

October 27, 2017

06750 Version 1

Clicking from the Driver Power Seat While Using the Height or Tilt Adjustment

AFFECTED VEHICLES

Year	Model	Trim	VIN Range
2013–17	Accord	All except LX	ALL

SYMPTOM

When adjusting the height or tilt, the driver's side power seat does not move or moves just a small amount and clicks loudly when doing it.

POSSIBLE CAUSES

The vertical transmission assembly (VTA) unit has a stripped internal gear.

CORRECTIVE ACTION

Replace the height adjust VTA unit and/or tilt adjust VTA unit.

TOOL INFORMATION

Tool Name	Tool Number	Quantity
Meshing Tool	07AAF-2GAA100	1
U-Joint Removal Tool – See note below before ordering.	OTC7248	1
Adapter G – See note below before ordering.	07XAF-001050B	1

NOTE:

- The U-Joint Removal Tool and Adapter G can be substituted with a commercially available 6-inch C-clamp with a 1-inch foot.
- The U-Joint Removal Tool is a required dealer tool. If you need another one, call the Honda Tool and Equipment program at **888-424-6857**.

PARTS INFORMATION

NOTE: The VTA unit is universal. The same unit is used for both tilt and height.

Part Name	Part Number	Quantity
VTA Unit (Tilt or Height) (vehicles with memory seat) (Includes grease and 3 nuts)	81603-T2F-A51	1
VTA Unit (Tilt or Height) (vehicles with non-memory seat) (Includes grease and 3 nuts)	81603-T2F-A31	1

CUSTOMER INFORMATION: The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by "do-it-yourselfers," and you should not assume this bulletin applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Honda automobile dealer.

WARRANTY CLAIM INFORMATION

Warranty information for seats with memory seats.

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
7491A5	Replace the height VTA unit.	1.2 hrs	01801	04202	A17047A	81603-T2F-A51
7491A3	Replace the tilt VTA unit.	1.2 hrs	01801	04202	A17047B	81603-T2F-A51
7491D8	Replace both VTA units.	1.5 hrs	01801	04202	A17047C	81603-T2F-A51

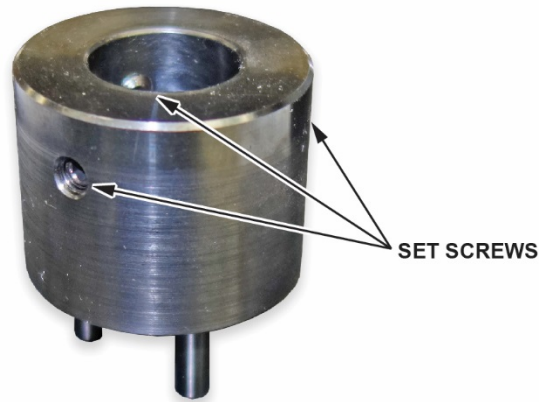
Warranty information for seats with non-memory seats.

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
7491A5	Replace the height VTA unit.	1.2 hrs	01801	04202	A17047D	81603-T2F-A31
7491A3	Replace the tilt VTA unit.	1.2 hrs	01801	04202	A17047E	81603-T2F-A31
7491D8	Replace both VTA units.	1.5 hrs	01801	04202	A17047F	81603-T2F-A31

Skill Level: Repair Technician

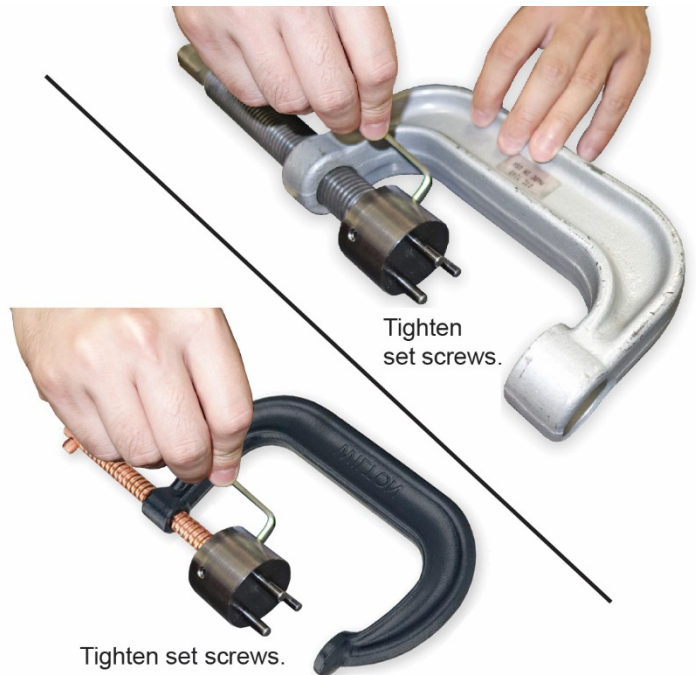
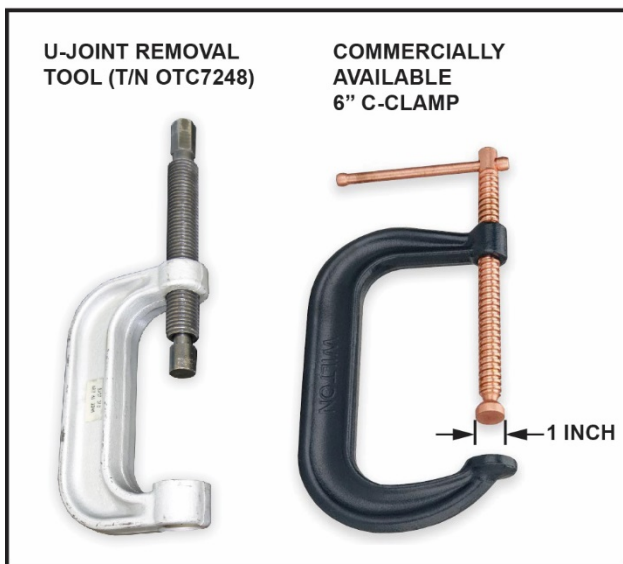
SETTING UP THE MESHING TOOL

1. Make sure the set screws are installed on the meshing tool. If they are not installed, install them without passing through the inner cutout of the tool.

