



May 16, 2012

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 12V-142

Enclosed are representative copies of communications relating to the 2012 model year vehicles involved in the referenced recall. Chrysler expects to notify dealers on May 18, 2012 and to begin owner notification during the week of May 21, 2012. The exact number of manufactured vehicles in the recall is 1,689.

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

Sincerely,

A handwritten signature in black ink, appearing to read "David D. Dillon".

David D. Dillon
Vehicle Compliance and Safety Affairs

Enclosure: Dealer and Owner Letter for Recall M11

cc: F. Borris



CHRYSLER

May 2012

Dealer Service Instructions for:

Safety Recall M11 / NHTSA 12V-142

Fuel Tank Roll-Over Valve

Models

2012 (MK) Jeep® Compass/Patriot

NOTE: This recall applies only to the above vehicles equipped with Four Wheel Drive (sales code 5I4) built from December 20, 2011 through January 05, 2012 (MDH 122007 through 010511).

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 roll-over valve on about 1,680 of the above vehicles may have been damaged during assembly. This could result in fuel leakage in the event of a vehicle impact or roll-over. Fuel leakage in the presence of an ignition source can result in an underbody fire.

Repair

The fuel tank assembly must be replaced.

Parts Information

<u>Part Number</u>	<u>Description</u>
CBA0M111AA	Fuel Tank Package

Each package contains the following components:

<u>Quantity</u>	<u>Description</u>
1	Tank, Fuel
1	O-Ring, Fuel Pump & Leveling Unit
1	O-Ring, Auxiliary Fuel Pump Module

Each dealer to whom vehicles in the recall were assigned will receive enough Fuel Tank Packages to service about 20% of those vehicles.

<u>Part Number</u>	<u>Description</u>
04874468	Lubricant, Mopar Gear & Axle (MS 9020)

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

Service Procedure

1. Release fuel system pressure using the following procedure:
 - a. Remove and save the two rear seat cushion retaining screws (Figure 1).
 - b. Remove and save the rear seat cushion.
 - c. Remove and save the seat cushion silencer pad.
 - d. Remove and save both plastic fuel pump module access covers (Figure 2).
 - e. Disconnect the electrical connector at both fuel pump modules.
 - f. Start and run engine until it stalls.
 - g. Attempt restarting engine until it will no longer run.
 - h. Turn the ignition key to the “OFF” position.
 - i. Place the transmission shifter lever in the “Neutral” position.

