



December 2014

Dealer Service Instructions for:

# **Safety Recall P52 / NHTSA 14V-529**

## **Seat Track Position Sensor**

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### **Models**

**2013 - 2014 (ZD) Dodge Viper**

*NOTE: This recall applies only to the above vehicles built from November 28, 2012 through June 25, 2014 (112813 through 062512).*

**IMPORTANT:** Some of the involved vehicles may be in dealer new vehicle inventory. Federal law requires you to complete this recall service on these vehicles before retail delivery. Dealers should also consider this requirement to apply to used vehicle inventory and should perform this recall on vehicles in for service. Involved vehicles can be determined by using the VIP inquiry process.

### **Subject**

The vehicle airbags on about 1,600 of the above vehicles may have an incorrect airbag deployment velocity due to an inaccurate seat track position sensor gap. Incorrect airbag deployment velocity may increase the chance of occupant injury during certain crash conditions.

### **Repair**

The seat track position sensor gap to the detection plate bracket must be measured. Sensors found with an excessive gap must have a detection plate shim(s) installed.

**Alternate Transportation**

Dealers should attempt to minimize customer inconvenience by placing the owner in a loaner vehicle if inspection determines that seat position sensor repair is required and the vehicle must be held overnight.

**Parts Information**

<u>Part Number</u>	<u>Description</u>
<b>CBAKP521AA</b>	<b>Shim Package</b>

Each package contains the following components:

<u>Quantity</u>	<u>Description</u>
4	Detection Plate Shim
4	Front Bolt and Washer
4	Rear Nut

**Special Tools**

No special tools are required to perform this service procedure.

