

	Doc or ECO #:	ECO-CB-01-PRO4-SET-001	Date:	10/25/18	Author:	SL
	Rev. #:	A				
Engineering Change Order (ECO)	Engineering Approval:	AEG	Date:	10/26/18	Quality Approval:	DO

P/N #:	CB-01-PRO4-Set	Effective Date:	October 26, 2018
Title:	Pro4 Compass Board Rubber Bumper		

1.0 Purpose / Summary:

With the latest Pro 4 Compass release from KCF the compass no longer aligned parallel with the Pro 4 Board set. The adhesive rubber bumper used to align the compass with the board set has been updated to correct the alignment.

2.0 Parts Affected:

Part Number	Notes	Removed	Added	New	Modified
CB-01-PRO4-SET	Circuit Board ROV Set (Pro 4)	☐	☐	☐	☒
95495K151	Bumper 1/2" x 1/8" Adhesive Backed Square	☒	☐	☐	☐
8771K83	Adhesive-Back Bumper, Nonslip Urethane, 1" Wide, 1/16" High	☐	☒	☐	☐

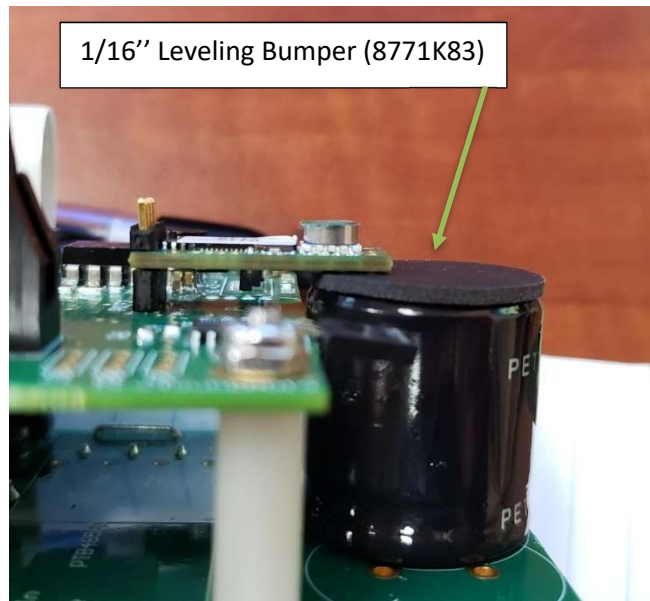
3.0 Detail:

- When KCF released the latest revision compass the dimensions changed from the previous version. Due to this change the leveling bumper (95495K151) was too tall and left the compass sitting in a negative pitch orientation. This caused mis-calibrations and directional errors.

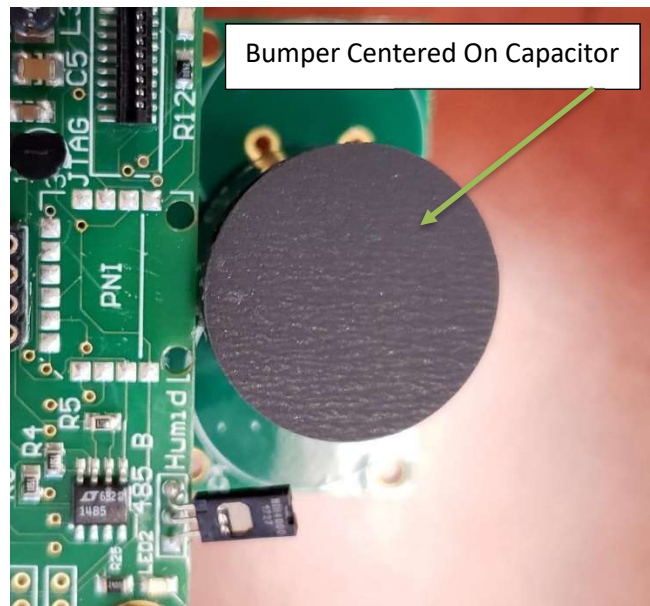


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- To correct the negative pitch orientation the bumper height has decreased from 1/8" thickness to 1/16" thickness. The new bumper (8771K83) alleviates this issue and allows the compass to sit parallel with the circuit board.

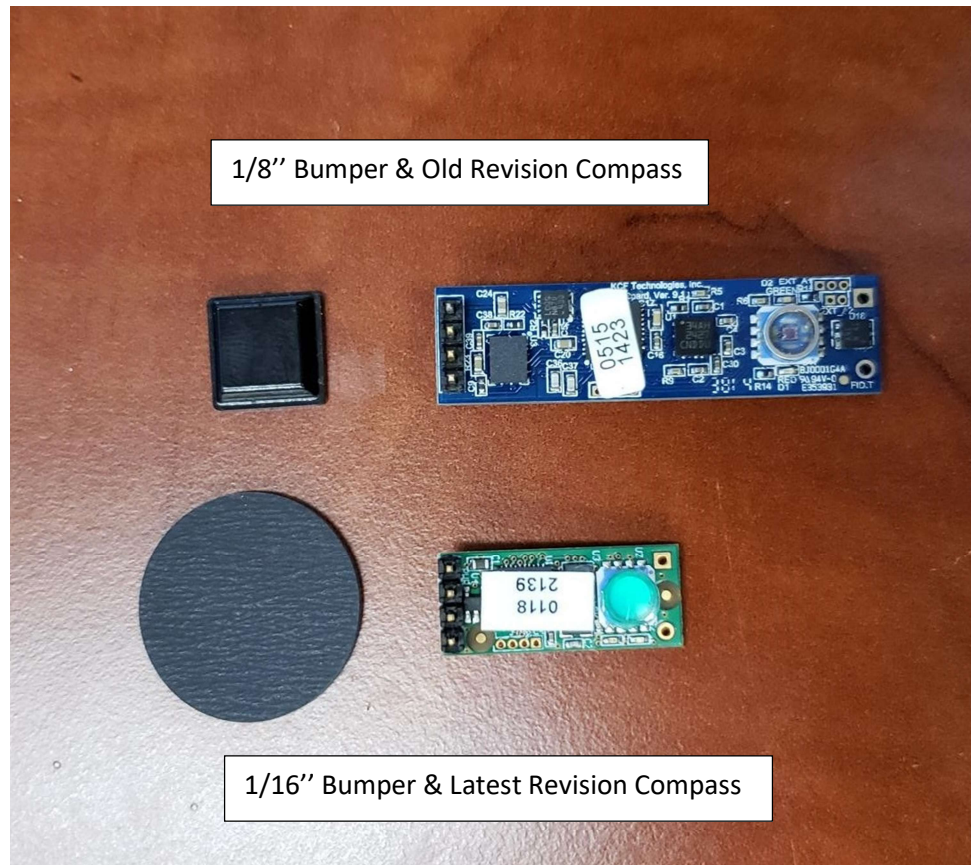


- The 1/16" bumper (8771K83) matches the diameter of the capacitor and should be placed centered on top.



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- Visual reference comparing the old revision compass and 1/8" bumper to the latest revision compass with 1/16" bumper.



Note that this ECO will serve as the work instruction for this modification.

4.0 Disposition of Material:

- No material will be removed from inventory
- Work in progress stock should be modified to conform to the ECO.

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5.0 Action Items:

Action	Department	Acknowledgement Initials
Notify suppliers of change and to use changes starting on this ECO's effective date.	Purchasing	NS
Rework old stock as needed for successful calibration	Production	KK

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
10-25-2018	Initial Release	Initial Release	SL