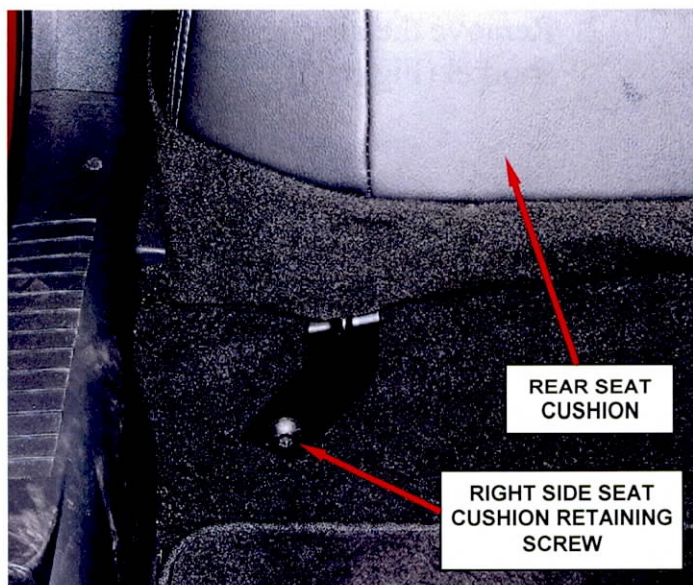


Figure 1 – Cushion Retaining Screw

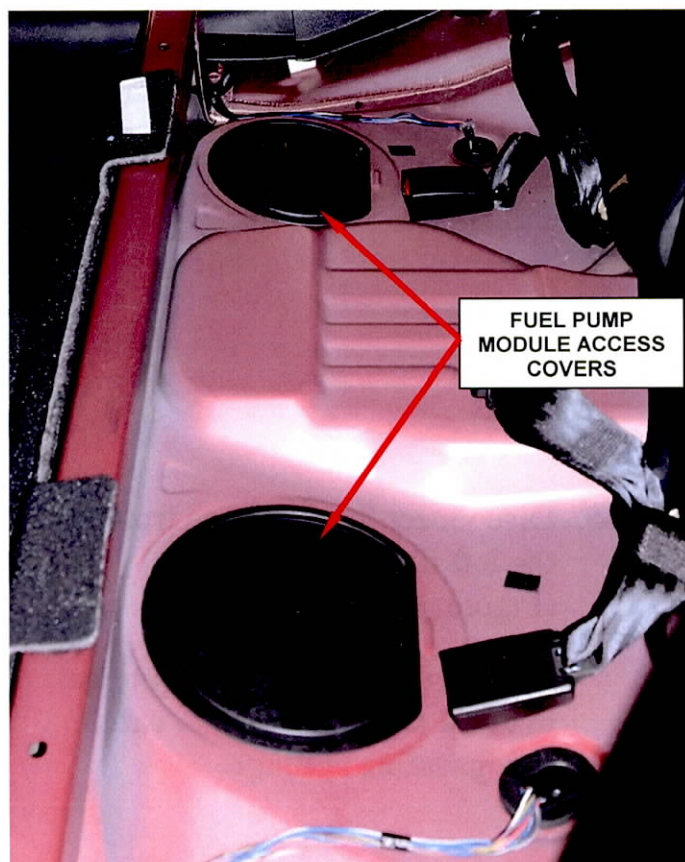


Figure 2 – Fuel Pump Access Covers

Service Procedure (Continued)

2. Remove the air cleaner inlet snorkel (Figure 3).
3. Disconnect and isolate the negative battery cable (Figure 3).

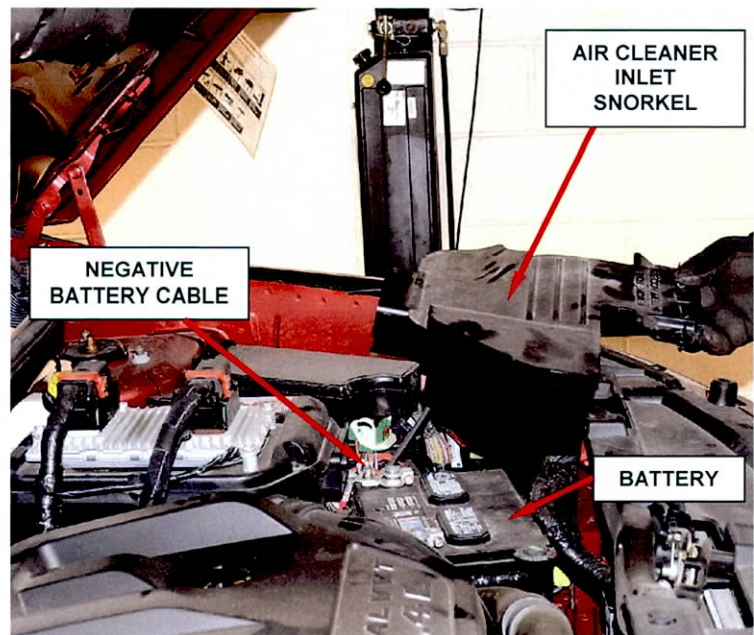


Figure 3 – Air Cleaner Inlet Snorkel

4. Using a shop vacuum, clean the top of fuel pump modules and fuel tank to remove loose dirt and debris.
5. Disconnect the fuel hose from the left fuel pump module (Figure 4).

