CHRYSLER

April 15, 2013

Ms. Nancy L. Lewis
Associate Administrator for Enforcement
National Highway Traffic Safety Administration
1200 New Jersey Ave. S.W.
Washington, D.C. 20590

Dear Ms. Lewis:

Reference: NHTSA Identification Number 13V-043

Enclosed are representative copies of communications relating to the 2013 model year vehicles involved in the referenced recall. Chrysler expects to notify dealers on April 16, 2013 and the owner notification has been mailed to owners on April 05, 2013. The exact number of manufactured vehicles in the recall is 1,785.

This completes Chrysler's package of information for this recall as required by the Defects Report Regulation.

Sincerely,

Kristin Kolodge

Kristin J. Kolodge
Regulatory Affairs – Product Investigations & Campaigns

Enclosure: Dealer and Owner Letter for Recall N02 (13V-043)

cc: F. Borris

CHRYSLER

April 2013

Dealer Service Instructions for:

Safety Recall N02 / NHTSA 13V-043
Fuel Tank Control Valve

Models

2013 (JS) Dodge Avenger and Chrysler 200 (sedan and convertible)

NOTE: This recall applies only to the above vehicles built from October 30, 2012 through November 02, 2012 ***(MDH 103009 through 110206)****.*

IMPORTANT: Many of the vehicles within the above build period have already been inspected or repaired and, therefore, have been excluded from this recall.

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 fuel tank control valve on about 1,700 of the above vehicles may have been damaged during the manufacturing process. A damaged fuel tank control valve could allow liquid fuel to fill the vapor canister. During the normal vapor canister purge cycle, liquid fuel would be drawn into the engine and could cause the engine to stall. This could cause a crash under certain driving conditions. Additionally, a damaged fuel tank valve may result in fuel leakage, which in the presence of an ignition source, may lead to a fire.

Repair

The fuel tank control valve must be inspected for physical damage. If a damaged control valve is found, the fuel tank assembly and vapor canister must be replaced.

Alternate Transportation

Dealers should attempt to minimize customer inconvenience by placing the owner in a loaner vehicle if inspection determines that the fuel tank and vapor canister replacement is required and the vehicle must be held overnight.

Parts Information

Part Number	Description
CBA0N021AA	**O-Ring, Fuel Tank Module**
68079329AC	**Tank, Fuel**
05147050AA	**Canister, Vapor (sedan)**
05147055AB	**Canister, Vapor (convertible)**

Due to the small number of involved vehicles expected to require a fuel tank and vapor canister, no parts will be distributed initially. **Part should be ordered only after inspection determines that repair is required.** ***Only 16 vehicles are expected to require fuel tank and vapor canister replacement.***

Special Tools

The following special tools are required to perform this repair:

➢ NPN	wiTECH VCI Pod Kit
➢ NPN	Laptop Computer
➢ NPN	wiTECH Software
➢ 9340	Wrench, Fuel Pump Module Lock Ring
➢ 375	Mirror, Oversized Inspection

NOTE: One oversized inspection mirror was mailed to each Chrysler/Jeep/Dodge dealer free of charge in February 2013. Additional oversized inspection mirrors can be purchased, at dealer expense, by calling Wright Tool Company at 1-800-783-9826 during regular business hours.

Service Procedure

WARNING: GASOLINE AND GASOLINE VAPORS ARE EXTREMELY FLAMMABLE. BEFORE PERFORMING THIS INSPECTION AND/OR REPAIR PROCEDURE ENSURE THERE ARE NO OPEN FLAMES OR IGNITION SOURCES IN THE WORK AREA. ALSO, MAKE SURE THE WORK AREA IS WELL VENTILATED.

A. Inspect Fuel Tank Control Valve

1. Release fuel system pressure using the following procedure:

   a. Remove and save the rear seat cushion.

   b. Remove and save the rear seat cushion silencer pad.

   c. Remove and save the plastic fuel pump module access cover (Figure 1).

   d. Disconnect the electrical connector at the fuel pump module (Figure 1).