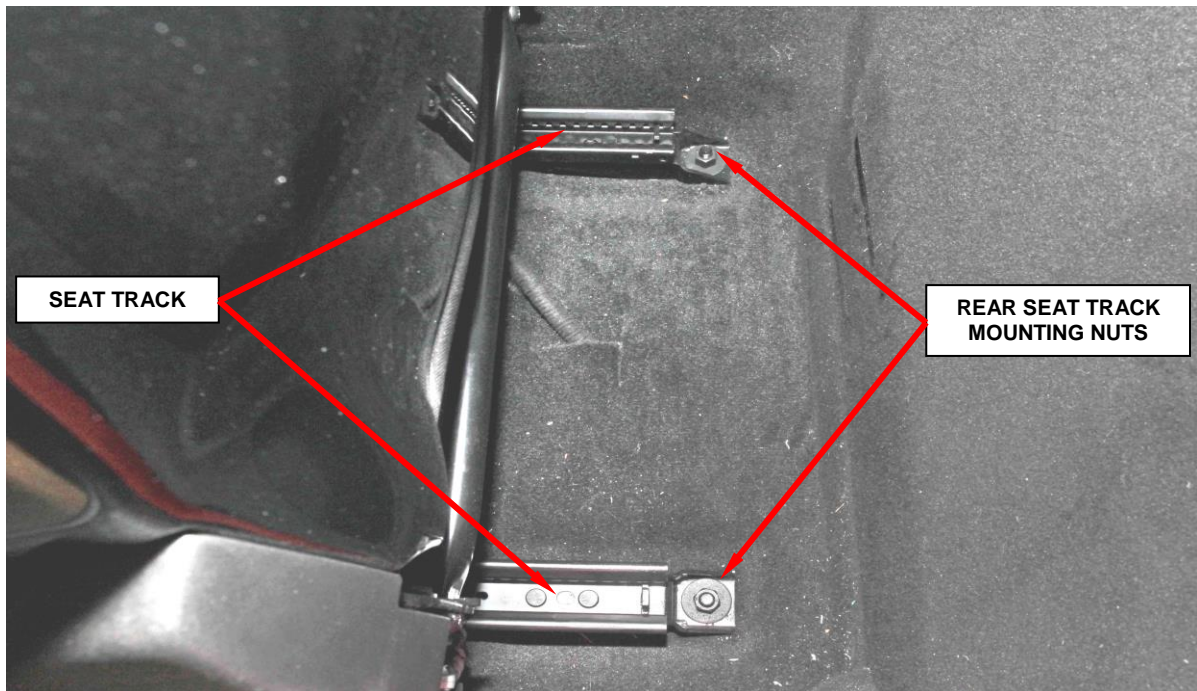
**Service Procedure**

**A. Front Seat Removal**

1. Position the driver and passenger seats to the full forward position and tilt the seat backs to the full forward position to access the rear seat track mounting bolts.
2. Unsnap the seat belt loops by grasping the snap and pulling the snap outward then position the seat belts to the rear of the seats (Figure 1).
3. Remove and discard the two rear seat track mounting nuts from the rear of the seat track, right and left sides (Figure 2).



**Figure 1 – Seat Belt Loop**



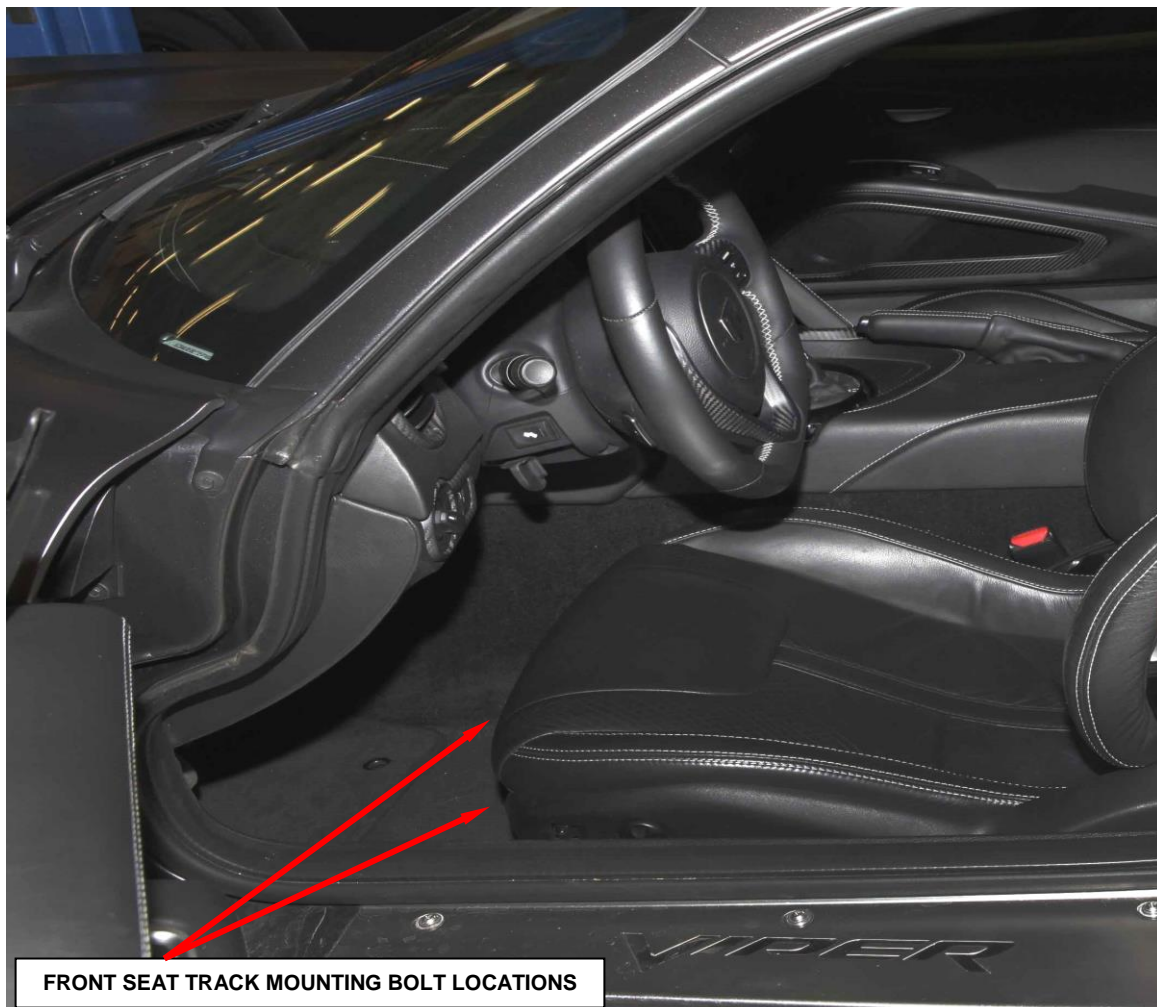
**Figure 2 – Rear Seat Track Mounting Nuts**