CAUTION: Wrap a shop towel around the fuel hoses to catch any gasoline spillage.

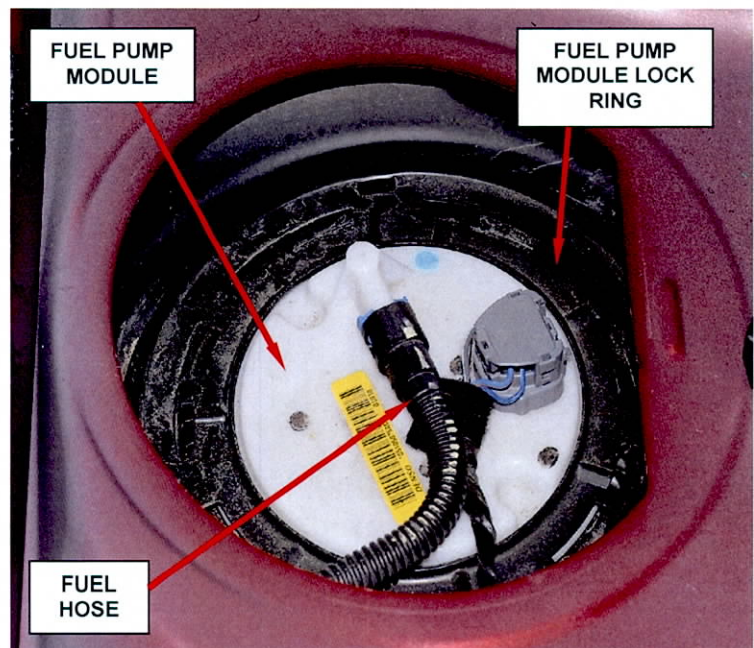


Figure 4 – Left Fuel Pump Module

Service Procedure (Continued)

6. Using the Fuel Pump module Lock Ring Wrench 9340 or equivalent, remove and save the left side fuel pump module lock ring (Figure 5).
7. Drain the fuel from the fuel tank.
8. Raise and support the vehicle on an appropriate hoist.
9. **For vehicles with skid plates**, remove and save the fuel tank skid plates.
10. Separate the exhaust pipe behind the catalytic converter and remove and save the engine exhaust system.
11. Remove and save the rear propeller shaft using the following procedure:
 - a. Mark the propeller shaft and pinion flange for proper installation (Figure 6).

CAUTION: Never allow the propeller shaft to hang while connected to the Power Transfer Unit (PTU), rear driveline module flange or center support bearing. If the propeller shaft section is hung unsupported, damage may occur to the joints, boots and/or center bearing from over-angulation.