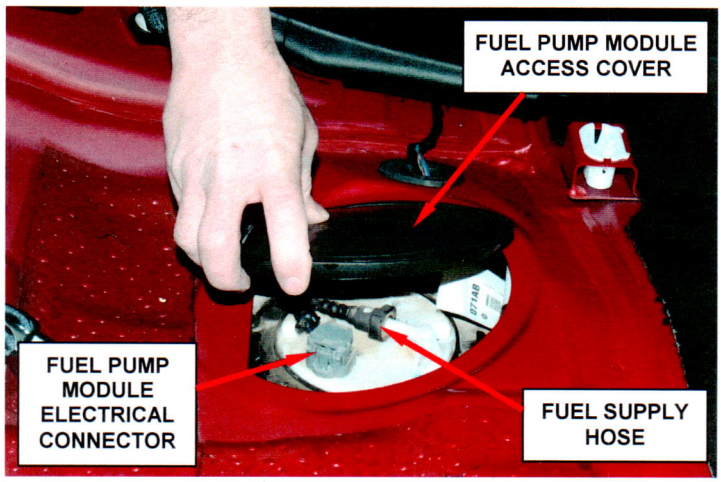


Figure 1 – Fuel Pump Module Access Cover

   e. Start and run the engine until it stalls.

   f. Attempt restarting the engine until it will no longer run.

   g. Turn the ignition key to the "OFF" position.

2. Using a shop vacuum, clean the top of fuel pump modules and fuel tank to remove loose dirt and debris.

3. Drain all of the fuel from the fuel tank

4. Disconnect and isolate the negative battery cable.

5. Disconnect the fuel supply hose at the fuel pump module (Figure 1).

   CAUTION: Wrap a shop towel around the fuel supply hose to prevent gasoline spillage.

Service Procedure (Continued)

6. Using the fuel pump module Lock Ring Wrench 9340 or equivalent, remove and save the fuel pump module lock ring (Figure 2).

Figure 2 – Fuel Pump Module Lock Ring Wrench 9340

7. Carefully remove and save the fuel pump module from the fuel tank (Figure 3).

   CAUTION: Immediately place the fuel pump module into a clean drain pan to prevent spilling any fuel onto the vehicle's interior.

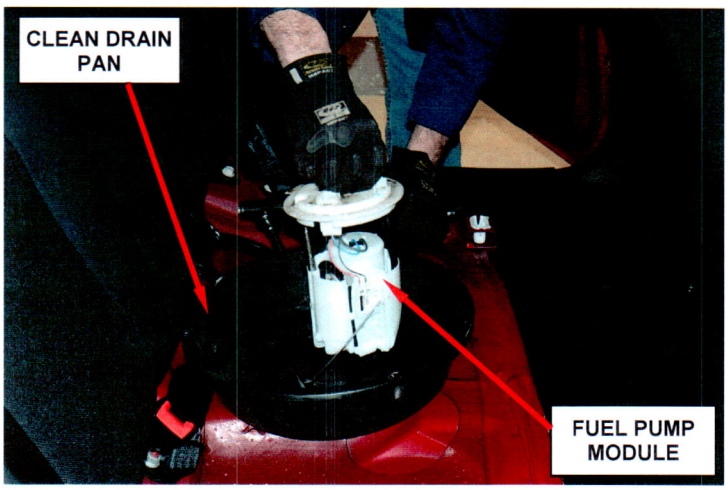


Figure 3 – Place Fuel Pump Module in a Clean Drain Pan

Service Procedure (Continued)

8. Using the provided oversized inspection mirror (P/N 375) and a Light Emitting Diode (LED) flashlight, inspect the bottom of the control valve (Figure 4).

   - If the bottom cover of the control valve **is not broken** (Figure 5), continue with Step 9 of this procedure.
   - If the bottom cover of the control valve **is broken** (Figure 5), continue with **Section B. Fuel Tank and Vapor Canister Replacement.**

