

CERTAIN 2016 F-150 AND EXPLORER VEHICLES EQUIPPED WITH POWER SEATS — SEAT TRACK PIVOT LINK BOLT INSPECTION AND REPAIR

OVERVIEW

In some of the affected vehicles, the seat track pivot link bolt for the front power seat may loosen and/or fall out. A front seat cushion with a missing seat track pivot link bolt may experience increased movement in a crash and may not properly restrain occupants, increasing the risk of injury.

NEW ! SERVICE PROCEDURE

Recommended Tool List:

General Tools	General Equipment
6" (152 mm) Flat Blade Screwdriver	Work Light
Small Needle Nose Pliers	
1/4" Ratchet	
1/4" Power Ratchet	
1/4" Torque Wrench	
1/4" drive T-20 Torx™ bit	
1/4" drive stubby T-45 Torx™ bit	

NOTE: This procedure applies to front power seats only. Manual seats are not applicable to this service action.

NEW ! SEAT TRACK PIVOT LINK BOLT TORQUE INSPECTION

1. *Check warranty history on the vehicle.*

Did the vehicle previously fail the pivot link torque inspection and/or have the interim repair completed on one or more seats under this recall?

Yes - Proceed to the Pivot Link Replacement Procedure on Page 5 for the seat or seats that previously failed the torque inspection and/or had the interim repair completed.

No - Proceed to step 2.



2. Is the vehicle equipped with a power passenger seat?

Yes - Perform the following procedure on both the driver and passenger seat.

No - Perform the following procedure on only the drivers seat.

NOTE: The affected seat track pivot link will be located on the outboard side of the drivers seat, and the inboard side for the passenger seat. See Figure 1.

NOTE: Center console is removed for clarity.

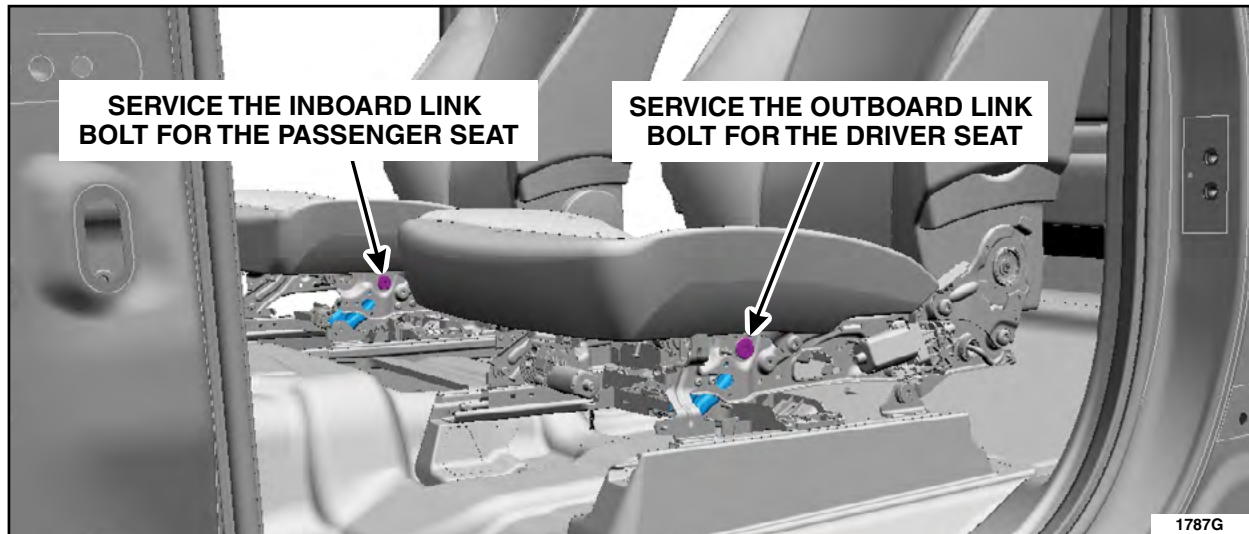


FIGURE 1

3. Position the seat to the highest position, then lower the seat approximately 1 in (25 mm).

4. Remove the side shield from the driver seat. Please follow the Workshop Manual (WSM) procedures in Section 501-10A - Front Seat Control Switch.