**Service Procedure (Continued)**

4. Position the driver and passenger seats to the full rearward position to access the front seat track mounting bolts.

**CAUTION: The seats must be in the full rearward position to measure the seat track position sensor gap.**

5. Remove and discard the two front seat track mounting bolts from the front of the seat track (Figure 3).

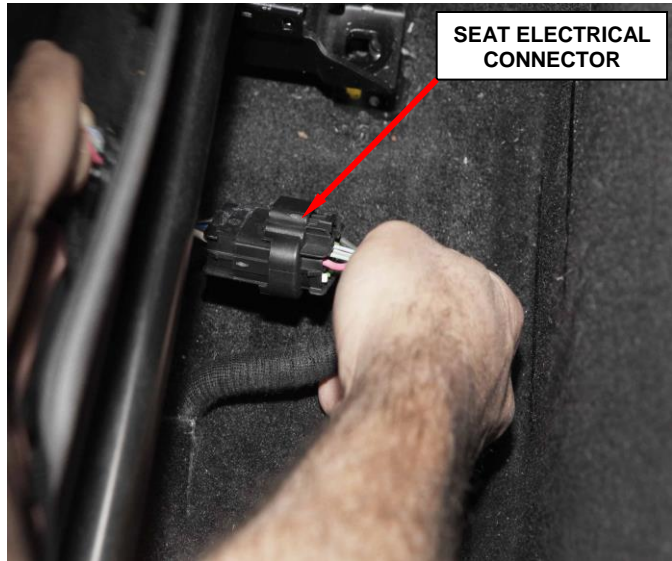


**Figure 3 – Front Seat Track Mounting Bolts**

**Service Procedure (Continued)**

6. Open the deck lid.
7. Disconnect and isolate the negative battery cable.

**WARNING: Wait two minutes for the system reserve capacitor to discharge before servicing any airbag components. Failure to do this may result in serious or fatal injury.**