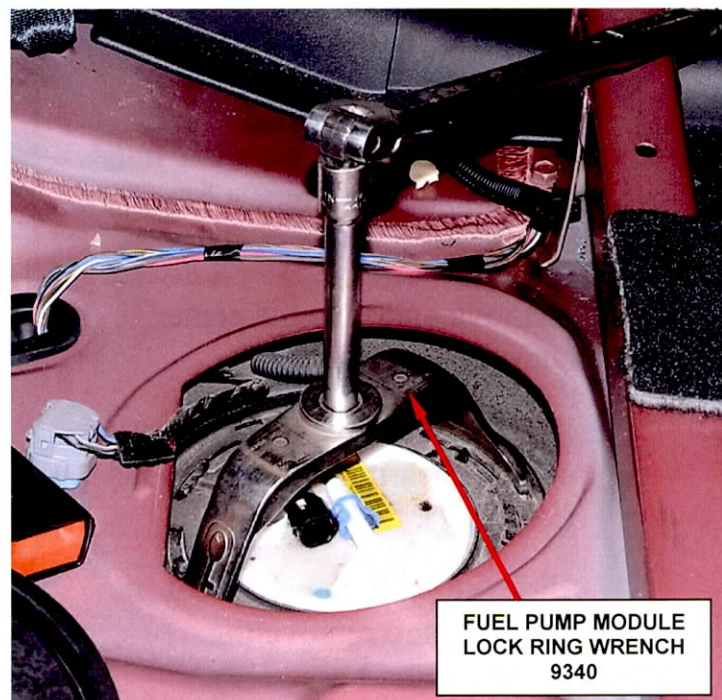


Figure 5 – Fuel Pump Module Lock Ring

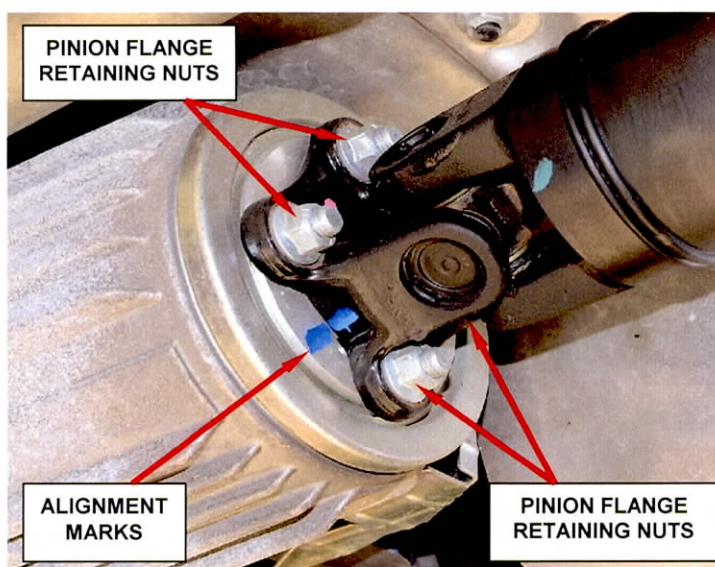
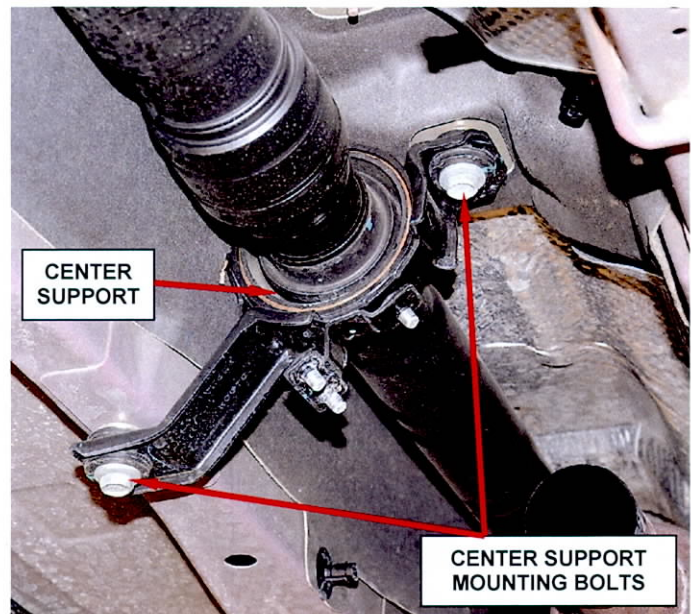


