6390 Power-LOAD Post-Crash Inspection Instructions

Kit contents (6390-700-022)

- (4) Flat head cap screw (0001-194-0 00)
- (1) Socket head cap screw (0004-658-000)
- (8) Socket head cap screw (0004-662-000)
- (1) Instruction sheet (6390-009-037)
- (1) Trolley magnet activator (6390-001-1 06)
- (4) Attachment bracket retainer (6390-001-110)
- (4) Mounting post - anchor (6390-001-150)

Tools required

- T25 Torx driver
- 5/32" hex wrench
- 3/16" hex wrench
- 3/8" hex wrench
- 1/4" hex wrench
- Torque wrench
- Tape measure
- Camera
- Straight edge
- 1/8" hex wrench

Procedure

1. Remove the product from the vehicle to perform the inspection.

   Note: Make sure that you inspect the product for general damage (such as misalignment, broken or missing parts, cracks, and loose fasteners) as you perform the inspection.
2. Using a T25 Torx driver and a 5/32" hex wrench, remove the transfer foot end wear pad and trolley magnet activator. Discard the trolley magnet activator and its screw (Figure 1 on page 1). Use the supplied trolley magnet activator (6390-001-106) and socket head cap screw (0004-658-000) during reinstallation.
3. Using a 3/16" hex wrench, remove the transfer head end dead stops. Discard the dead stop screws. Inspect the dead stops for cracks (Figure 2 on page 1). Use the supplied socket head cap screws (0004-662-000) during reinstallation.

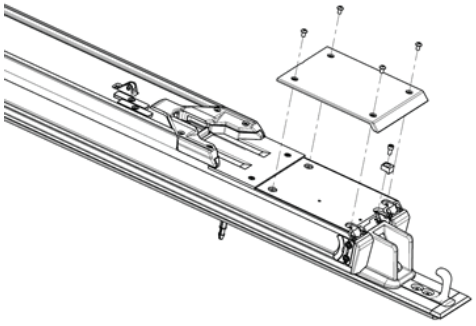


Figure 1:

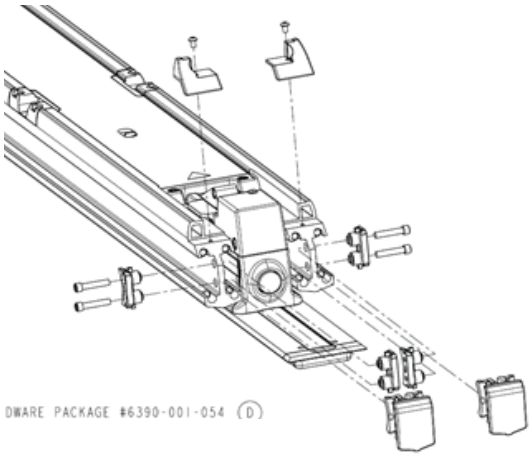


Figure 2:

4. Remove the transfer assembly from the anchor and trolley; set aside for inspection.
5. To remove the trolley assembly:

⚠ WARNING

Always use two installers when you lift and position the transfer and trolley assembly to avoid the risk of injury.

a. Carefully lift the trolley assembly by its arm and wing. Do not lift the trolley by the manual cot release handles. Lift only where indicated. Installer 1, position hands at A1 and A2. Installer 2, position hands at B1 and B2 (Figure 3 on page 2).

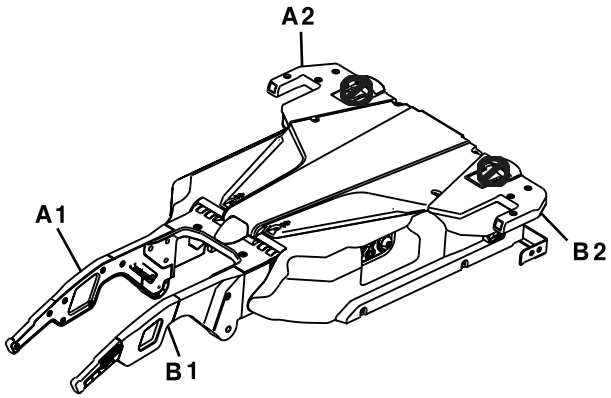


Figure 3:

b. Remove the trolley and set aside for inspection (Figure 4 on page 2).

6. Using a 3/8" hex wrench, remove the four fasteners from the anchor. Discard the fasteners. Disconnect the anchor to vehicle cable and remove the anchor from the vehicle; set aside for inspection (Figure 5 on page 2). Use the supplied mounting post-anchors (6390-001-150) during reinstallation.
7. Remove the trolley top and side covers (Figure 4 on page 2).

