

	Doc or ECO #:	ECO-70771-003	Date:	06/3/2020	Author:	MW
	DOC Rev. #:	A				
MSS DEFENDER LOWER PLATE	Engineering Approval:	AEG	Date:	06/3/2020	Quality Approval:	aeg

P/N #:	70771	Effective Date:	June 22, 2020
Title:	MSS DEFENDER LOWER PLATE BATTERY MOUNTS AND SQUARE NUTS		

1.0 Purpose / Summary

The lower plate has been modified to allow quick coupling of battery mounts and the hex nut cutouts have been replaced with square nut cutouts. Square nuts replace the hex nuts in the frame assembly drawing.

2.0 Parts Affected

Part Number	Notes	Removed	Added	Modified	REV
70771	MSS Defender Lower Plate	☐	☐	☒	C
70745	MSS Defender Frame Assembly	☐	☐	☒	C

3.0 Detail

We needed a way to quickly attach the subsea battery pods to the defender. The method we are using requires the bottom plate to have 4 square cutouts, 2 in the front and 2 in the back, on either side.

Also the m6 hex nuts have been stripping out. To rectify this, we are moving to m6 square nuts and therefore the hex nut cutouts on the plate have been replaced with square nut cutouts.

The frame assembly has been updated to replace the m6 hex with m6 square nuts.

Note this ECO was published concurrently with ECO-70771-002

4.0 Disposition of Material

Stock on hand may be used for customers who are not getting the battery pod option.

All new US Navy EODROV orders of this part going forward need to be rev C.

Systems getting on board battery modules will require this revision

5.0 Action Items

Action	Department	Acknowledgement Initials
Update dwgS and put in RTM, Epicor	ENG	MW
Put updated dwgs in Sharepoint	ENG	AG

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6.0 Modified / Referenced Documents:

Document	Current Revision
WI-70844-Defender Assembly	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
6/3/2020		INITIAL	Mike Willis