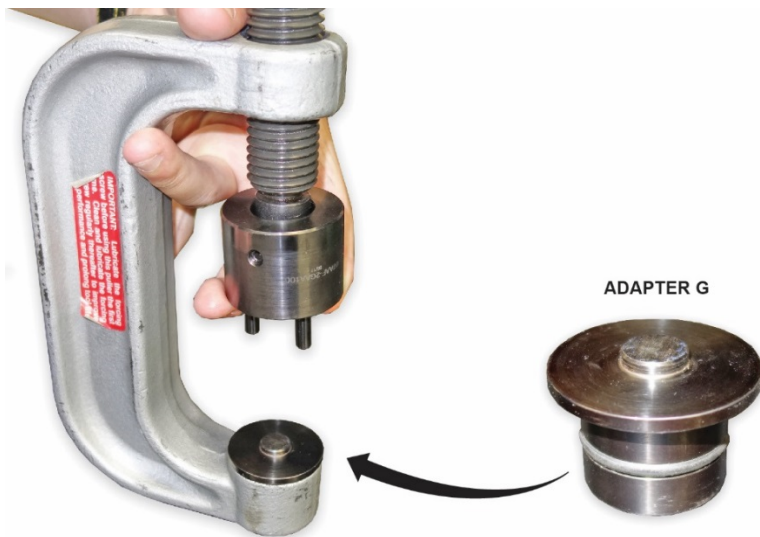


2. Install the meshing tool with the U-Joint Removal Tool (T/N OTC7248) or universal 6-inch C-clamp. Hand tighten the set screws with a hex tool.

NOTE: If you are using a 6-inch C-clamp, the foot of the C-Clamp must be 1-inch in diameter for the meshing tool to fit correctly.



3. Install Adaptor G (T/N 07XAF-001050B) if you are using the U-Joint Removal Tool (T/N OTC7248).



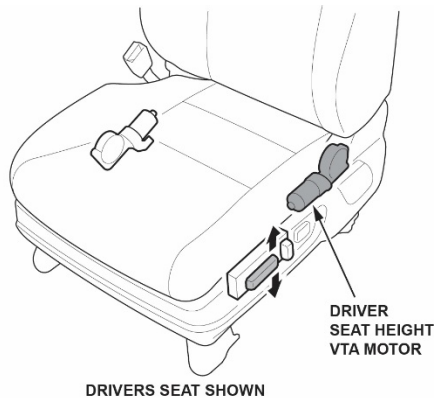
INSPECTION

NOTE:

- Before replacing one VTA unit, check which VTA unit is causing the noise and replace it.
- In most cases, only one VTA unit is damaged. It is rare to replace both.

Height Adjust VTA

Adjust the seat height. If you hear a loud clicking or ratcheting from the seat height VTA unit and the travel of the height is minimal, go to REPAIR PROCEDURE A (HEIGHT ADJUST VTA REPLACEMENT).



Tilt Adjust VTA

Adjust the seat tilt. If you hear a loud clicking or ratcheting from the seat tilt VTA unit and the travel of the tilt is minimal, go to REPAIR PROCEDURE B (TILT ADJUST VTA REPLACEMENT).



REPAIR PROCEDURE A (HEIGHT ADJUST VTA REPLACEMENT)

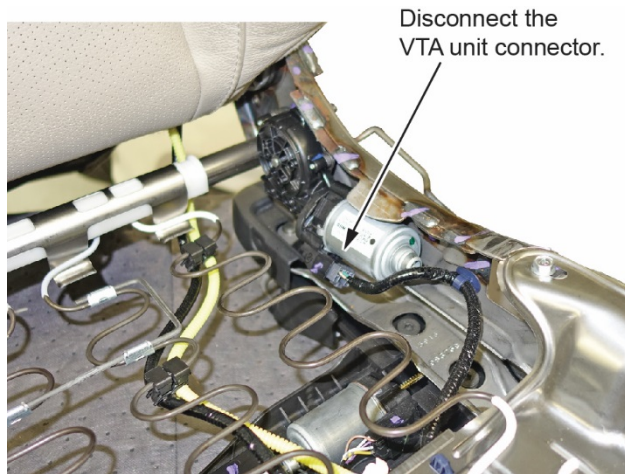
⚠CAUTION

Be careful; there are many sharp edges. Wear protective gloves.

1. Turn the ignition switch to the ON position and check if the SRS indicator comes on for about 6 seconds, then turns off.
 - If the indicator comes on, then turns off after about 6 seconds, go to step 2.
 - If the indicator does not come on, or if it stays on, check the SRS DTC and record it.
2. Adjust the seat to the highest position possible.
3. Disconnect the battery negative cable and wait at least 3 minutes before continuing.
4. Remove the driver seat and front seat front seat cushion cover/pad. Refer to the service information for the model and model year you are working on.

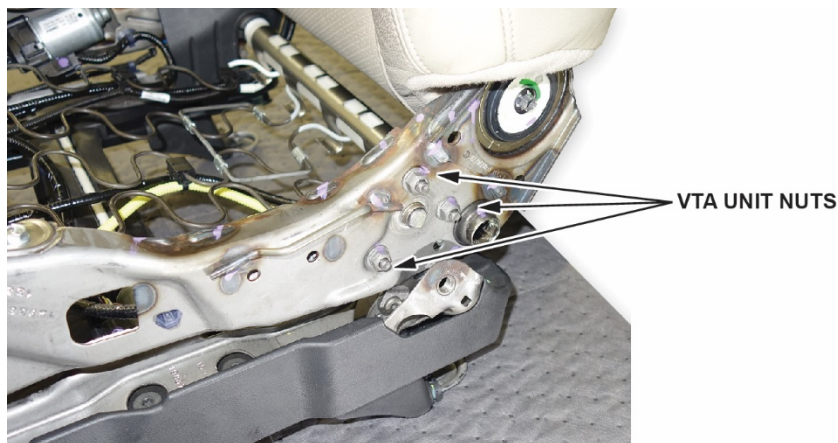
NOTE: Do not remove the cushion cover from the foam pad. Remove both parts as an assembly.

