

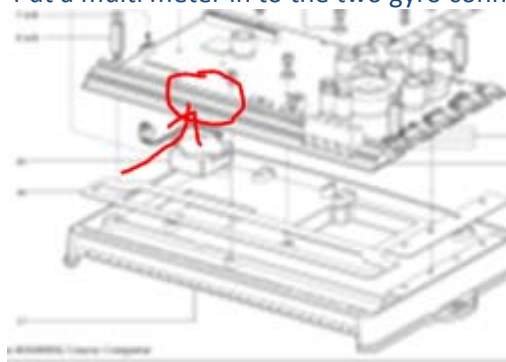
## Raymarine ST3G repair

- 1) Take the cover off you autopilot unplug the gyro. It is a small white cable that runs from the back of the board. It is located to the left of the board.



If the problem is the gyro the autopilot should now function correctly just without the benefits of a gyro. Go for a sail / motor and see if you get the same problem.

- 2) You can also manually test the gyro without taking the cover off as per the instruction above.
- 3)
  - a. Put a multi meter in to the two gyro connection on the front of the connectors strip.



- b. Power the autopilot up.
- c. Hold the pilot vertical and do not move it – the multi meter should read 2.5v
- d. Turn it left /turn it right and the voltage should go up or down.
- e. What you are looking for is that at a standstill the voltage is 2.5v.

## Rate Gyro Test (if fitted)

If you are testing a T150G or T400G or S1G, S2G, S3G and SHS, it is necessary to test whether the internal rate gyro is functioning correctly.

Using a Digital Voltmeter set to measure DC, measure the voltage at the rate gyro terminals on the front connector strip. If the rate gyro is serviceable, the reading should be between 2.5V + or - 200 mV. With the multimeter still connected, turn the Course Computer slowly, first clockwise, then anticlockwise.

If the rate gyro unit is functioning correctly, the voltage should increase (from 2.5V) as the Course Computer is turned in one direction and decrease (from 2.5V) as it is turned in the opposite direction.