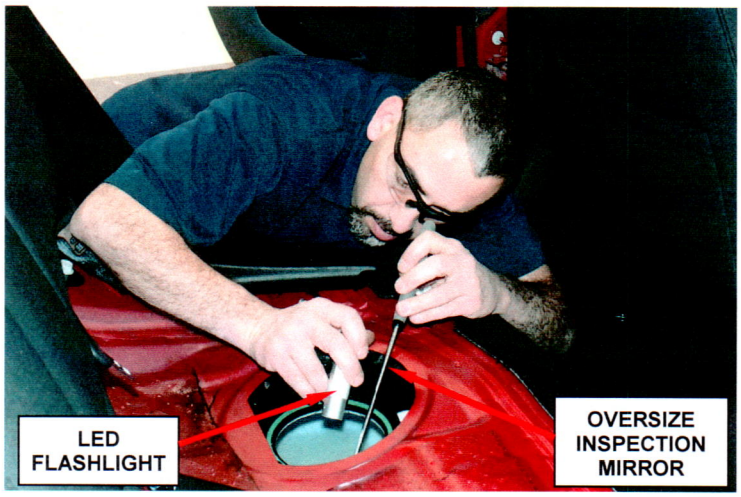
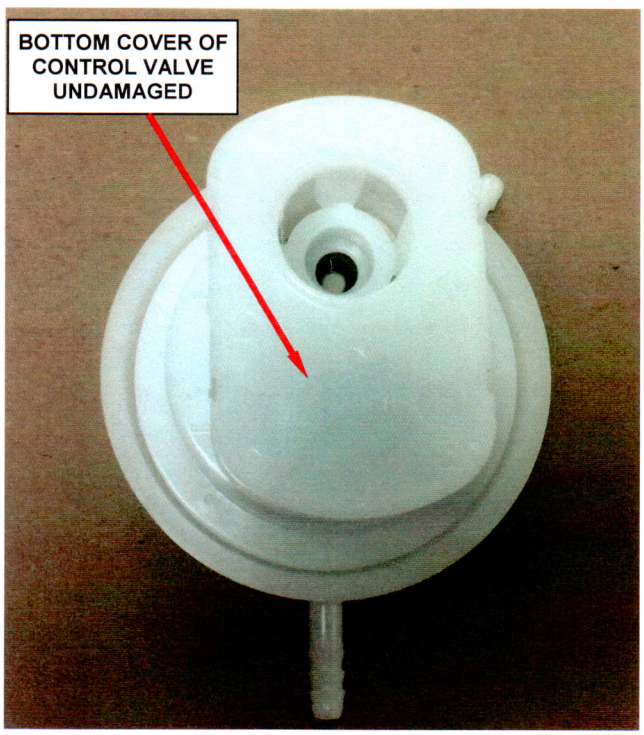
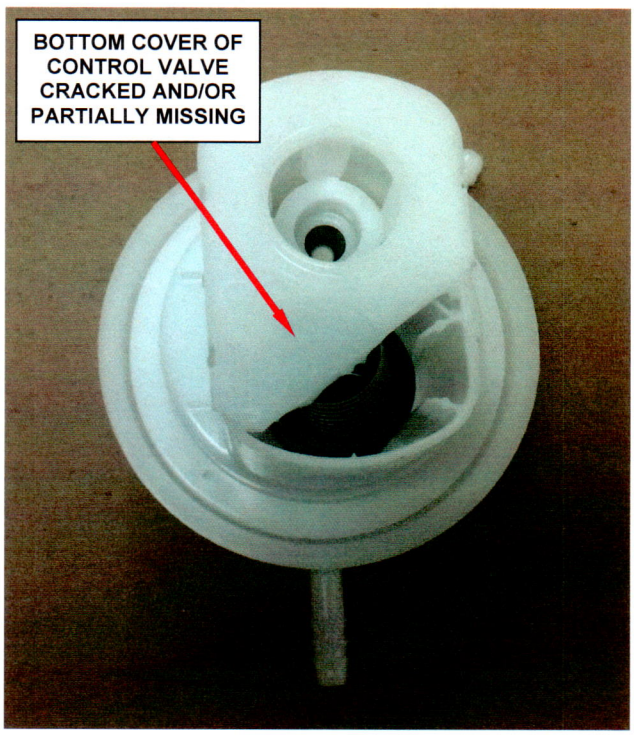


Figure 4 – Inspect Bottom of Control Valve with Oversized Inspection Mirror and LED Flashlight



Good Control Valve



Bad Control Valve

Figure 5 – Determine Control Valve Condition

Service Procedure (Continued)

9. Remove and discard the original fuel tank module O-ring and install a new fuel tank module O-ring.

10. Place the original fuel pump module into the fuel tank opening.

11. Using the fuel pump module Lock Ring Wrench 9340 or equivalent, install the fuel pump module lock ring (Figure 2).

Figure 6 – Install Seat Cushion Silencer Pad

12. Connect the fuel supply hose to the fuel pump module (Figure 1).

13. Connect the electrical connector at the fuel pump module (Figure 1).

14. Install the plastic fuel pump module access cover (Figure 1).

15. Install the rear seat cushion silencer pad (Figure 6).

16. Install the rear seat cushion.

17. Fill the fuel tank with the same amount of fuel that was removed.

18. Connect the negative battery cable.

19. Continue with **Section C. Check for Fuel Leaks and Clear Diagnostic Trouble Codes (DTC's).**

Service Procedure (Continued)

B. Fuel Tank and Vapor Canister Replacement

NOTE: The following procedure is required if the fuel tank control valve requires replacement per the inspection in Section "A." ***Very few vehicles are expected to require this repair.***

