

Mounting a Raymarine Rudder Position Sensor (Raypilot Rudder Reference M81105)

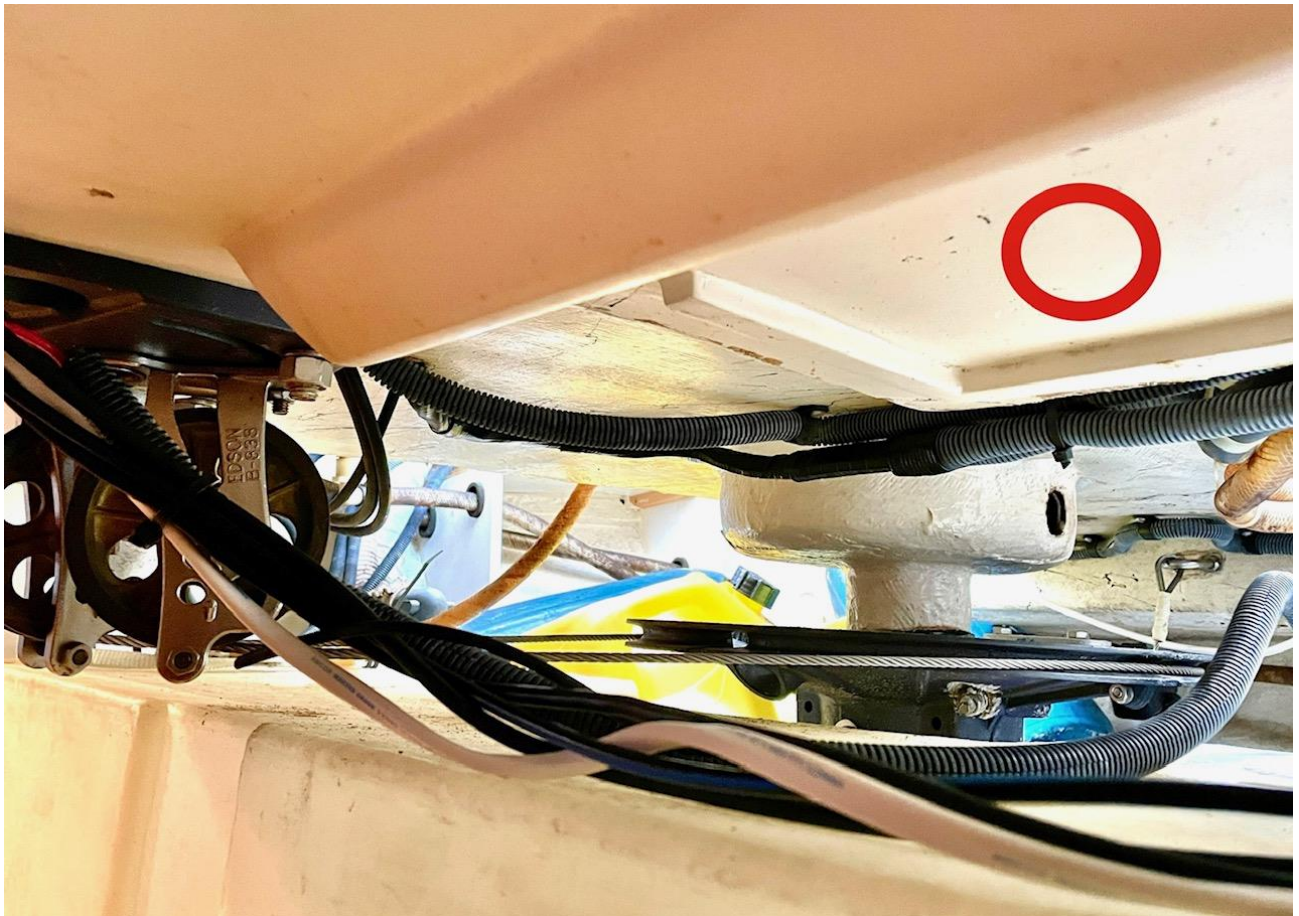
In a 2003 Catalina 34 MKII #1637

I purchased a new Raymarine Wheelpilot system to upgrade the original (couple revisions older) system. It helped but still struggled in less than benign conditions, eventually always seesawing back and forth to then point I had to go to standby and reset my course. Expecting this Rudder Position Sensor to solve the issue. This is a project I have been dreading because I thought I'd have to remove the aft water tank and get out the fiberglass and epoxy. It turned out to be far simpler. I did have to purchase a right angle drill (\$79 at Harbor Freight) but otherwise basic tools.

1. Open rear panel to expose steering



2. Locate ideal placement for the sensor! Flat, smooth, far to the rear (port side) so it can't be knocked around by locker goods.



3. **Fabricate mounting block (plastic/starboard) for connection to radial drive wheel** Then bolt it on using existing holes in the radial drive wheel.



4. **Use Raymarine template to locate hole locations then pre drill for the mounting screws.** If you don't want to buy the right-angle drill, then you'll probably have to remove the water tank.



5. **You're done!** Wire it up to the ACU unit and enjoy.