5. Disconnect the VTA unit connector.



6. Remove the VTA unit nuts, then remove the VTA unit.

NOTE: If the seat frame is too low and you can not access the VTA unit nut, use an open end wrench.



If it is difficult to remove the VTA unit after removing the nuts, hit the center shaft of the VTA unit with a punch tool and hammer to remove it.



7. Raise the seat as much as possible by pulling the seat frame as shown.

Grasp the seat frame.

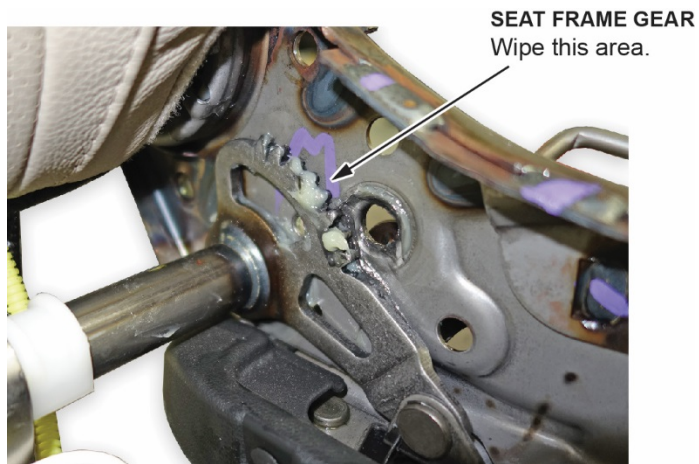


Pull upward while holding the base down.

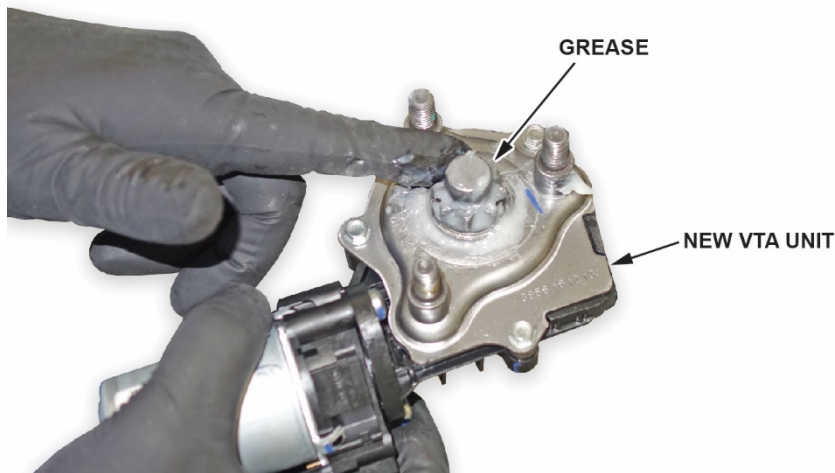
NOTE: The photo below shows how the seat should look after it is raised.



8. Wipe off any excess grease from the seat frame gear teeth with a paper towel or clean rag.



9. Apply the provided grease to the new VTA unit motor splines.
NOTE: Only 1/8th of the grease packet is needed. Do not use the whole packet.



10. Mount the new VTA unit to the seat frame.

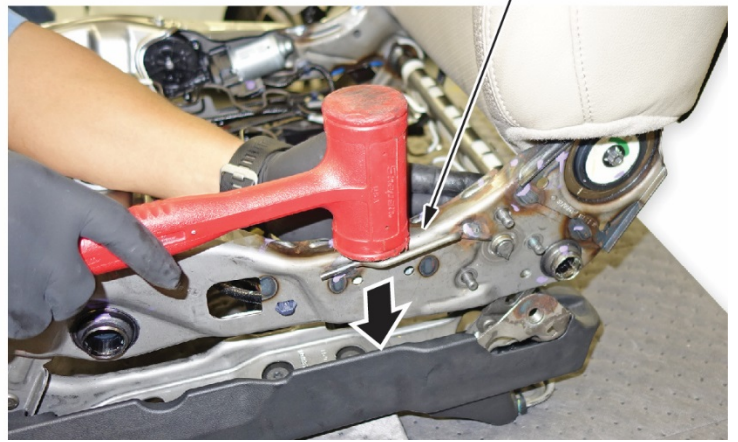


11. While applying pressure to keep the VTA unit against the seat frame, use a rubber mallet or plastic hammer to hit the frame downwards. This will allow the VTA unit splines to align and engage with the frame gear.

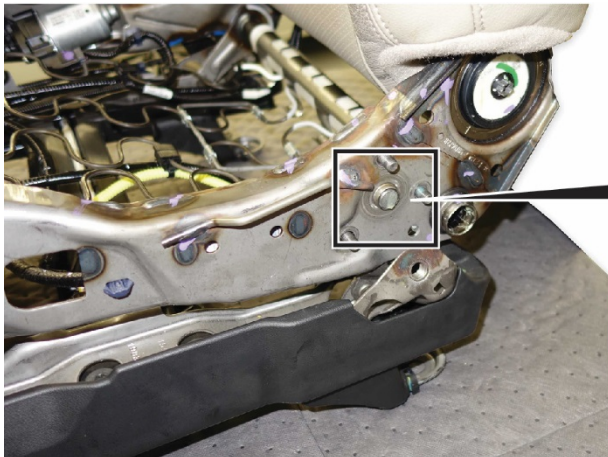
Press the VTA unit against the frame.



Hit the frame downward.



12. Make sure the VTA unit splines and seat frame gear are properly engaged. The VTA unit center shaft should be protruding from the frame.

