

Engineering Department

Engineering Change Order (ECO)

ECO #: ECO-70002-001

Effective Date: January 13, 2015

Title: M5 Motor Mount Cone Coating Change

Author: Jason Knechel

Date: December 31, 2015

Engineering Approval: Andrew Goldstein

Date: January 8, 2016

Operations Approval: John Vestri

Date: January 13, 2016

Summary:

M5 Motor Mount Cone nickel plating coating is deteriorating under a variety of environmental conditions. To eliminate this issue the coating specification is now Micalox hard anodize.

Parts Affected:

Part Number	Notes	Removed	Added	Modified
70002	M5 Motor Mount Cone	☐	☐	☒

Detail:

M5 Motor Mount Cone are electroless nickel (EN) plated for abrasion and corrosion resistance. After field testing the EN coating is consistently deteriorating in environments typical for VideoRay Vehicle operations. To address the issue the coating specification is now Micalox hard anodize.

Action Item:

Action	Department	Acknowledgement Initials
Update drawing with new coating details, transfer hard anodized cones from engineering inventory to production	Engineering	JK
Release all nickel plated cones from inventory to engineering	Inventory Control	SL
Use current drawing for incoming QC inspection	Quality Control	NS
Acknowledge change	Production	CZ

Modified / Referenced Documents:

Document	Current Revision
70002.pdf	A

-- END OF ORDER --