



June 2018

Dealer Service Instructions for:

## **Safety Recall U41 / NHTSA 18V-277 Brake Tube Hoses**

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### **Remedy Available**

**2018 (DP) RAM 4500/5500 Cab Chassis**

*NOTE: This recall applies only to the above vehicles built from January 15, 2018 through March 15, 2018 (MDH 011515 through 031522).*

**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**

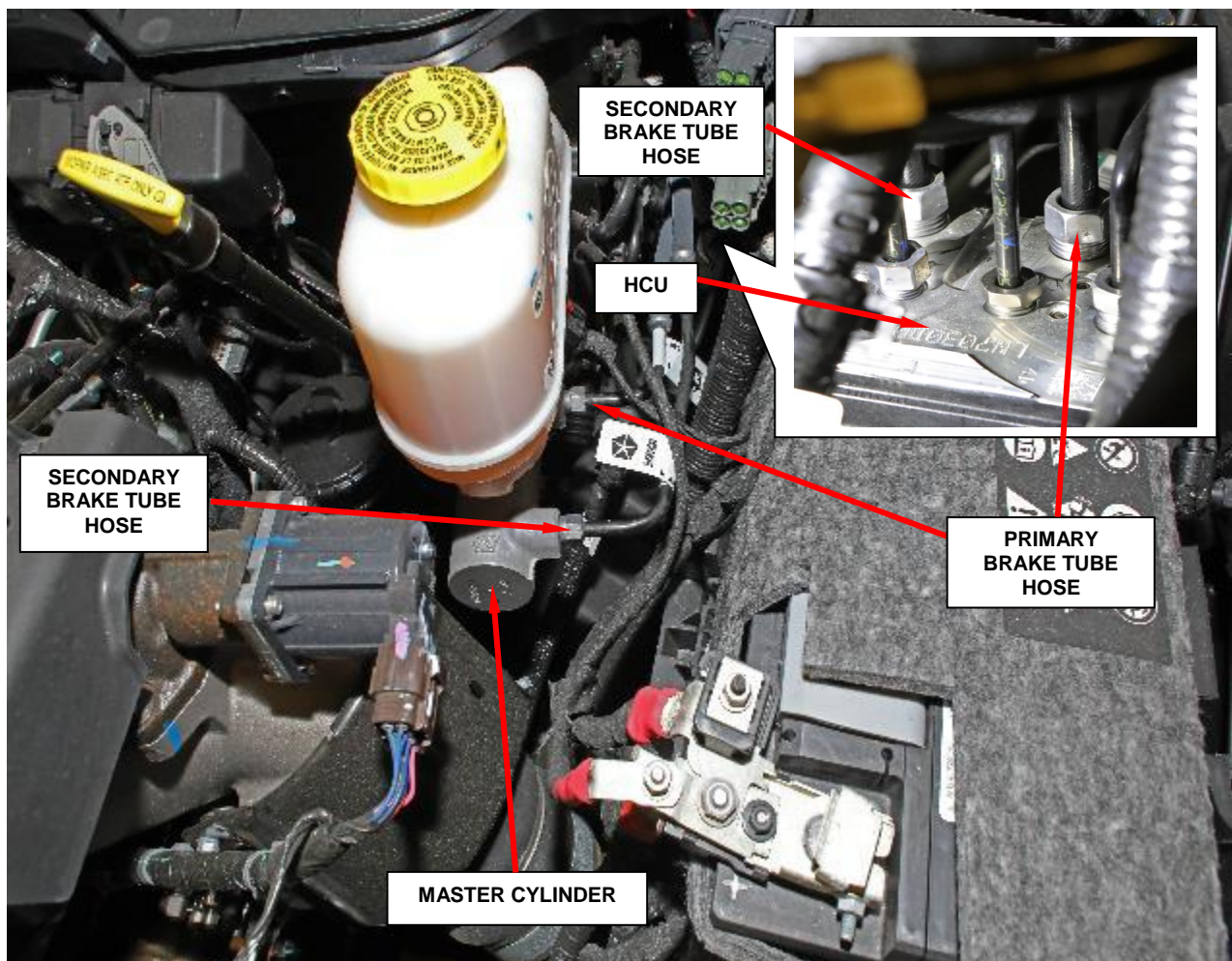
The primary and secondary brake tube hoses on about 2,400 of the above vehicles may have been produced with no anti-corrosion plating on the ferrules. Anti-corrosion plating is required to meet FCA US LLC long-term durability corrosion requirements. The ferrules on both brake hoses, in certain circumstances, may prematurely corrode and develop a brake fluid leak simultaneously and potentially result in a partial or complete loss of brake function. Loss of brake function can cause vehicle crash without prior warning.



