

	Doc or ECO #:	ECO-70892-001	Date:	2/25/2019	Author:	CH
	Rev. #:	A				
Engineering Change Order (ECO)	Engineering Approval:	Aeg	Date:	3/5/2019	Quality Approval	DO

P/N #:	70892	Effective Date:	February 25, 2019
Title:	Increase quantity of 9 pin extensions		

1.0 Purpose / Summary

9 pin extension (70571) was added to the Pro5 ROV base vehicle assembly to be able to connect manipulators and other RS485 devices to the center 9 pin port on the combo power / comms module.

2.0 Parts Affected

Part Number	Notes	Removed	Added	Modified	REV
70892	Increase qty of 70571 in assemble	☐	☐	☒	A
70571	9-Pin M to 9-Pin F Extension Cable - 21"	☐	☒	☐	A

3.0 Detail

Due to the placement of the 5 pin connectors on the combo module there is an interference with the exit of the m/f 9pin cable. In particular the commonly added Pro5 rotating manipulator includes an angled male/female 9 pin connector, which cannot connect directly to the combo box ports due to space. A 9-pin extension (70571) has been added to the Base vehicle BOM. This addition will be used for any additional serial device plugged into the PRO5.

In systems without a manipulator or other device installed the extension cable will still be installed, but just dummied off for later use.

4.0 Disposition of Material

NA

5.0 Action Items

Action	Department	Acknowledgement Initials
Update BOMs in Epicor for parts affected	Engineering	CH
Reference Revision B for PNs stated in Parts Affected when pulling a job for production	Inventory	SL

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6.0 Modified / Referenced Documents:

Document	Current Revision
NA	Click here to enter text.

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
2/25/2019		Initial Release	