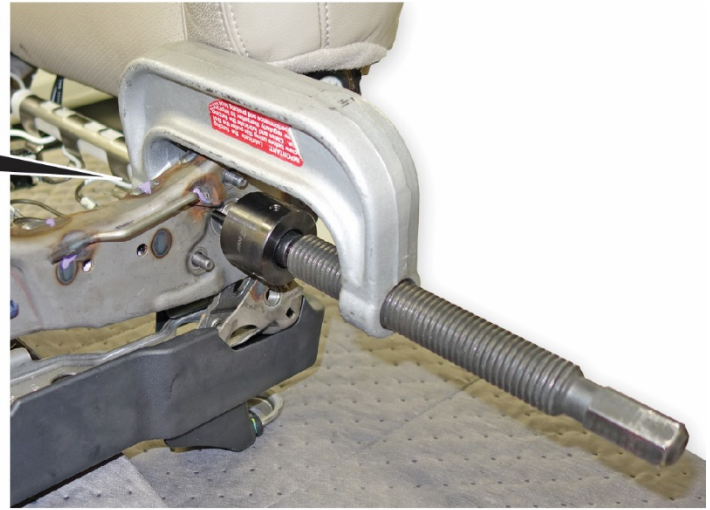


VTA UNIT
CENTER
SHAFT

13. Place the meshing tool as shown. Center the tool on the pinion shaft protruding from the VTA unit.

NOTICE

- **DO NOT** over tighten the C-clamp.
- **DO NOT** attempt to install the VTA unit without using the meshing tool. Seating the VTA unit by tightening the nuts will damage the VTA unit.

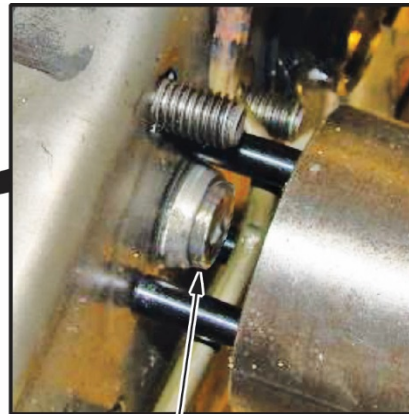


Place the tool on the pinion shaft of the VTA unit.

14. Gradually tighten the C-clamp until the VTA unit shaft is protruding out of the frame. Once the VTA unit shaft is protruding, go to the next step.

NOTICE

- **DO NOT** over tighten the C-clamp.
- **DO NOT** attempt to install the VTA unit without using the meshing tool. Seating the VTA unit by tightening the nuts will damage the VTA unit.

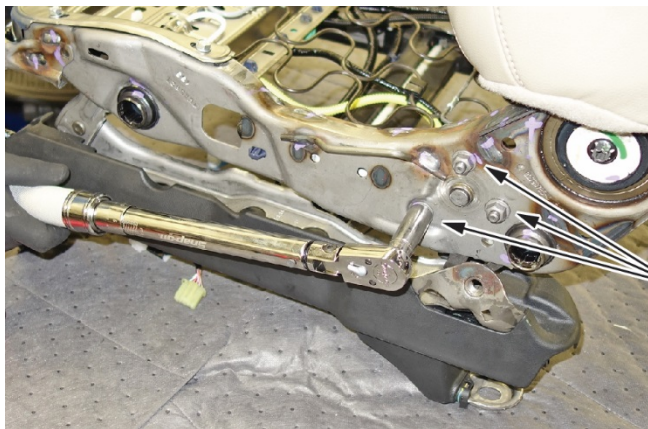


Tighten the tool until the VTA unit shaft protrudes.

15. With the C-clamp still in place, install the new VTA unit nuts and snug them with a wrench.



16. Remove the C-clamp, and torque the nuts to **25 N•m (18 lb-ft)**.



VTA UNIT NUTS
25 N·m (18 lb-ft)

17. Connect the VTA unit connector.

18. Install all other removed parts in the reverse order, and install the seat.

19. Make sure the height and tilt function on the seat works properly and that the noise is gone.

20. Turn the ignition switch to the ON position and check if the SRS indicator comes on for about 6 seconds, then turns off.

- If the indicator comes on, then turns off after about 6 seconds, the procedure is complete
- If the SRS indicator did not perform correctly at the beginning of the procedure, check to see if the same problem exists. If there are additional problems, make sure all reassembly steps were completed.

REPAIR PROCEDURE B (TILT ADJUST VTA REPLACEMENT)

⚠CAUTION

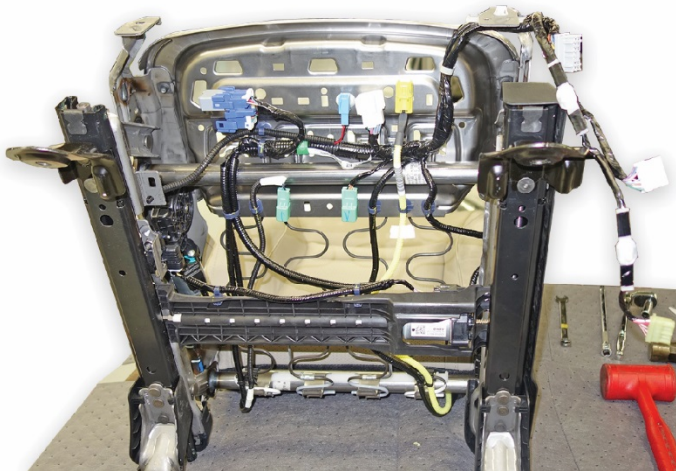
Be careful; there are many sharp edges. Wear protective gloves.

1. Turn the ignition switch to the ON position and check if the SRS indicator comes on for about 6 seconds, then turns off.
 - If the indicator comes on, then turns off after about 6 seconds, go to step 2.
 - If the indicator does not come on, or if it stays on, check the SRS DTC and record it.
2. Adjust the seat to the highest position possible.
3. Disconnect the battery negative cable and wait at least 3 minutes before continuing.
4. Remove the driver seat and front seat cushion cover/pad. Refer to the service information for the model and model year you are working on.

