

|                                                                                   |                       |               |       |           |                  |    |
|-----------------------------------------------------------------------------------|-----------------------|---------------|-------|-----------|------------------|----|
|  | Doc or ECO #:         | ECO-71095-005 | Date: | 2/22/2020 | Author:          | JV |
|                                                                                   | Rev. #:               | A             |       |           |                  |    |
| Engineering Change Order (ECO)                                                    | Engineering Approval: | Aeg           | Date: | 2/25/202  | Quality Approval | sl |

|               |                                  |                        |                   |
|---------------|----------------------------------|------------------------|-------------------|
| <b>P/N #:</b> | 71095                            | <b>Effective Date:</b> | February 24, 2020 |
| <b>Title:</b> | Conversion to Metal Barrel jacks |                        |                   |

## 1.0 Purpose / Summary

In ECO-71095-003, two 12VDC auxiliary power barrel jacks [72153] were added to the panel assembly. Recently these parts have been prone to cracking and breaking soon after install.

We are replacing these power jacks [72153] with more ruggedized metal jacks [72370]. Other parts are supporting hardware.

## 2.0 Parts Affected

| Part Number | Notes                                  | Removed                             | Added                               | Modified                            | REV |
|-------------|----------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-----|
| 71095       | MSS ICB ASSEMBLED PANEL                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | I   |
| 70217       | MSS ICB PANEL HOUSING                  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | C   |
| 72153       | (Plastic) DC Power mount jack w cap    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |     |
| 72371       | Power jack seal cap                    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |     |
| 72370       | Metal Barrel Jack                      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |     |
| 72369       | Specialty Washer for Metal Barrel Jack | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | A   |

## 3.0 Detail

“72153 - DC Power Panel Mount Jack With Waterproof Cap” was removed from the assembly due to its fragility. With this change, the ICB panel housing 70217 had to have slight edits to the panel cutouts for the new power jacks [72370]. 72371 and 72369 are supporting parts for the metal barrel jack conversion.

Rev B panels require 2 additional modified metal washers. In house reworked material was provided to production for all current stock.

|                                                                                   |                       |               |       |           |                  |    |
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#### 4.0 Disposition of Material

70217 Rev B should be entirely used before issuing new stock of 70217 Rev C. (last check there are roughly 20 panels in stock)

No in-stock finished goods need to be reworked

72153 Should be removed from inventory. They will be scrapped

Repairs does not have to replace 72153 in older ICB's unless they are damaged.

#### 5.0 Action Items

| Action                                                           | Department | Acknowledgement Initials |
|------------------------------------------------------------------|------------|--------------------------|
| Epicor Update                                                    | ENGR       | JV                       |
| Purchase inventory of new parts / revisions (Specifically 70217) | Purchasing | JB                       |
| Produce 70218 from latest WI-70218; Rev E                        | Production | KK                       |

#### 6.0 Modified / Referenced Documents:

| Document | Current Revision |
|----------|------------------|
| WI-70218 | E                |

|                                                                                   |                       |               |       |           |                  |    |
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## 7.0 Revision History

| Date Revised<br>(mm-dd-yyyy) | Location of Change (section, paragraph no., step no., etc.) | Description of Change Made | Name of Person making the Change |
|------------------------------|-------------------------------------------------------------|----------------------------|----------------------------------|
| 2/22/2020                    |                                                             | Initial Submission         | JV                               |
|                              |                                                             |                            |                                  |
|                              |                                                             |                            |                                  |