**Figure 4 – Seat Electrical Connector**

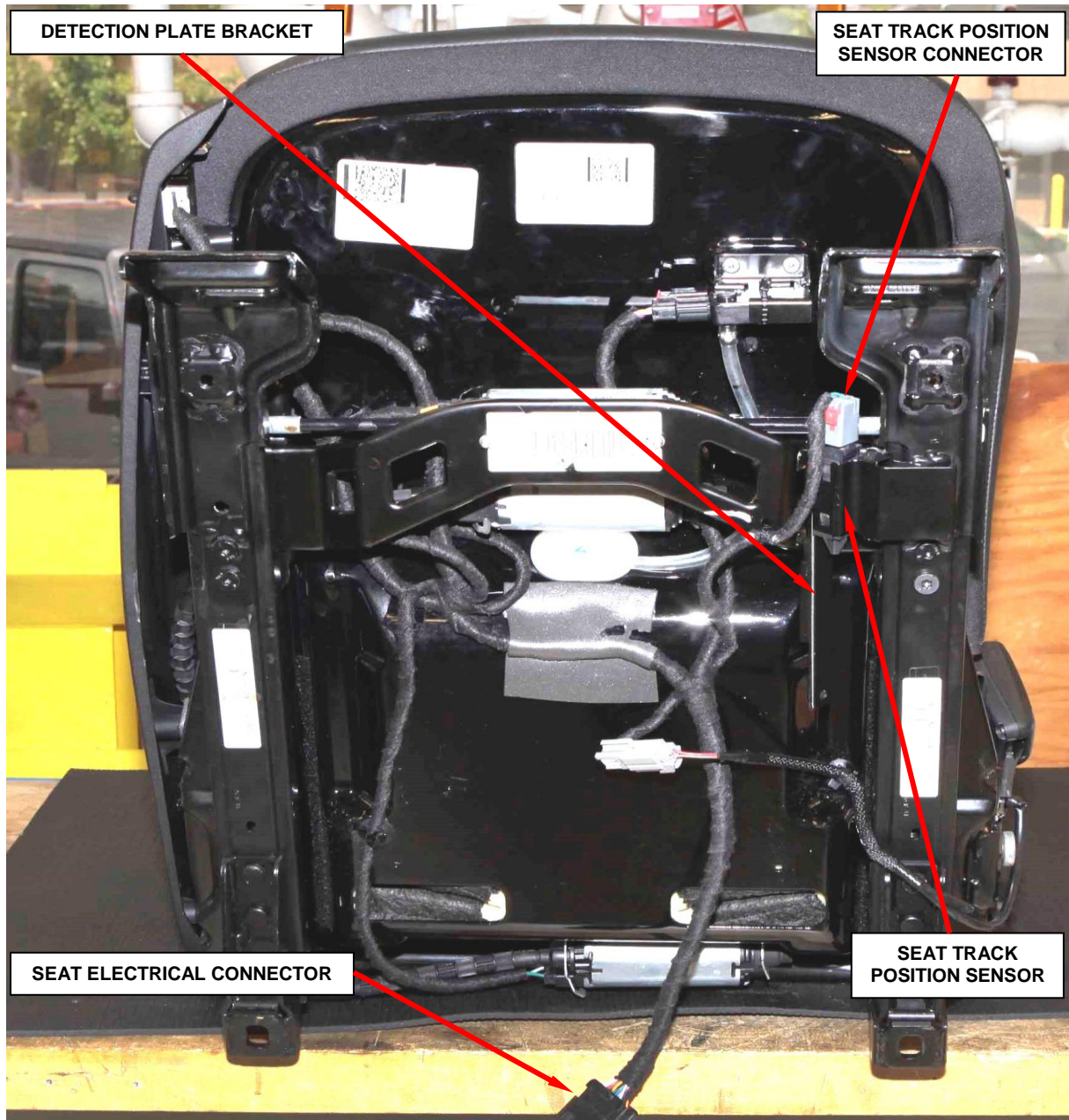
8. Disconnect the seat electrical connectors located at the rear underside of seat cushions (Figure 4).
9. Install a protective cover or duct tape over the sill moldings (Figure 5).