NOTE: Do not remove the cushion cover from the foam pad. Remove both parts as an assembly.

5. For reference during assembly, take a photo of the harness routing and clip location layout as shown.

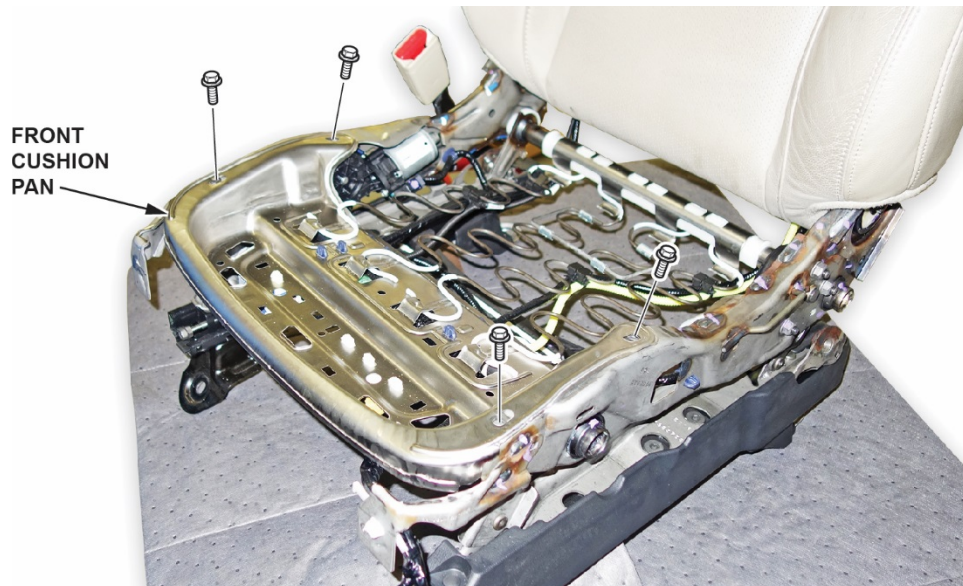
Bottom of seat:



Top of seat:



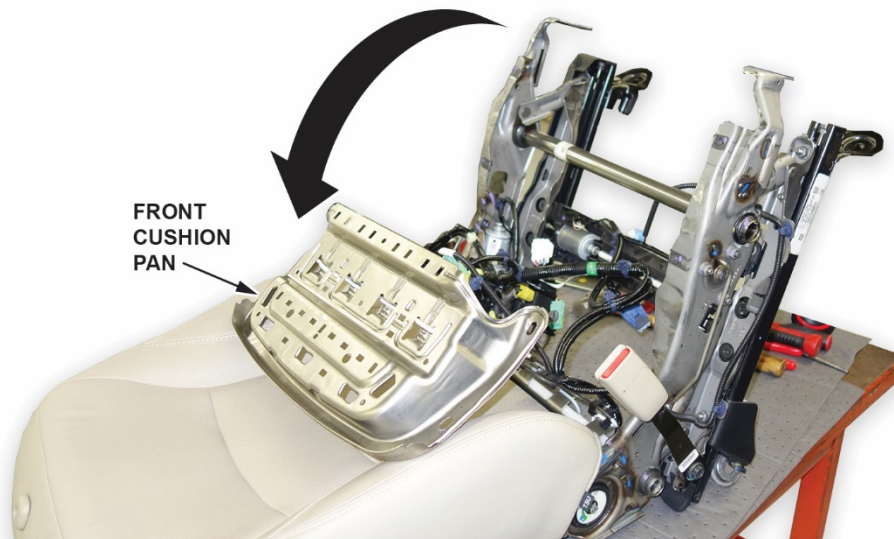
6. Remove the four 10 mm bolts from the front cushion pan.



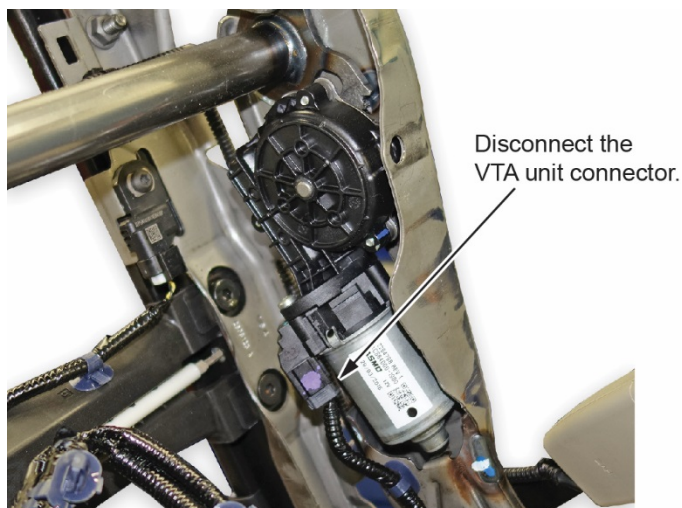
7. Remove any harnesses or harness clips that will prevent the cushion pan from lifting.



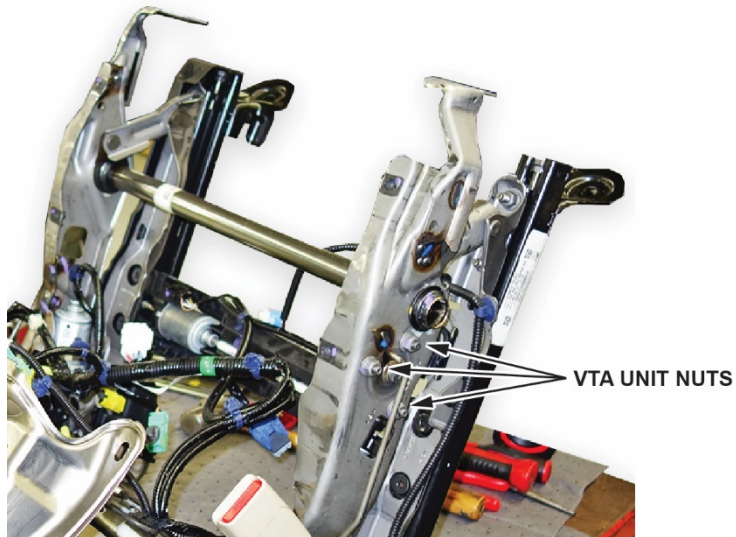
8. Lift the cushion pan, and hold it up with a bungee cord. Or set the seat on its back on a clean surface to keep the cushion pan out of the way.



