



Applies To: **2009 TL – ALL**
2010 TL 2WD – From VIN 19UUA8F..AA000001 thru 19UUA8F..AA000060
2010 TL SH-AWD – From VIN 19UUA9F..AA000001 thru 19UUA9F..AA000026

January 20, 2012

Driver's Power Seat Feels Loose

SYMPTOM

The driver's power seat feels loose or rocks.

PROBABLE CAUSE

There is too much clearance between the saddle bracket and the slide motor in the seat rail assembly.

CORRECTIVE ACTION

Replace the driver's seat rail assembly and the height bolts.

PARTS INFORMATION

Driver's Seat Rail Assembly:
P/N 81610-TK4-L03

TORX Bolts (T30) (four required):
P/N 81611-TL0-G22

TOOL INFORMATION

KTC Trim Tool Set: T/N SOJATP2014

WARRANTY CLAIM INFORMATION

The normal warranty applies.

Operation Number: 8511H8

Flat Rate Time: 0.6 hour

Failed Part: P/N 81610-TK4-L01

Defect Code: 03217

Symptom Code: 03220

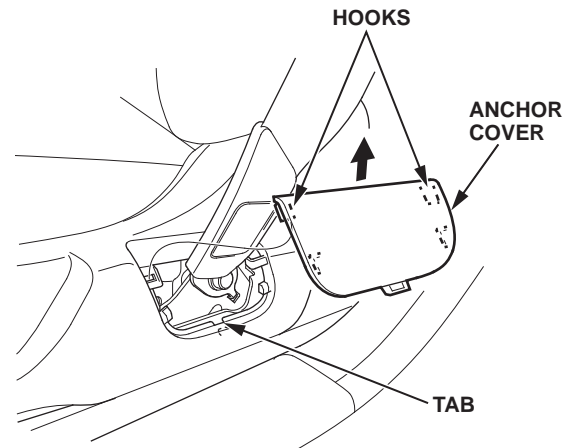
Skill Level: Repair Technician

REPAIR PROCEDURE

NOTE:

- Before you begin, make sure you know the SRS component locations, and that you read and understand the SRS precautions and procedures explained in the service manual.
- Use the appropriate tool from the KTC trim tool set to avoid damage when removing parts.
- This procedure is in an outline form that you can also use as a checklist for the repair. If you need more details on the item below, bookmark it in the *2009–2011 TL Service Manual*, or view it online.
 - Battery Disconnection/Reconnection

1. Adjust the steering wheel all the way up and all the way in.
2. Remove the driver's head restraint.
3. Slide the driver's seat all the way forward. Carefully pry up on the bottom of the anchor cover using the appropriate trim tool to release the hooks and tab.

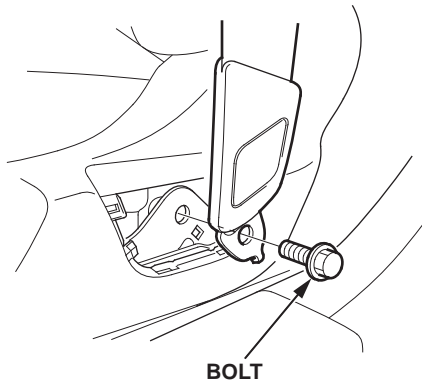


4. Lower the driver's seat bottom cushion to its lowest position.



Adjust the seat bottom cushion fully down.

