



March 2014

Dealer Service Instructions for:

# **Safety Recall P03 / NHTSA 14V-034**

## **Flexible Rubber Brake Hoses**

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### **Models**

**2014 (VF) RAM ProMaster**

*NOTE: This recall applies only to the above vehicles built through November 15, 2013 (MDH 111516).*

*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 flexible rubber brake hoses on about 6,800 of the above vehicles may have been damaged during the vehicle assembly process. A damaged flexible rubber brake hose could cause a brake fluid leak and increase the vehicle's stopping distance. This could cause a crash without warning.

### **Repair**

The flexible rubber brake hoses must be inspected and replaced, if damaged.

**Parts Information**

<u>Part Number</u>	<u>Description</u>
<b>68099237AB</b>	<b>Hose, Front (right or left side)</b>
<b>68135180AC</b>	<b>Hose, Rear (right or left side)</b>
<b>04549625AD</b>	<b>Fluid, Brake (DOT 4)</b>

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

**Special Tools**

No special tools are required to perform this service procedure.

**Service Procedure****A. Inspect Rubber Flexible Brake Hoses**

1. Lift the vehicle on a suitable hoist.
2. Visually inspect the flexible rubber brake hose at each wheel. Inspect each brake hose from the vehicle body to the brake caliper (Figure 1). Also feel the brake hose for any cuts or damage:

**NOTE: Use a hand-held mirror to inspect the back side of the flexible rubber brake hose.**

- If the four brake hoses have no cuts, abrasions or damage, lower the vehicle from the hoist and return the vehicle to the customer.
- If the front and/or rear brake hose(s) are found with cuts, abrasions or damage, proceed with the appropriate section in this recall to replace the flexible rubber brake hose(s).

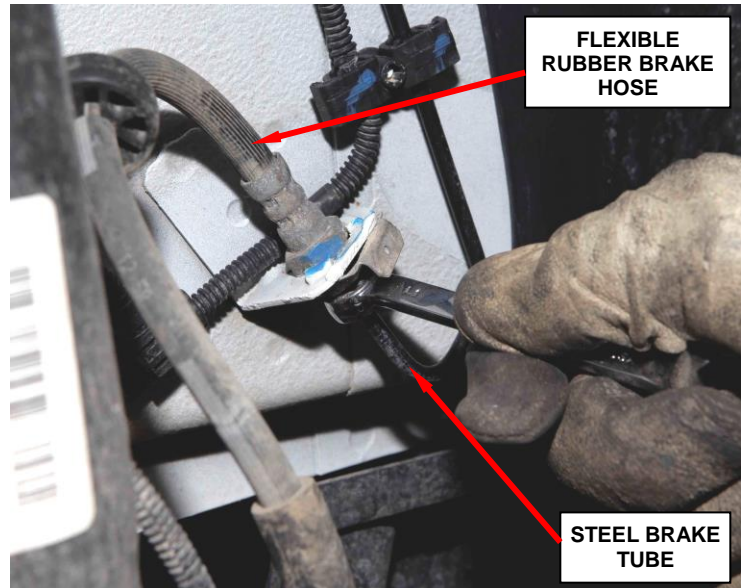


**Figure 1 – Inspect Flexible Rubber Brake Hoses at each Brake Caliper (right front wheel shown)**

**Service Procedure (Continued)**

**B. Replace Front Flexible Rubber Brake Hose(s)**

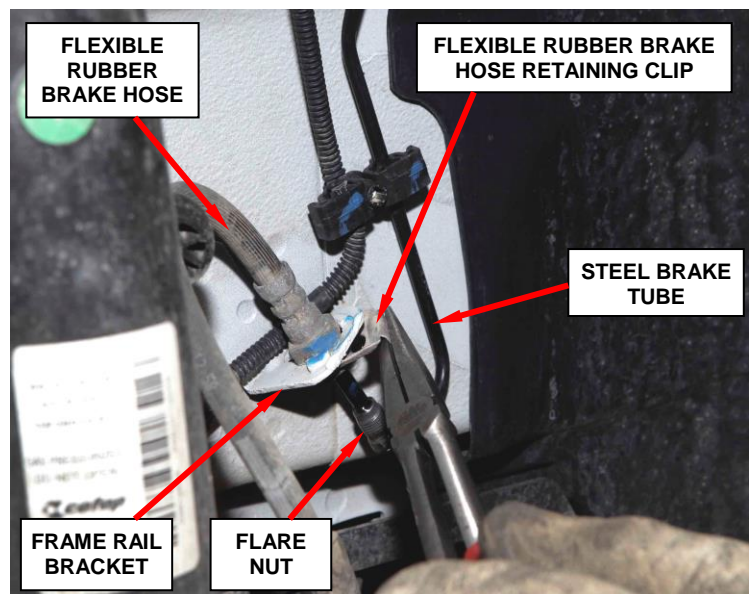
1. Using a brake pedal holding tool, depress the brake pedal past its first one inch (25 mm) of travel and hold it in this position. This will isolate the master cylinder from the brake hydraulic system and will not allow the brake fluid to drain out of the master cylinder reservoir when the brake hose is removed.
2. Remove and save the front wheel and tire assembly.



