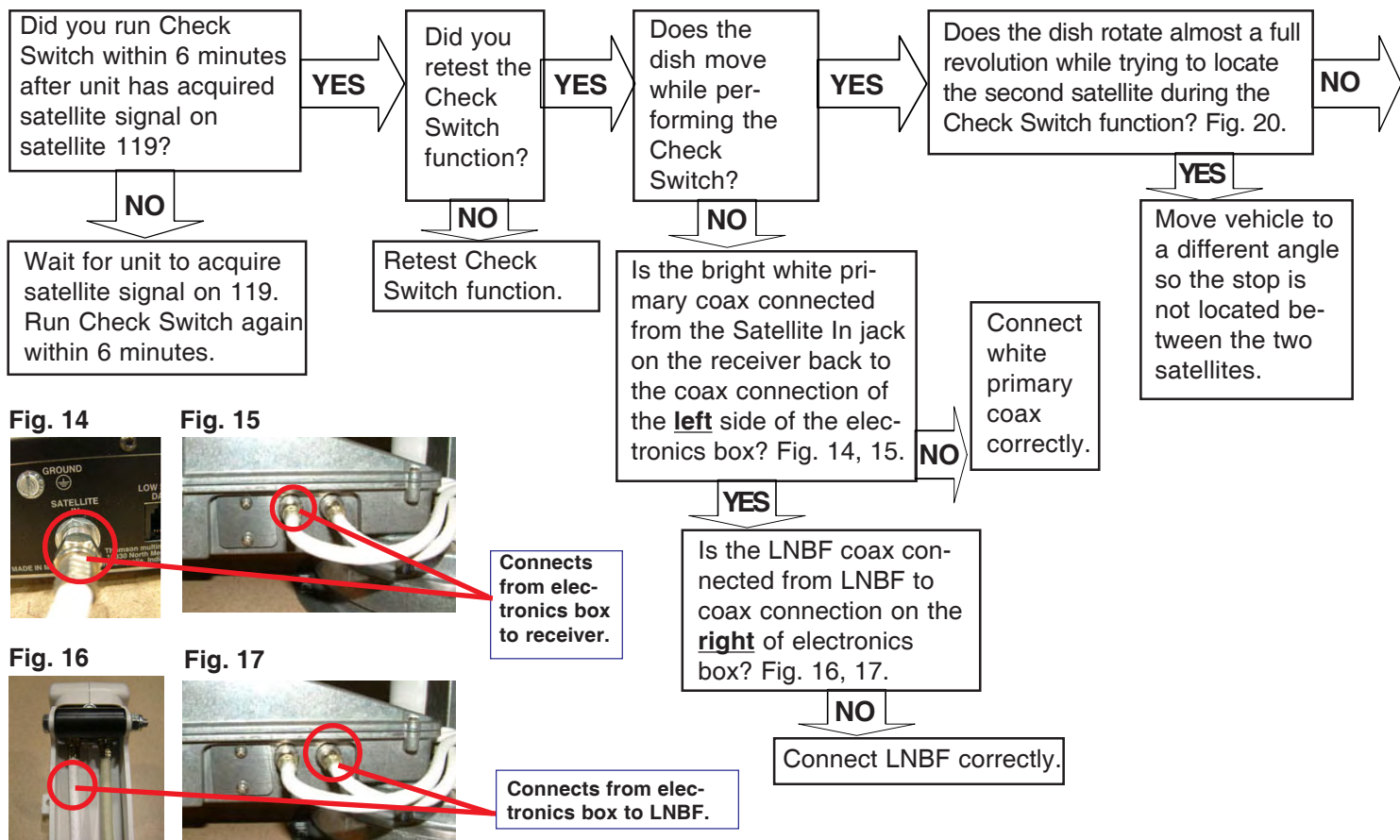
Electronics box on RV roof  
**Figure 12**