**Service Procedure**

**A. Inspect Brake Tube Hoses**

1. Open the hood and locate the two brake tube hoses, master cylinder to the Hydraulic Control Unit (HCU) (Figure 1).



**Figure 1 – Brake Tube Hose Location**

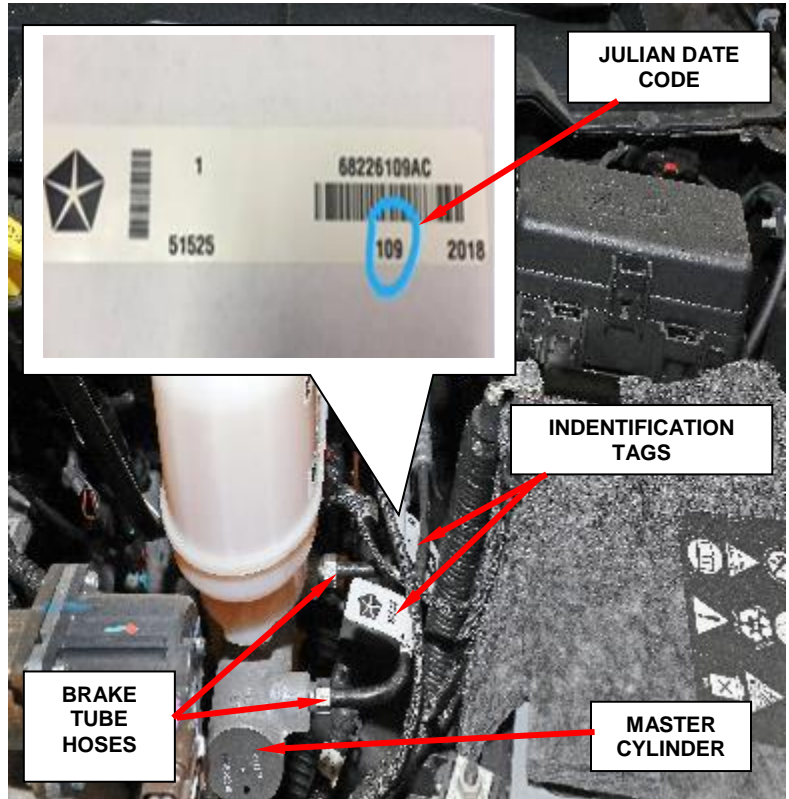
**Service Procedure (Continued)**

2. Inspect the brake tube hoses for a **Julian date code range from 015 to 071**, located on the brake tube hose identification tag (Figure 2).

**NOTE: If the Julian date code is not available, replace the brake tube hoses.**

3. Is the **Julian date code range from 015 to 071**?

- No, the brake tube hose is good. No replacement needed. If **both** brake tube hoses are good, continue with Step 4.



**Figure 2 - Julian Date Code**

- Yes, one or both hoses has a **Julian date code range from 015 to 071**. Replace **both** brake tube hoses. Continue with section **B. Replace Brake Tube Hoses**.

