

Field Technical Sheet**FTS 19-008**

1900 Airport Rd. • Monroe, NC

Contact: Prodmaint-automatic.na.entrance@assaabloy.com

Dated 9/9/19 Rev A

Product: VersaMax 2.0

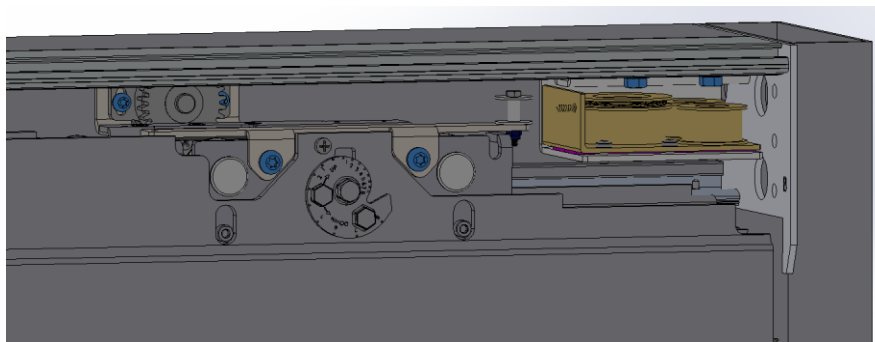
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ASSA ABLOY VersaMax 2.0 Self Closer Upgrade, Large Telescopic – 1019787

In our continuing effort to supply comprehensive information concerning our products, the following is being provided for VersaMax 2.0 product.

We are pleased to announce that we have upgraded the VersaMax 2.0 Self-Closer options to include springs with adjustable force, quieter operation, and added cable clips for easy service. Each upgraded self-closer spring now includes a method to adjust the spring preload which provides field technicians better control over the door while closing. The addition of a cable clip on the door attachment point makes routine door maintenance simpler.

This document is applicable for ASSA ABLOY VersaMax 2.0 Telescopic Single Slide (3-Panel) packages with OFW > 120".



- 1. Disconnect existing spring closer cable from dampener assembly on AL1**
- 2. Remove existing spring closer**
 - a. Remove 2X M6 flange head bolts.
 - i. *Leave existing square nuts in header they will be re-used.*
- 3. Remove existing bracket on AL1**
 - a. Remove 2X M6 torx screws
- 4. Remove existing dampener from AL2**
 - a. Be sure to leave the brackets attached to AL2, they will be re-used with the new dampener
 - b. Remove 2X M5 torx screws
- 5. Install spring mounting bracket to spring per existing door package handing**
 - a. Remove 4X short screws provided in the new spring and discard.
 - b. Install new bracket with 4X longer screws from hardware kit per door handing.
 - i. *You will re-use the existing square nuts already present in the header.*

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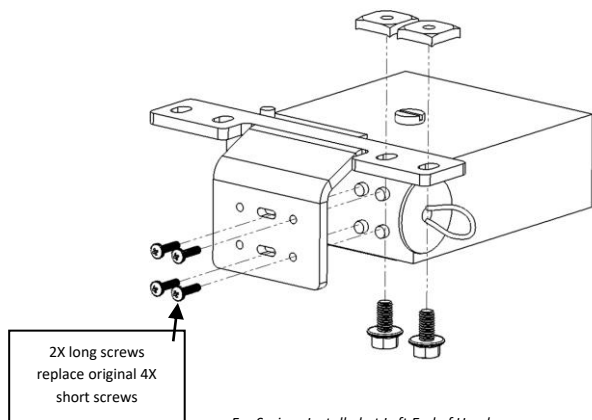
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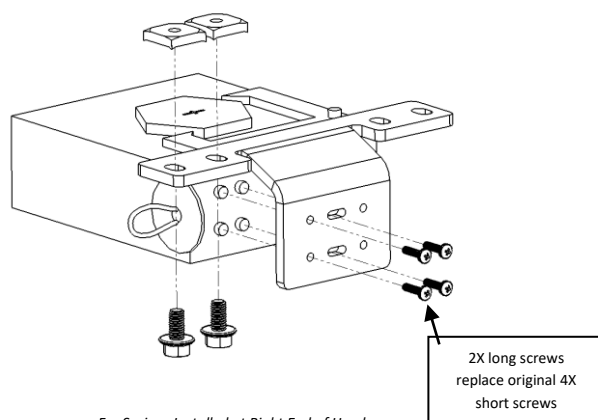
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For Springs Installed at Left End of Header