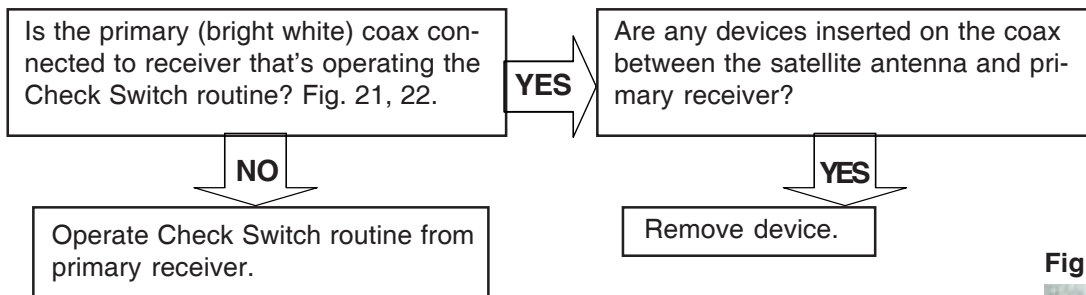
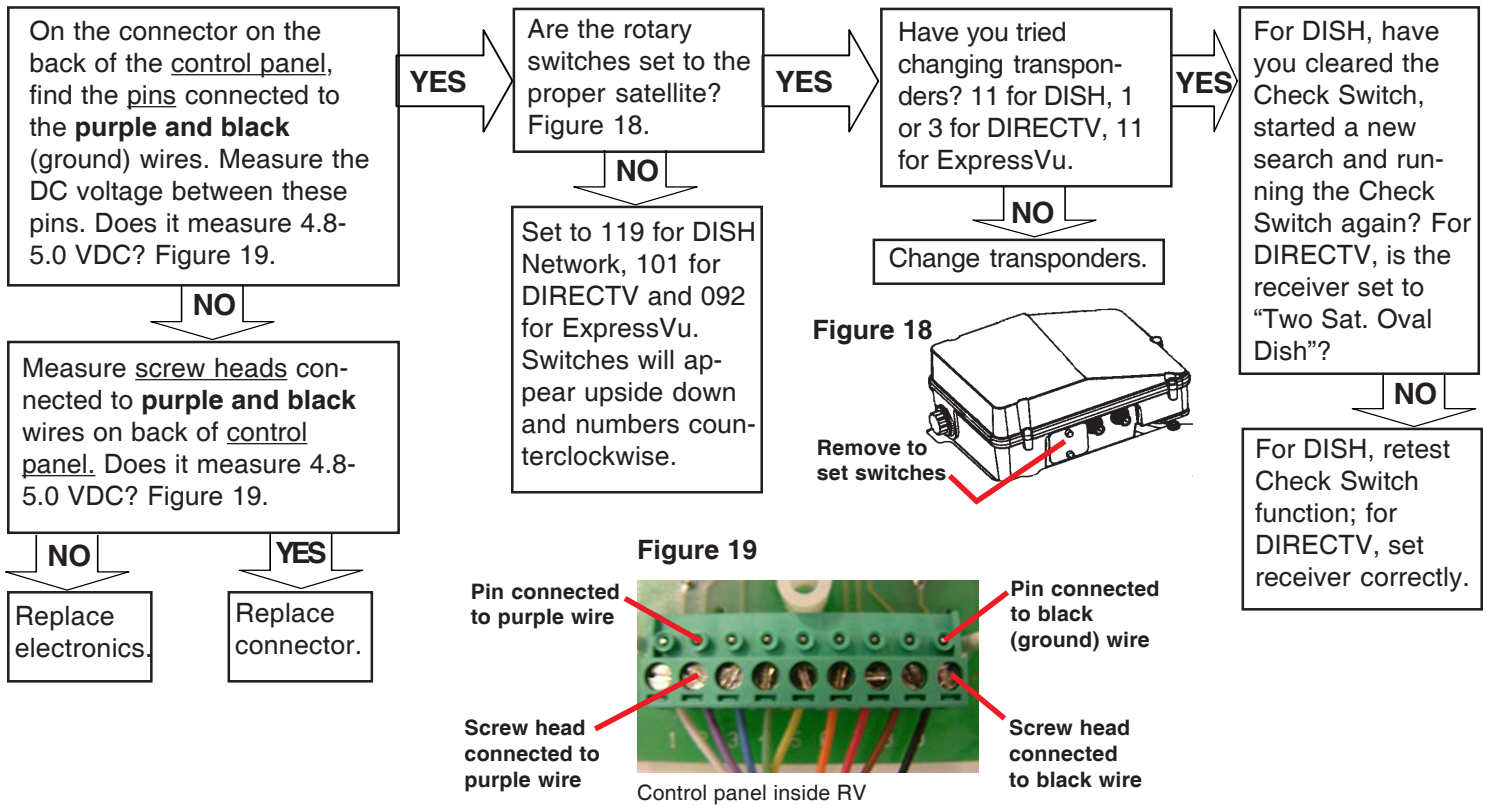
## V. On, Search and Off LEDs are on (Will not find signal)



