

	Doc or ECO #:	ECO-70191-004	Date:	2/05/20	Author:	JRK
	Rev. #:	A				
Engineering Change Order (ECO)	Engineering Approval:	aeg	Date:	2/05/20	Quality Approval	AEG

P/N #:	70191	Effective Date:	June 14, 2020
Title:	5 Pin & 9 Pin Bulkhead Connector Centering O-Ring Needed		

1.0 Purpose / Summary

A replacement for the 5-Pin Female Bulkhead Connector **[70264]** and the 9 Pin Female Bulkhead Connector **[CB9-001F]** is required due to an inability to source this part in a reasonable timeline. The replacements require the addition of Square Profile Oil-Resistant Buna-N O-Rings, 1mm Width, 9mm ID, 11mm OD **[1171N123]** to center the connector during installation.

2.0 Parts Affected

Part Number	Notes	Removed	Added	Modified	REV
70191	Added Square-Profile Oil-Resistant Buna-N O-Ring 1 mm Wide, 9 mm ID for 5 and 9 pin spacer	☐	☐	☒	D
72286	Square-Profile Oil-Resistant Buna-N O-Ring 1 mm Wide, 9 mm ID for 5 and 9 pin spacer	☐	☒	☐	COTS

3.0 Detail

The following parts were added to the BOM and assembly drawing to synchronize them with the work instructions:

A replacement for the 5-Pin Female Bulkhead Connector **[70264]** is required due to an inability to source this part in a reasonable timeline. The replacement connector geometry is slightly different, the main differences are an increase in overall length of the molded portion of the connector and an increase in the width of the thread relief groove in threaded portion of the connector. The width of the thread relief on the new connector is wider than the housing wall thickness. For this reason, the connector no longer centers in the mounting hole in the housing and requires the addition of **[72286]** Square-Profile Oil-Resistant Buna-N O-Ring 1 mm Wide, 9 mm ID for 5 and 9 pin spacer to center the connector during installation. The 9 PIN connector **[CB9-001F]** Also has a larger thread relief, which also sometimes requires a spacer.

4.0 Disposition of Material

Any existing assemblies **[70191]** can remain in inventory and be used.

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ALL 5-Pin Female Bulkhead Connector **[70264]** or 9 PIN **[CB9-001F]** from the historic vendor or the new vendor can be used following the updated work instructions.

5.0 Action Items

Action	Department	Acknowledgement Initials
Update BOM in Epicor	Engineering	JRK
Update Part and Assembly Revisions in Epicor	Engineering	JRK

6.0 Modified / Referenced Documents:

Document	Current Revision
WI-70191	A

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
2/05/2020	-	Initial Release	JRK