NOTE: It is not necessary to remove the side shield on the passenger seat since the bolt that is being serviced is located on the inboard side of the seat frame.

NOTE: It is not necessary to remove the seat control knobs or seat control switches from the side shield.



NOTE: This procedure should be performed with the seat installed in the vehicle. The use of a 1/4" drive stubby T-45 Torx™ bit makes removal and installation of the passenger side pivot link fasteners significantly easier.

5. Check the upper pivot link bolt break-away torque. Using a torque wrench set to 10 Nm (7 ft-lb), attempt to loosen the seat track upper pivot link bolt. See Figure 1.

NOTE: If the seat track pivot link bolt is missing, proceed to the Pivot Link Replacement Procedure on Page 5.

- Did the torque wrench activate before the bolt or bolts started to loosen?

Yes - Proceed to Step 6.

No - Proceed to the Pivot Link Replacement Procedure on Page 5 for the seat or seats the torque wrench does not activate on before the bolt starts to move.

6. Remove the seat track upper pivot link bolt. See Figures 1 and 2.

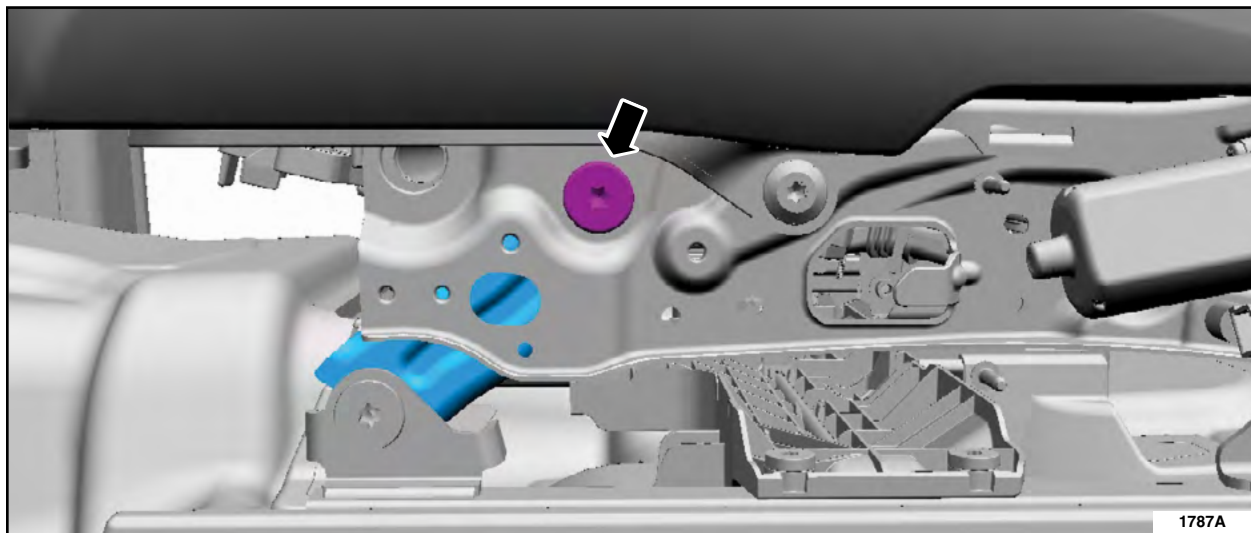


FIGURE 2



7. Inspect the seat track upper pivot link bolt bushing for signs of wear or damage. See Figure 3.

- Is wear or damage present?

Yes - Proceed to the Pivot Link Replacement Procedure on Page 5.

No - Proceed to Step 8.