## VI. Will not pass “Check Switch” function (DISH Network only)







**Fig. 22**



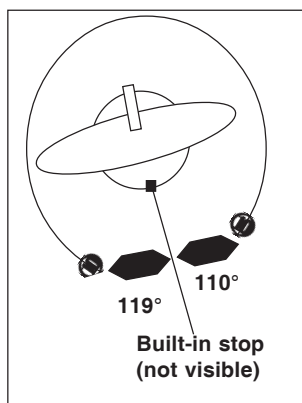
**Fig. 21**



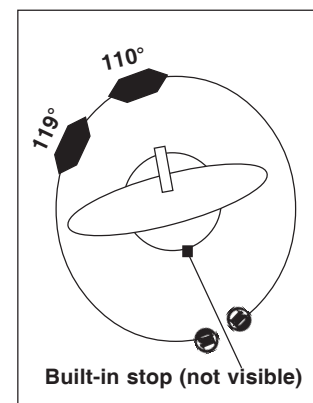
Connects from electronics box to **PRIMARY** receiver.

**Fig. 20**

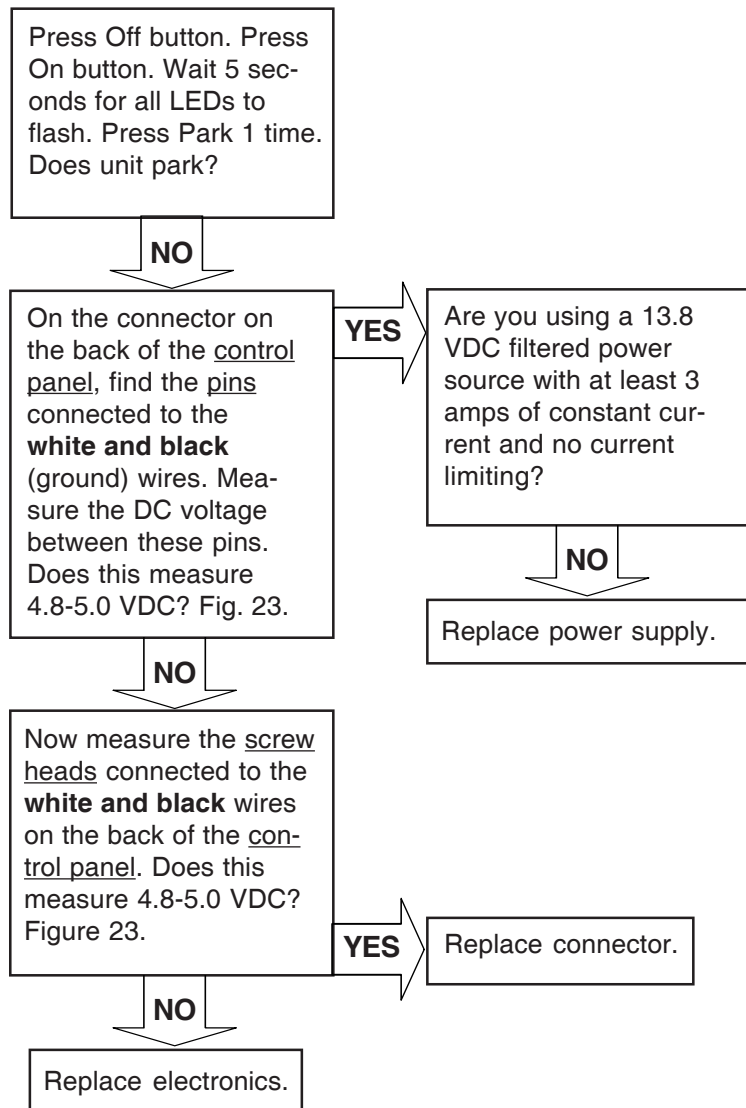
Stop interrupts Check Switch operation



Stop does not interrupt Check Switch operation.

