

	Doc or ECO #:	ECO-VTH-001-GY-001	Date:	4/25/19	Author:	JV
	Rev. #:	001				
Engineering Change Order (ECO)	Engineering Approval:	Aeg	Date:	4/26/19	Quality Approval	DO

P/N #:	VTH-001-GY	Effective Date:	April 25, 2019
Title:	Pro 4 Vertical Thruster Cone update		

1.0 Purpose / Summary

A discrepancy was noticed between a fresh manufactured VTH-001-GY piece in comparison to a historic one lying around the barn. The part model and drawing were updated

2.0 Parts Affected

Part Number	Notes	Removed	Added	Modified	REV
VTH-001-GY	Click here to enter text.	☐	☐	☒	R-03
VTH-001-CK	Cerakoted version of VTH-001-GY	☐	☐	☒	R-02

3.0 Detail

The missing detail was a thread relief on the 5/8-18 thread.

The drawing was also dimensioned calling out radius dimensions, which effectively doubles our acceptable tolerance window from $\pm.005$ to $\pm.01$. This was corrected.

The shaft through hole was also opened from .252 to .262 to avoid the need to modify VTH-001-GY to satisfy geared vertical motor clearance.

The new VTH-001-GY piece will satisfy all direct drive vertical motor needs as well as all geared vertical motor needs.

VTH-001-CK is a variation of VTH-001-GY that has been cerakoted, therefore all its dimensions have been updated in accordance to the updates of VTH-001-GY.

	Doc or ECO #:	ECO-VTH-001-GY-001	Date:	4/25/19	Author:	JV
	Rev. #:	001				
Engineering Change Order (ECO)	Engineering Approval:	Aeg	Date:	4/26/19	Quality Approval	DO

4.0 Disposition of Material

If an old revision of VTH-001-GY is to be used with a reworked geared vertical motor, IT MUST BE MODIFIED FIRST.

Use all modified VTH-001-GY pieces up before moving to the new batch of them. The new batch needs no modification and is compatible across the board.

5.0 Action Items

Action	Department	Acknowledgement Initials
Issue updated PO for FAI	PUR	NS

6.0 Modified / Referenced Documents:

Document	Current Revision
Click here to enter text.	Click here to enter text.

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