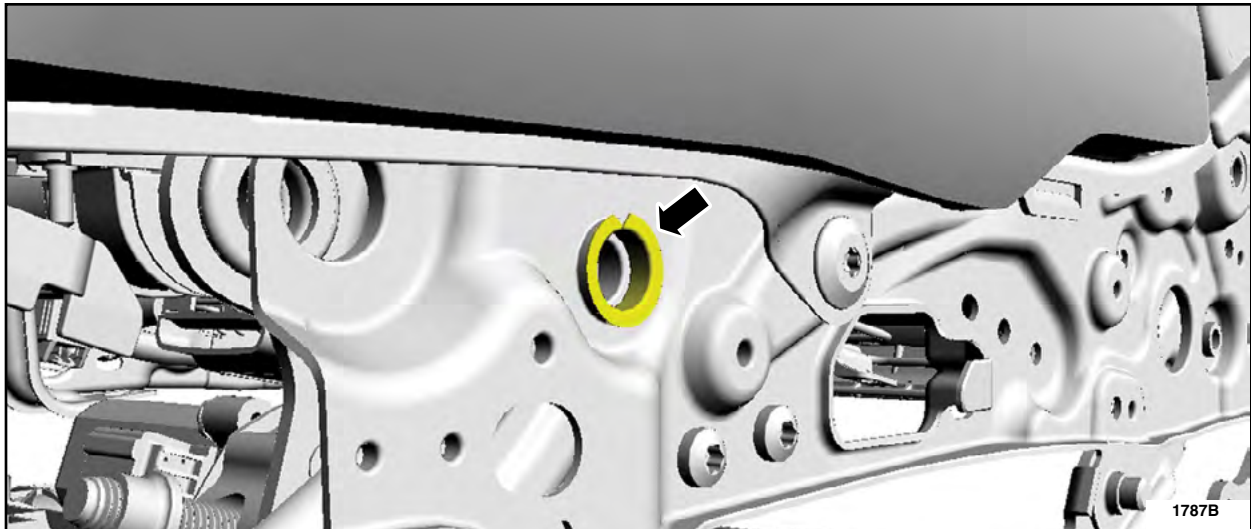


FIGURE 3

8. Using a wire brush, remove any remaining threadlocker from the pivot link bolt threads.
9. Apply Motorcraft® TA-26 Threadlocker or equivalent to the pivot link bolt threads.
10. Align the pivot link to seat track holes, reinstall the seat track pivot link bolt and torque to 22 Nm (16 ft-lb). To assist in starting the bolt, wiggle the seat cushion frame by hand until the bolt can be started.

NOTE: Proper alignment of the pivot link and seat frame components is crucial to allow the shoulder of the bolt to be inserted far enough into the bushing so the threads of bolt can thread into the seat frame.

11. Reinstall the driver seat side shield. Please follow the WSM procedures in Section 501-10A - Front Seat Control Switch.



NEW ! PIVOT LINK REPLACEMENT PROCEDURE

To view a video demonstration of this repair procedure, click the video icon. 

NOTE: This procedure should be performed with the seat installed in the vehicle. The use of a 1/4" drive stubby T-45 Torx™ bit makes removal and installation of the passenger side pivot link fasteners significantly easier.

