

	Doc or ECO #:	ECO-73193-001	Date:	6/1/2023	Author:	JV
	Rev. #:	001				
Engineering Change Order (ECO)	Engineering Approval:	aeg	Date:	6/22/2023	Quality Approval	aeg

P/N #:	73193	Effective Date:	June 22, 2023
Title:	Resync ac400 for production and 24v mod		

1.0 Purpose / Summary

The ac400 was quickly modified during the rollout to higher rate of production.

This ECO is a catch up and resync all documentation to the current production standard and clean up any documentation gaps and errata.

2.0 Parts Affected

Part Number	Notes	Removed	Added	Modified	REV
73193	Ac400 panel assembly	☐	☐	☒	B
73075	Mod for 24v converter addition	☐	☐	☒	B
73894	24v converter added	☐	☒	☐	A
IPR3SAD2	Added for lim button mod	☐	☒	☐	A
74056	Danger / HOT do not touch sticker added	☐	☒	☐	A
73077	Modified design for mfg simplicity	☐	☐	☒	B
52351	HDX added	☐	☒	☐	
72719	HDX added	☐	☒	☐	
73442	HDX added	☐	☒	☐	
73441	HDX added	☐	☒	☐	
71925	HDX added	☐	☒	☐	
71924	HDX added	☐	☒	☐	
71923	HDX added	☐	☒	☐	
73444	HDX added	☐	☒	☐	
73443	HDX added	☐	☒	☐	
71667	HDX added	☐	☒	☐	
70663	HDX added	☐	☒	☐	
71806	HDX added	☐	☒	☐	
71804	HDX added	☐	☒	☐	
71773	HDX added	☐	☒	☐	
91772A146	HDX added	☐	☒	☐	

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	Within 72847	☐	☐	☐	No rev change
72659	Ip65 GPS KIT ADDITON	☐	☒	☐	A
72240	Gps puck kit removed	☒	☐	☐	
52039	Ip65 usb a cord end removed	☒	☐	☐	

3.0 Detail

The ECO is primarly to capture the documentation resync the AC400 panel BOM to match that of current production standard. This does not represent any significant design change made past initial release to production revisions.

During initial design there was a significant amount of hardware unintentionally left off the bill of materials. This has been corrected.

Additionally the voltage supply for the USBL had been increased to 24V to improve reliabillity, this is documented here as well.

The GPS IP65 connector addition was refactored as well.

Note that additional refactoring for suitable for contract manufacturing was also done.

This is documented in ECO-73193-002.

4.0 Disposition of Material

There is no disposition of material because this is a doc resync to current production standard. All operations continue as we have been.

Inventory of 73075 (AC400 accessory board) and 70683 (ruggedized power supply) should modified to rev B which can be done on the production floor as needed.

5.0 Action Items

Action	Department	Acknowledgement Initials
Epcior update	engr	JV

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6.0 Modified / Referenced Documents:

Document	Current Revision
WI-72847	A
QC-72847	B
WI-QC-72847	B
ECO-73193-002	A

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
6/22/2023		Initial	AEG