**Figure 2 – Steel Brake Tube Flare Nut**

3. Place a drain pan under the brake caliper to catch any brake fluid that is lost during the hose replacement.

4. Disconnect the steel brake tube flare nut from the flexible rubber brake hose fitting at the frame rail (Figure 2).

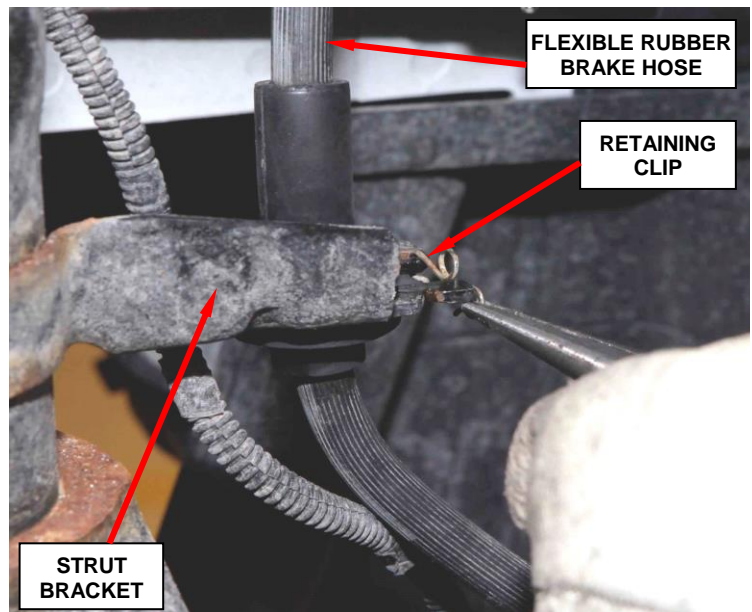


**Figure 3 – Flexible Rubber Brake Hose Retaining Clip**

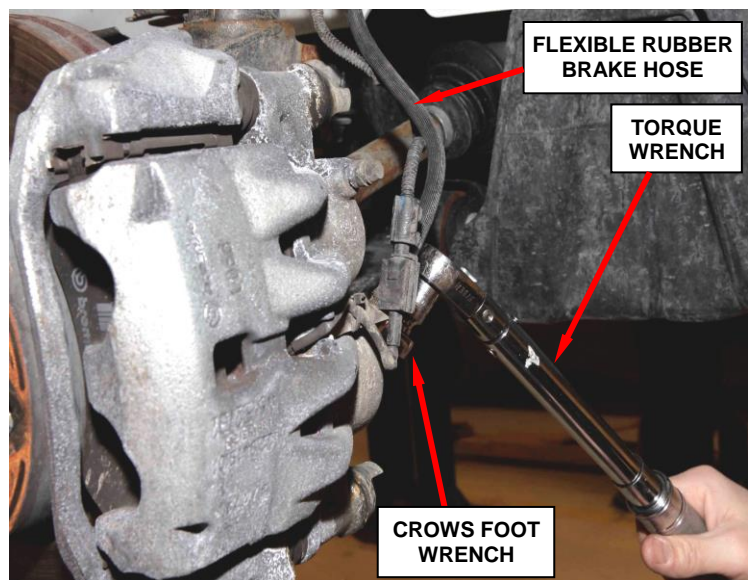
5. Remove and save the flexible rubber brake hose retaining clip at the frame rail bracket (Figure 3).

