CHRYSLER

April 17, 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-141

Enclosed are representative copies of communications relating to the 2012 model year vehicles involved in the referenced recall. Chrysler expects to notify dealers on April 20, 2012 and to begin owner notification during the week of April 23, 2012. The exact number of manufactured vehicles in the recall is 289.

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

Sincerely,

For → David D. Dillon
Vehicle Compliance and Safety Affairs

Enclosure: Dealer and Owner Letter for Recall M13

cc: F. Borris

CHRYSLER

April 2012

Dealer Service Instructions for:

Safety Recall M13 / NHTSA 12V-141
Right Rear Wheel Hub and Bearing

Models

2012 (RT) Dodge Grand Caravan and Chrysler Town & Country

NOTE: This recall applies only to the above vehicles built from November 15, 2011 through November 16, 2011 ***(MDH 111517 through 111623).***

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 right rear wheel hub and bearing assembly on about 280 of the above vehicles may have been improperly manufactured. The bearing could fail and cause a separation of the right rear wheel from the vehicle. This could cause a crash without warning.

Repair

The right rear wheel hub and bearing must have the date code inspected. Right rear wheel hub and bearings with a particular date code must be replaced.

Parts Information

Part Number	Description
05154198AC	**Hub and Bearing, Rear Wheel** (includes wheel speed sensor and wiring)

Special Tools

No special tools are required to perform this service procedure.

Service Procedure

A. Inspect the Rear Wheel Hub and Bearing Date Code

1. Raise the vehicle on an appropriate hoist.
2. Remove the right rear tire/wheel assembly.
3. Clean the inside of the wheel centering hub and inspect the date code (Figure 1):
   - If the date code **is not GTN11A**, the right rear wheel bearing does not need to be replaced. Install the wheel assembly, tighten the lug nuts to 100 ft. lbs. (135 N·m), lower the vehicle from the hoist and return the vehicle to the customer.
   - If the date code **is GTN11A** (or is not legible), replace the right rear wheel bearing. Continue with **Section B. Replace the Right Rear Wheel Hub and Bearing**.

Figure 1 – Inspect the Right Rear Wheel Hub and Bearing Date Code

Service Procedure (Continued)

B. Replace the Right Rear Wheel Hub and Bearing

NOTE: The following procedure is required if the right rear wheel hub and bearing requires replacement per the inspection in Section "A."

1. Disconnect the negative battery cable.
2. Remove and save the section of exhaust heat shield above exhaust pipe that covers the wheel speed sensor wiring connector (Figure 2).
3. Disconnect the vehicle wiring harness from the wheel speed sensor wiring connector.