1. Remove the seat track pivot link bolts and pivot link. See Figure 4.

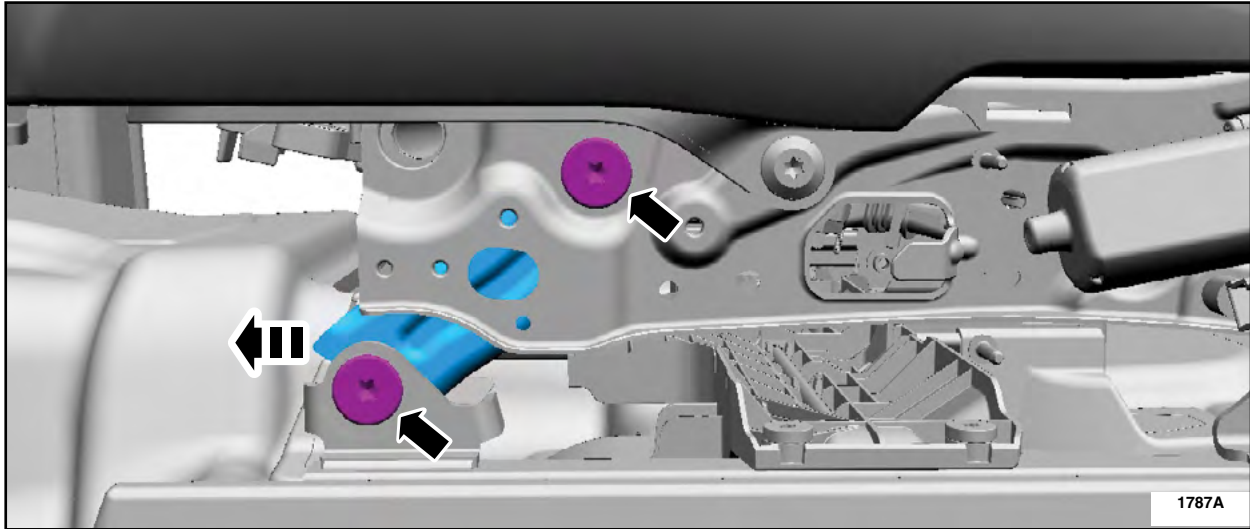


FIGURE 4

2. Remove the upper pivot link bushing. See Figure 5.

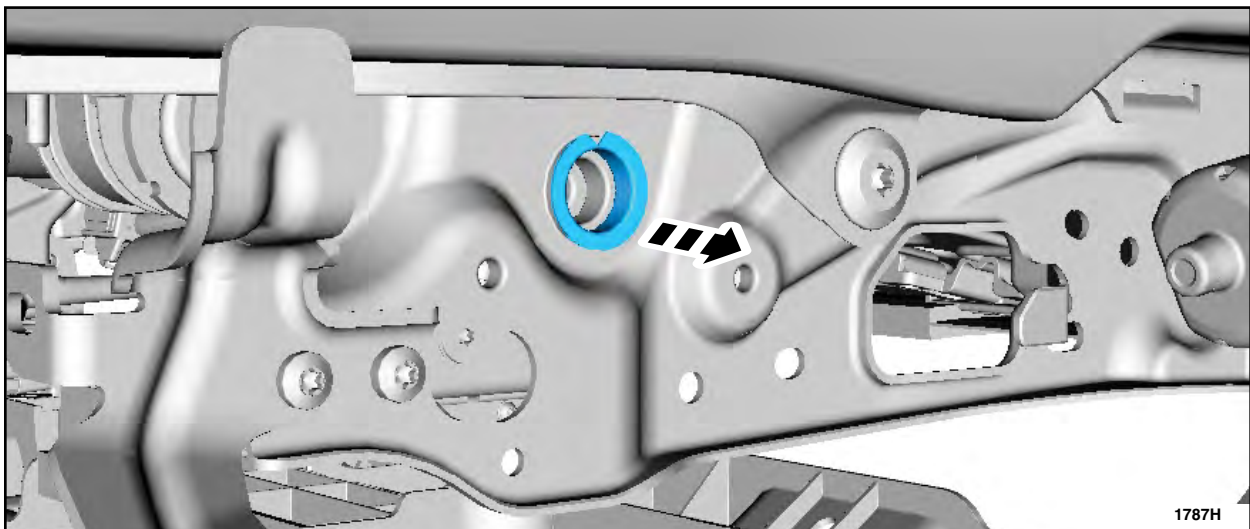


FIGURE 5



3. *Install the new upper pivot link bushing. See Figure 5.*

4. *Install the new pivot link. See Figure 4.*

5. Apply Motorcraft® TA-26 Threadlocker or equivalent to the upper pivot link bolt threads.

6. *Install the new pivot link bolts.*

- *Torque the upper bolt to 22 Nm (16 ft-lb).*
- *Torque the lower bolt to 28 Nm (21 ft-lb).*

NOTE: *Proper alignment of the pivot link and seat frame components is crucial to allow the shoulder of the bolt to be inserted far enough into the bushing so the threads of the bolt can be threaded into the seat frame. To assist in starting the bolt, wiggle the seat cushion by hand until the bolt shoulder can be inserted far enough into the seat frame to start the bolt.*

7. Reinstall the driver seat side shield, following the front seat control switch procedure. Please follow the WSM procedures in Section 501-10A.

