QUEST LOWER UNIT HANDS-ON

Description

In this session you will:

- Access, remove, and reinstall the Motor Invertor Board
- Access, remove and reinstall the Sonar End (both DSC and MSI should be viewed)
- Properly Install and remvove a Shaft Assembly.



Hands-on Tasks:

- □ Remove the 4 bolts retaining the Sonar/Plain End of the motor assembly to access the Transducer and Invertor Board.
- □ Remove and reinstall the inverter board, note that this is possible to service without removing the motor shaft.
- Note that Transducer Replacement does require shaft removal.
- ☐ Install the Shaft on the Motor, then remove the shaft from the motor.
 - -Apply Proper Torque to the bolts using a torque Wrench
 - -Simulate Loctite use.

Key Concepts:

- Access to the invertor is relatively easy
- □ Direct testing of the Lower Unit is not possible, it must be connected to a functioning control board supplying power to the invertor and an invertor com signal.
 - -Invertor replacement based on error code
- ☐ Transducer replacement does require removing the shaft to unrout the wire
- Even torque on the screws securing the locking collar is critical to maintaining a seal.
- Ulterra/Instinct gets a differnt locking collar than Terrova and Ultrex.
- ☐ Shaft can be shipped separate of the lower unit.



Notes:	