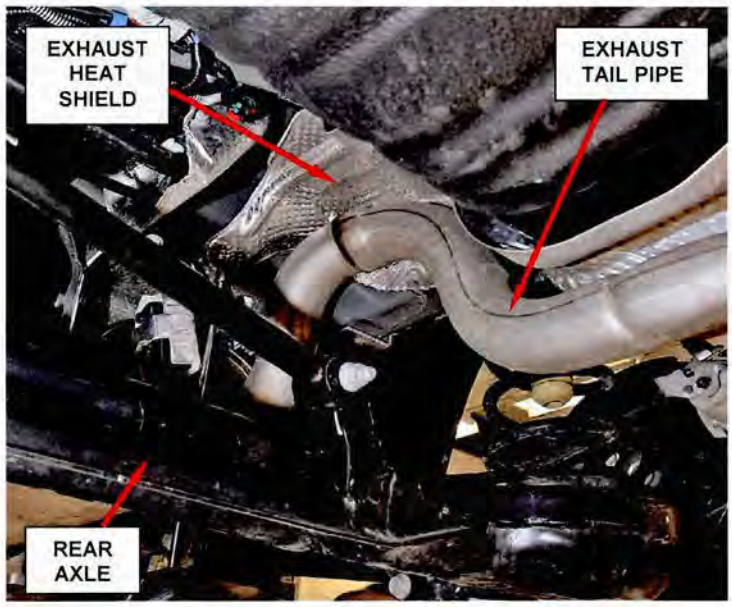

Figure 2 – Exhaust Heat Shield

4. Remove the wheel speed sensor wiring harness from the routing clips along the underbody of the vehicle (Figure 3).

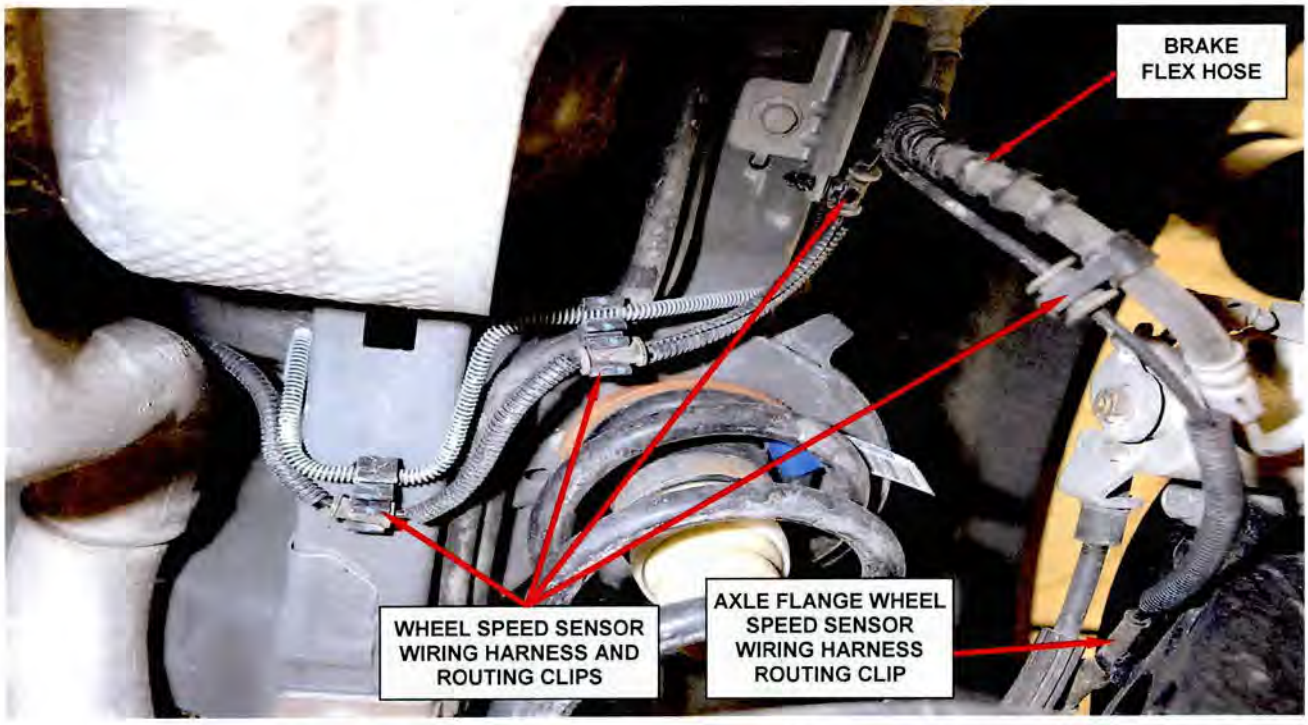

Figure 3 – Wheel Speed Sensor Wiring Harness Routing Clips

Service Procedure (Continued)