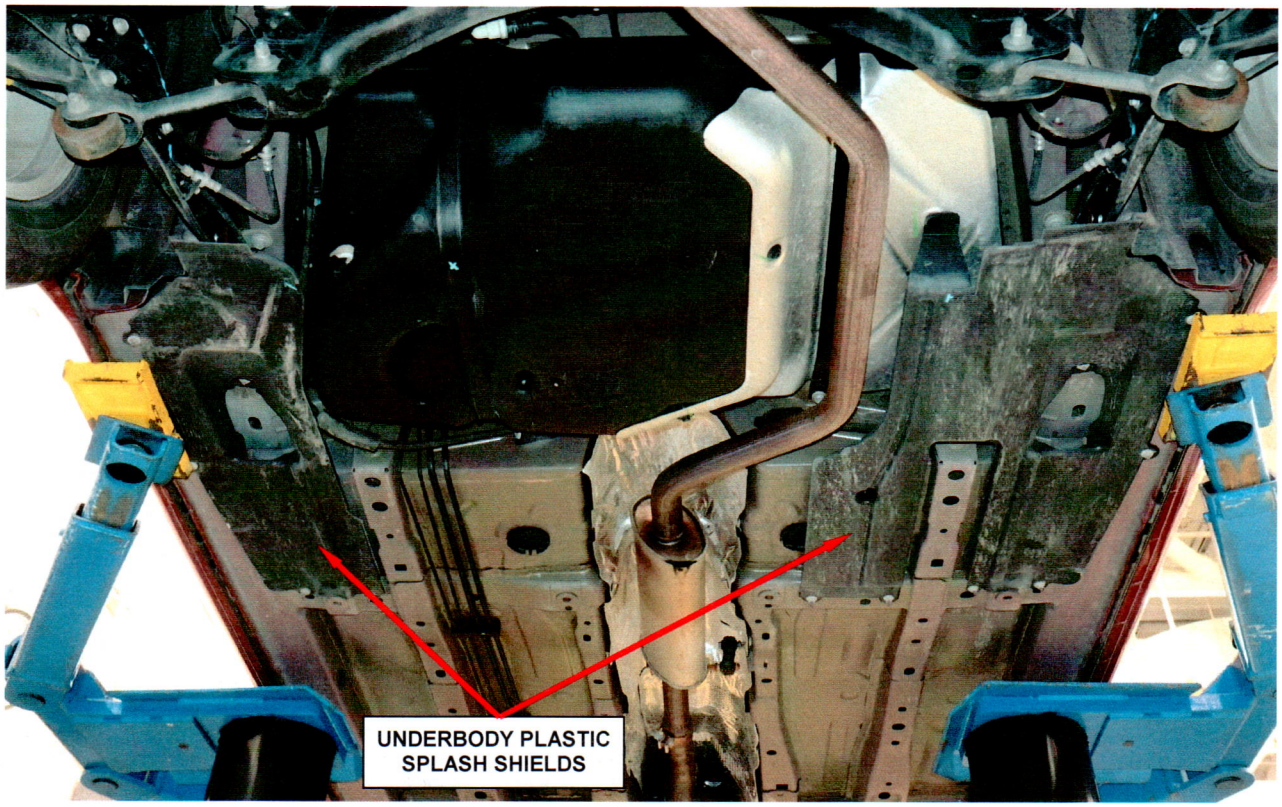


Figure 7 – Underbody Plastic Splash Shields

1. Lift the vehicle on an appropriate hoist.

2. Remove and save the left and right underbody plastic splash shields (Figure 7).

Service Procedure (Continued)

3. **For convertible models only**, remove and save exhaust system from the underbody exhaust connector back (Figure 8).

4. **For convertible models only**, remove and save the rear cross-brace front retaining bolts (Figure 9).

5. **For convertible models only**, place a small spacer block under the rear cross-brace forward mounting points to gain access for fuel tank removal (Figure 9).

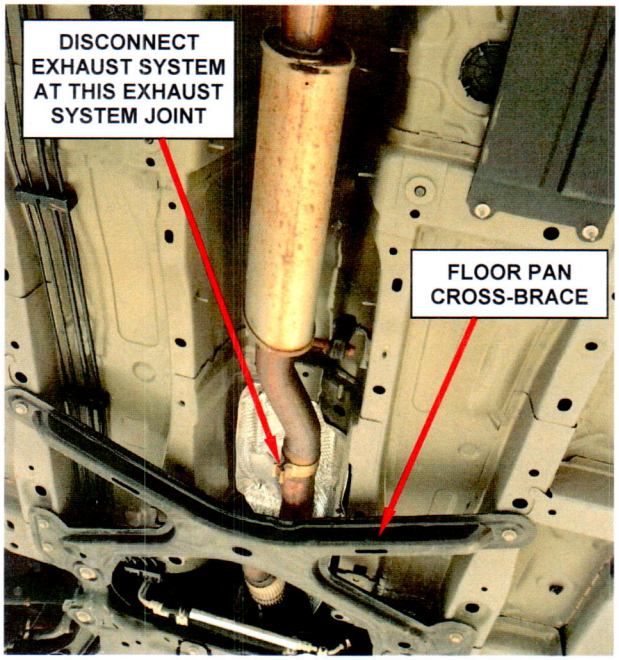


Figure 8 – Remove Exhaust System (Convertible Models)