5. Remove the seat belt lower anchor bolt.

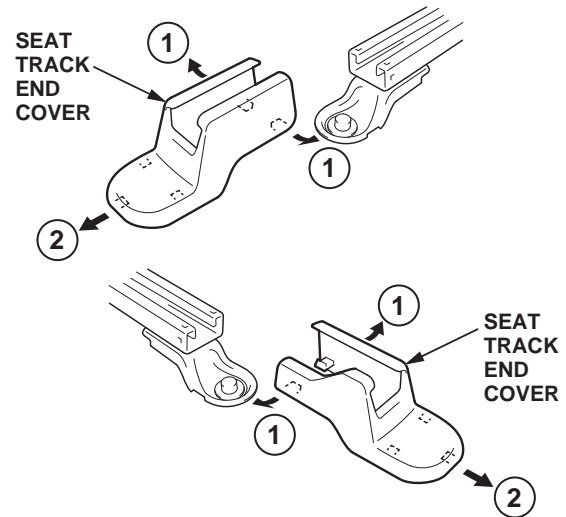


6. Adjust the driver's seat bottom cushion to its highest position.

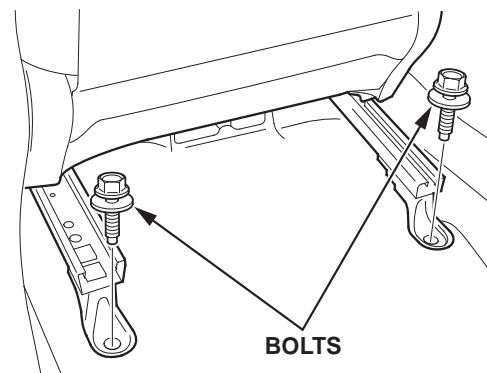


Adjust the seat fully up.

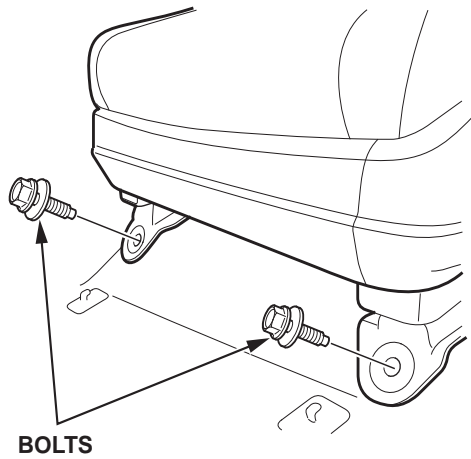
7. Remove the end covers from the back of both driver's seat tracks.



8. Remove the seat mounting bolts from the rear.



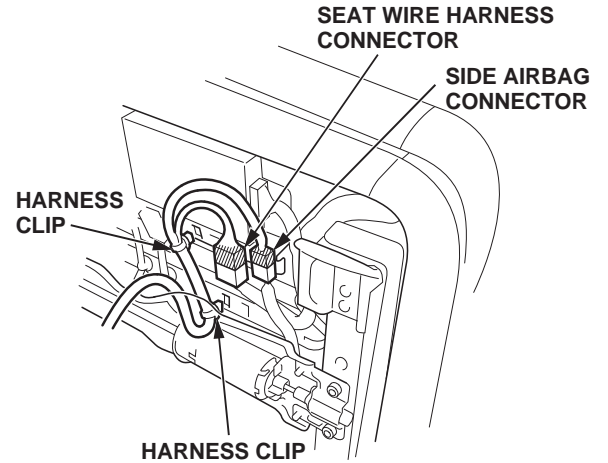
9. Slide the driver's seat all the way back, and remove the seat mounting bolts from the front.



10. Do the battery terminal disconnection procedure, then wait at least 3 minutes before removing the seat.

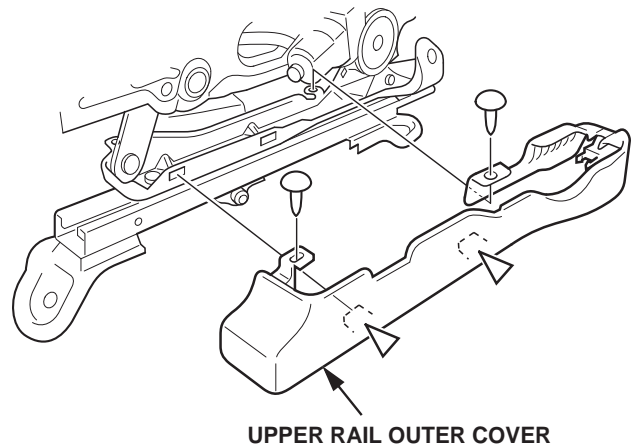
NOTE: Make sure the seat bottom cushion is raised to its highest position in order to access the seat adjuster assembly TORX bolts later in this procedure.

11. Lift up the front of the seat, then detach the harness clips. Disconnect the seat wire harness connector and the side airbag connector.