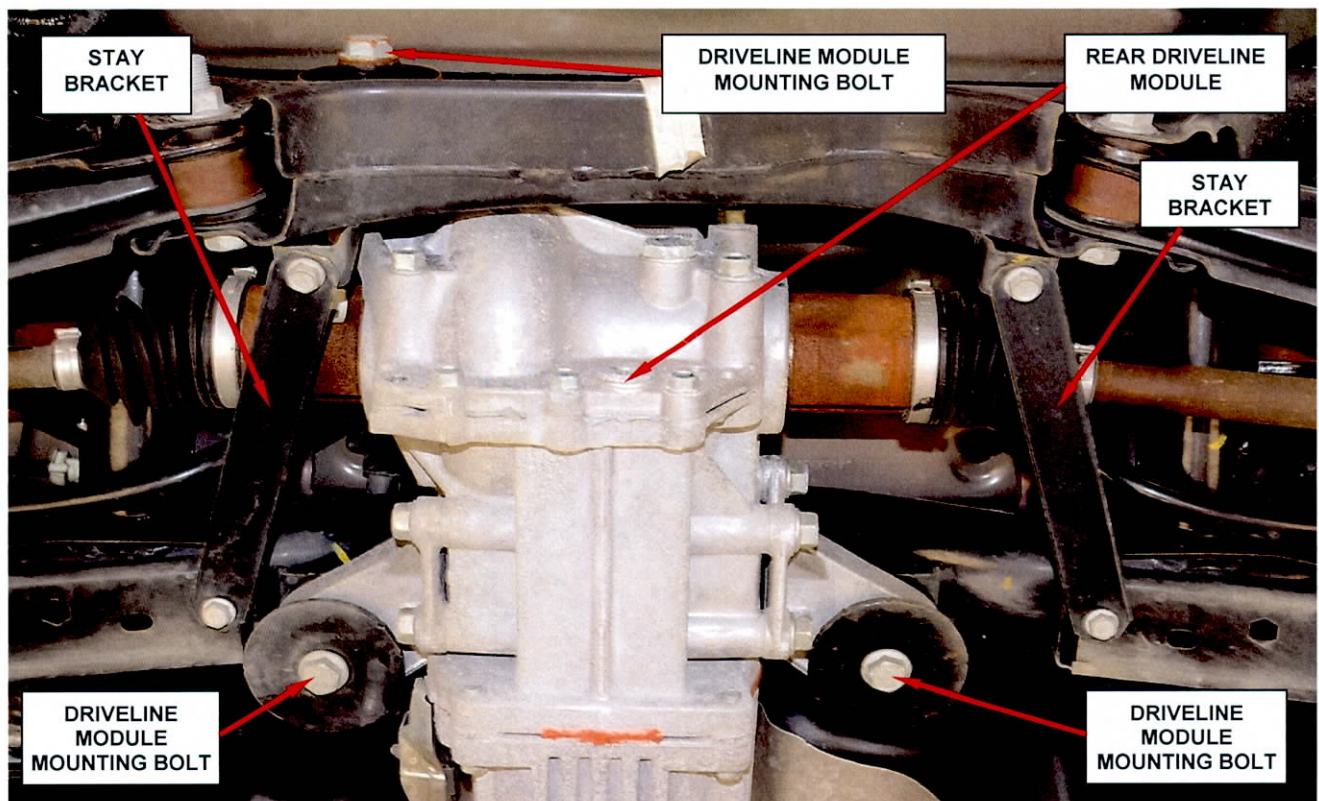
Figure 6 – Propeller Shaft at Pinion Flange

Service Procedure (Continued)

- b. Remove and save the four rear propeller shaft-to-pinion flange retaining nuts (Figure 6).
- c. Remove and save the three nuts from the center support heat shield.
- d. Remove and save the center support heat shield.
- e. Remove and save the two center support bearing retaining bolts (Figure 7).
- f. Slide the propeller shaft out of the PTU and remove the propeller shaft assembly.

**Figure 7 – Center Support Mounting Bolts**

12. Remove and save the stay brackets (Figure 8).

**Figure 8 – Rear Driveline Module**

Service Procedure (Continued)

13. Tie the rear driveline module to the rear suspension crossmember.
14. Support the rear driveline module.
15. Remove and save the three rear driveline module mounting bolts and lower the rear driveline module from the suspension crossmember (Figure 8).
16. Remove and save the splash shield.
17. Disconnect the vapor canister hose.
18. Disconnect the filler tube recirculation vent hose and purge hose.
19. Disconnect the rubber fill hose from the fuel tank.