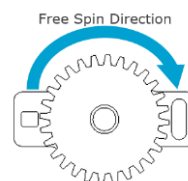
For Springs Installed at Right End of Header

6. Assemble the AL1 dampener and bracket

- a. Confirm the new dampener free spin direction matches the previously removed dampener.
 - i. If dampener free spin direction does not match needed direction see troubleshooting guide at the end of the document for reversing the dampener.



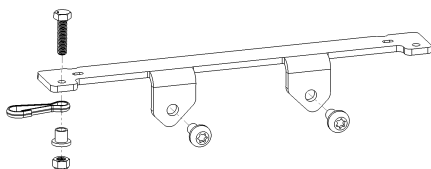
For Springs Installed at Left End of Header



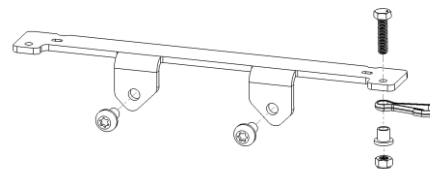
For Springs Installed at Right End of Header

- b. Install spring attachment post to bracket as shown below per door package handing.

- i. Ensure that the plastic isolator passes through the metal clip when installed. This provides noise isolation and prevents wear.
- ii. Ensure that when attachment post is tight the lock nut is tight to the top of the bracket. This may take two wrenches.



For Springs Installed at Left End of Header



For Springs Installed at Right End of Header

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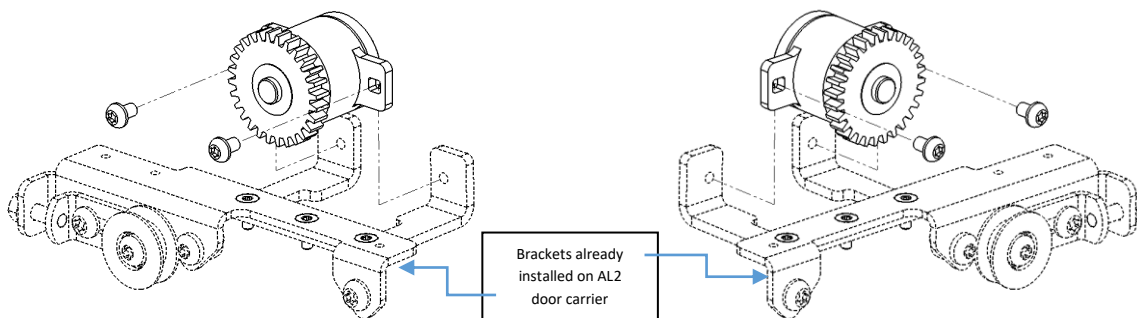
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- c. Install dampener to bracket as shown below per door package handling.