5. Remove the wheel speed sensor wiring harness from the routing clips along the brake flex hose (Figure 3).

6. Remove the wheel speed sensor wiring harness routing clip from the backside of the rear axle flange (Figure 3).

7. Remove and save the two bolts securing the disc brake caliper and adapter bracket to the axle (Figure 4).

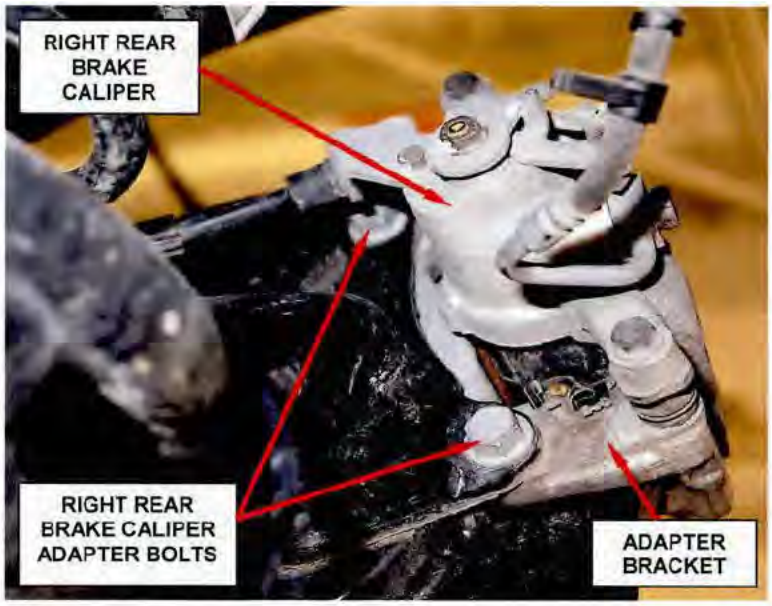

Figure 4 – Right Rear Brake Caliper Adapter Bolts

8. Remove the disc brake caliper and adapter bracket from the axle as an assembly. Hang the caliper assembly out of way using wire or a bungee cord (Figure 5).

CAUTION: Use care not to overextend the rubber flex hose.

9. If equipped, remove and discard any brake rotor retaining clips and then slide the brake rotor off the hub and bearing assembly.

10. Remove and save the four mounting bolts securing the hub and bearing assembly to the axle.

11. Remove the hub and bearing assembly with the wheel speed sensor and wire attached.

12. Separate the brake shield from the hub and bearing assembly.

Figure 5 – Hang Caliper with Bungee Cord

Service Procedure (Continued)