9. Disconnect the VTA unit connector.

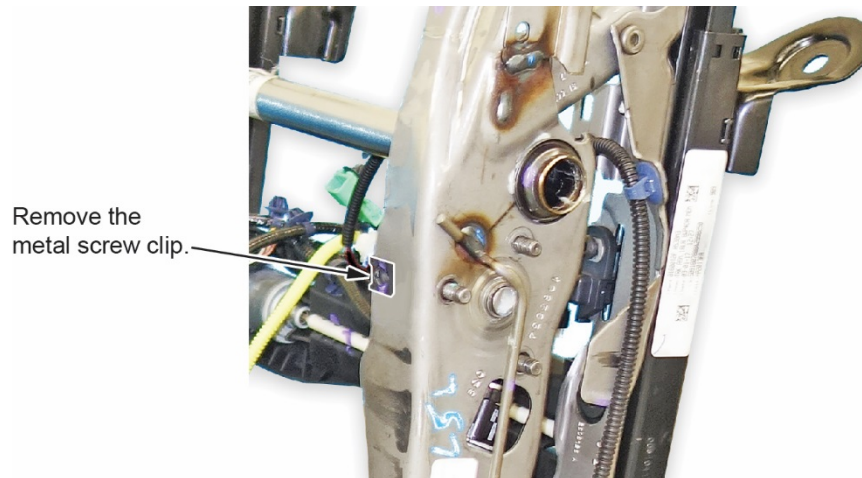


10. Remove the VTA unit nuts.

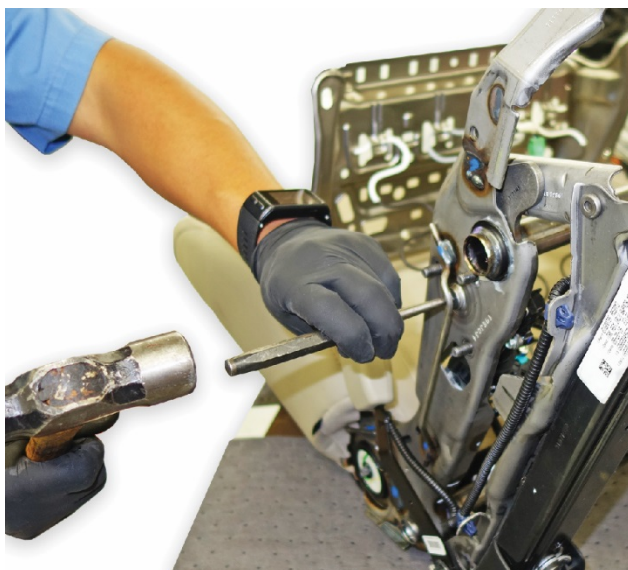


11. Remove the metal screw clip on top of the VTA unit with a clip removal tool.

NOTE: Make sure you do not damage or lose the metal screw clip.



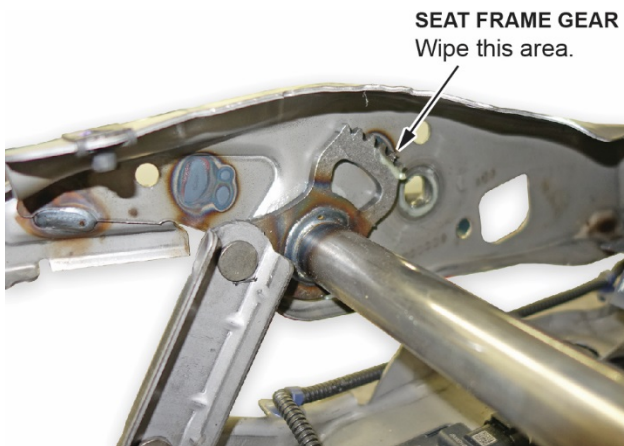
12. Remove the VTA unit. If it is difficult to remove the VTA unit after removing the nuts, hit the center shaft of the VTA unit with a punch tool and hammer to remove it.



