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Date 2/25/2016 Customer NOAA

S/N# FLSB-2693 Technician KM

Diagnosis

Instrument has MVS 4 errors incoming. The shutter was not moving. Both bulkheads are corroded and need replacement. Scratches on instrument window.

Repairs

Cleaned the instrument. Replaced the motor and both bulkheads. Polished the instrument face. Completed standard service & testing. Did not need to retune the instrument. New characterization sheet, device files, and other information included on cd. Range: 125

ECO Standard Service Definition

The bulkhead connector, pressure housing and window on the instrument are first inspected for possible damage.

The instrument then is powered on and the current data is checked to determine if the instrument is working properly.

The instrument pre-service characterization is perfromed

The head is next inspected for cracks in the LED, the detector and the motor bores.

The digital and analog operations are checked.

The instruments scaling is checked with dye or scatter proxy as determined by the instrument type.

The firmware version on the instrument is updated as necessary.

The case seals, desiccant, shaft seal, faceplate, and shaft are replaced as the instrument is reassembled.

The instrument is rescaled if needed after reassembly.

Standard testing is performed on the instrument and characterized before being returned to the customer.

ECO Standard Testing Definition

- Performed noise test: 1 sample/sec for 60 sec
- Performed stability test: 1 sample/sec for 12 hrs as needed
- Performed thermistor calibration if installed
- Performed live 6hr pressure test: 5 samples every 4 minutes as needed
- Pressure-tested unit
- Completed instrument characterization
- Updated unit's characterization sheet and included on CD
- Updated unit's device file and included on CD

FLSB-2693 Revision L 6/9/09