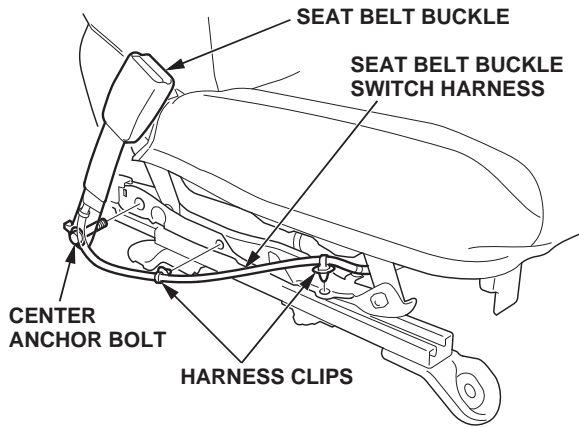


12. With the help of an assistant, carefully remove the driver's seat through the front door opening.

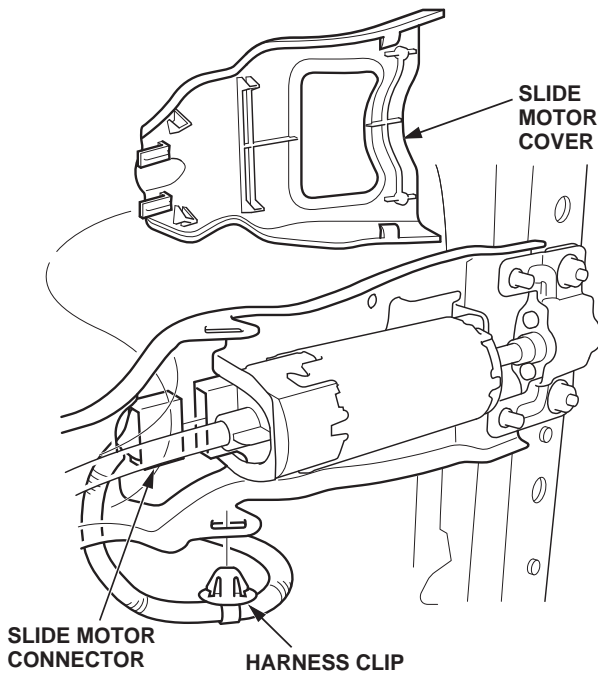
13. Remove the upper rail outer cover.



