



Revised May 2016

Dealer Service Instructions for:

Safety Recall S16

Left Front Brake Caliper

Models

NOTE: The wheel lug nut torque specification has been updated.

2015 - 2016 (WK) Jeep® Grand Cherokee
(WD) Dodge Durango

NOTE: This recall applies only to the above vehicles equipped with anti-lock 4-wheel disc brakes (sales code BR1, BR2, BR3, BR6, BR8 or BRY) built from December 09, 2015 through January 13, 2016 (MDH 120906 through 011320).

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 used vehicle inventory. Dealers should complete this recall service on these vehicles before retail delivery. Dealers should also perform this repair on vehicles in for service. Involved vehicles can be determined by using the VIP inquiry.

Subject

The left front brake caliper housing on about 280 of the above vehicles may have been cast from an incorrect material. Under extreme brake application, the left front brake caliper housing may rupture. A ruptured left front disc brake caliper housing could increase the vehicle's stopping distance and cause a crash.

Repair

The left front disc brake caliper housing must have the date code inspected. Any brake calipers found with a specific date code must be replaced.

Alternate Transportation

Dealers should attempt to minimize customer inconvenience by placing the owner in a loaner vehicle if inspection determines that a left front brake caliper is required and the vehicle must be held overnight.

Parts Information

<u>Part Number</u>	<u>Description</u>
CBBAS161AA	Left Front Brake Caliper Package

Each package contains the following components:

<u>Quantity</u>	<u>Description</u>
1	Caliper, Left Front Brake
2	Washer, Copper

Each dealer to whom vehicles in the recall were assigned will receive at least ONE (1) left front brake caliper. Additional left front brake calipers may be ordered as required.

<u>Part Number</u>	<u>Description</u>
04318080AC	Fluid, DOT 3 Brake (MS.4574)

Parts Return

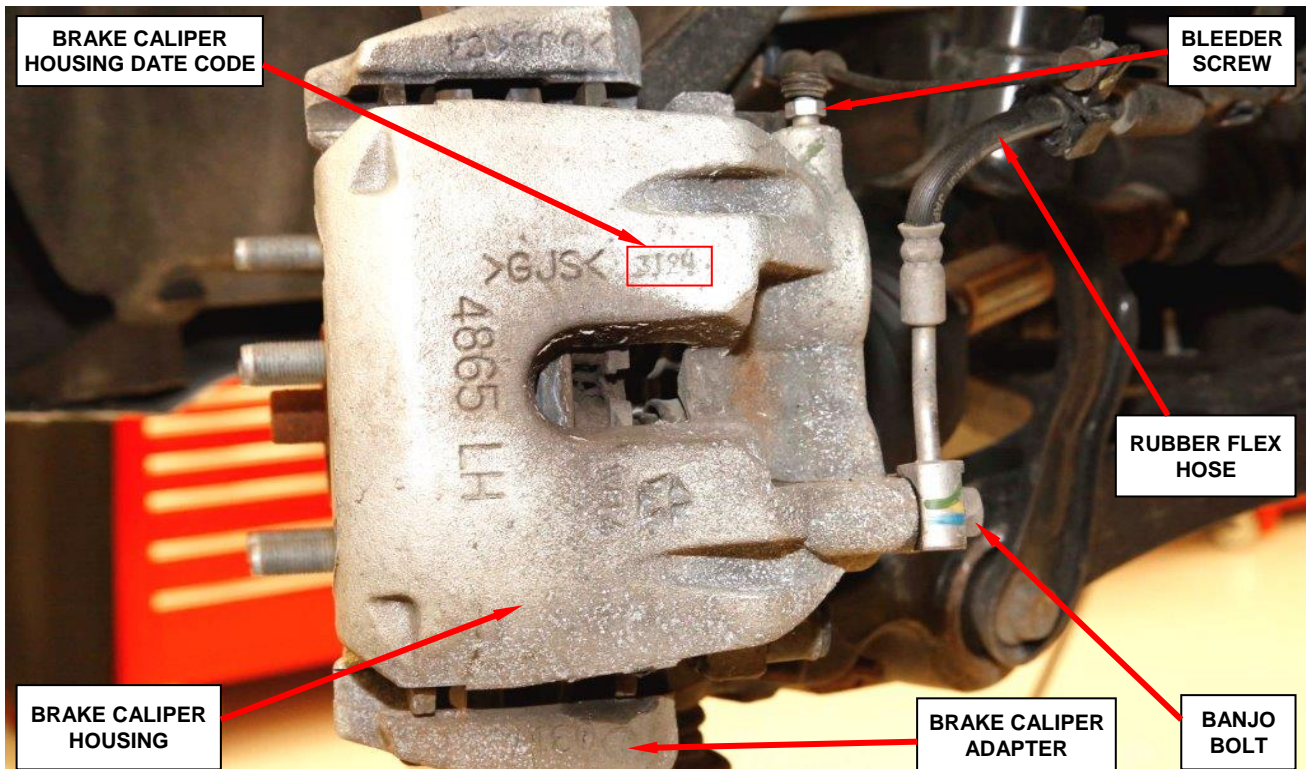
No parts return required for this campaign.