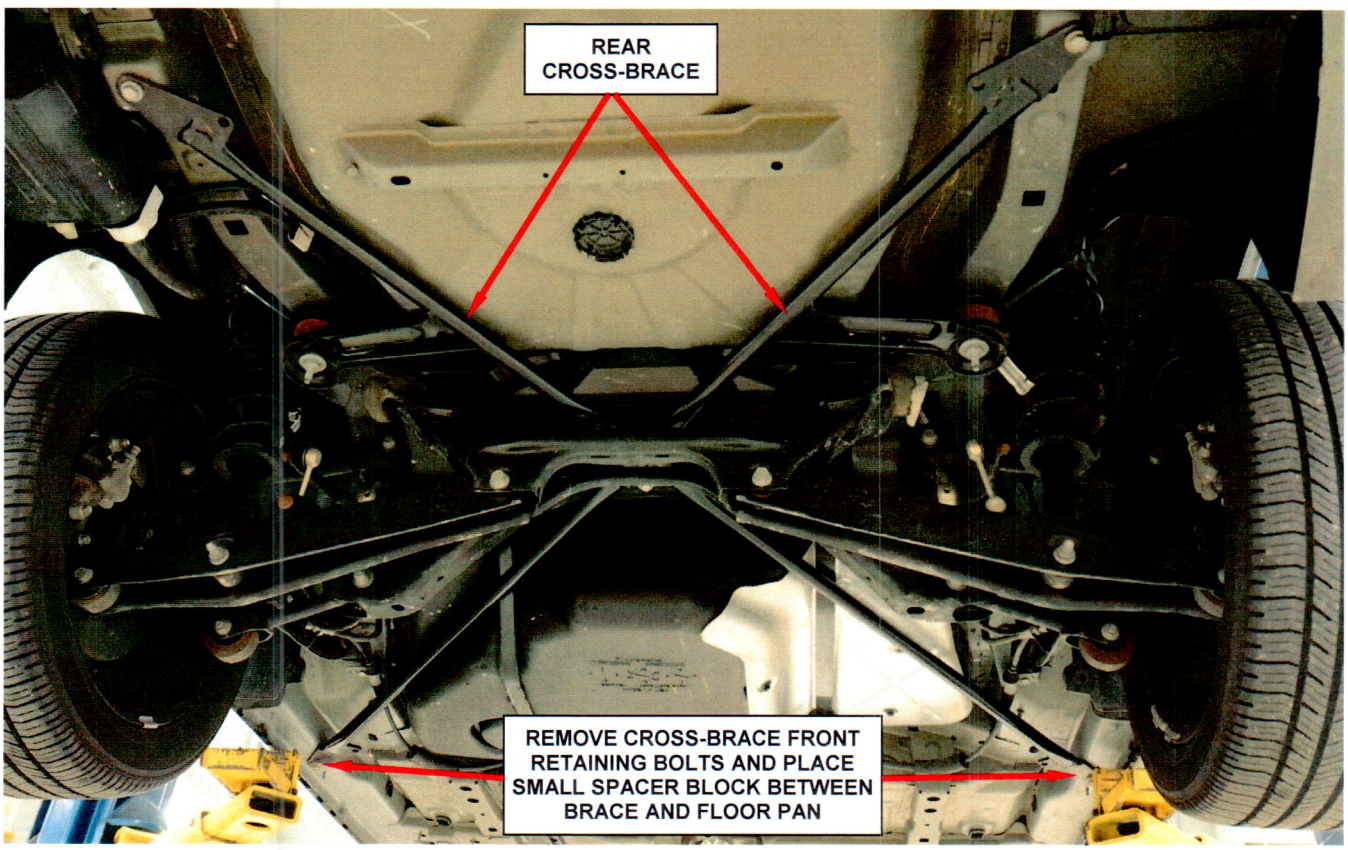


Figure 9 – Underbody Cross-Brace (Convertible Models)

Service Procedure (Continued)

6. Disconnect the fuel filler tube from the fuel tank fill port.
7. Disconnect the fuel supply hose at the fuel tank.
8. Disconnect the vapor canister vent hose at the fuel tank.
9. Disconnect the vapor canister control hose at the fuel tank.
10. Place a transmission jack under the fuel tank (Figure 10).
11. Remove and save the right and left fuel tank straps (Figure 10).
12. With the help of an assistant, carefully lower the fuel tank from the vehicle.
13. With the help of an assistant, remove the fuel tank from the transmission jack and place the fuel tank on the floor.

