



August 2018

Dealer Service Instructions for:

Safety Recall U86 / NHTSA 18V-523

Low Brake Pedal

Remedy Available

2018 (JC) Dodge Journey

2018 - 2019 (RT) Dodge Caravan

2018 - 2019 (MP) Jeep® Compass

2019 (KL) Jeep® Cherokee

NOTE: This recall applies only to the above vehicles built from March 17, 2018 through June 21, 2018 (MDH 031706 through 062101).

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 rear brake calipers on about 154,300 may have out-of-specification chrome coating on the pistons, which may cause gas pockets to form in the brake system. In some instances, the brake pedal may exhibit increased travel and/or feel soft after vehicle start. Gas pockets in the brake system may result in a reduction in rear brake performance, which can cause a vehicle crash without prior warning.

Repair

Bleed the entire brake system to remove any gas pockets.

Parts Information

<u>Part Number</u>	<u>Qty.</u>	<u>Description</u>
04318080AD	3	Brake Fluid, DOT 3

Dealers may already have the required brake fluid in their inventory. Additional allocations of brake fluid will be provided to dealers to service vehicles involved in this recall.

Parts Return

No parts return required for this campaign.

Special Tools

The following equipment is required to perform this repair:

- NPN Clear Plastic Hose and Clear Jar

Service Procedure

WARNING: When bleeding the brake system wear safety glasses. A clear bleed tube must be attached to the bleeder screws and submerged in a clear container filled part way with clean brake fluid. Direct the flow of brake fluid away from yourself and the painted surfaces of the vehicle. Brake fluid at high pressure may come out of the bleeder screws when opened.

CAUTION: Never use reclaimed brake fluid or fluid from a container which has been left open. An open container will absorb moisture from the air and contaminate the fluid.

CAUTION: Never use any type of a petroleum-based fluid in the brake hydraulic system. Use of such type fluids will result in seal damage of the vehicle brake hydraulic system causing a failure of the vehicle brake system. Petroleum based fluids would be items such as engine oil, transmission fluid, power steering fluid, etc.

CAUTION: Before removing the master cylinder reservoir cap, thoroughly clean the cap and master cylinder fluid reservoir to prevent dirt and other foreign matter from dropping into the master cylinder fluid reservoir.

NOTE: The following wheel sequence should be used when bleeding the brake hydraulic system. The use of this wheel sequence will ensure adequate removal of all trapped air from the brake hydraulic system.

- Left Rear Wheel
- Right Front Wheel
- Right Rear Wheel
- Left Front Wheel

NOTE: The bleeding procedure described in this recall may be used to remove air from the brake system. Pressure bleeding is recommended if pressure bleeding equipment is available. If pressure bleeding equipment is available, follow the manufacturer's directions for proper use.

Service Procedure [Continued]

NOTE: The aid of a helper will be required during this entire brake bleed process.

1. Open the hood.
2. Clean the master cylinder reservoir and cap before opening the reservoir (Figure 1).
3. Add fluid if necessary to raise the fluid level to the MAX indicator on the side of the reservoir (Figure 1).

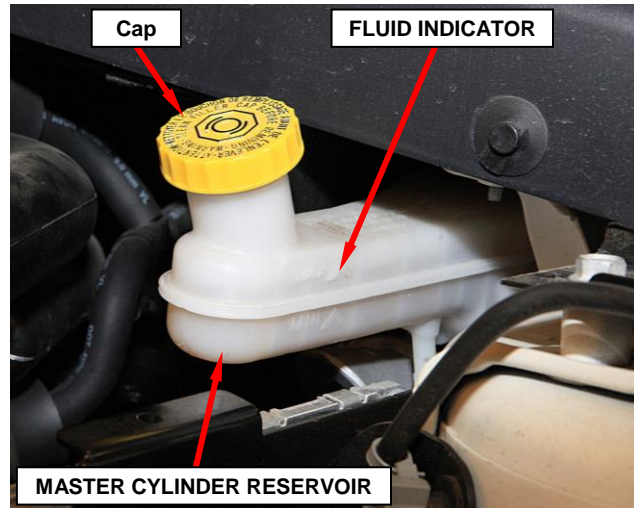


Figure 1 – Master Cylinder Reservoir

4. Ensure the helper is either in the vehicle or is able to access the vehicle while raised on the lift before beginning the bleeding procedure
5. Raise and support the vehicle.
6. Attach a clear plastic hose to the bleeder screw and feed the hose into a clear jar containing enough fresh brake fluid to submerge the end of the hose (Figure 2).



Figure 2 – Brake Bleeding Equipment

Service Procedure [Continued]

7. Have the helper pump the brake pedal three or four times and hold it in the down position.

8. With the pedal in the down position, open the brake caliper bleeder screw at least one full turn.

9. Once the brake pedal has dropped, close the brake caliper bleeder screw. After the bleeder screw is closed, release the brake pedal.

10. Repeat the above steps until all trapped air is removed from that wheel circuit (usually four or five times).

11. Monitor the fluid level in the master cylinder reservoir to make sure it does not go dry.

12. Bleed the remaining wheel circuits in the same manner as described in **Steps 6 - 10** until all air is removed from the brake system.

13. Check and adjust brake fluid level to the FULL mark.

Service Procedure [Continued]

14. Ensure that the vehicle battery is fully charged before bleeding the Antilock Brake System (ABS).
15. Connect the wiTECH micro pod II to the vehicle data link connector.
16. Place the ignition in the “**RUN**” position.
17. Open the wiTECH 2.0 website.
18. Enter your “**User id**” and “**Password**” and your “**Dealer Code**”, then select “**Sign In**” at the bottom of the screen. Click “**Accept**”.
19. From the “**Vehicle Selection**” screen, select the appropriate vehicle.
20. View and clear all Diagnostic Trouble Codes (DTCs) before beginning.
21. From the “**Action Items**” screen, select the “**Topology**” tab
22. From the “**Topology**” tab, select the “**ABS**” module icon.
23. Select the “**Misc Functions**” tab.
24. Within the “**Misc Functions**” tab, select “**Bleed Brake Procedure**” or “**ABS Bleed Brakes**” then follow the wiTECH on screen instructions.
25. After performing the ABS bleeding procedure, place the ignition in the “**OFF**” position and then remove the wiTECH micro pod II device from the vehicle.

Service Procedure [Continued]

NOTE: After performing the ABS bleeding procedure, the brake calipers must be bled a second time to remove any air released by the ABS.

26. Bleed all four brake calipers in the same manner as described in **Steps 6 - 12** until all air is removed from the brake system.

27. Remove any bleeder equipment from the vehicle.

28. Lower the vehicle.

29. Check and adjust brake fluid level to the **FULL** mark on the reservoir.

30. Close hood.

31. Check brake pedal travel and feel.
 - If pedal travel is normal proceed to **Step 32**.
 - If pedal travel is excessive or if the pedal feels excessively spongy, some air may still be trapped in the system. Re-bleed the brakes as necessary.

32. Test drive the vehicle to verify the brakes are operating properly and pedal feel is correct. If not correct, additional bleeding may be required.

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 paid will be used by FCA to record recall service completions and provide dealer payments.

Use the following labor operation number and time allowances:

	Labor Operation Number	Time Allowance
Bleed Brake System (JC and RT vehicles)	05-U8-61-82	1.1 hours
Bleed Brake System (MP vehicles)	05-U8-61-82	1.0 hours
Bleed Brake System (KL vehicles)	05-U8-61-82	1.2 hours

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 FCA 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.

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
FCA US LLC