**Service Procedure (Continued)**

6. Remove and save the flexible rubber brake hose retaining clip at the strut bracket (Figure 4).
7. Pull the flexible rubber brake hose out of the strut bracket.
8. Disconnect the flexible rubber brake hose from the brake caliper.
9. Discard the original flexible rubber brake hose.
10. Screw the new flexible rubber brake hose into the brake caliper fitting. Tighten the flexible rubber brake hose fitting to 13 ft. lbs. (18 N·m) (Figure 5).
11. Install the flexible rubber brake hose into the strut bracket.
12. Install the flexible rubber brake hose retaining clip at the strut bracket.
13. Route the flexible rubber brake hose to the frame rail bracket and connect the steel brake tube flare nut to the flexible rubber brake hose fitting. Do not tighten the flare nut at this time.
14. Place the flexible rubber brake hose fitting into position in the frame rail bracket and install the retaining clip.



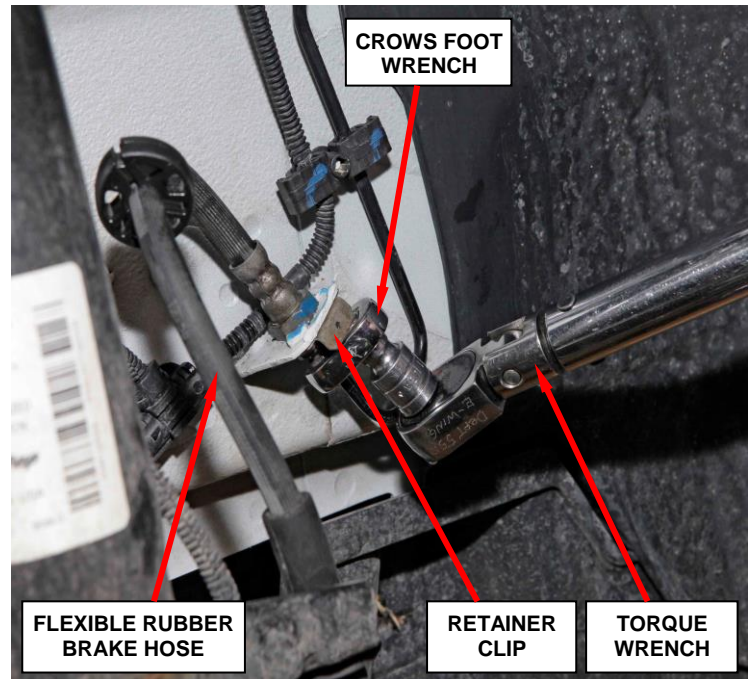
**Figure 4 – Strut Bracket Clip**



**Figure 5 – Tighten Flexible Rubber Brake Hose at the Brake Caliper**

**Service Procedure (Continued)**

15. Tighten the steel brake tube flare nut to 13 ft. lbs. (18 N·m).
16. Repeat steps 2 through 15 if the opposite front flexible rubber brake hose requires replacement.



**Figure 6 – Tighten Steel Brake Tube Flare Nut**

17. Continue to **Section C. Replace Rear Brake Hose(s)** if rear flexible rubber brake hose(s) require replacement.
18. Continue with **Section D. Bleed Hydraulic Brakes System** if rear flexible rubber brake hose(s) do not require replacement.

## Service Procedure (Continued)

### C. Replace Rear Flexible Rubber Brake Hose(s)

1. **If not already performed**, using a brake pedal holding tool, depress the brake pedal past its first one inch (25 mm) of travel and hold it in this position. This will isolate the master cylinder from the brake hydraulic system and will not allow the brake fluid to drain out of the master cylinder reservoir when the brake hose is removed.
2. Remove and save the rear wheel and tire assembly.
3. Place a drain pan under the brake caliper to catch any brake fluid that is lost during the hose replacement.
4. Disconnect the steel brake tube flare nut from the flexible rubber brake hose fitting at the frame rail bracket (Figure 7).
5. Remove and save the flexible rubber brake hose retaining clip at the frame rail bracket (Figure 8).