Special Tools

No special tools are required to perform this service procedure.

Service Procedure**A. Inspect Left Front Brake Caliper Date Code**

1. Lift the vehicle on an appropriate hoist.
2. Remove and save the left front wheel/tire assembly.
3. Using brake clean or equivalent, clean the caliper housing at the date code pad cast into the brake caliper housing (Figure 1).
4. Read the date code cast into the brake caliper housing (Figure 1):
 - If the date code cast into the brake caliper housing **is not 3405**, continue with Step 5 of this procedure.
 - If the date code cast into the brake caliper housing **is 3405**, continue with **Section B. Replace Left Front Brake Caliper**.
 - If the date code cast into the brake caliper housing **is not legible**, continue with **Section B. Replace Left Front Brake Caliper**.
5. Install the left front wheel/tire assembly. Tighten lug nuts to 100 ft. lbs. (136 N·m).
6. Lower the vehicle from the hoist and return the vehicle to the customer.

**Figure 1 – Brake Caliper Date Code Location**

Service Procedure (Continued)

B. Replace Left Front Brake Caliper

1. Drain small amount of brake fluid from the master cylinder brake reservoir with a **clean** suction gun (Figure 2).

CAUTION: Do not allow brake fluid to contact any painted surfaces. Severe paint damage may occur.

2. Lift the vehicle on an appropriate hoist.
3. Push the brake caliper pistons into the brake caliper housing.

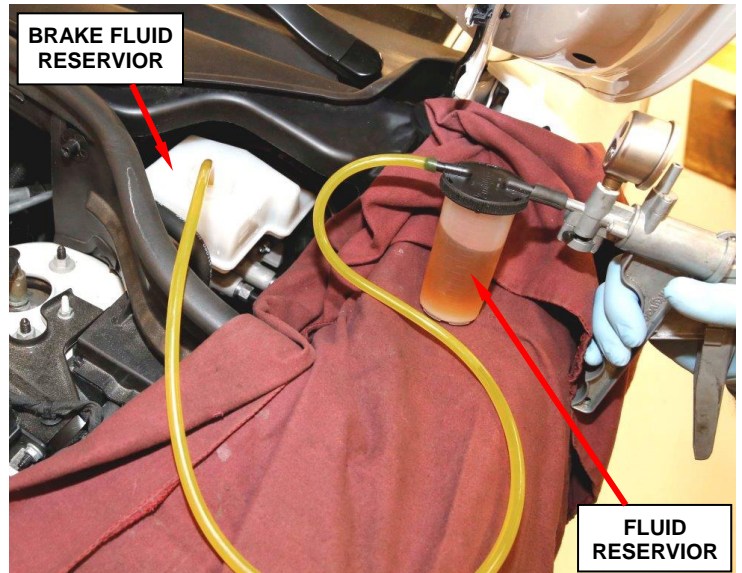


Figure 2 – Fluid Removal with Suction Gun

4. Remove the brake caliper tension clip by pressing rearward on the front of the clip while pulling the clip out from the brake caliper (Figure 3).

