

The rudder reference unit may be bad or have a poor connection to the autopilots course computer.

To follow is a rudder reference test; make sure you are getting correct resistance to confirm a "good" RR sensor.

Rudder Reference Test:

Red to Green: 5K Ohms (+/- 10%) Steady

Red to Blue: Variable no less than 1.5K no more than 3.5K as the wheel is spun hard over to hard over.

Blue to Green: Variable no less than 1.5K no more than 3.5K as the wheel is spun hard over to hard over.

The Red to Blue and Blue to Green may not go all the way to 1.5K or up to 3.5K, but whatever either is at midships, the deflection should be about equal to either direction(i.e. midships 2.5K if it goes up to 3.1K, it should go down to around 1.8)