**Figure 5 – Sill Molding Protection**



**Service Procedure (Continued)**

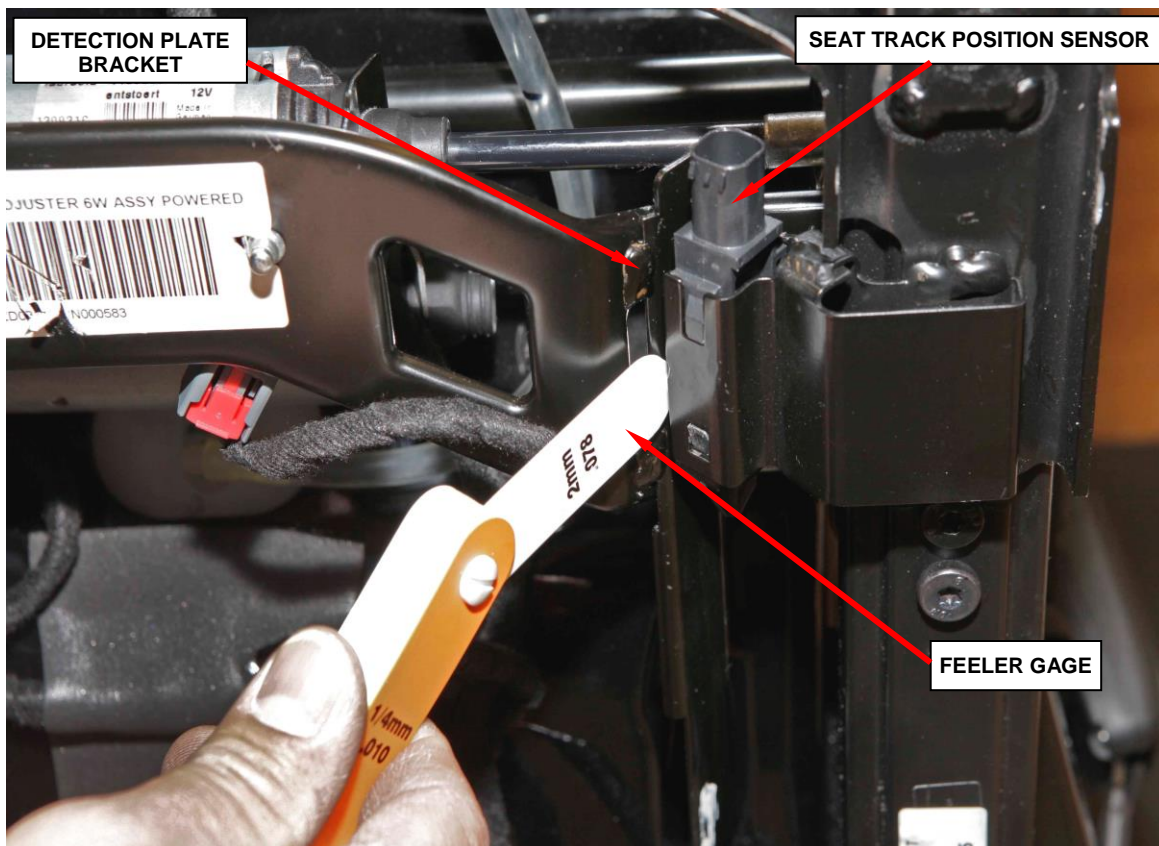


**Figure 7 – Seat Bottom View**

11. Place the seats on a clean surface to view the bottom of the seats (Figure 7).
12. Continue to **Section B. Inspect Seat Track Position Gap.**