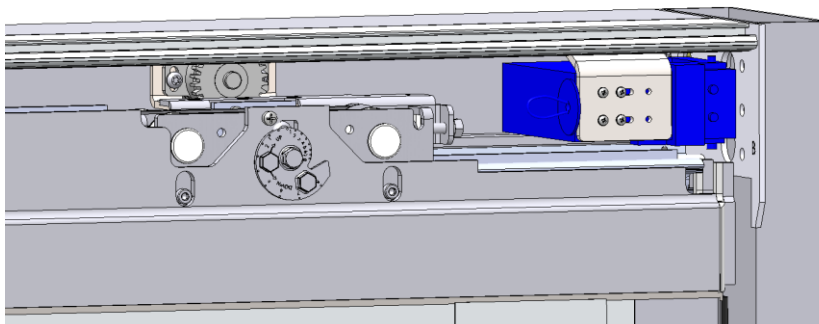


For Springs Installed at Left End of Header

For Springs Installed at Right End of Header

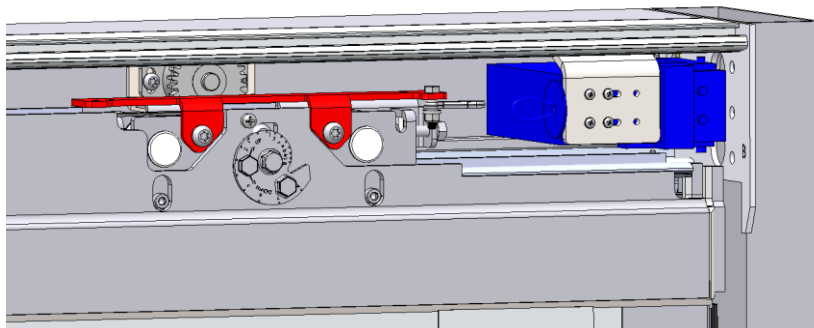
7. Install new spring motor assembly to header

- Use existing square nuts and new longer flange head bolts provided in the kit.
- Initially push the spring assembly into the header as deep as possible.



8. Install new bracket assembly on AL1 NOSE wheel carrier.

- Use new M6 torx hardware to attach bracket assembly



9. Attach spring motor cable to the clip on the dampener assembly bracket

10. Adjustments and Final Inspection

- Adjustments the spring force and/or dampener strength will allow full control of the door while closing.
- Adjust the dampener to ensure proper mesh with track in header.
- Check for cable clearances at MAX and MIN travel to ensure the cable is not rubbing on spring housing.

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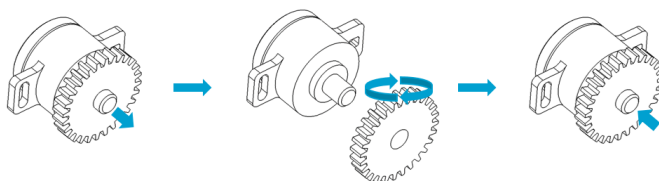
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Troubleshooting and Tips**1. Reversing Dampener Free Spin Direction**

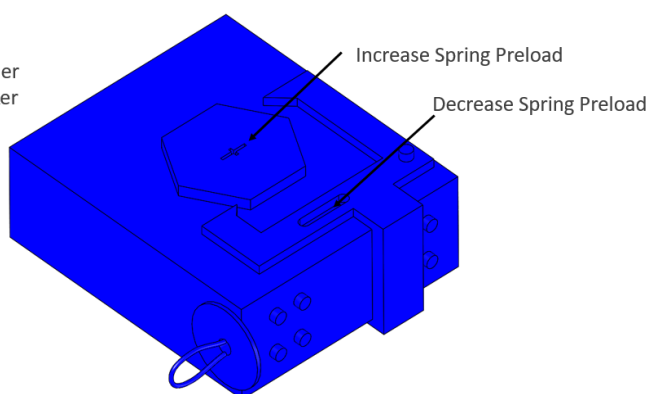
- Remove gear retaining clip
- Flip gear 180 degrees making sure 1X washer remains on each side.
- Reinstall gear on the dampener shaft
- Reinstall gear retaining clip
- Confirm free spin direction is now correct for application

**2. Adjust dampener to control door speed while closing**

- Use the dial on the back side of the dampener to adjust the closing speed of the door.

**3. Adjust spring force to ensure door closing repeatability**

- Large Spring Adjustments:
- 4 Full Revolutions Stronger
 - 4 Full Revolutions Weaker



- Use a large flat blade screw driver to rotate adjust the spring preload.
 - Adjustment range is 4 full revolutions stronger to 4 full revolutions weaker
 - To keep track of adjustment settings the installer can mark the spring with "+4" to a "-4". This could help when servicing the door later.