

	Doc or ECO #:	ECO-70821-001	Date:	8/27/2019	Author:	MW
	Rev. #:	A				
Engineering Change Order (ECO)	Engineering Approval:	AEG	Date:	8/27/2019	Quality Approval	DO

P/N #:	70821	Effective Date:	September 18, 2019
Title:	Material Change for Arm Combo Top Mount Plate		

1.0 Purpose / Summary

This ECO is for changing the material of the part from HDPE to Acetal.

2.0 Parts Affected

Part Number	Notes	Removed	Added	Modified	REV
70821	Arm Combo Top Mount Plate	☐	☐	☒	B

3.0 Detail

It was found that the tabs on the back of the plate where the stud anchors screw into were shearing off. This occurred on two units, both at NIWC.

HDPE has a shear strength of 4800 psi. Acetal shear strength is 8000 psi. The stronger material should mitigate any issue.

4.0 Disposition of Material

Old stock should be disposed of and replaced with REV B material as soon as possible.

5.0 Action Items

Action	Department	Acknowledgement Initials
Update drawing	Engineering	MW
Publish DWG to sharepoint	Engineering	AG
Update description in Epicor	Engineering	RN
Update Inventory	Production	Sarah

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6.0 Modified / Referenced Documents:

Document	Current Revision
Arm Combo Top Mount Plate	B

7.0 Revision History

Date Revised (mm-dd-yyyy)	Location of Change (section, paragraph no., step no., etc.)	Description of Change Made	REV	Name of Person making the Change
8/27/2019		Initial	A	Mike Willis