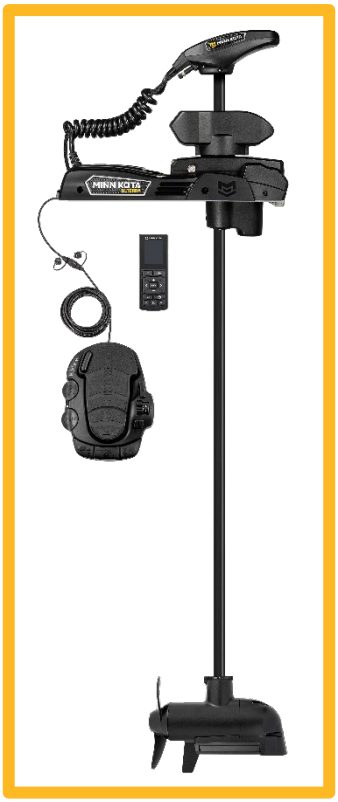
INSTINCT/ULTERRA QUEST

DESCRIPTION



In this session, you will:

- Access, via hands-on disassembly, key components of the Instinct/Ulterra Quest Motor.
- Learn the names and terminology associated with key components
- Learn the function of main board components
    - Position Sensors
    - Network Port
    - Steering Assembly Connections
        - Steering Motor
        - Trim Module Power
        - Position sensor input
    - 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:

- ❑ Do and reverse an “Emergency Stow”
- ❑ Remove and reinstall the main control board
  - Set The Steering Center
  - Perform a trim count reset
  - Note the wires running to the lower unit: Coms and power
- ❑ Remove and reinstall the lift belt
- ❑ Remove and reinstall the trim housing
- ❑ Access Error Codes through Wireless Remote.
- ❑ If time allows replace the inverter in the Lower Unit

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 voltage-dependent, the value of load testing batteries and verifying good connections all the way to the motor are critical.
- ❑ External Sensors (Tilt Bracket, Plunger, Cam/Pin) are prone to sticking, damage during installation, and corrosion.
- ❑ Many Issues can only be diagnosed via Error Code.

STEERING CENTERING:

With the motor deployed and off:

1. Hold the Plunger Down, in the position it would be in with the motor Stowed. (as shown)
2. 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. Release The Plunger
4. Steer left until the motor stops turning
5. Press and release the power button
   -The red led should go out and orange led should come on.
6. Steer right until the motor stops turning.
7. Press the power button to complete the process.
   -Blue led will flash to confirm

Steering Centering Process Complete