

	Doc or ECO #:	ECO-VB-002-001	Date:	4/6/2018	Author:	CH
	Rev. #:	A				
New Video Balun transformer and Ferrule Assembly	Engineering Approval:	aeg	Date:	4/6/2018	Quality Approval	DO

P/N #:	VB-002	Effective Date:	April 6, 2018
Title:	New Video Balun Transformer and Ferrule Assembly		

1.0 Purpose / Summary

This ECO addresses the implementation of a new Video balun and use of ferrules on video wires with video balun PCB VB-002. This change will be implemented on all Pro4 and IP65 panels.

2.0 Parts Affected

Part Number	Notes	Removed	Added	New	Modified
VB-002	Circuit Board Video Interface with Balun	☐	☐	☐	☒
52376	20AWG White Ferrules	☐	☒	☐	☐
71160	De-Cased Video Balun Transformer	☐	☐	☒	☐
CB-01-PRO4-SET	Circuit Board ROV Set (Pro 4)	☐	☐	☐	☒

3.0 Detail

Current Balun transformer used in the Pro4 board set and panel have reached EOL and will be replaced with 71160 De-Cased Video Balun Transformer from Liberty Wire and Cable. The balun transformer has the same footprint and functionality as the one currently in use, therefore this will be drop in replacement and require no modifications.

Pro4 and IP65 panels have a direct wire to connector assembly for video signal wires from the 8 pin whip to the video balun PCB. This could potentially cause a bad connection or the wire pulling out from the connector. The implementation of ferrules for this assembly will provide a secure and reliable connection. No modifications are necessary for this change.

4.0 Disposition of Material

No stock will be reworked

Repairs should add ferrules if they are replacing the video balun board or associated wiring

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5.0 Action Items

Action	Department	Acknowledgement Initials
- Add PN 71160 to Epicor - Make Ferrule assembly instructions	PE	CH
Add PN 71160 De-Cased Video Balun Transformer to inventory	Inventory	SL
- Notify PPI of the changes stated above - Provide applicable documentation to PPI including ECO and work instructions - Have PPI state on the PO when this ECO has been implemented	Purchasing	NS
Continue to implement ferrules with video balun PCB on all Pro4 and IP65 panels	Production	KK
Confirm with PPI which Pro4 panel will include the change stated above for tracking purposes	QA	DO

6.0 Modified / Referenced Documents:

Document	Current Revision
Video Balun Ferrule Assembly	A

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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
4/6/2018		Initial release	CH