CAUTION: There may be fuel in the fuel tank fill tube. Remove the hose carefully to reduce fuel splash.

20. Remove and save the parking brake cable mounting brackets from the fuel tank straps (Figure 9).
21. Support the fuel tank with an appropriate transmission jack.
22. Remove and save the bolts from the fuel tank straps.
23. Carefully lower the original fuel tank from the vehicle (Figure 10).

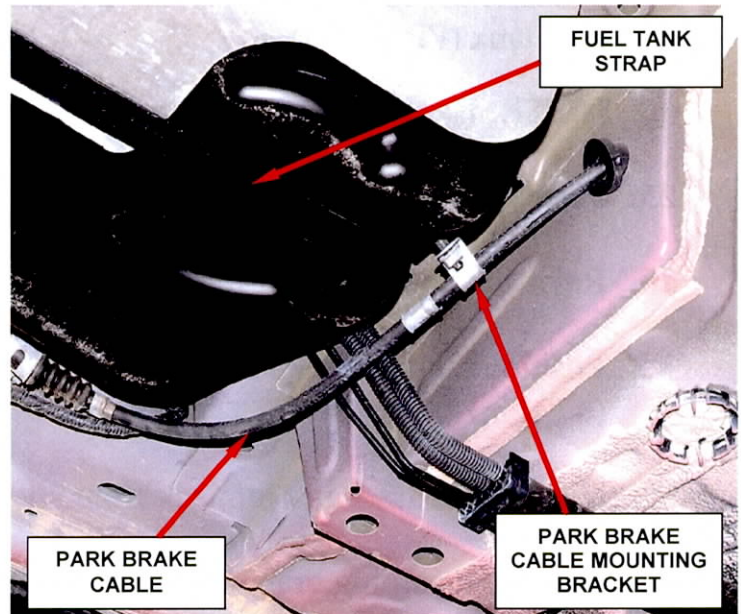


Figure 9 – Park Brake Cable (Left Side Shown)

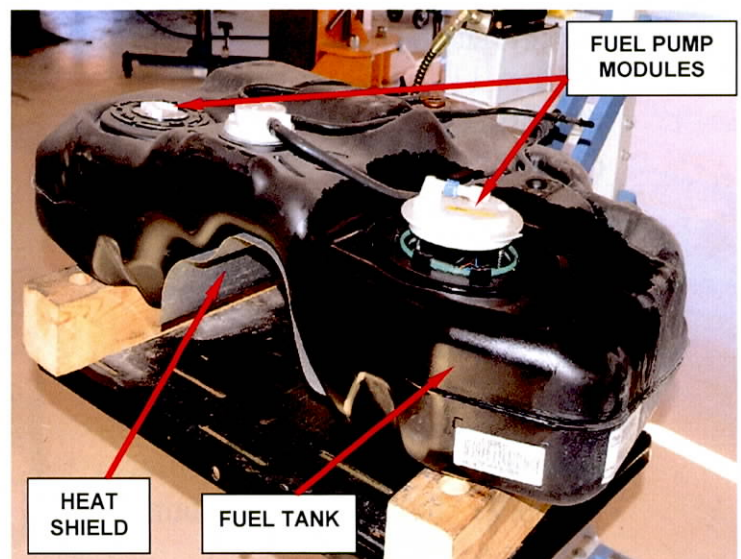


Figure 10 – Fuel Tank Assembly

Service Procedure (Continued)

24. Transfer the fuel pump modules and heat shield from the original tank to the new tank (Figure 10).

NOTE: Be sure to use the new rubber O-rings supplied in the fuel tank kit.

