

Engineering Department

Engineering Change Order (ECO)

ECO #: ECO-91855A271-001

Effective Date: September 2, 2016

Title: Dome nut obsolescence

Author: aeg
Engineering Approval: aeg
Operations Approval: John Vestri

Date: September 2, 2016
Date: September 2, 2016
Date: December 21, 2016

Summary:

The dome nut used on the pro4 hull rods has been discontinued. The vendor recommended replacement is used. Either part is acceptable and can be used interchangeably.

Parts Affected:

Part Number	Notes	Removed	Added	Modified
91855A271	18-8 SS Cap nut 6-32 Thread	☐	☐	☒

Detail:

Mcmaster part number **91855A271** is obsolete and replaced with McMaster part number **91855A43**.

The primary difference is specified thread depth.

The .031" depth increase shouldn't cause any issues, the stem on an existing unit extends .135" so even if the new nuts shorten it to .104" that should be plenty for everything to work. A current production acorn nut was measured and it had ~5/32 thread depth so it is suspected that the new nuts will be the same depth as the old.

Since both vendor parts are identically functional and interchangeable a new videoray p/n was not allocated, just the primary vendor p/n was changed and the internal part had its revision changed.

Action Item:

Action	Department	Acknowledgement Initials
Update vendor product number in epicor	Engineering	RN
Perform FA acceptance on new part	PPI / QC	AEG

Modified / Referenced Documents:

Document	Current Revision

-- END OF ORDER --