

TERROVA QUEST

DESCRIPTION

In this session you will:

- Access, via hands-on disassembly, key components of the Terrova Quest Motor.
- Learn the names and terminology associated with key components
- Learn the function of main board components
 - o Network Port
 - o Motor Output
- Learn basic interactions with One Boat Network and use One Boat Network AP/Remote as a diagnostic tool.

NOTES: (Tasks and Concepts on back of page)





HANDS-ON TASKS:

- Remove and reinstall the main control board
 - Set The Steering Center
 - Note the wires running to the lower unit: Coms and power
- Remove the sideplates and disassemble/reassemble the latch arm/Motor Ramps.
- Access Error Codes through Wireless Remote.
- □ If time allows replace the inverter in the Lower Unit

STEERING CENTERING:

With the motor deployed and off:

- 1. Reposition the Motor Ramps into the Stowed Position
- Turn the motor on by pressing the power button.
 Shortly after the motor powers on the blue led should go out and the red led should come on
- 3. Steer left until the motor stops turning
- Press and release the power button

 The red led should go out and
 orange led should come on.
- 5. Steer right until the motor stops turning.
- 6. Press the power button to complete the process.Blue led will flash to confirm

Steering Centering Process Complete

KEY CONCEPTS:

- Independently testing steering functions via One Boat Network or via known good foot pedal quickly identifies whether a lack of steering is the main Control Board issue or Input issue.
- GPS Navigation Modes (i.e. Spotlock) are overridden by any foot pedal command, even unintentional foot pedal commands.
- High amp draw from a steering housing will cause error codes and lock outs.
- All functions are input voltagedependent, the value of load testing batteries and verifying good connections all the way to the motor are critical.
- Many Issues can only be diagnosed via Error Code.