



PFR-203 Title: FM1 noise problems seen during pre-ship CPT

Assembly : Instruments	SubAssembly : FGM	
Component : FGS	Units Affected:	Units fixed:
Originator: Michael Ludlam	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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Failure Occurred During (Check one √)

☒ Functional test ☐ Qualification test ☐ S/C Integration ☐ Launch operations ☐ Other

Environment when failure occurred:

☒ Ambient ☐ Vibration ☐ Shock ☐ Acoustic
☐ Thermal ☐ Vacuum ☐ Thermal-Vacuum ☐ EMI/EMC

Problem Description

During pre-ship CPT the FGM FM1 sensor (serial number 6) showed indications of an interrupted feedback line.

Analyses Performed to Determine Cause

Another CPT was performed to see if the problem could be repeated.

Corrective Action/ Resolution

The second CPT was performed without problems and it is concluded that the harness wiring inside the TCU was at fault.

Acceptance:

MAM: Ron Jackson _____; MSE: Ellen Taylor _____

PM: Peter Harvey _____; Cognizant Engineer _____

Date of Closure _____