

	Doc or ECO #:	ECO-70809-001	Date:	7/12/2019	Author:	JMV
	Rev. #:	002				
Engineering Change Order (ECO)	Engineering Approval:	Aeg	Date:	8/12/2019	Quality Approval	DO

P/N #:	70809	Effective Date:	August 12, 2019
Title:	GPS REDESIGN		

1.0 Purpose / Summary

The MSS GPS had many issues including but not limited to long time to first fix, mechanical failures, difficult assembly, and out of date instructions. The entire assembly has been redesigned.

2.0 Parts Affected

Part Number	Notes	Removed	Added	Modified	REV
70809	MSS GPS 2.0	☐	☐	☒	C
71046	Kit assembly drawing updated for new 70809	☐	☐	☒	B

3.0 Detail

The Spam board was relocated to improve signal strength of the GPS. The vertical retractability was also redesigned to allow replaceability. The Flexibility of the GPS was also redesigned to avoid tolerancing issues with fitment of the spring. The receiver housing was redesigned to allow the antenna to receive better signal. See general assembly drawings for details.

4.0 Disposition of Material

The old revision of GPS parts has gone out of stock. Any remaining mechanical parts of the old GPS assembly can be stored or disposed of.

Fielded REV A. at customer sites to be replaced at the discretion of operations.

5.0 Action Items

Action	Department	Acknowledgement Initials
EXCEL BOM UPDATE	ENGR	JMV
EPICOR BOM UPDATE	ENGR	RN

	Doc or ECO #:	ECO-70809-001	Date:	7/12/2019	Author:	JMV
	Rev. #:	002				
Engineering Change Order (ECO)	Engineering Approval:	Aeg	Date:	8/12/2019	Quality Approval	DO

6.0 Modified / Referenced Documents:

Document	Current Revision
70809 WI	C

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
8/12/2019		Initial release	JV
8/22/2019		GPS assembly went from REV B to REV C.... added black epoxy; all drawings, excel bom, Epicor bom updated.	JV