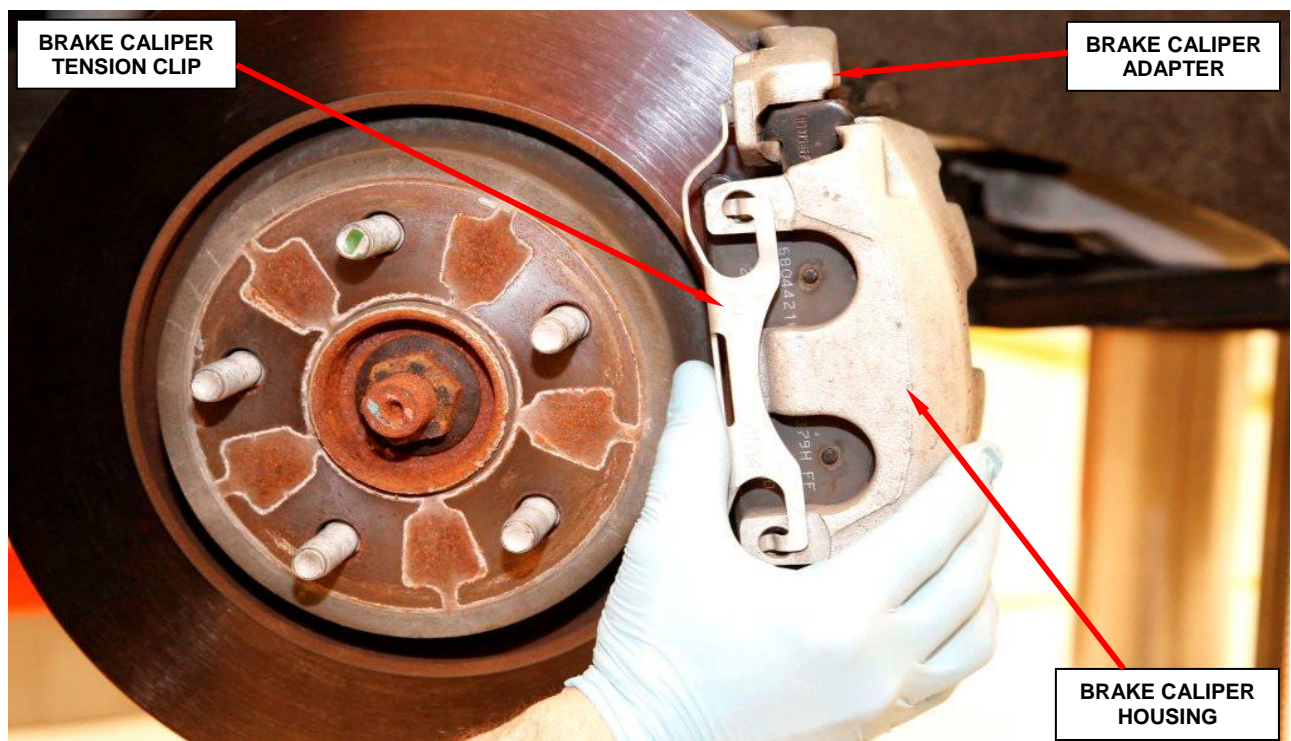


Figure 3 – Brake Caliper Tension Clip

Service Procedure (Continued)