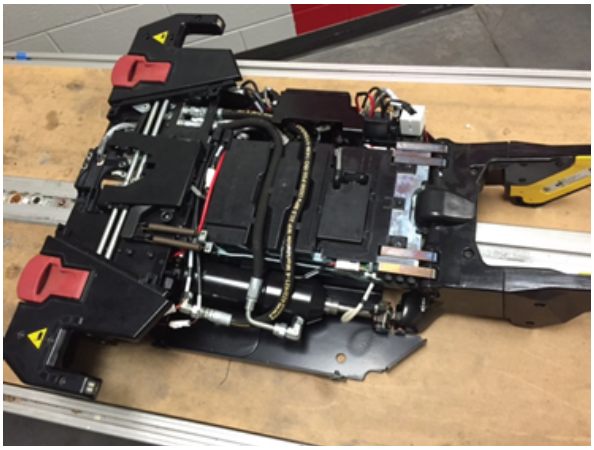


Figure 4:

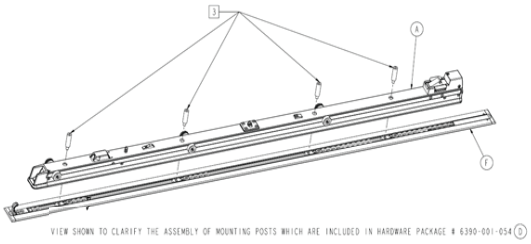


Figure 5:

8. Make sure that all of the rollers roll freely without wobble (Figure 6 on page 3). Using a torque wrench and a 1/4" hex wrench, make sure that the roller torque is 235-317 in-lb.

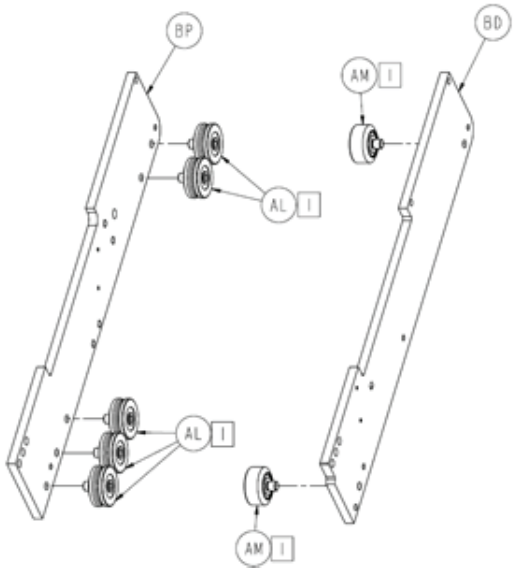


Figure 6:

9. Make sure that the rod end assembly moves freely as the arms are raised and lowered.
10. Inspect the rod end assembly, and its attachment to the lift arms, for cracks or damage (Figure 7 on page 3).
11. Raise and lower the lift arms and make sure that they move freely.
12. Inspect the attachment of the arms to hinge plates for damage or misalignment (Figure 8 on page 3).

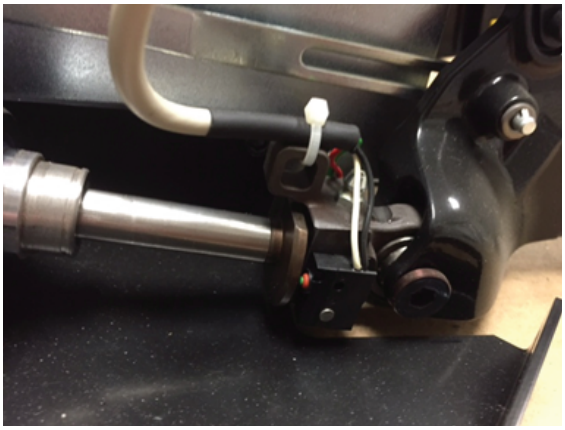


Figure 7:

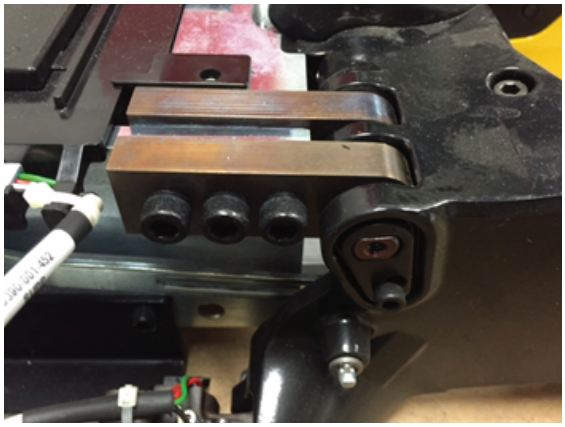


Figure 8:

13. Inspect the trolley side plates for cracks or damage (Figure 9 and Figure 10 on page 4).
14. Measure the distance between the two plates on the top and bottom of the trolley; the two measurements should be within 1/16". A cracked side plate, or if the difference is greater than 1/16", indicates that the product has been in a major crash.