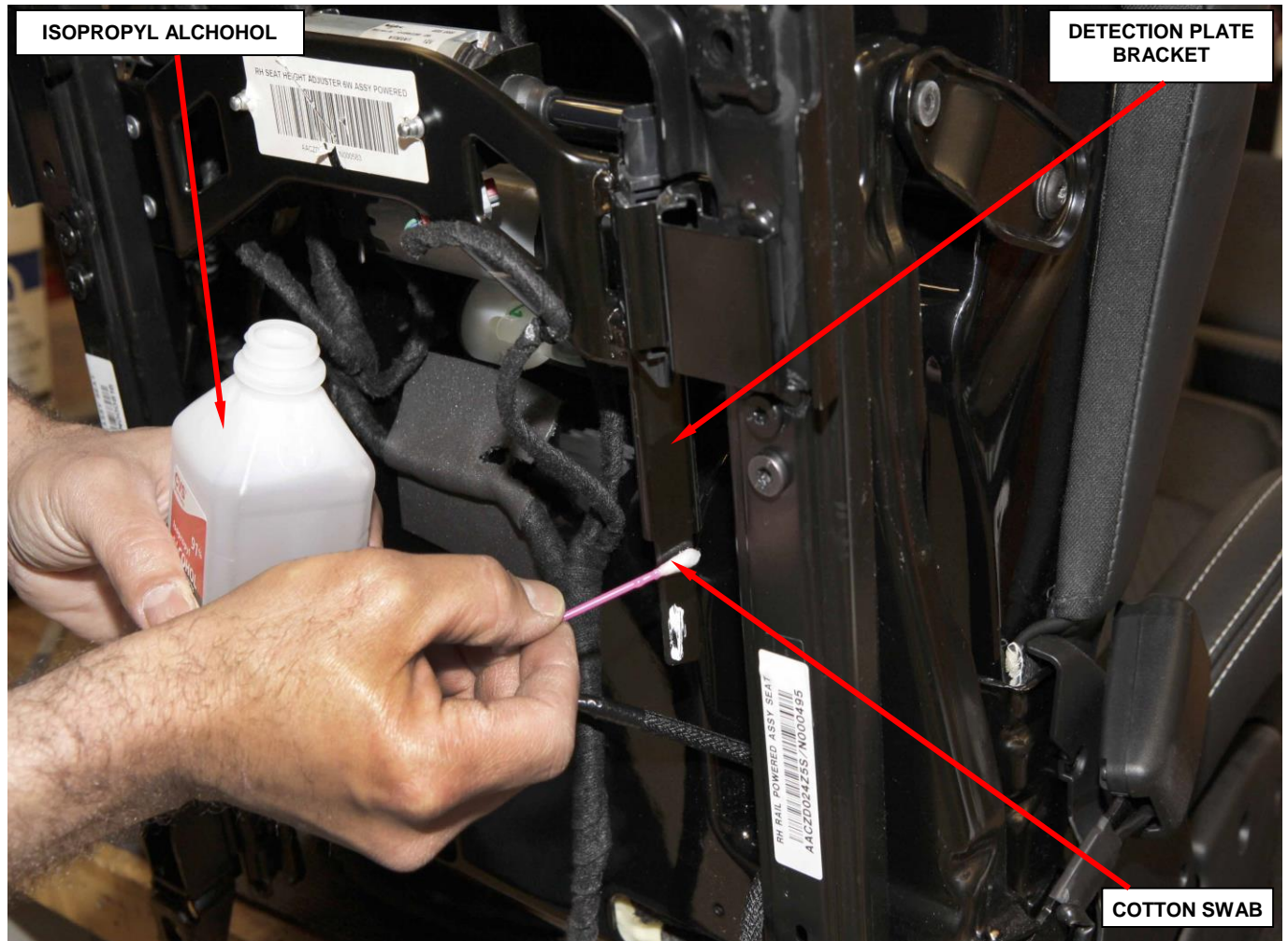
**Service Procedure (Continued)****B. Inspect Seat Track Position Sensor Gap**

1. Using a feeler gage, measure the gap between the detection plate bracket and the seat track position sensor, both right and left seats (Figure 8).
  - If the gap is less than or equal to .078 inches (2mm), no detection plate shim(s) are required. Continue with **Section D. Seat Installation**.
  - If the gap is greater than .078 inches (2mm), continue with **Section C. Install Detection Plate Shim**.