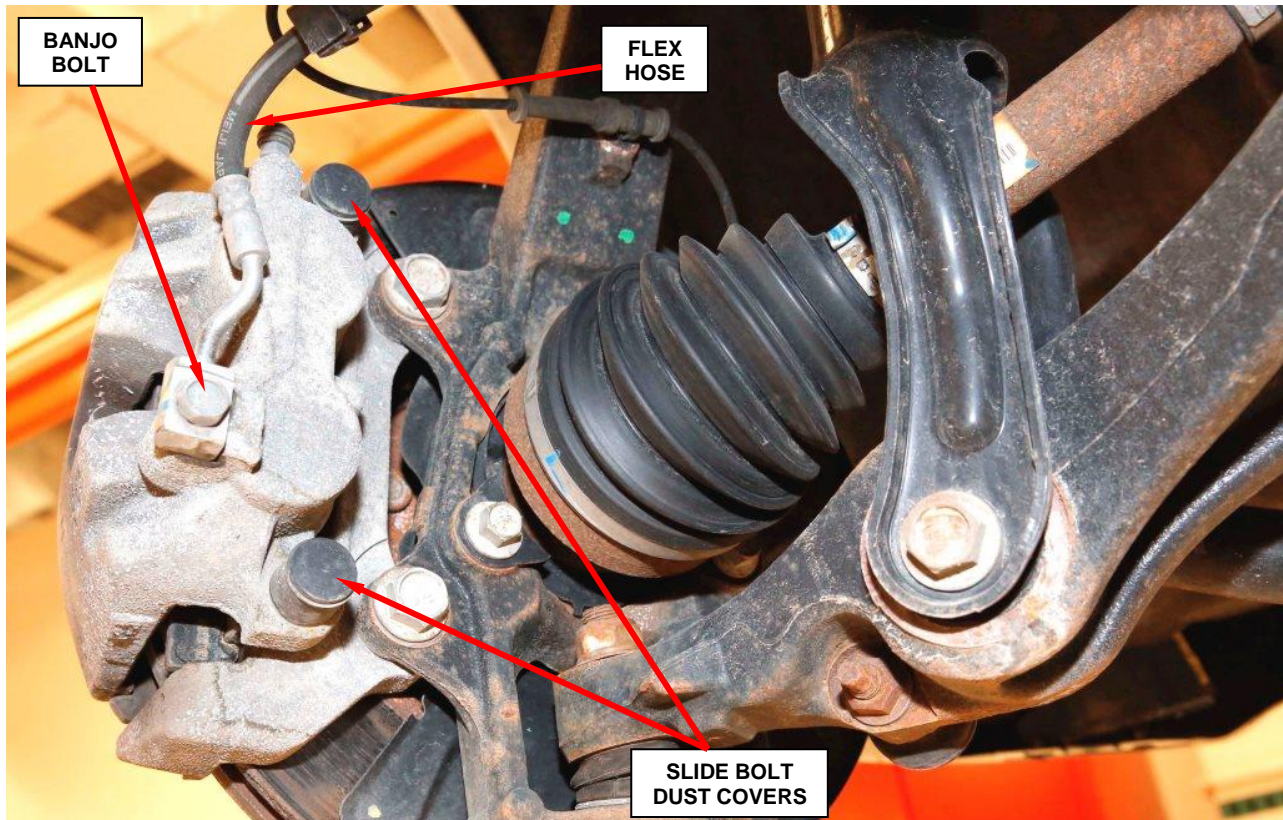


Figure 4 – Brake Caliper Flex Hose Banjo Bolt and Slide Bolt Dust Covers

5. Loosen, but do not remove, the brake flex hose banjo bolt (Figure 4).
6. Remove and save the brake caliper slide bolt dust covers (Figure 4).
7. Remove and save the brake caliper slide bolts (Figure 5).