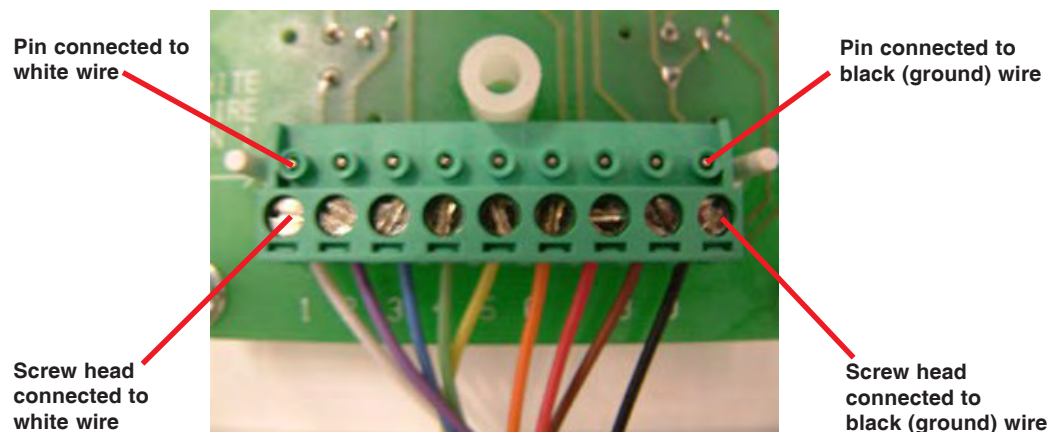


## VII. Unit will not park

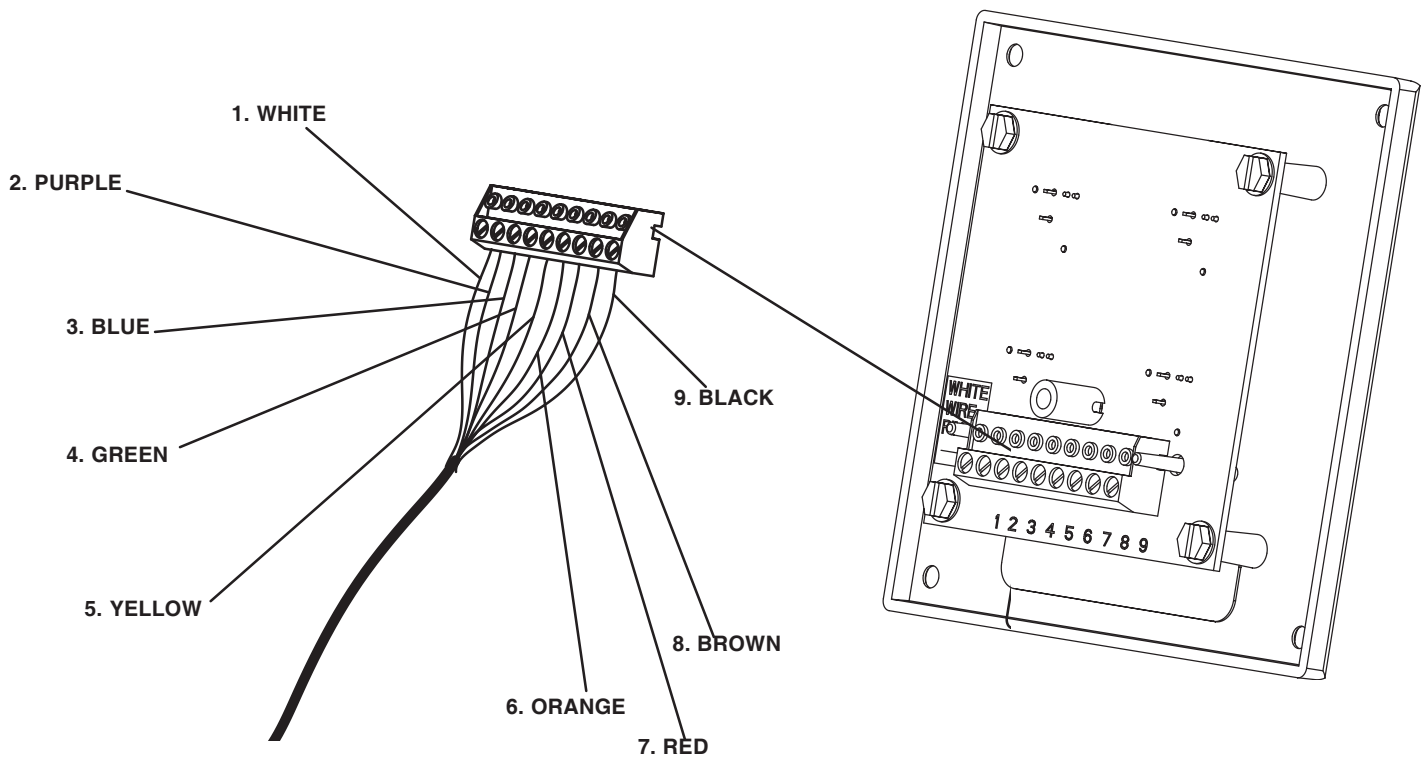


**Fig. 23**

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.

