

	Doc or ECO #:	ECO-72986-001	Date:	11/06/2020	Author:	SL
	Rev. #:	A				
Engineering Change Order (ECO)	Engineering Approval:	aeg	Date:	11/10/2020	Quality Approval:	aeg

P/N #:	72986	Effective Date:	November 6, 2020
Title:	Cable Labeling		

1.0 Purpose / Summary

- The purpose of this ECO is ease cable identification by applying identifier labels to all cables on MSS systems for quick and easy identification while in the ROV.

2.0 Parts Affected

Part Number	Notes	Removed	Added	Modified	REV
72986	Cable Label	☐	☒	☐	A

3.0 Detail

- All whips and cables on Mission Specialist Systems will require identifier labels at the ends of connections.
- If a cable has more than 1 connector, the cable should be labeled on both ends.
- The B-427 label is made of a translucent self-laminating vinyl with permanent acrylic adhesive that is water and oil resistant. The following tests were run on the label with no visible effect, a full detailed result list can be found in the data sheet
 - 30 Days at 70c
 - 30 Days at -70c
 - 95% Humidity @ 37c
 - 5 cycles of 10-minute immersion in the following chemicals
 - Isopropyl Alcohol
 - Mineral Spirits
 - SAE 30WT Oil

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- Below is a non-comprehensive list of whips and cable assemblies that require labels and the acronym used for that specific cable. The list of cables is a living document and can continually be updated with new cable assemblies.

Part	PN	Label Text	Note
HD Camera	70044	HD CAM	
Thruster	70503	THR	
LED	70023	LED	
Communications Module	70191	COMHB	
IMU / IMU Extension	70571	AHRS	Both Ends
Inuktun Manipulator	70548	Manip	Both Ends
Blueprint Manipulator	71736	Manip	Both Ends
Blueprint Oculus Sonar	70678	Sonar	Both Ends
Blueprint USBL	71792	USBL	Both Ends
Tritech USBL	71503	USBL	Both Ends
Nortek DVL	70889	DVL	Both Ends
GPS	70809	GPS	
Laser	72865	LZR	
Tritech Sonar	71503	SS Sonar	Both Ends

- Work instructions and drawings will be updated as they are being updated for other changes.

4.0 Disposition of Material

- N/A

5.0 Action Items

Action	Department	Acknowledgement Initials

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6.0 Modified / Referenced Documents:

Document	Current Revision
72986-Cable Naming.xlsx	

7.0 Revision History

Date Revised (mm-dd-yyyy)	Location of Change (section, paragraph no., step no., etc.)	Description of Change Made	Name of Person making the Change
11/10/2020	All	Init	aeg