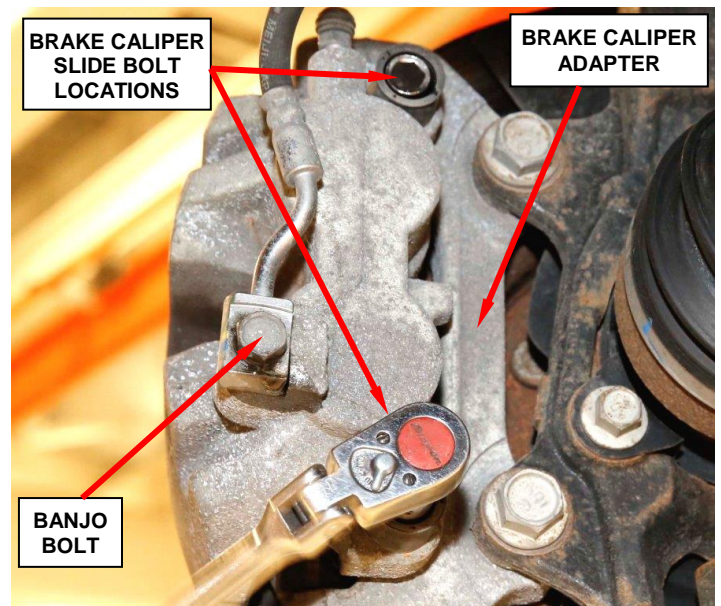


Figure 5 – Brake Caliper Slide Bolts

Service Procedure (Continued)

8. Remove the brake flex hose banjo bolt and copper washers. Save the banjo bolt and discard the original copper washers (Figure 6).