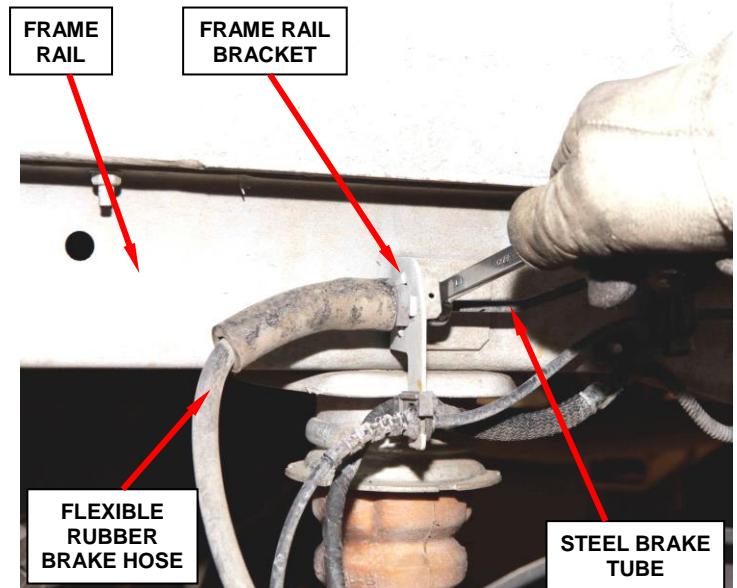


Figure 7 – Steel Brake Tube Flare Nut

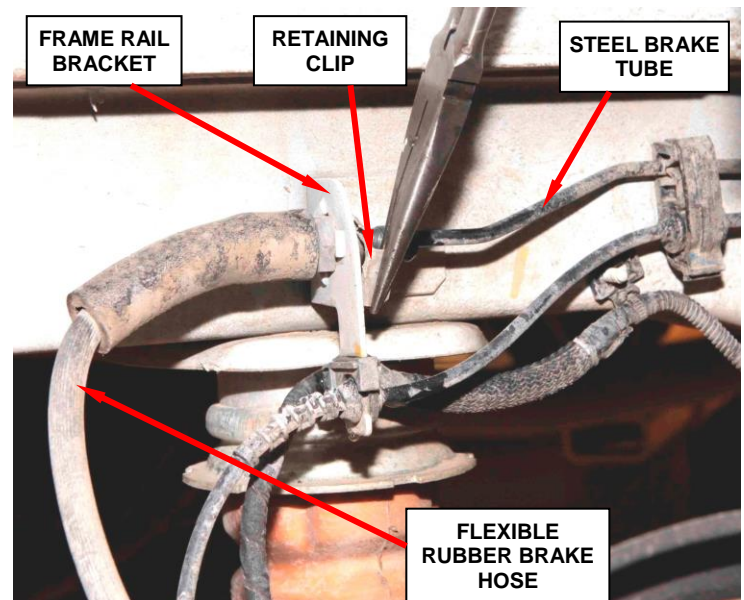
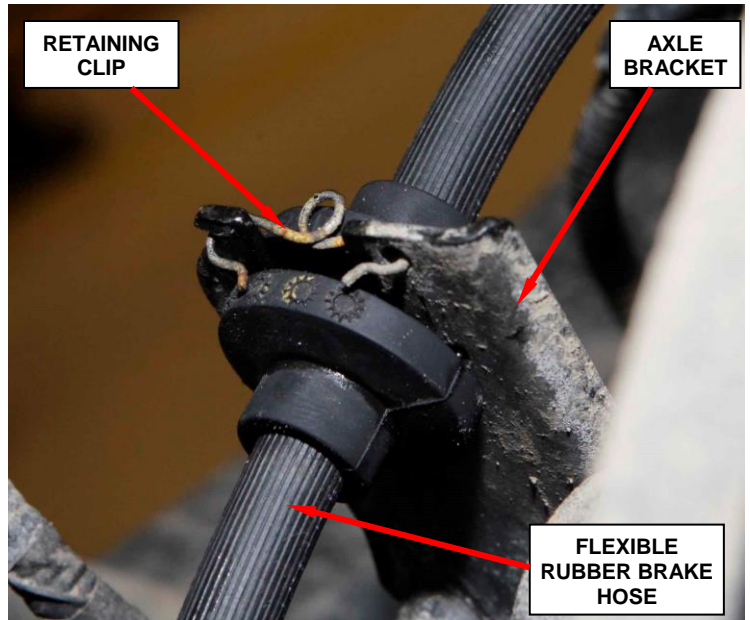