**Figure 8 – Seat Track Position Sensor Gap Inspection**

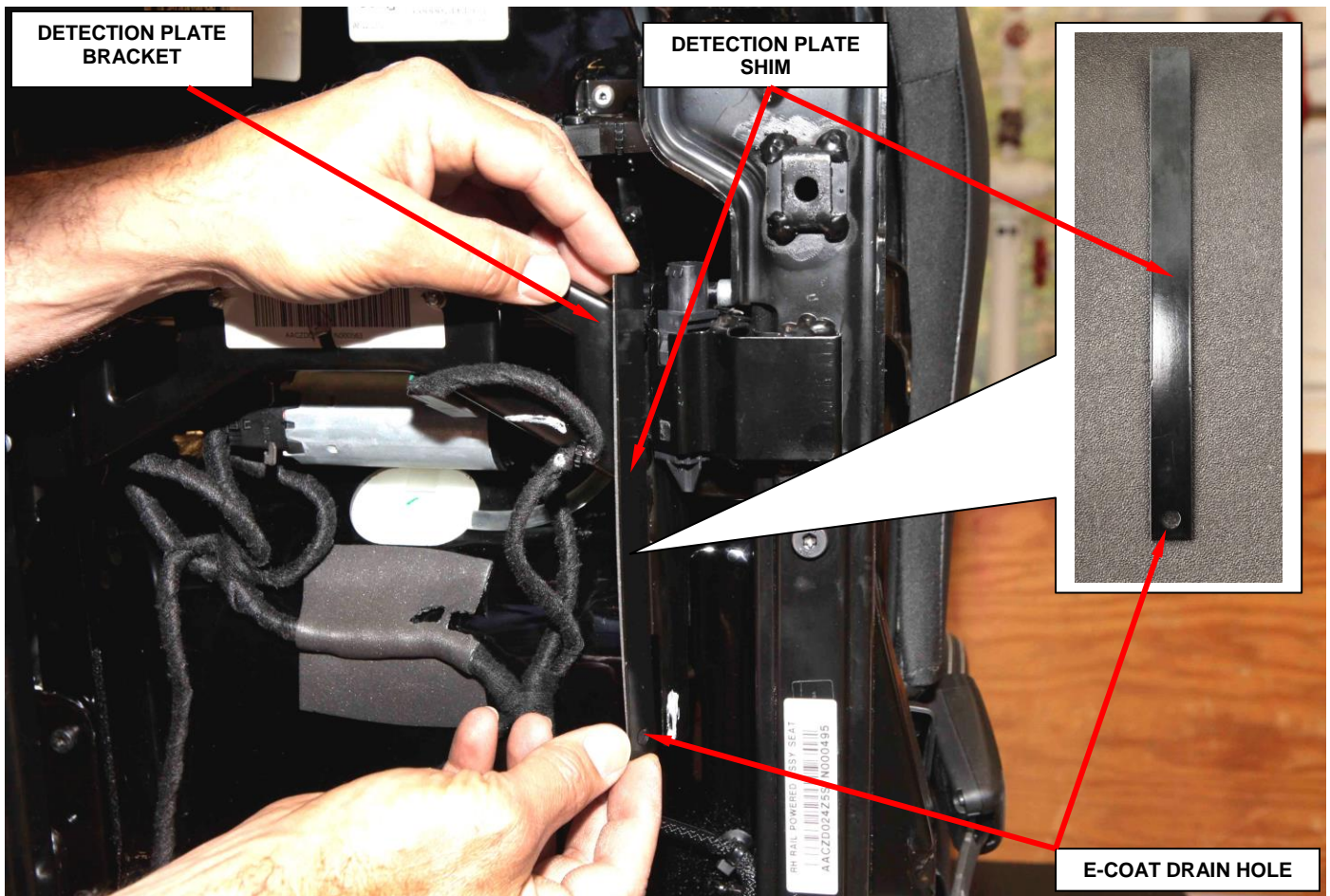
**Service Procedure (Continued)**

**C. Install Detection Plate Shim**



**Figure 9 – Clean Detection Plate Bracket**

1. Using a cotton swab and 91% isopropyl alcohol clean the detection plate bracket on the seat tracks (Figure 9).
2. Allow the isopropyl alcohol to dry on the detection plate bracket.

**Service Procedure (Continued)****Figure 10 – Install Detection Plate Shim**

3. Once dry, peel the adhesive backing off of the detection plate shim and place on the detection plate bracket making sure the E-coat drain hole is facing rearward in vehicle position (Figure 10).

**CAUTION:** If the new detection plate shim is bent or damaged, discard and select a different one from the kit.

4. Firmly press the detection plate shim to the detection plate bracket to ensure complete bond (for area between the detection plate bracket and the seat track position sensor use a flat edge tool to assist applying pressure to achieve bond).