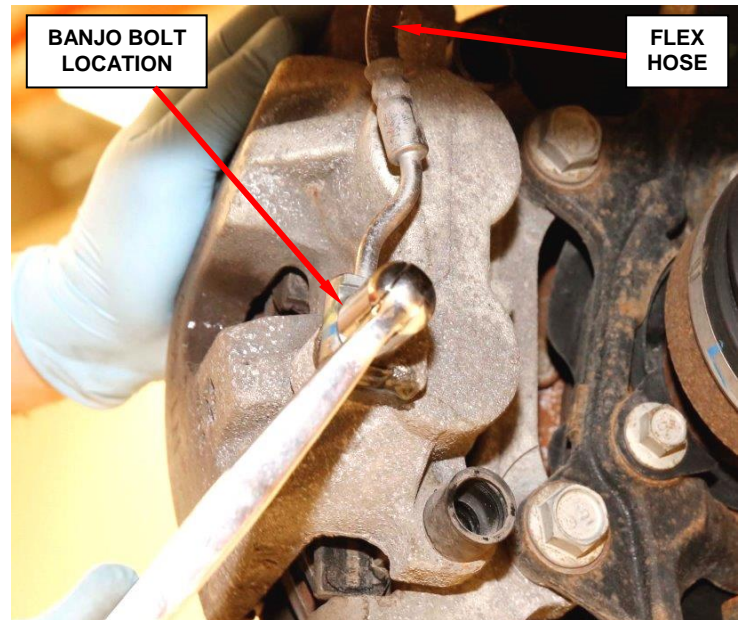


Figure 6 – Banjo Bolt

9. Remove the original left brake caliper from the brake caliper adapter (Figure 7).

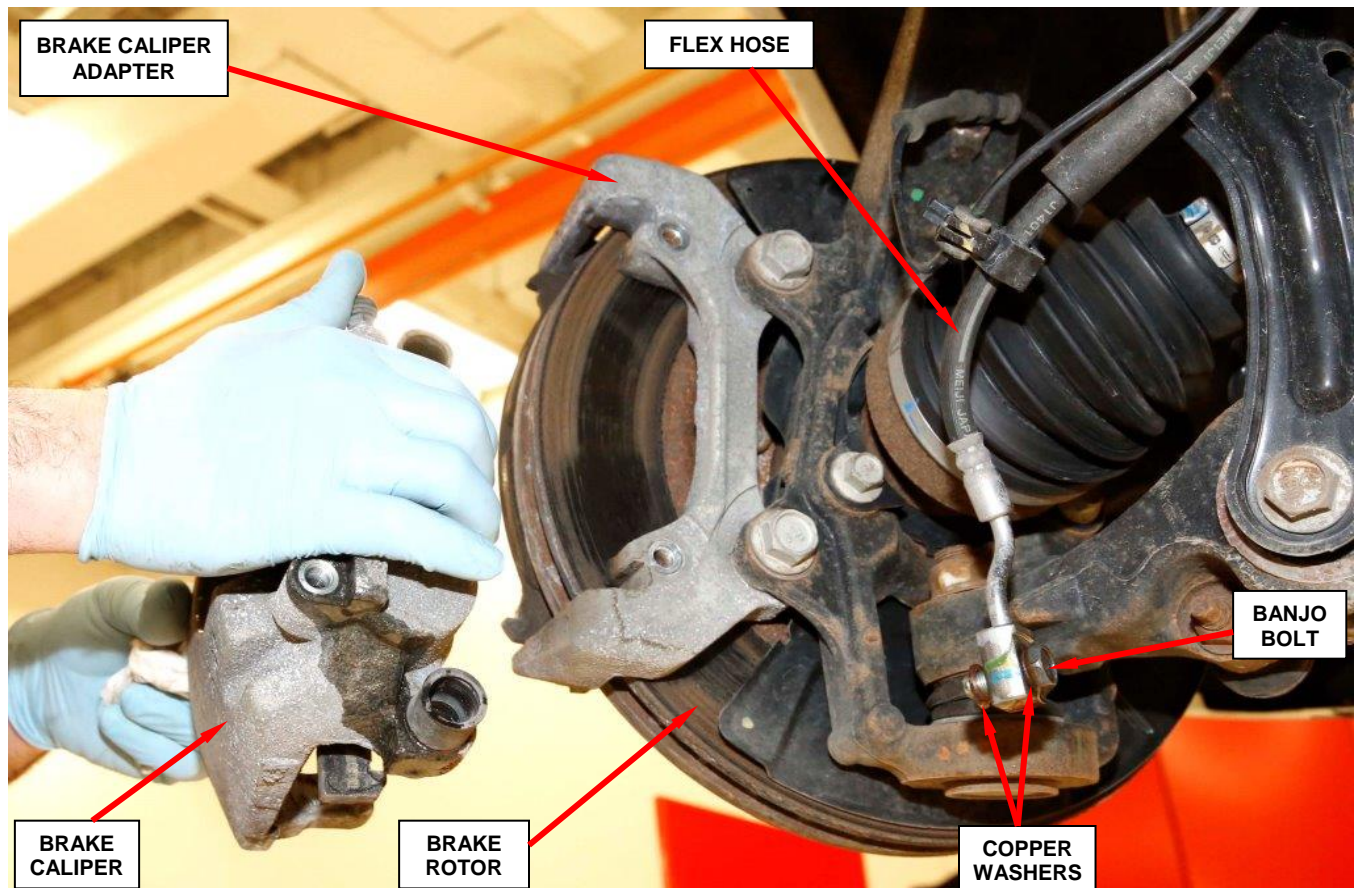


Figure 7 – Brake Caliper Removal

Service Procedure (Continued)