13. Raise the seat as much as possible by grabbing the seat frame as shown.

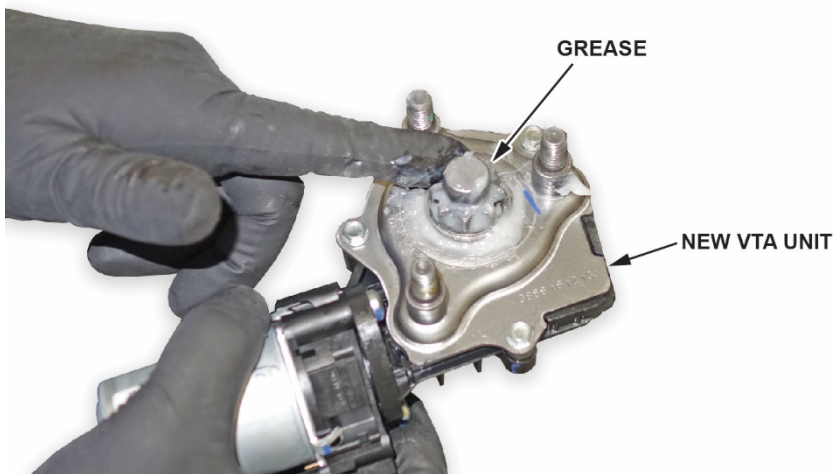


14. Wipe off any excess grease from the seat frame gear teeth with a paper towel or clean rag.

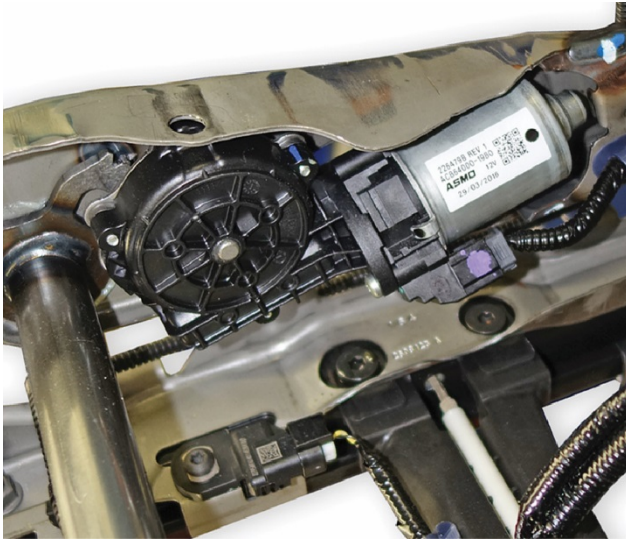


15. Apply the grease provided in the kit to the new VTA unit splines.

NOTE: Only 1/8th of the grease packet is needed. Do not use the whole packet.



16. Mount the new VTA unit to the seat frame.



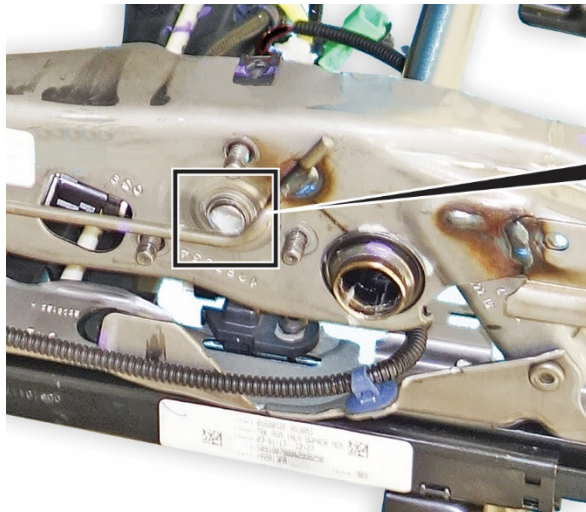
17. While applying pressure to keep the VTA unit against the seat frame, use a rubber mallet or plastic hammer to hit the frame downwards. This will allow the VTA unit splines to align and engage with the frame gear.

Press the VTA unit against the frame.



Hit the frame downward.

18. Make sure the VTA unit splines and seat frame gear are properly engaged. The VTA unit center shaft should be protruding the frame.



VTA UNIT
CENTER SHAFT

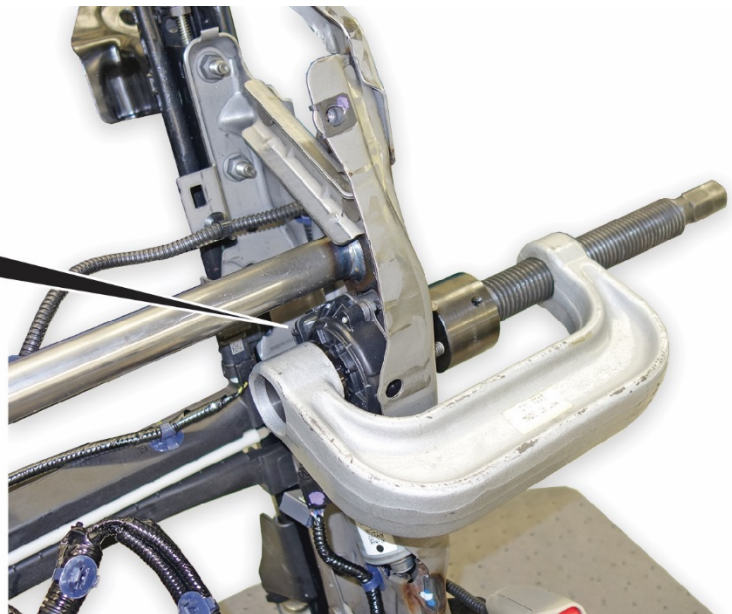
19. Place the meshing tool as shown. Center the tool on the pinion shaft protruding from the VTA unit.

NOTICE

- **DO NOT** over tighten the C-clamp.
- **DO NOT** attempt to install the VTA unit without using the meshing tool. Seating the VTA unit by tightening the nuts will damage the VTA unit.



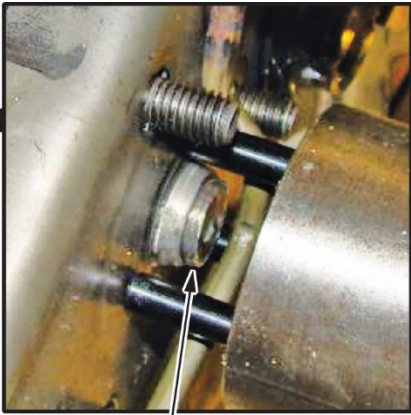
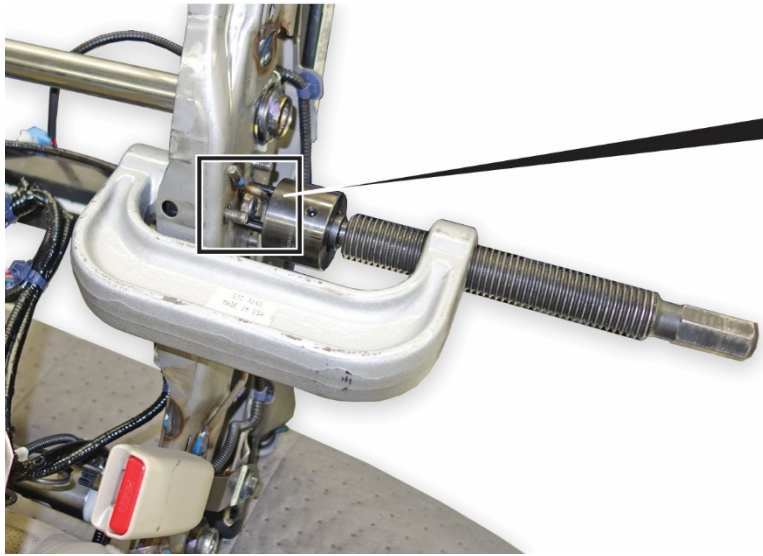
Place the tool on the
pinion shaft of the VTA unit.



