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## ECO Calibration and Repairs

**Diagnosis:** Evaluated instrument (**BBFL2WB-6482**) and found it was out of spec.  
The CDOM channel drifts significantly and cannot be tuned.

**Repairs and Modifications:** Retuned and standard service performed.  
Replaced optics head and processor board.  
Replaced motor and power assembly due to compatibility with new optics head.

**Comments:** New Device file and characterization sheets included.

### ECO Standard Service:

The instrument bulkhead connector, pressure housing and window\optics are inspected for damage. Instrument is checked to determine proper functionality. Incoming settings and memory are collected if incoming condition allows.

If applicable, a pre-service characterization is performed. Data is analyzed and Instrument is rescaled.

The head is inspected for cracks in detector and motor bores. Case seals, shaft, shaft seal, faceplate, wiper, desiccant pack, and batteries (if equipped) are replaced. Noise, stability, and live pressure test performed.

Final calibration and characterization is completed. Including calibration of thermistor and pressure sensor (if equipped). A device file, repair sheet, and new characterization sheets are provided to customer via USB.