

	Doc or ECO #:	ECO-71639-001	Date:	04/24/2023	Author:	JV
	Rev. #:	A				
Engineering Change Order (ECO)	Engineering Approval:	aeg	Date:	6/22/2023	Quality Approval	aeg

P/N #:	71639	Effective Date:	June 22, 2023
Title:	HDMI cable length & routing revision		

1.0 Purpose / Summary

The purpose of this change is to alleviate difficult routing of the HDMI cable that was causing pressure on internal components, as well as being difficult to assemble.

The length of the internal HDMI cable was reduced.

Note that this is not a substantive design change, it is more of a manufacturing optimization.

The introduction of new test equipment is also referenced within this ECO. The OCC tester 74097 will now be used to test all OCC's(70218) and AC400's(72847) going forward.

2.0 Parts Affected

Part Number	Notes	Removed	Added	Modified	REV
71095	Top Level Panel Assembly _ NO REV CHANGE	☐	☐	☐	L
71639	Rev from 24" to 12"	☐	☐	☒	B

3.0 Detail

- After the last panel change(eco-71095-006) the excess length of 71639 was causing pressure on internal components; Specifically, the LEDS which are a bit fragile.
Rather than rerouting the surplus cable it was found better to use a shorter cable option.
- To keep this simple change from unnecessary sparking larger rev markings, we are reusing the part number 71639 with an increment to rev B to signal the change, rather than write a new part number and need to rev the panel assembly 71095.

This ECO also introduces a change to the QC procedure to use an All-in-one tester rather than physical modules.

74097 Test Equipment - OCC Tester EF3000

The use of this equipment spans the in process test section of WI-70218 and changes the structure of QC-70218 & QC-WI-70218 documents.

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The ac400 product 72847 will also use this tester requires updates to QC-72847 & QC-WI-72847 documents.

4.0 Disposition of Material

- Use 71639 rev A as needed then dispose of the remaining qty.
 - Item has not gone eol so we could theoretically order again in future.
- Use 71639 rev B in all new builds moving forward.
- No RMA or stocked-inventory panels need to be reworked for this modification; it is simply an improvement for future builds. RMA's are at the discretion of the repair manager.

5.0 Action Items

Action	Department	Acknowledgement Initials
Update Epicor	Engineering	JV
Update Work Instructions WI-70218	Engineering	Brandon M.
Stock 71639 Rev B	Inventory	Sarah L.
Review changes with Production	Production/Engineering	Rich M. / JV

6.0 Modified / Referenced Documents:

Document	Current Revision
WI-70218	K
QC-70218	L
QC-WI-70218	K
WI-72847	B
QC-72847	C
QC-WI-72847	C

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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		init	JV