10. Transfer the original inner brake pad from the original brake caliper to the new brake caliper.

11. Position the new brake caliper onto the brake caliper adapter

12. Install and tighten the brake caliper slide bolts to 41 ft. lbs. (55 N·m).

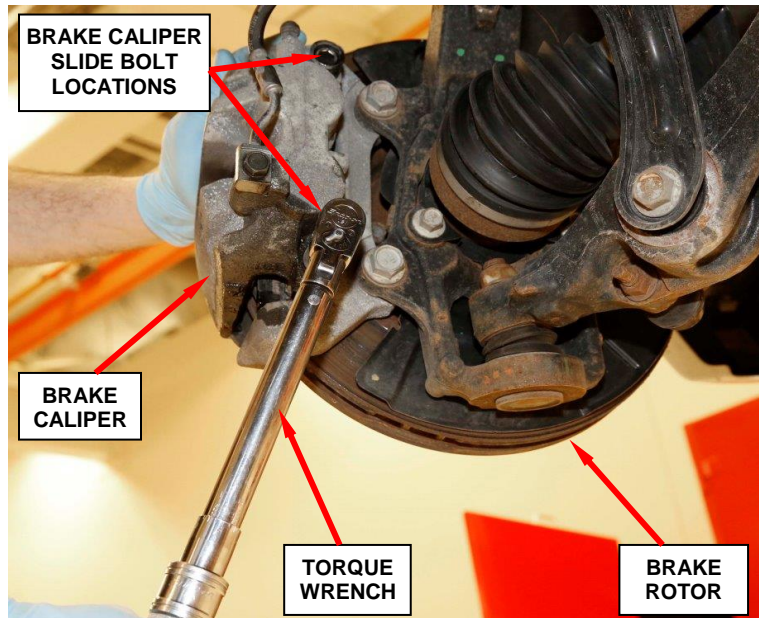


Figure 8 – Tighten Brake Caliper Slide Bolts

13. Install the brake caliper slide bolt dust covers.

14. Install brake flex hose to caliper using **new copper washers** and the original banjo bolt. Tighten the banjo bolt to 23 ft. lbs. (30 N·m).

CAUTION: Verify brake flex hose is not twisted or kinked before tightening banjo bolt.

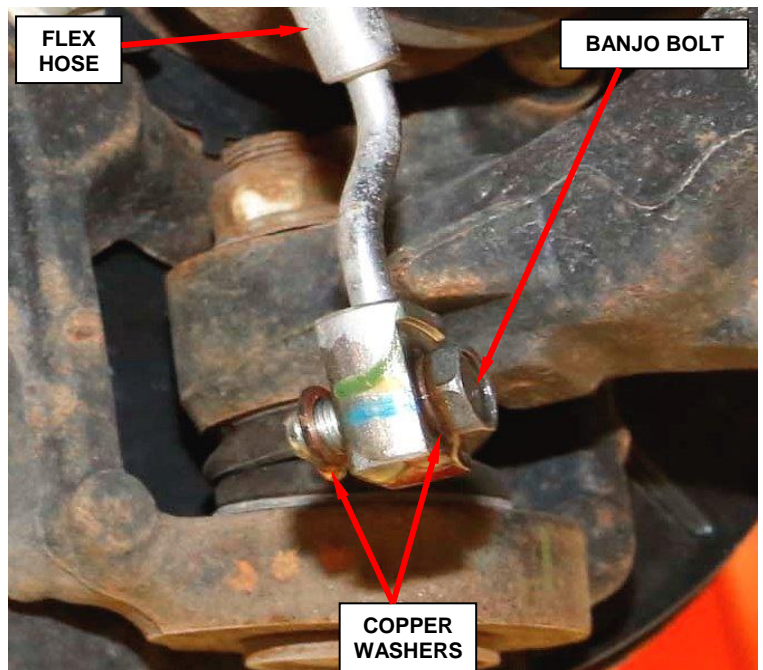


Figure 9 – Banjo Bolt and Copper Washers

Service Procedure (Continued)

15. Install the brake caliper tension clip (Figure 10).
16. Use the following procedure to bleed the left front brake caliper:
 - a. Attach a clear plastic hose to the left front brake caliper bleeder screw and feed the hose into a clear jar containing enough fresh brake fluid to submerge the end of the hose.
 - b. Have a helper pump the brake pedal three or four times and hold it in the down position.