Figure 8 - Flexible Rubber Brake Hose Retaining Clip

**Service Procedure (Continued)**

6. Remove and save the flexible rubber brake hose retaining clip at the axle bracket (Figure 9).

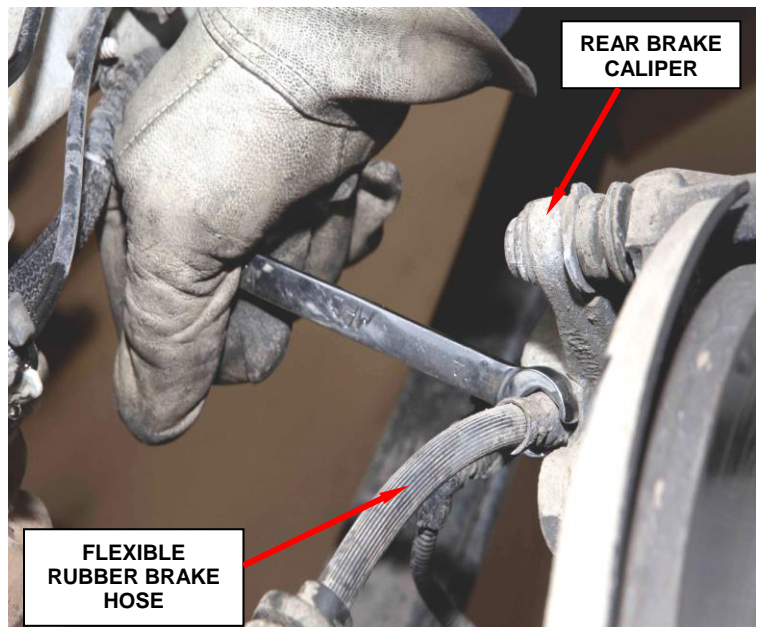
7. Pull the flexible rubber brake hose out of the axle bracket.



**Figure 9 – Axle Bracket Retaining Clip**

8. Disconnect the flexible rubber brake hose from the rear brake caliper (Figure 10).

9. Discard the original flexible rubber brake hose.



**Figure 10 – Disconnect Flexible Rubber Brake Tube at the Rear Brake Caliper**

**Service Procedure (Continued)**

10. Screw the new flexible rubber brake hose into the brake caliper fitting. Tighten the flexible rubber brake hose fitting to 13 ft. lbs. (18 N·m) (Figure 11).

11. Install the flexible rubber brake hose into the axle bracket.

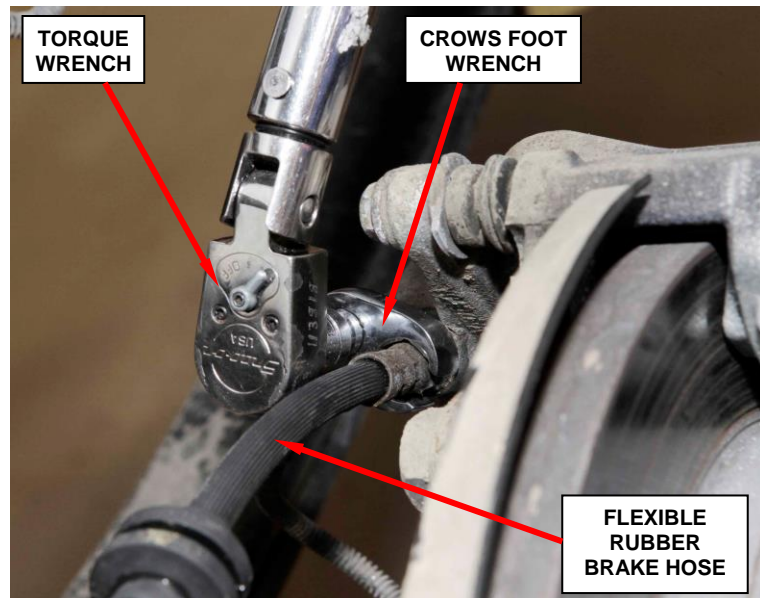
12. Install the flexible rubber brake hose retaining clip at the axle bracket.

13. Route the flexible rubber brake hose to the frame rail bracket and connect the steel brake tube flare nut to the flexible rubber brake hose fitting. Do not tighten the flare nut at this time.

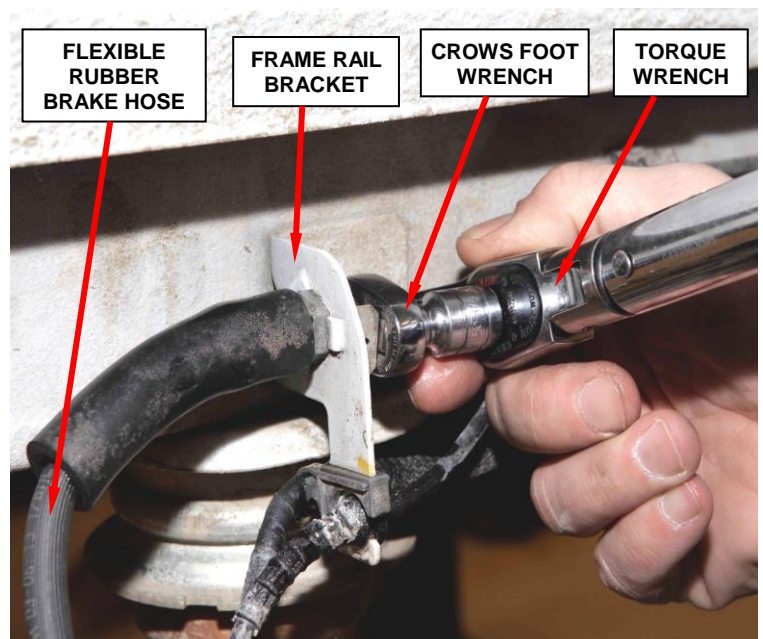
14. Place the flexible rubber brake hose fitting into position in the frame rail bracket and install the retaining clip.