Figure 10 – Place Transmission Jack Under the Fuel Tank and Remove Tank Straps

Service Procedure (Continued)

14. Transfer the following components from the original fuel tank to the new fuel tank:
    - Fuel tank wiring (Figure 11).
    - Fuel tank heat shield (Figure 11).
    - Fuel tank fuel supply hose (Figure 11).
15. Place a new fuel pump module O-ring around the fuel pump module opening.
16. Place the original fuel pump module into the fuel tank opening (Figure 11).
17. Using the fuel pump module Lock Ring Wrench 9340 or equivalent, install the fuel pump module lock ring (Figure 11).
18. Connect the fuel supply hose to the fuel pump module (Figure 11).

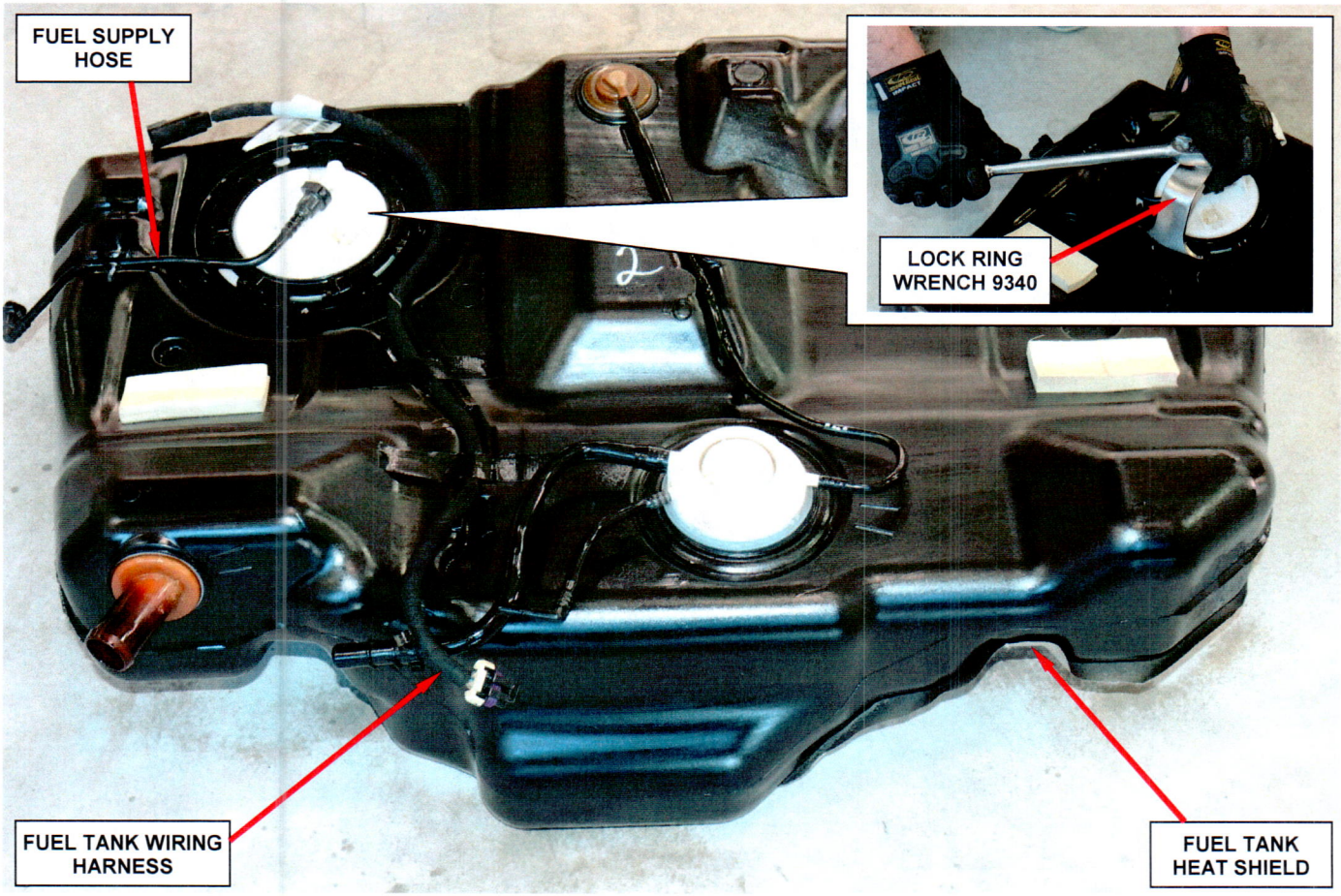


Figure 11 – Transfer Components from Original Fuel Tank to the New Fuel Tank

Service Procedure (Continued)

19. With the help of an assistant, place the fuel tank onto the transmission jack.

20. Raise the fuel tank into position and install the fuel tank mounting straps. Tighten the fuel tank strap bolts to 35 ft. lbs. (48 N·m).

21. Connect the vapor canister control hose at the fuel tank.

22. Connect the vapor canister vent hose at the fuel tank.

23. Connect the fuel supply hose at the fuel tank.

24. Connect the fuel filler tube to the fuel tank fill port.

25. **For convertible models only**, remove the spacer blocks placed under the cross-brace at the right and left forward cross-brace mounting points.

26. **For convertible models only**, install the rear cross-brace front retaining bolts. Tighten the bolts to 37 ft. lbs. (50 N·m).

27. **For convertible models only**, install the exhaust system.