14. Remove the driver's seat belt buckle center anchor bolt, then remove the buckle. Detach the three harness clips.

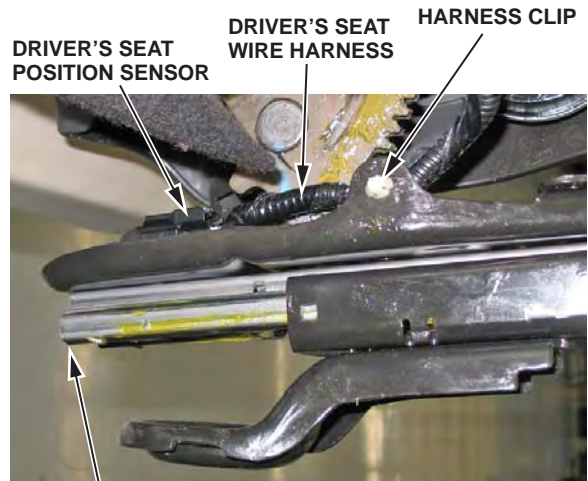


15. Remove the slide motor cover.



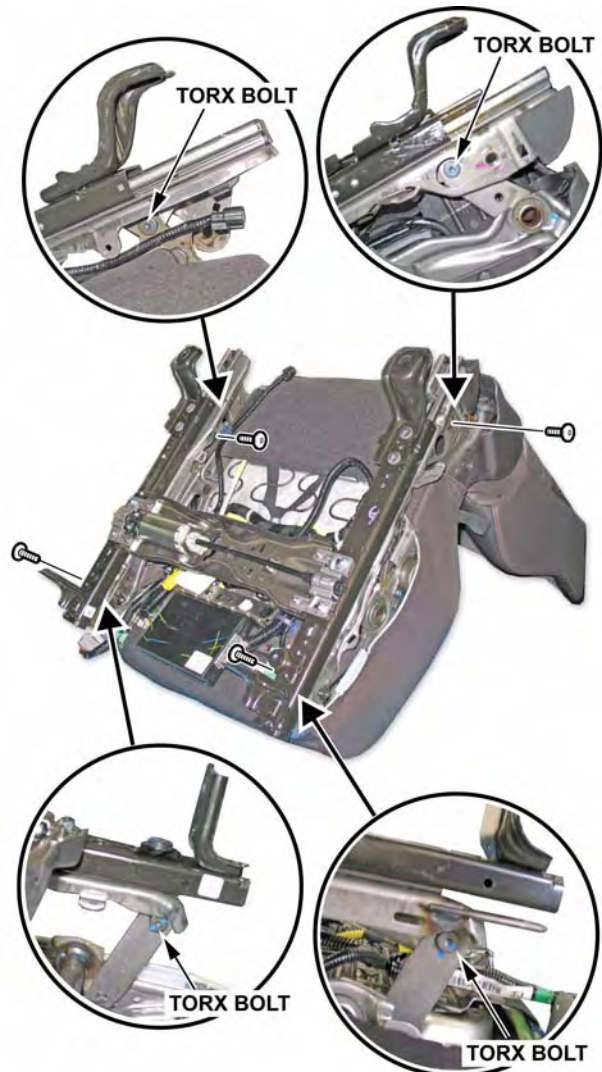
16. Disconnect the slide motor connector and harness clip.

17. At the left rear corner of the seat assembly, disconnect the driver's seat position sensor connector, and detach the harness clip.



LEFT REAR CORNER OF THE SEAT ASSEMBLY

18. Remove the TORX bolts from each corner of the seat rail assembly. Discard the bolts.



19. Remove the seat rail assembly from the seat, and lay it on a clean flat surface.

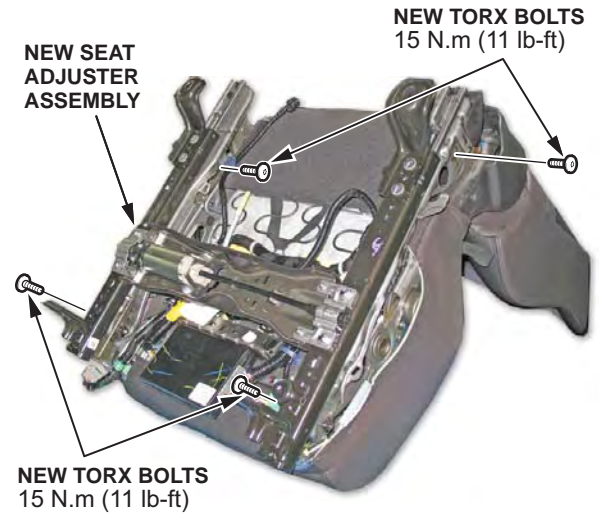


20. Remove the right rear seat track end cover from the old seat rail assembly, and install it on the new one

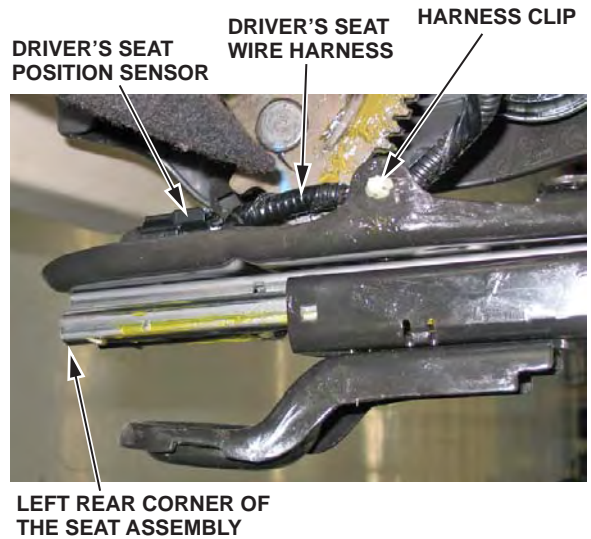


RIGHT REAR SEAT TRACK END COVER
(Install to the new assembly.)

