

|                                                                                   |                       |               |       |           |                  |     |
|-----------------------------------------------------------------------------------|-----------------------|---------------|-------|-----------|------------------|-----|
|  | Doc or ECO #:         | ECO-73252-001 | Date: | 6/16/2023 | Author:          | JV  |
|                                                                                   | Rev. #:               | 001           |       |           |                  |     |
| Engineering Change Order (ECO)                                                    | Engineering Approval: | Aeg           | Date: | 6/22/2023 | Quality Approval | aeg |

|               |                   |                        |               |
|---------------|-------------------|------------------------|---------------|
| <b>P/N #:</b> | 73252             | <b>Effective Date:</b> | June 22, 2023 |
| <b>Title:</b> | MESR BOM REFACTOR |                        |               |

## 1.0 Purpose / Summary

NO CHANGE TO DELIVERED GOODS, REMOVING DUPLICATES FROM BOMS AND REORGANIZING BOM STRUCTURE TO MESR 20.1 MORE ACURATELY

## 2.0 Parts Affected

| Part Number | Notes                                                     | Removed                             | Added                               | Modified                            | REV |
|-------------|-----------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-----|
| 73252       | rev to capture changes                                    | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | C   |
| XE-009      | Removed from this tier, placed in 72847                   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | -   |
| 71655       | NON IP65 HC DUP REMOVED                                   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | -   |
| 71162       | Remove USBL from this tier; DUP                           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | -   |
| 72681       | IP65 HC REPACEMENT                                        | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | A   |
| 72040       | Added GS supervised autonomy license                      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | A   |
| 72271       | Added GS 1 year license and support                       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | A   |
| 74082       | 74082- IP65 20 AMP Power Cord Assembly (US)               | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | A   |
| 71746       | MSS ELCI Assembly Type B/USA                              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | A   |
| 73214       | 15 Amp to 20 Amp Plug Adapter 1' Cable with Warning Label | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | A   |
| 73394       | VISUAL DRAWING UPDATE, rev to capture                     | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | B   |
| 72847       | rev to capture, GA drawing / BOM sync                     | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | B   |
| 72681       | REMOVED HC FROM THIS TIER, DUP                            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | -   |
| XE-009      | Added visually to ga drawings (already in 72847 BOM)      | -                                   | -                                   | -                                   | -   |
| 73214       | 15 Amp to 20 Amp Plug Adapter 1' Cable With Warning Label | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |     |
| 52039       | Nuetrik ip65 cord termination connector male              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |     |
| 73424       | Remove packaging from BOM and GA                          | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | B   |

|                                                                                   |                       |               |       |           |                  |     |
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| <b>Engineering Change Order (ECO)</b>                                             | Engineering Approval: | Aeg           | Date: | 6/22/2023 | Quality Approval | aeg |

### 3.0 Detail

Reorganization of components to remove duplicate hand controllers and duplicate sunshades.

AC Power components moved from 72847 to top tier 73252 as well. The actual parts shipped have really not changed, just BOM structure and internal documents.

GA drawings have been updated to better capture all components of each assembly referenced.

Packaging material was taken out of visual GA ME drawings.

A master spread sheet will be created for packaging based off pelican case model. Some smaller items may be decided to not use their standard packaging but to box with other products in larger boxes. This is acceptable and the agreed understanding is that the spreadsheet is a guidebook not a law-binding procedure for packaging.

### 4.0 Disposition of Material

n/a

### 5.0 Action Items

| Action                                    | Department | Acknowledgement Initials |
|-------------------------------------------|------------|--------------------------|
| 73252 Epicor updates                      | ENGR       | MW                       |
| 73252 GA drawing updates                  | ENGR       | MW                       |
| 73394 GA drawing update                   | ENGR       | MW                       |
| 72847 GA drawing update                   | ENGR       | JV                       |
| 72847 Epicor updates                      | ENGR       | JV                       |
| 73424 GA drawing update                   | ENGR       | MW                       |
| Brady serial tag template for 72847 rev B | ENGR       | SL                       |
| Develop shipping material spreadsheet     | SHIP/RECV  | HB                       |

|                                                                                   |                       |               |       |           |                  |     |
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## 6.0 Modified / Referenced Documents:

| Document | Current Revision |
|----------|------------------|
| 73252    | C                |
| 73394    | B                |
| 72847    | B                |
| 73424    | B                |
| WI-72847 | B                |
| QC-72847 | B                |

## 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                               |
|                           |                                                             |                            |                                  |
|                           |                                                             |                            |                                  |