

|                                                                                   |                       |               |       |          |                  |     |
|-----------------------------------------------------------------------------------|-----------------------|---------------|-------|----------|------------------|-----|
|  | Doc or ECO #:         | ECO-70769-001 | Date: | 9/3/2020 | Author:          | MW  |
|                                                                                   | Rev. #:               | A             |       |          |                  |     |
| Engineering Change Order (ECO)                                                    | Engineering Approval: | aeg           | Date: | 9/3/2020 | Quality Approval | AEG |

|               |                                               |                        |                   |
|---------------|-----------------------------------------------|------------------------|-------------------|
| <b>P/N #:</b> | 70769                                         | <b>Effective Date:</b> | September 3, 2020 |
| <b>Title:</b> | MSS DEFENDER REAR TETHER MOUNT PLATE REDESIGN |                        |                   |

## 1.0 Purpose / Summary

The current rear tether mount plate mechanism makes it too difficult to release the tether strain relief. The mechanism was redesigned to make it easier.

## 2.0 Parts Affected

| Part Number | Notes                                     | Removed                             | Added                               | Modified                            | REV |
|-------------|-------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-----|
| 70745       | MSS Defender Frame Assembly               | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | D   |
| 70769       | Rear Tether Mount                         | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | B   |
| 70871       | SHCS M6 X 1 X 45MM 18-8 SS                | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | A   |
| 70869       | M6 Socket Head Screw Knob Black           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | A   |
| 72774       | Strain Relief Pin; Defender Tether Plate  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | A   |
| 72877       | PIN GUIDE; DEFENDER TETHER PLATE          | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | A   |
| 70982       | PLASTITE #8 x 1/2" 18-8 SS                | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | A   |
| 72878       | SLOTTED SPRING PIN; Ø3/32 X 1/2"; 18-8 SS | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | A   |
| 72879       | WAVE SPRING; 1/4" ID X 1/2" LONG; 35k     | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | A   |

## 3.0 Detail

Customers were complaining that unscrewing the m6 bolt in the rear tether mount plate was too hard during certain conditions. We redesigned that mechanism to be a pin that can be locked by pushing down and turning 90°.

The confusing center hole was also removed.

## 4.0 Disposition of Material

Use existing stock until depleted, unless at special request.

## 5.0 Action Items

| Action                             | Department | Acknowledgement Initials |
|------------------------------------|------------|--------------------------|
| Update dwgs and put in RTM, Epicor | ENG        | MW                       |

|                                                                                   |                       |               |       |          |                  |     |
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|                                |     |    |
|--------------------------------|-----|----|
| Put updated dwgs in Sharepoint | ENG | AG |
|--------------------------------|-----|----|

## 6.0 Modified / Referenced Documents:

| Document | Current Revision |
|----------|------------------|
| 70769    | A                |
| 70745    | B                |
| 70844    | E                |

## 7.0 Revision History

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