28. Install the left and right underbody plastic splash shields (Figure 7).

Service Procedure (Continued)

29. Replace the vapor canister using the following procedure:

    a. Disconnect the inlet air vent hose at the vapor canister (Figure 12).

    b. Disconnect the fuel tank vent hose at the vapor canister (Figure 12).

    c. Disconnect the control hose at the vapor canister (Figure 12).

    d. Disconnect the vapor canister electrical connector (Figure 12).

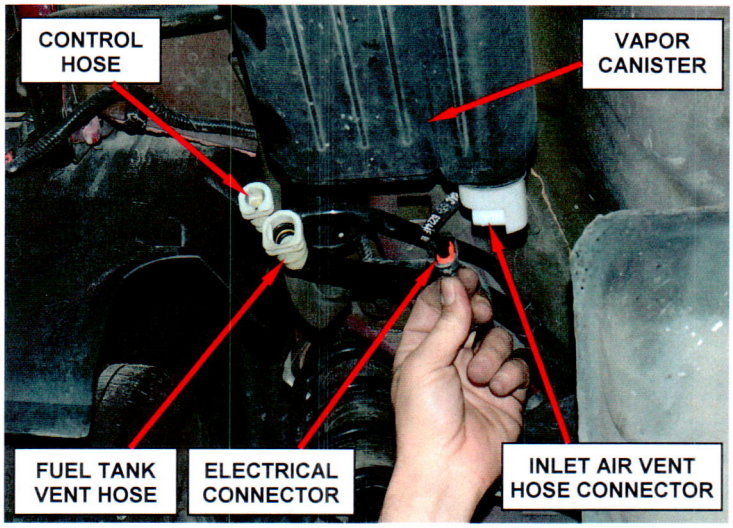


Figure 12 – Disconnect Hoses and Electrical Connector at Vapor Canister

    e. Remove and save the two vapor canister mounting nuts.

    f. Remove and discard the original vapor canister.

    g. Place the new vapor canister into position and start the mounting nuts. Tighten the nuts to 50 in. lbs. (5.5 N·m).

    h. Connect the vapor canister electrical connector (Figure 12).

    i. Connect the control hose at the vapor canister (Figure 12).

    j. Connect the fuel tank vent hose at the vapor canister (Figure 12).

    k. Connect the inlet air vent hose at the vapor canister (Figure 12).

30. Lower the vehicle from the hoist.

31. Connect the electrical connector at the fuel pump module (Figure 1).

32. Install the plastic fuel pump module access cover (Figure 1).

33. Install the rear seat cushion silencer pad and seat cushion (Figure 6).

35. Fill fuel tank with the same amount of fuel that was removed.

36. Connect the negative battery cable.

37. Continue with **Section C. Check for Fuel Leaks and Clear Diagnostic Trouble Codes (DTC's).**

Service Procedure (Continued)