Figure 9:

Figure 10:

15. Inspect the trolley Eberhard latches and their fasteners. Latch and release the latches to make sure that they function properly (Figure 11 and Figure 12 on page 4).

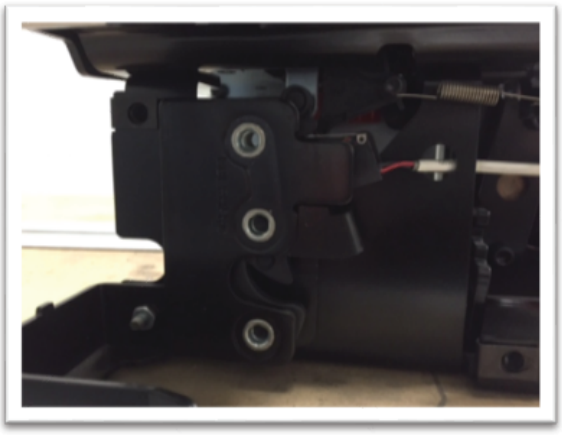


Figure 11:

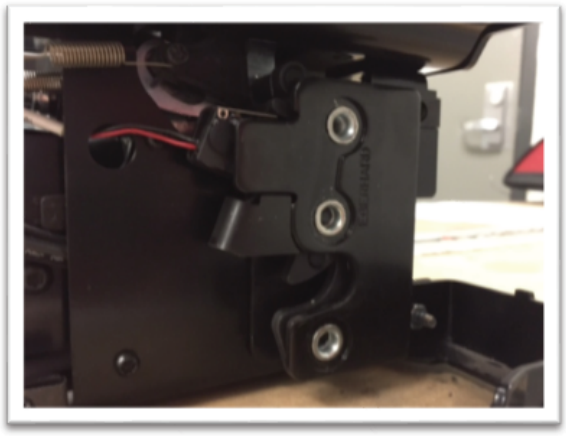


Figure 12:

16. Make sure that the load wheel horn guide blocks are present and undamaged (Figure 13 and Figure 14 on page 5).

Figure 13:

Figure 14:

17. Remove the dead stops from the foot end of the transfer and discard the screws. Use the supplied socket head cap screws (0004-662-000) during reinstallation.
18. Inspect the ends of the transfer extrusion (Figure 15 on page 5). Cracks or deformation of the transfer extrusion at the dead stops indicates that the product has been in a major crash.

    Note: A straight edge can be helpful in determining if the transfer is deformed.

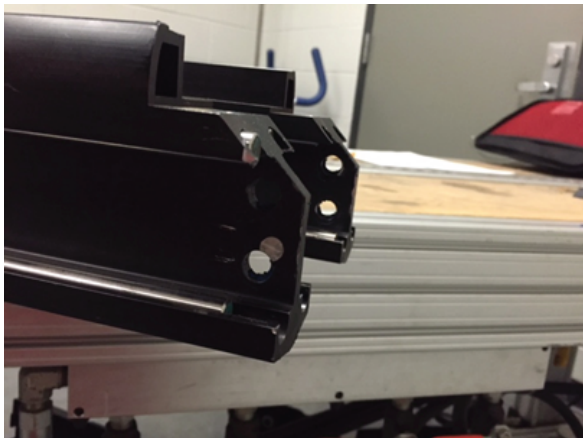


Figure 15:

19. Inspect the foot end fastener and the foot end fastener hook for cracks or deformation. Press the hook **down** button and make sure that it returns to the locked position.
20. Make sure that all of the rollers roll freely without wobble (Figure 16 on page 6). Using a torque wrench and a 1/4" hex wrench, make sure that the roller torque is 235-317 in-lb.
21. Inspect the pawl mechanism at the head end of the anchor (Figure 17 on page 6). Make sure that the pawl moves freely and returns to its original position after being pressed down.
22. Check the retainer wings for damage. Pull on the entire assembly to make sure that it is tight.

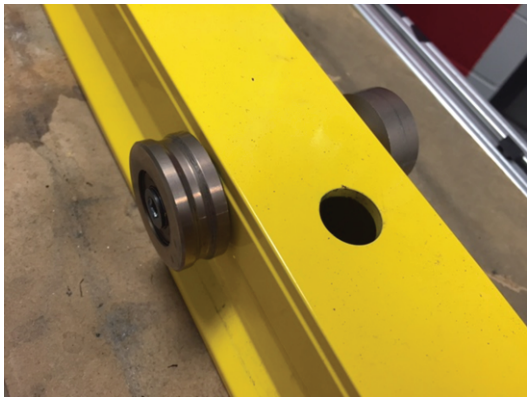


Figure 16:

