

Engineering Department

Engineering Change Order (ECO)

ECO #: ECO- PS-001-ASSM-P4-001

Effective Date: October 10, 2017

Title: Aluminum Pressure Sensor Housing

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Engineering Approval: aeg
Operations Approval: aeg

Date: October 10, 2017
Date: October 25, 2017
Date: October 25, 2017

Summary:

Pro4 pressure sensors will be updated to aluminum housings to improve durability.

Parts Affected:

Part Number	Notes	Removed	Added	Modified
PS-001-ASSM-P4	Pressure Sensor Assembly (Pro 4)	☐	☐	☒
50007	Pressure sensor housing	☐	☐	☒

Detail:

Failure reports were submitted to engineering regarding the current plastic pressure sensor housing being used with Pro4 ROVs. Most reports came from the repairs department due to pressure sensors stripping and cracking during rework. To avoid future failures during rework and in the field, Pro4 pressure sensors will now include aluminum housings. This change will not affect functionality of the pressure sensor or require modifications to the current assembly.

Action Item:

Action	Department	Acknowledgement Initials
Update PS-001-ASSM-P4 BOM revision to reflect assembly change	PE	CH
Reference Rev C for part number PS-001-ASSM-P4	Inventory	SL
- Notify Pro4 pressure sensor assemblers of the change to aluminum housings - Provide applicable documentation to Pro4 pressure sensor assemblers	Purchasing	NS
Replace pressure sensor on all incoming ROVs that require breaking apart the ROV.	Repairs	JK
Inspect all incoming Pro4 ROVs and pressure sensor assemblies to include aluminum housings	QA	Damian
Inspect all Pro4 ROVs for aluminum housing pressure sensor before shipping	QC	KK

Modified / Referenced Documents:

Document	Current Revision
50007.pdf	D

-- END OF ORDER --