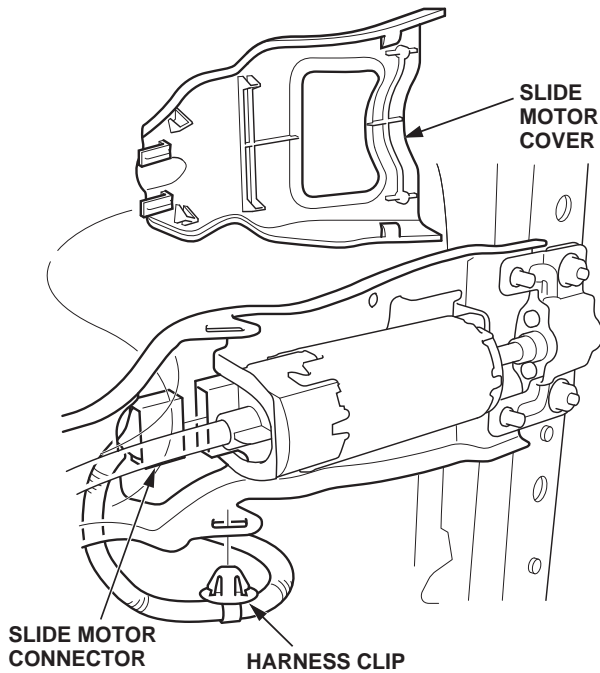
21. Loosely install the new seat rail assembly onto the seat with four new TORX bolts, then torque the bolts to **15 N·m (11 lb-ft)**



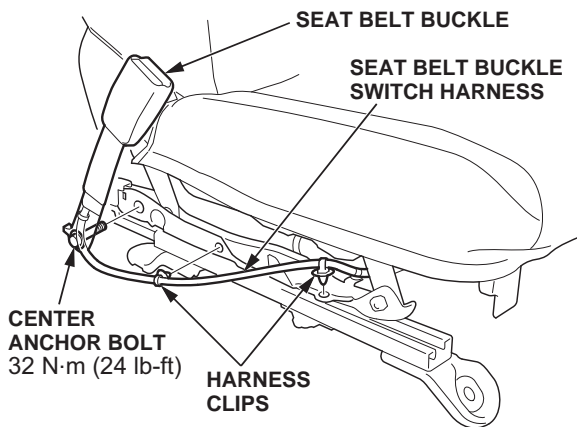
22. Reconnect the driver's seat wire harness 2P connector to the driver's seat position sensor, then attach the harness clip.



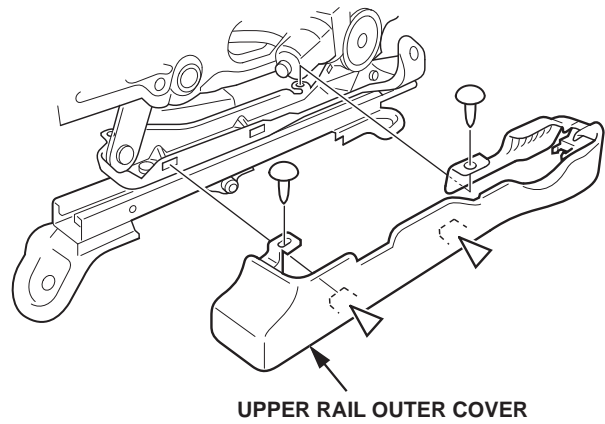
23. Reconnect the slide motor connector, and attach the harness clip.



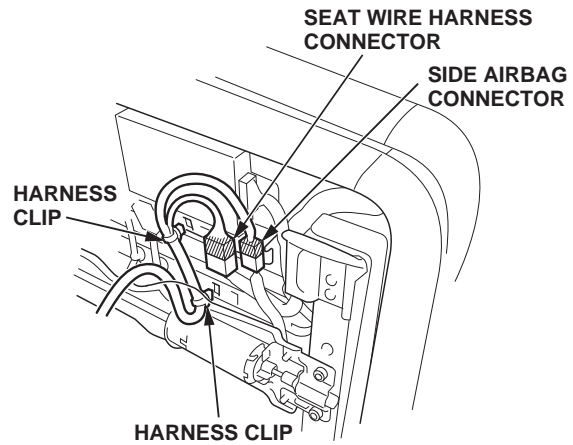
24. Reinstall the slide motor cover.
25. Reattach the seat belt buckle switch harness clips.
26. Reattach the seat belt buckle, and torque the center anchor bolt to **32 N·m (24 lb-ft)**.