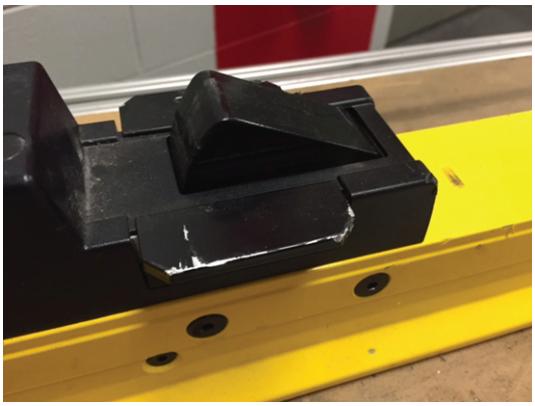


Figure 17:

23. Inspect the bottom of the anchor extrusion for cracks or tearing (Figure 18 on page 6). Minor deformation around the bolt holes is normal, but cracks or tearing indicate that the product has been in a major crash.
24. Examine the floor plate extrusion for damage at the cleat locations (Figure 19 on page 6).

Figure 18:

Figure 19:

25. Inspect the cleat locators for damage (Figure 20 on page 7).
26. Using a 1/8" hex wrench, remove each cleat and inspect for cracks or damage (Figure 21 on page 7). Discard the locators and screws. Use the supplied attachment bracket retainer (6390-001-110) and the flat head cap screws (0001-194-000) during reinstallation.

Figure 20:

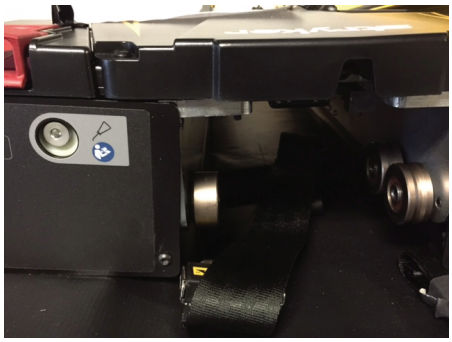
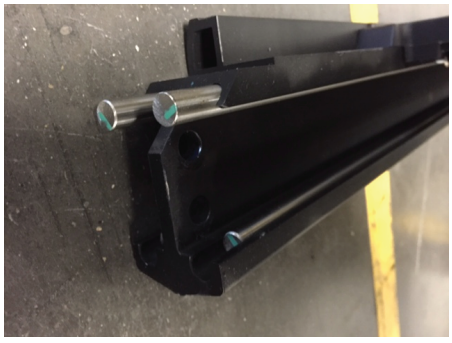
Figure 21:

27. Make sure that the trolley rollers do not rub on the transfer extrusion.
28. Reverse steps to reinstall.
29. Verify proper operation of the product before returning it to service. Follow all preventative maintenance procedures and the installation checklist in the operations manual.
30. Complete the attached report and send to ambulanceaccidents@stryker.com. Make sure that you include all requested pictures.

6390 Power-LOAD Post-Crash Inspection Report

Inspector:	Inspection Date:
Service Report Number:	Fastener Configuration: Standard **Power-LOAD** configuration
Fastener Serial Number: **Note:** Send a picture of your product's serial number with this report (Figure 22 on page 8).	 **Figure 22: Serial Number Example Picture**

Crash Event Details:

Crash Damage Indicators - inspect the following parts for damage	
Bent Trolley Frame • Measure the distance between the trolley side plates at the top and bottom. If the measurements are different by more than 1/16", the trolley is deformed. This is more likely to occur after a side crash. **Note:** Send a picture of the trolley frame with this report (Figure 23 on page 8).	 **Figure 23: Trolley Frame Example Picture**
Comments:	
Deformed Transfer Extrusion • Pay attention to the ends of the extrusion. Remove the dead stops from the transfer for this inspection. Minor dings and scratches at the edge are acceptable; bending or cracking of the main vertical segments is considered deformation. This is more likely to occur after a front crash. **Note:** Send a picture of the transfer extrusion with this report (Figure 24 on page 8).	 **Figure 24: Transfer Extrusion Example Picture**

Comments:

Damaged Anchor Extrusion

- Check the bottom of the anchor extrusion for damage to the mounting holes. Minor damage can occur when the system is bolted to the floorplate; any cracks or puckered areas around the mounting holes is considered damage.

Note: Send a picture of the anchor extrusion with this report (Figure 25 on page 9).

Figure 25: Anchor Extrusion Example Picture

Comments:

Other damage (exclude normal wear):

Note: Make sure that you record any damage that was found while performing the inspection procedures. Please complete an additional service report for the repair of these items. Include the service report number in the space below.

□ Check the box if the other damage described indicates that the product should be recommended for removal from service.

Note: If any of the damage indicators are present, Stryker will recommend that the product is removed from service.