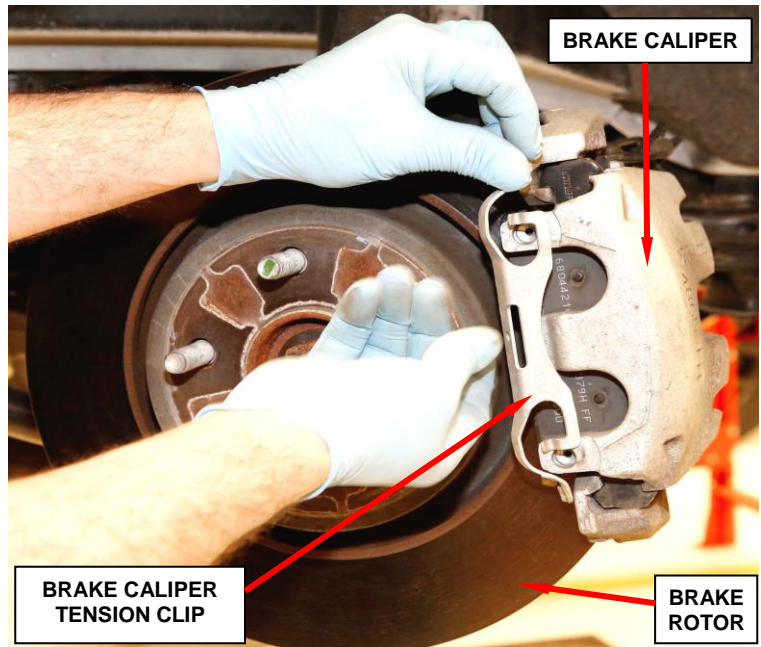


Figure 10 – Install Brake Caliper Tension Clip

- c. With the pedal in the down position, open the bleeder screw on the left front brake caliper at least one full turn.
- d. Once the brake pedal has dropped, close the bleeder screw. After the bleeder screw is closed, release the brake pedal.
- e. Repeat the above steps until all trapped air is removed from the left front brake caliper (usually four or five times).
- f. Monitor the fluid level in the master cylinder reservoir to make sure it does not run out of brake fluid.

CAUTION: Use only DOT3 brake fluid in the hydraulic brake system.

- g. Check and adjust brake fluid level to the “FULL” mark on the reservoir.
- h. Check the brake pedal travel. If pedal travel is excessive or has not been improved, some air may still be trapped in the system. Bleed the brakes again as necessary.

Service Procedure (Continued)

17. Install the left front wheel/tire assembly. Tighten lug nuts to **130 ft. lbs. (176 N·m)**.
18. Lower the vehicle from the hoist.
19. Verify that the brake fluid level is correct. Adjust the brake fluid level as required.
20. 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 FCA 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 left front caliper date code	05-S1-61-81	0.2 hours
Inspect left front caliper date code and replace the left front brake caliper	05-S1-61-82	0.6 hours

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

NOTE: See the FCA International Warranty Policy and Procedure Manual, Claim Entry Section – Recall Claims for claim processing instructions.

Owner Notification and Service Scheduling

All involved vehicle owners should be notified of the service requirement by their Dealer. Owners are requested to schedule appointments for this service. A sample copy of the owner notification letter is attached.

Vehicle Lists, Global Recall System, VIP and Dealer Follow up

All involved vehicles have been entered into the 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. Completed vehicles are removed from GRS within several days of repair claim submission.

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.

Additional Information

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

Global Service and Parts - International
Fiat Chrysler Automobiles

IMPORTANT SAFETY RECALL

S16

This notice applies to your vehicle (VIN: xxxxxxxxxxxxxxxxx).

Dear Dodge/Jeep Vehicle Owner: (Name)

FCA has decided that a defect, which relates to motor vehicle safety, exists in certain **2015 and 2016 model year Dodge Durango and Jeep® Grand Cherokee vehicles.**

The problem is... **The left front brake caliper housing on your vehicle may have been cast from an incorrect material. Under extreme brake application, the left front brake caliper housing may rupture. A ruptured left front disc brake caliper housing could increase the vehicle's stopping distance and cause a crash.**

What your dealer will do... **FCA will repair your vehicle free of charge.** To do this, your dealer will inspect the left front caliper for a specific date code and replace the brake caliper if required. The work will take about one hour 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, Dodge or RAM dealer** right away to schedule a service appointment. **Please bring this letter with you to your dealer.**

If you need help... If you have trouble getting your vehicle serviced, please contact the **Dealer** nearest your location. A representative will assist you in getting your vehicle serviced. This information can be found in the Customer Assistance section of your Owner's Manual.

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

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Fiat Chrysler Automobiles
Notification Code S16