27. Reinstall the upper rail outer cover.



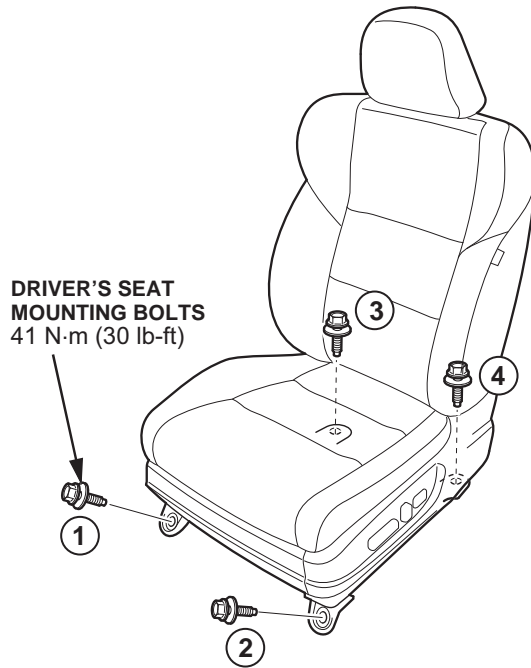
28. With the help of an assistant, carefully reinstall the driver's seat into the vehicle. Do not install the bolts yet.
29. Reinstall the head restraint.
30. Reconnect the side airbag connector, the seat wire harness connector, and the harness clips.



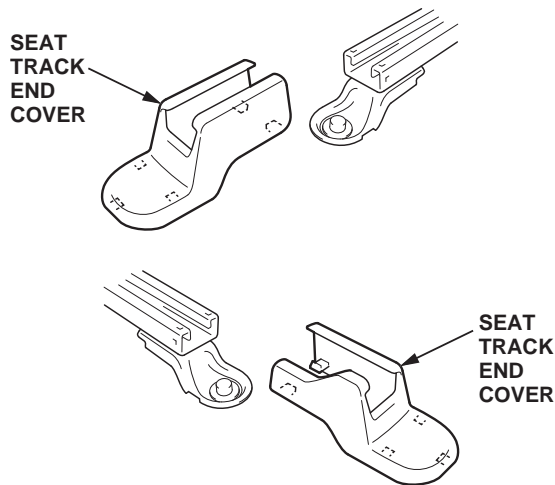
31. Do the battery terminal reconnection procedure.

32. Install the driver's seat mounting bolts, and torque them in the sequence shown to **41 N·m (30 lb-ft)**.

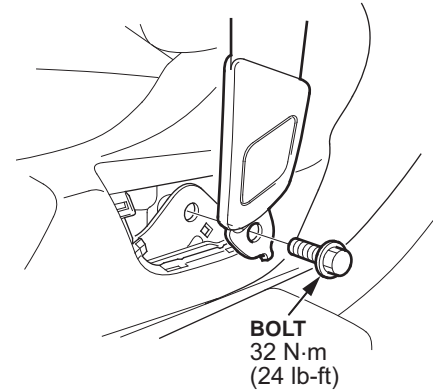
NOTE: Slide the seat all the way back and install 1 & 2 by hand, then slide the seat forward and install 3 & 4 by hand first, then tighten to the specified torque using the same order.



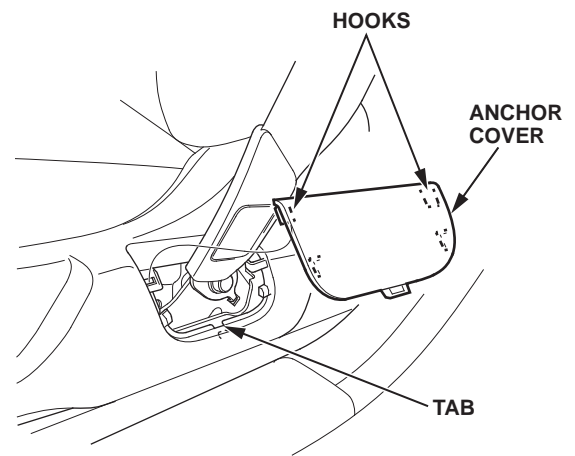
33. Reinstall the seat track end covers.



34. Lower the driver's seat bottom cushion all the way down, then install the seat belt lower anchor bolt, and torque it to **32 N·m (24 lb-ft)**.



35. Install the anchor cover.



36. Clear any DTCs that may have been set during your repair.

37. Make sure the driver's seat is not loose and does not rock.