**Service Procedure (Continued)**

5. After the detection plate shim is applied, measure the gap between the seat track position sensor and the detection plate shim.
  - If the gap is greater than or equal to .156 inches (4mm), apply a second detection plate shim then continue with **Section D. Seat Installation.**
  - If the gap is less than .156 inches (4mm), continue with **Section D. Seat Installation.**

**Service Procedure (Continued)**

**D. Seat Installation**

1. Lift the seats and carefully place in the vehicle, seat back first (Figure 6).
2. Connect the seat electrical connectors located at the rear underside of seat cushions (Figure 4).
3. Position the seats over the rear mounting studs.
4. Hand start the new front seat track mounting bolts and the rear seat track mounting nuts.
5. Connect the negative battery cable.
6. Torque the inboard front seat track mounting bolts to 32 ft. lbs. (43 N·m).
7. Torque the outboard front seat track mounting bolts to 32 ft. lbs. (43 N·m).
8. Position the driver and passenger seats to the full forward position to access the rear fasteners.
9. Torque the outboard rear seat track mounting nuts to 27 ft. lbs. (37 N·m).
10. Torque the inboard rear seat track mounting nuts to 27 ft. lbs. (37 N·m).
11. Position the seat belts through the seat belt loops and secure the seat belt loop snaps to the seats (Figure 1).
12. Remove the protective covers or any duct tape from the sills.
13. Return the vehicle to the customer.

**Completion Reporting and Reimbursement**

Claims for vehicles that have been serviced must be submitted on the DealerCONNECT Claim Entry Screen located on the Service tab. Claims submitted will be used by Chrysler to record recall service completions and provide dealer payments.

Use one of the following labor operation numbers and time allowances:

	<b><u>Labor Operation Number</u></b>	<b><u>Time Allowance</u></b>
Remove Both Front Seats and Inspect the Seat Track Position Sensor Gap	23-P5-21-82	0.8 hours
Remove Both Front Seats, Inspect the Seat Track Position Sensor Gap and Adjust One Seat	23-P5-21-83	0.9 hours
Remove Both Front Seats, Inspect the Seat Track Position Sensor Gap and Adjust Two Seats	23-P5-21-84	1.0 hours

NOTE: See the Warranty Administration Manual, Recall Claim Processing Section, for complete recall claim processing instructions.

**Dealer Notification**

To view this notification on DealerCONNECT, select “Global Recall System” on the Service tab, then click on the description of this notification.

**Owner Notification and Service Scheduling**

All involved vehicle owners known to Chrysler are being notified of the service requirement by first class mail. They are requested to schedule appointments for this service with their dealers. A generic copy of the owner letter is attached.

Enclosed with each owner letter is an Owner Notification postcard to allow owners to update our records if applicable.

**Vehicle Lists, Global Recall System, VIP and Dealer Follow Up**

All involved vehicles have been entered into the DealerCONNECT Global Recall System (GRS) and Vehicle Information Plus (VIP) for dealer inquiry as needed.

GRS provides involved dealers with an updated VIN list of their incomplete vehicles. The owner's name, address and phone number are listed if known. Completed vehicles are removed from GRS within several days of repair claim submission.

To use this system, click on the “**Service**” tab and then click on “**Global Recall System.**” Your dealer's VIN list for each recall displayed can be sorted by: those vehicles that were unsold at recall launch, those with a phone number, city, zip code, or VIN sequence.

**Dealers must perform this repair on all unsold vehicles before retail delivery.** Dealers should also use the VIN list to follow up with all owners to schedule appointments for this repair.

*Recall VIN lists may contain confidential, restricted owner name and address information that was obtained from the Department of Motor Vehicles of various states. Use of this information is permitted for this recall only and is strictly prohibited from all other use.*

**Additional Information**

If you have any questions or need assistance in completing this action, please contact your Service and Parts District Manager.

Customer Services / Field Operations  
Chrysler Group LLC