

	Doc or ECO #:	ECO-70778-003	Date:	03/06/2020	Author:	MW
	DOC Rev. #:	A				
Defender Oculus Mount Plate Counterbore Increase	Engineering Approval:	AEG	Date:	03/06/2020	Quality Approval:	aeg

P/N #:	70778	Effective Date:	March 6, 2020
Title:	Defender Oculus Mount Plate Counterbore Increase		

1.0 Purpose / Summary

In order to reduce tear out from the fasteners the counterbore depth of the sonar holes in the plate was decreased to leave more material.

2.0 Parts Affected

Part Number	Notes	Removed	Added	Modified	REV
71047	MSS DEFENDER KIT OCULUS SONAR, 750D	☐	☐	☒	D
70778	OCULUS Mount Plate	☐	☐	☒	D
70880	PHMS-P M4 X 6 MM 18-8 SS	☒	☐	☐	
72373	PHPS M4 X 8 MM 18-8 SS	☐	☒	☐	

3.0 Detail

There was a case where the sonar with screws attached stripped out of the plate during use. There was very little material between the counterbore depth of the screw hole and the opposing face. To rectify, we are lessening the depth of the counterbore for the sonar screw holes so that it will take more force to strip the plate.

The depth was .280" and is now .167".

We are replacing the m4 x 6 mm screw with a m4 x 8mm screw to compensate for the counter bore difference

4.0 Disposition of Material

Continue to use stock on hand. Scrap when new material is available.

Replace broken parts in repairs.

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5.0 Action Items

Action	Department	Acknowledgement Initials
Purchase new plates and mounting hardware	PUR	JB

6.0 Modified / Referenced Documents:

Document	Current Revision
BOM-71047	

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
03/06/2020		Initial release	Mike Willis