25. Place and secure the new fuel tank onto the transmission jack.
26. Raise the new fuel tank into position.
27. Position the fuel tank straps. Tighten the fuel tank strap bolts to 35 ft. lbs. (47 N·m).
28. Remove the transmission jack from under the fuel tank.
30. Install the parking brake cable brackets to the fuel tank straps (Figure 9).
31. Connect the filler tube recirculation vent hose and purge hose.
32. Connect the rubber fuel fill hose to the fuel tank inlet port. Tighten the hose clamp to 35 in. lbs. (4 N·m).
33. Place the rear driveline module into position (Figure 8). Tighten the three mounting bolts to 75 ft. lbs. (102 N·m).
34. Install the stay brackets (Figure 11). Tighten the mounting bolts to 18 ft. lbs. (24 N·m).
35. Install the splash shield.
36. Install the propeller shaft. Tighten the two center support bearing retaining bolts to 30 ft. lbs. (41 N·m) and the four propeller shaft-to-flange retaining nuts to 43 ft. lbs. (58 N·m) (Figure 6 and 7).

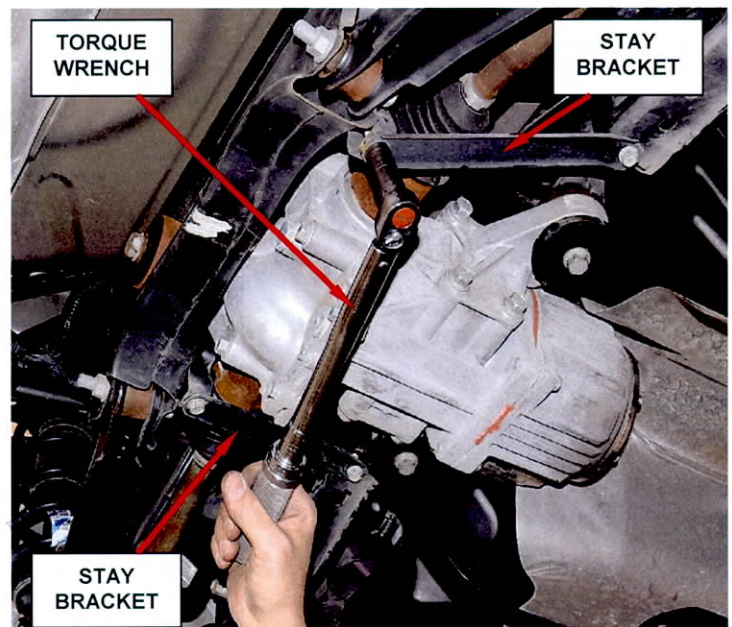
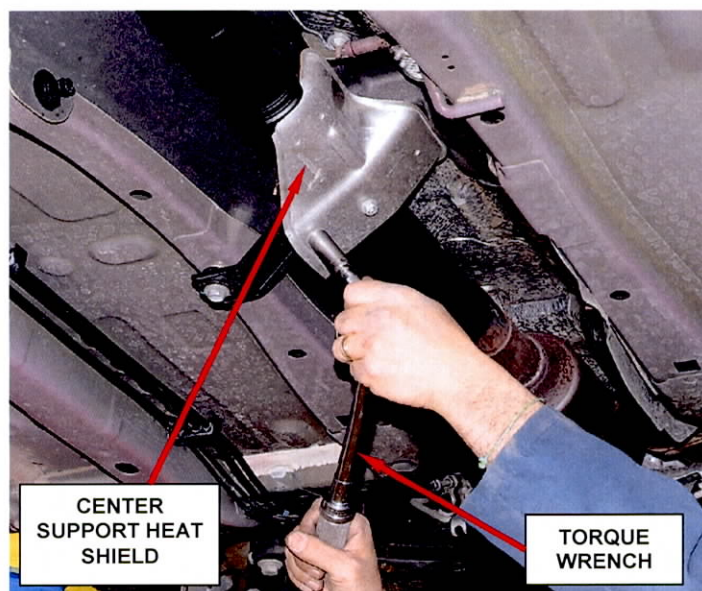