C. Check for Fuel Leaks and Clear Diagnostic Trouble Codes (DTC's)

1. Connect the wiTECH VCI pod to the vehicle data link connector located to the right of the park brake pedal.
2. Place the ignition in the "**RUN**" position.
3. Open the wiTECH Diagnostic application.
4. Starting at the **"Select Tool"** screen, highlight the row/tool for the wiPOD device you are using. Then select "**Next**" at bottom right side of the screen.
5. Enter your "**User id**" and "**Password**", then select "**Finish**" at the bottom of the screen.
6. From the "**Vehicle View**" screen, select the "PCM" icon.
7. Select the "**Actuator**" tab.
8. Highlight "**Fuel Pump Relay Control State**" and select the green arrow.
9. Check the fuel system for leaks.
10. Select "**Stop All Actuators**".
11. Return to the "**Vehicle View**" screen.
12. From the "**Vehicle View**" screen, click on "**All DTC's**" tab.
13. Select "**Clear Stored DTC's**" tab located on the right side of the screen.
14. Click "**OK**" on the Pop-Up screen.
15. Remove the wiTECH equipment from the vehicle.

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:

	Labor Operation Number	Time Allowance
Inspect fuel tank control valve for damage	14-N0-21-81	1.0 hours
Inspect fuel tank control valve for damage, replace fuel tank, vapor canister, and clear DTC's (**sedan models**)	14-N0-21-82	1.8 hours
Inspect fuel tank control valve for damage, replace fuel tank, vapor canister, and clear DTC's (**convertible models**)	14-N0-21-83	2.1 hours

Add the cost of the recall parts package plus applicable dealer allowance to your claim.

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

CHRYSLER

SAFETY RECALL N02 / NHTSA 13V-043
FUEL TANK CONTROL VALVE

Dear: (Name)

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Chrysler has decided that a defect, which relates to motor vehicle safety, exists in some **2013 model year Dodge Avenger and Chrysler 200 sedan and convertible vehicles.**

Chrysler is working as quickly as possible to obtain inspection mirrors for these vehicles to complete the repair procedure. Chrysler anticipates that the dealers will have inspection mirrors to begin repairs in about 3 weeks.

The problem is... **The fuel tank control valve on your vehicle** (VIN: xxxxxxxxxxxxxxxxx) **may have been damaged during the manufacturing process. A damaged fuel tank control valve could allow liquid fuel to fill the vapor canister. During the normal vapor canister purge cycle, liquid fuel would be drawn into the engine and could cause the engine to stall. A stalled engine could cause a crash under certain driving conditions. Additionally, a damaged fuel tank valve may result in fuel leakage, which in the presence of an ignition source, may lead to a fire.**

What your dealer will do... **Chrysler will repair your vehicle free of charge (parts and labor).** To do this, your dealer will inspect the fuel tank control valve. The inspection will take about one hour to complete. If a damaged valve is found, an additional hour will be required to replace the fuel tank and vapor canister. However, additional time may be necessary depending on service schedules.

What you must do to ensure your safety... Simply **contact your Chrysler, Jeep, or Dodge dealer** today to schedule a service appointment. To ensure part availability, **please schedule your service appointment no sooner than 3 weeks from receipt of this letter.** Ask dealers to hold the parts for your vehicle or to order them before your appointment. **Please bring this letter with you to your dealer.**

If you need help... If you have questions or concerns which your dealer is unable to resolve, please contact the Chrysler Group Recall Assistance Center at 1-800-853-1403.

California residents... The State of California requires the completion of emission related recall repairs prior to vehicle registration renewal. Your dealer will provide you with a Vehicle Emission Recall Proof of Correction Form after the recall service is performed. Be sure to save this form since the California Department of Motor Vehicles may require that you supply it as proof that the recall has been performed.

Please help us update our records by filling out the attached prepaid postcard if any of the conditions listed on the card apply to you or your vehicle. You may also update this information on the web at www.chrysler.com/ownersreg or www.dodge.com/ownersreg.

If you have already experienced this condition and have paid to have it repaired, please send your original receipts and/or other adequate proof of payment to the following address for reimbursement: Chrysler Customer Assistance, P.O. Box 21-8007, Auburn Hills, MI 48321-8007, Attention: Reimbursement. Once we receive and verify the required documents, reimbursement will be sent to you within 60 days.

If your dealer fails or is unable to remedy this defect without charge and within a reasonable time, you may submit a written complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Ave., S.E., Washington, DC 20590, or call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY 1-800-424-9153), or go to http://www.safercar.gov.

We're sorry for any inconvenience, but we are sincerely concerned about your safety. Thank you for your attention to this important matter.

Customer Services / Field Operations
Chrysler Group LLC
Notification Code N02

Note to lessors receiving this recall: Federal regulation requires that you forward this recall notice to the lessee within 10 days.