20. Gradually tighten the C-clamp until the VTA unit shaft is protruding from the frame. Once the VTA unit shaft is protruding, go to the next step.

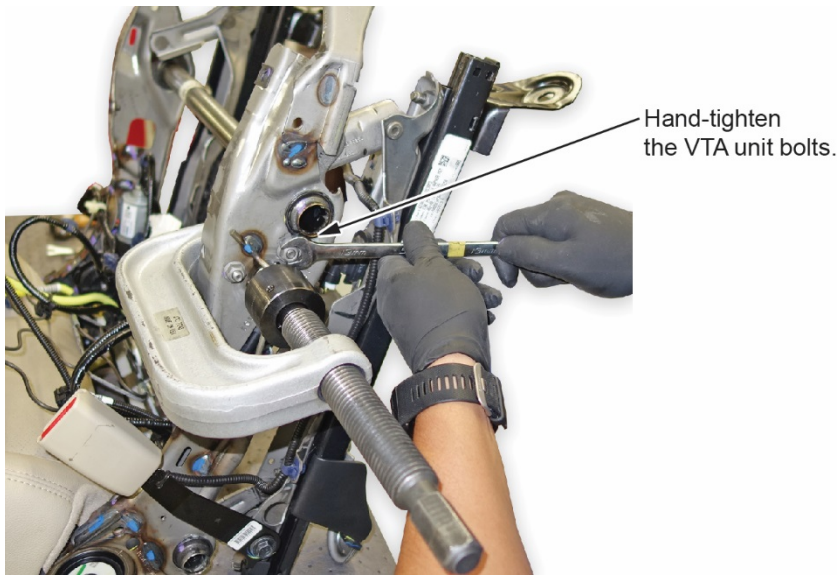
NOTICE

- **DO NOT** over tighten the C-clamp.
- **DO NOT** attempt to install the VTA unit without using the meshing tool. Seating the VTA unit by tightening the nuts will damage the VTA unit.

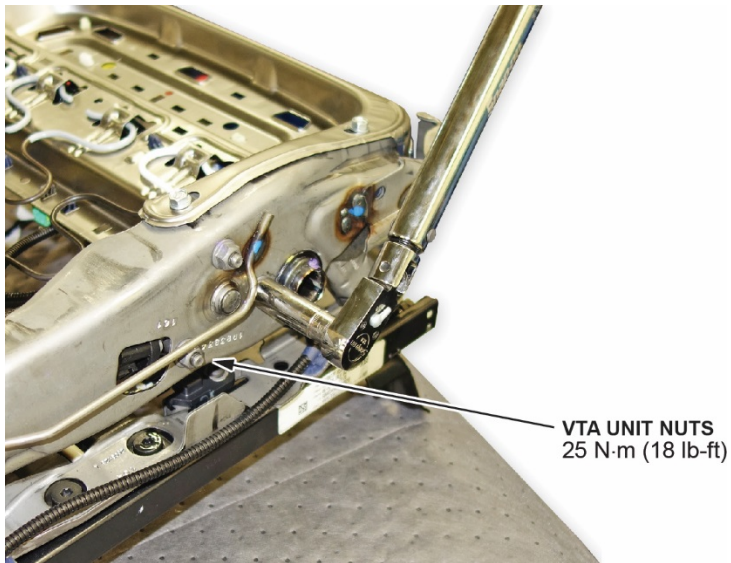


Tighten the tool until the VTA unit shaft protrudes.

21. With the C-clamp still in place, install the new VTA unit nuts and snug them with a wrench.



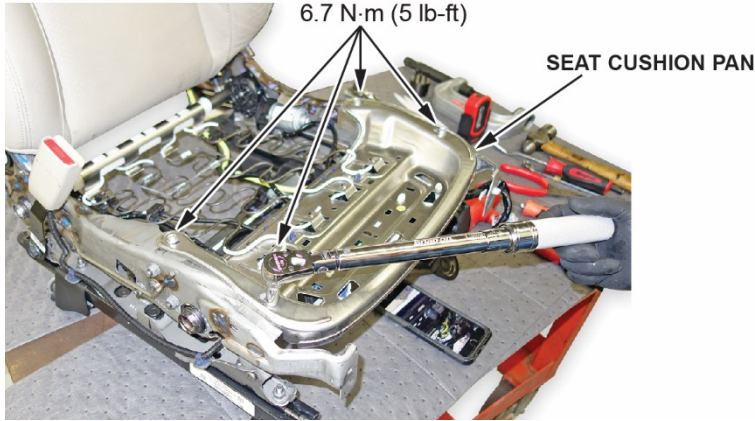
22. Remove the C-clamp, and torque the nuts to **25 N·m (18 lb-ft)**.



23. Install the metal screw clip.



24. Install the VTA unit connector.
25. Lower the seat cushion pan, and install the bolts. Torque the bolts to **6.7 N•m (5 lb-ft)**.



26. Route and install the harnesses and harness clips.
NOTE: Make sure the routing is correct by looking at the photo you took before disassembly.
27. Install all other removed parts in the reverse order, and install the seat.
28. Make sure the height and tilt function on the seat works properly and the noise is gone.
29. Turn the ignition switch to the ON position and check if the SRS indicator comes on for about 6 seconds, then turns off.
 - If the indicator comes on, then turns off after about 6 seconds, the procedure is complete.
 - If the SRS indicator did not perform correctly at the beginning of the procedure, check to see if the same problem exists. If there are additional problems, make sure all reassembly steps were completed.

END