

	Doc or ECO #:	ECO-50074-003	Date:	07/16/18	Author:	SL
	Rev. #:	A				
Engineering Change Order (ECO)	Engineering Approval:	AEG	Date:	07/17/18	Quality Approval:	DO

P/N #:	50074	Effective Date:	July 18, 2018
Title:	Pro4 Standard Rotating Manipulator Kit		

1.0 Purpose / Summary:

The primary purpose of this ECO is to update sales kits 50074 to match the latest requirements of Manipulator Drive Unit 2.0

K-P4-001 subassembly was exploded to make inventory pulls easier.

Packing foam was modified to include big BV Aux float.

2.0 Parts Affected:

Part Number	Notes	Removed	Added	New	Modified
50074	Rotating Manipulator Kit Standard	☐	☐	☐	☒
50310	Foam Packaging Rotating Manipulator with BV Skid	☒	☐	☐	☐
52002	Socket Head Cap Screw 8-32 Thread 1-3/4" Long 18-8 SS	☒	☐	☐	☐
52003	Socket Head Cap Screw 8-32 Thread 1" Long 18-8 SS	☐	☐	☐	☒
52370	M3 x 0.5 mm Thread, 25mm Long Hex Drive Rounded Head Screw	☐	☐	☐	☒
52372	Socket Head Cap Screw 8-32 Threaded 2-1/4" Long 18-8 SS	☒	☐	☐	☐
70158	18-8 Stainless Steel Metric Pan Head Phillips Machine Screw M4 Size X 8mm	☐	☐	☐	☒
91772A192	Screw #6 x 3/4" Pan Head Phillips SS	☐	☐	☐	☒
98370A011	Washer #8 x 0.075" Flat SS	☐	☐	☐	☒
SK-P4-001	Skid Kit with Ballast (Pro4)	☒	☐	☐	☐
50309	Foam Package Rotating Manipulator with Pro 4 Skid	☐	☒	☐	☐
71275	SHCS 8-32 x 1-7/8" 18-8 SS	☐	☒	☐	☐
71276	Shoulder Washer #8 Screw Size .25" Sleeve OD .1" Height	☐	☒	☐	☐
71278	SHCS 8-32 x 2.25" 18-8 SS	☐	☒	☐	☐
BW-001-4-KIT	Ballast Weight Kit Rods (Pro 4)	☐	☒	☐	☐
VR-PRO4-07-0001	Skid Assembly (Pro 4)	☐	☒	☐	☐

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3.0 Detail:

- 50310 – Removed as it's the wrong packaging foam
- 52002 – Removed 1.0 Hardware
- 52003 – Quantity increased from 4 to 8 to accommodate 4 spares
- 52370 – Quantity increased from 4 to 8 to accommodate 4 spares
- 52372 – Removed 1.0 Hardware
- 70158 – Quantity decreased from 4 to 2
- 91772A192 – Quantity decreased from 4 to 2
- 98370A011 – Quantity increased from 1 to 2 to accommodate 1 spare
- SK-P4-001 – Removed to decrease steps as this is a combo package that requires a separate job.
- 50309 – Added correct packaging foam
- 71275 – Added Quantity 8 2.0 Hardware with accommodations for 4 spares
- 71276 – Added Quantity 8 2.0 Hardware with accommodations for 4 spares
- 71278 – Added Quantity 8 2.0 Hardware with accommodations for 4 spares
- BW-001-4-KIT – Added as breakout for SK-P4-001
- VR-PRO4-07-001 – Added as breakout for SK-P4-001
- Update Packaging to accommodate large Blueview Float block and Ballast Set

4.0 Disposition of Material:

N/A

5.0 Action Items:

Action	Department	Acknowledgement Initials
• Update RTM BOM, Get Packaging Updated	PE	SL
• Use the Latest BOM for Jobs	Production	KK
• Update BOM in Epicor	Engineering	RN

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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
07-16-2018	Initial Release	Initial Release	SL