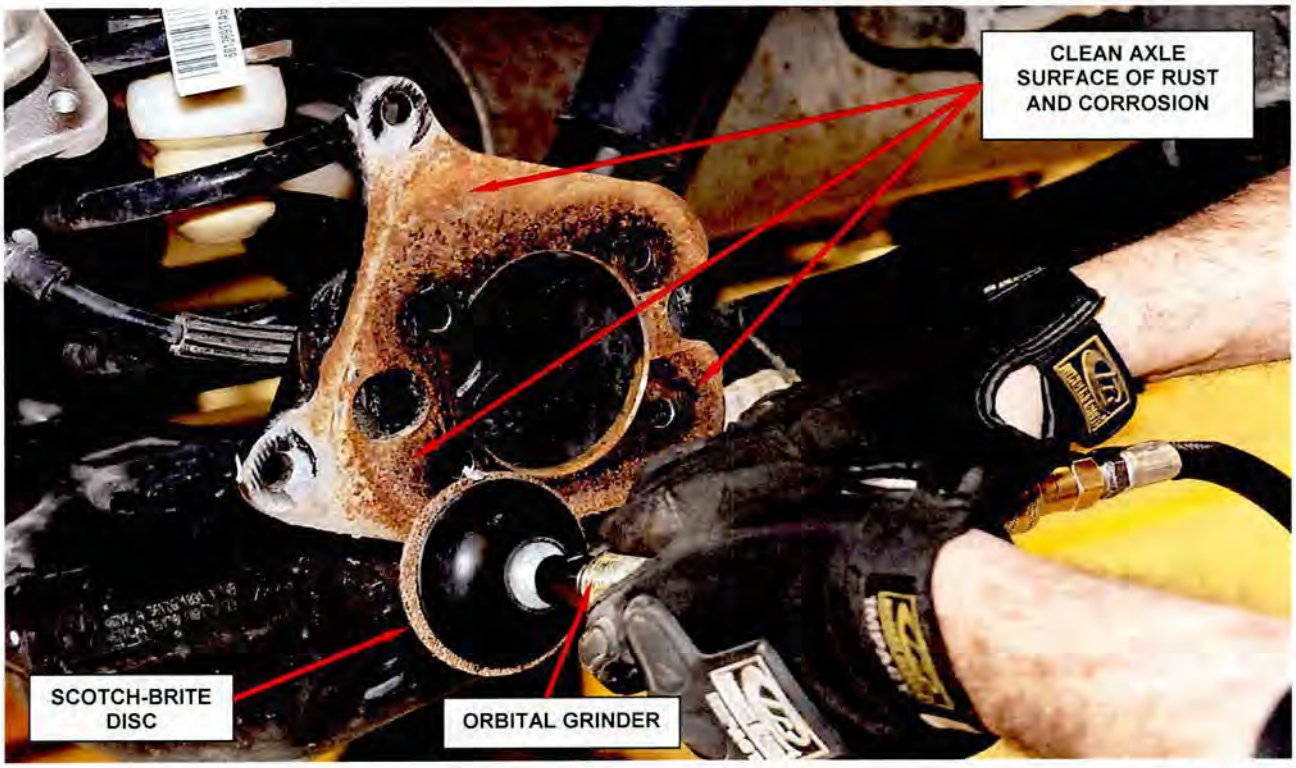

Figure 6 – Clean Axle Mounting Surface

13. Using a Scotch-Brite pad or equivalent, clean the axle mounting surface and the brake shield mounting surfaces.

    CAUTION: The hub and bearing mounting surfaces on the axle and brake shield must be smooth and completely free of foreign material and/or nicks prior to installing the hub and bearing assembly.

14. Position the original brake shield on the new hub and bearing assembly.

15. Route the wheel speed sensor wiring harness through the access hole in the brake shield.

16. Install the new hub and bearing assembly with the wheel speed sensor attached and brake shield squarely onto the end of axle.

17. Install the four mounting bolts securing the hub and bearing assembly to the axle. Tighten the four mounting bolts to 41 ft. lbs. (55 N·m).

Service Procedure (Continued)

18. Install the brake rotor over the hub and bearing assembly (Figure 7).

19. Install the disc brake caliper and adapter bracket over the axle and rotor as an assembly.

20. Install the two bolts securing the disc brake caliper adapter bracket to the axle (Figure 4). Tighten the mounting bolts to 74 ft. lbs. (100 N·m).

21. Install the wheel speed sensor wiring harness routing clip into the hole in the backside of the rear axle flange (Figure 3).

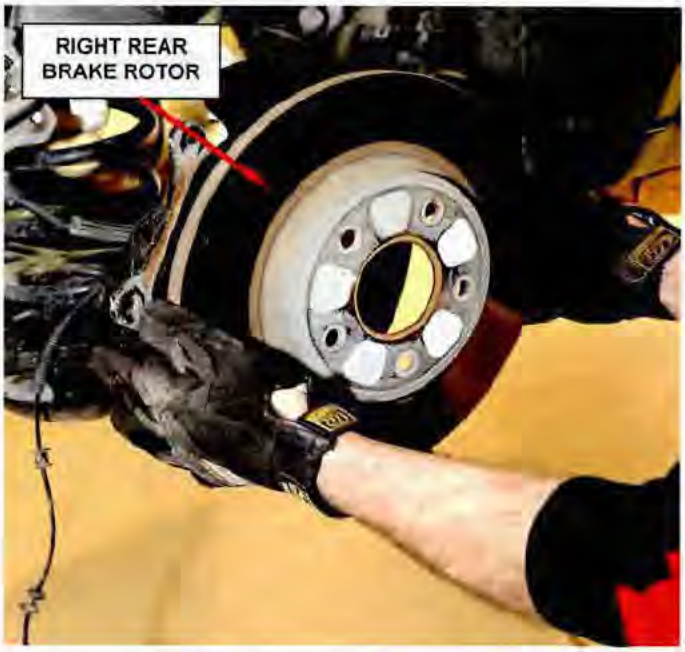

Figure 7 – Install Brake Rotor

22. Install the wheel speed sensor wiring harness into the routing clips along the brake flex hose (Figure 3).

23. Install the wheel speed sensor wiring harness into the routing clips along the underbody of the vehicle (Figure 3).

24. Connect the vehicle wiring harness connector to the wheel speed sensor wiring connector.

25. Install the exhaust heat shield located above the exhaust pipe (Figure 2).

26. Partially lower the vehicle from the hoist.

27. Install the tire/wheel assembly. Tighten the wheel mounting nuts to 100 ft. lbs. (135 N·m).

28. Lower the vehicle from the hoist.

29. Connect the negative battery cable.

30. Pump the brake pedal several times to ensure the vehicle has a firm brake pedal before moving the vehicle.

31. 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:

	Labor Operation Number	Time Allowance
Inspect right rear wheel hub and bearing date code	05-M1-31-81	0.2 hours
Inspect right rear wheel hub and bearing date code and replace right rear wheel hub and bearing	05-M1-31-82	0.6 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