Figure 11 – Stay Brackets

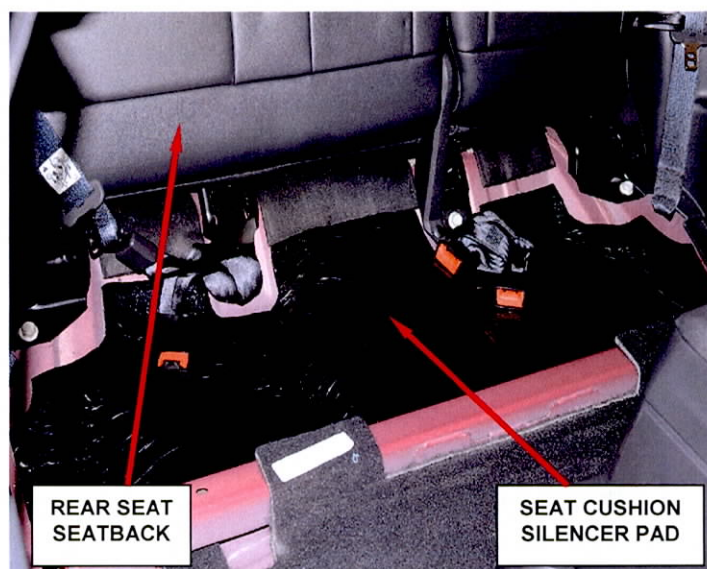
Service Procedure (Continued)

37. Install the center support heat shield (Figure 12). Tighten the retaining nuts to 15 ft. lbs. (21 N·m).
38. Install the exhaust system.
39. **For vehicles with skid plates,** install the fuel tank skid plates.
40. Remove the front suspension splash shield and check the Power Transfer Unit (PTU) fluid level. The fluid level should be even with the bottom of the PTU fill hole. After filling the PTU, tighten the fill plug to 24 ft. lbs. (32 N·m).

**Figure 12 – Center Support Heat Shield**

NOTE: Use Mopar 80W-90 Gear & Axle lubricant (P/N 04874468).

41. Install the front suspension splash shield.
42. Lower the vehicle from the hoist.
43. Connect the electrical connector, and lock the connector, for the right and left fuel pump module.
44. Connect the fuel hose to the left fuel pump module.
45. Install both plastic fuel pump module access covers.
47. Install the seat cushion silencer pad (Figure 13).
48. Install the rear seat cushion. Tighten the two rear seat retaining screws securely (Figure 1).
49. Connect the negative battery cable.

**Figure 13 – Seat Cushion Silencer Pad**

Service Procedure (Continued)

50. Install the air cleaner inlet snorkel (Figure 3).
51. Fill the fuel tank with fuel that was removed in Step 7.
52. Open a wiTECH session and connect the wiTECH VCI pod to the vehicle data link connector located under the steering column.
53. Use the wiTECH scan tool to pressurize the fuel system and check for fuel leaks.
54. Using the wiTECH scan tool, clear all Diagnostic Trouble Codes (DTC's).
55. Remove the wiTECH VCI pod 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 the following labor operation number and time allowance:

	<u>Labor Operation Number</u>	<u>Time Allowance</u>
Replace fuel tank assembly and erase all DTC's	14-M1-11-82	2.4 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



SAFETY RECALL M11 / NHTSA 12V-142

FUEL TANK ROLL-OVER 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 **2012 model year Jeep® Compass and Patriot vehicles equipped with four wheel drive.**

The problem is... The fuel tank roll-over valve on your vehicle (VIN: xxxxxxxxxxxxxxxxxxxx) may have been damaged during assembly. This could result in fuel leakage in the event of a vehicle impact or roll-over. Fuel leakage in the presence of an ignition source can result in an underbody fire.

What your dealer will do... Chrysler will repair your vehicle free of charge (parts and labor). To do this, your dealer will replace the fuel tank. The work will take about 2½ hours to complete. 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 right away to schedule a service appointment. Ask the dealer 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 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.jeep.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 M11

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