

# Raymarine

## Helpful Tips: Servicing & Calibration Tips from Raymarine

### PRE-START EQUIPMENT CHECKS

- ✓ Know what your equipment is- Type, make & model
- ✓ Know where it is located on your boat and how to get access to it.
- ✓ Know how it is connected and where any junction boxes or connections are located.
- ✓ Understand how it works- consult your instruction manual!
- ✓ Record serial numbers and keep software calibration records somewhere safe.
- ✓ Return completed warranty cards, and file copies of warranty cards and invoices onboard for reference.
- ✓ Check that your equipment is functioning and interfaced correctly. Understand what to expect from the interfacing.
- ✓ Do all your checks in advance- DO NOT leave this to the last minute.
- ✓ Make sure any mechanical mountings are adequately reinforced and bonded into the structure of the boat.
- ✓ Make sure that the equipment is appropriate for the job that you want it to do- if in doubt always go one size bigger.

### GETTING THE BEST RESULTS

#### *Regularly check your:*

Installation- look for loose mountings, loose connections, exposed wires, corrosion or mechanical damage. Look for external sources of potential damage (i.e. direct heat or moving machinery).

- ✓ Calibration- ensure the compass is linearized correctly the wind instrument adjusted for angle and the depth offset entered; ensure the system is calibrated for the size and type of boat.
- ✓ Wiring and connections- are they loose, corroded, damaged, unsupported or exposed?
- ✓ Drive unit and fixings- are they secure and the drives lubricated dry and operating smoothly?
- ✓ Compass position and adjacent interference- ensure it is away from ferrous objects: motors, wires, steel ballast etc. and...
- ✓ Clean salt water from the control unit keys and other vulnerable areas by washing with fresh water.

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- ✓ Maintain good voltage levels- check the 'voltage at' unit as well as batteries. Avoid cheap inverters and chargers. Supplement power supply with solar power or generators.
- ✓ Avoid power supply problems by using suppressors or ferrites and DO NOT overload batteries- ideally use a separate battery for your electronics and make sure the electronics power supply is stable. Avoid supplying bow-thrusters or winches from the same batteries as the electronics if possible.

### IF THINGS GO WRONG

- ✓ Check the basics: loose wires, water damage, batteries and fuses.
- ✓ Note the exact symptoms
- ✓ Try to pinpoint the faulty unit
- ✓ Use faultfinding application notes
- ✓ Rectify with spares or replacement

**24 hour Support is available on the Raymarine website- Customer Support**  
<http://www.raymarine.com/recreational/support/index.html>