

|                                                                                   |                       |               |       |           |                  |     |
|-----------------------------------------------------------------------------------|-----------------------|---------------|-------|-----------|------------------|-----|
|  | Doc or ECO #:         | ECO-70663-001 | Date: | 6/20/2023 | Author:          | JV  |
|                                                                                   | Rev. #:               | 001           |       |           |                  |     |
| Engineering Change Order (ECO)                                                    | Engineering Approval: | aeg           | Date: | 6/22/2023 | Quality Approval | aeg |

|               |                         |                        |               |
|---------------|-------------------------|------------------------|---------------|
| <b>P/N #:</b> | 70663                   | <b>Effective Date:</b> | June 22, 2023 |
| <b>Title:</b> | Power supply HDX update |                        |               |

## 1.0 Purpose / Summary

70663 (stud) required grinding for proper fitment in the slotted rails of the power supply chassis. We are making a replacement using off the shelf hardware that simplifies the assembly process.

This affects both the standard OCC power supply assembly [70683] and the ACC 400 panel assembly [73193]

## 2.0 Parts Affected

| Part Number | Notes                   | Removed                             | Added                               | Modified                            | REV |
|-------------|-------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-----|
| 70683       | OCC 400v power supply   | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | C   |
| 70663       | Right angle weld stud   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | -   |
| 91831A007   | 6-32 nyloc nut          | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | -   |
| 70655       | XG5 module              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | -   |
| 74388       | 6-32 press fit stud pem | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | A   |
| 74387       | 6-32 nut 18-8 SS        | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | A   |
| 74079       | XGT module              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | A   |
|             |                         |                                     |                                     |                                     |     |
| 73193       | AC400 panel assembly    | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |     |
| 74388       | 6-32 press fit stud pem | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | A   |
| 74387       | 6-32 nut 18-8 SS        | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | A   |

## 3.0 Detail

70663 has been removed and replaced with 74388.

In order to proper utilize 74388, a nyloc could not be used, so it is replaced with a standard nut and thread locker.

## 4.0 Disposition of Material

No power supplies should be reworked for this, it is only an improvement for going forward to optimize production and simplicity in build.

Removal of 70663 from production hardware kits. Replace in kits with 74388 and add 74387 as well.

|                                                                                   |                       |               |       |           |                  |     |
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## 5.0 Action Items

| Action                               | Department | Acknowledgement Initials |
|--------------------------------------|------------|--------------------------|
| WI updates                           | ENG        | BM                       |
| EPCIOR updates                       | ENG        | JV                       |
| Hardware on production floor updated | PROD       | RM                       |

## 6.0 Modified / Referenced Documents:

| Document | Current Revision |
|----------|------------------|
| QC-70683 | C                |
|          |                  |
|          |                  |

## 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                       | JOE                              |
|                           |                                                             |                            |                                  |
|                           |                                                             |                            |                                  |