15. Tighten the steel brake tube flare nut to 13 ft. lbs. (18 N·m) (Figure 12).

16. Continue with **Section D. Bleed Hydraulic Brakes System.**



**Figure 11 - Tighten Flexible Rubber Brake Hose at the Rear Brake Caliper**



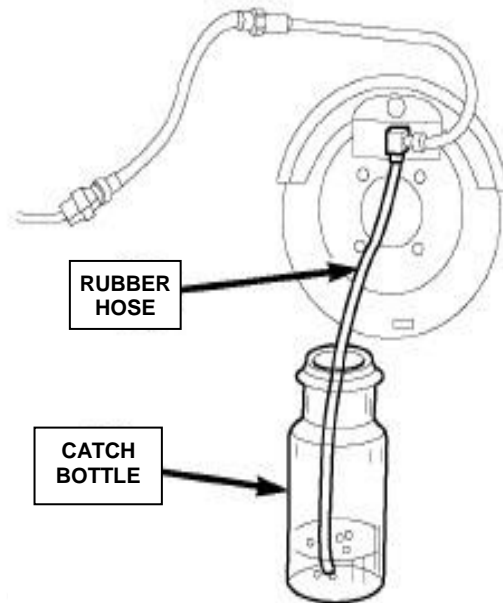
**Figure 12 - Tighten Steel Brake Tube Flare Nut at the Frame Rail**

**Service Procedure (Continued)****D. Bleed Hydraulic Brake System**

1. Fill the brake reservoir with **MOPAR DOT 4** brake fluid.
2. Remove the brake pedal holding tool from the brake pedal.
3. Raise the vehicle on the hoist.
4. Attach a hose and catch bottle to the bleeder screw (Figure 13).

5. Open the bleeder screw.

**CAUTION: The front brake caliper bleeder screws are easy to break. Use extra care when loosening the front brake caliper bleeder screws.**



**Figure 13 – Typical Brake Bleed Set-Up**

6. Slowly pump the brake pedal several times or until no more air is in the catch bottle hose.
7. Close the bleeder screw.
8. Repeat Steps 1 through 6 for all additional brake calipers that require bleeding.
9. Install all removed wheel and tire assemblies. Progressively tighten the five wheel mounting bolts in a star pattern to 146 ft. lbs. (198 N·m).
10. Lower the vehicle from the hoist.

<b>Completion Reporting and Reimbursement</b>
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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>Labor Operation Number</b>	<b>Time Allowance</b>
Inspect four flexible rubber brake hoses	05-P0-31-81	0.2 hours
Inspect flexible rubber brake hoses and replace <b><u>one front</u></b> brake hose	05-P0-31-82	0.6 hours
Inspect flexible rubber brake hoses and replace <b><u>both front</u></b> brake hoses	05-P0-31-83	0.9 hours
Inspect flexible rubber brake hoses and replace <b><u>one rear</u></b> brake hose	05-P0-31-84	0.5 hours
Inspect flexible rubber brake hoses and replace <b><u>both rear</u></b> brake hoses	05-P0-31-85	0.8 hours
Inspect flexible rubber brake hoses and replace <b><u>one front</u></b> brake hose and <b><u>one rear</u></b> brake hose	05-P0-31-86	0.8 hours
Inspect flexible rubber brake hoses and replace <b><u>one front</u></b> brake hose and <b><u>two rear</u></b> brake hoses	05-P0-31-87	1.1 hours
Inspect flexible rubber brake hoses and replace <b><u>two front</u></b> brake hoses and <b><u>one rear</u></b> brake hose	05-P0-31-88	1.1 hours
Inspect flexible rubber brake hoses and replace <b><u>all</u></b> brake hoses	05-P0-31-89	1.3 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