**NOTE: If either brake tube hose has a Julian date code from 015 to 071, replace both hoses.**

4. Close the hood.
5. Return the vehicle to the customer.



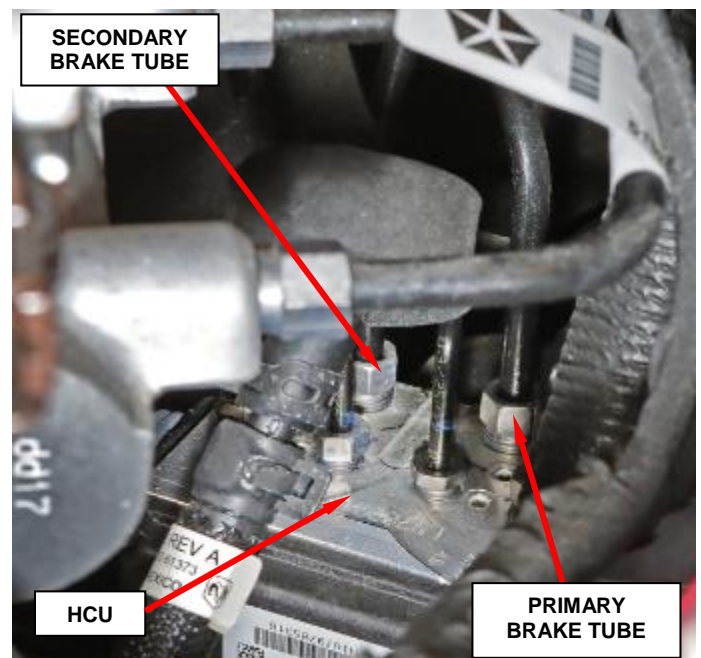
**Service Procedure (Continued)**

**B. Replace Brake Tube Hoses**

1. Install prop rod on the brake pedal to keep pressure on the brake system, holding pedal in this position will isolate master cylinder from hydraulic brake system and will not allow brake fluid to drain out of brake fluid reservoir while brake lines are open. This will allow you to bleed out the area of repair instead of the entire system.
2. Remove the Hydraulic Control Unit (HCU) cover.
3. Remove the primary and secondary master cylinder brake tubes from the master cylinder (Figure 3).
4. Remove primary and secondary master cylinder brake tubes from the HCU (Figure 4).
5. **DISCARD** the original brake tube hoses.



**Figure 3 – Master Cylinder**



**Figure 4 – Hydraulic Control Unit (HCU)**

**Service Procedure (Continued)**

6. Hand start the primary and secondary master cylinder brake tubes to the master cylinder and route the brake tubes down to the HCU as shown (Figures 3 and 4).
7. Hand start the primary and secondary master cylinder brake tubes to the hydraulic control unit.
8. First, tighten the two HCU brake tube flare nuts to 36 N·m (27 ft. lbs.).
9. Next, tighten the two master cylinder brake tube flare nuts to 32 N·m (24 ft. lbs.).

**CAUTION: Use Mopar brake fluid, or an equivalent quality fluid meeting SAE J1703-F and DOT 3 standards only. Use fresh, clean fluid from a sealed container at all times.**

**NOTE: ABS system bleeding requires conventional bleeding methods plus use of a scan tool. The procedure involves performing a base brake bleeding, followed by use of the scan tool to cycle and bleed the HCU pump and solenoids. A second base brake bleeding procedure is then required to remove any air remaining in the system.**

10. Perform base brake bleeding using the following steps.
  - a. Remove reservoir filler caps and fill reservoir.
  - b. If calipers were overhauled, open all caliper bleed screws. Then close each bleed screw as fluid starts to drip from it. Top off master cylinder reservoir once more before proceeding.
  - c. Attach one end of bleed hose to bleed screw and insert opposite end in glass container partially filled with brake fluid. Be sure end of bleed hose is immersed in fluid.

**NOTE: Bleed procedure should be in this order (1) Right rear (2) Left rear (3) Right front (4) Left front.**

**Service Procedure (Continued)**

- d. Open up bleeder, then have a helper press down the brake pedal. Once the pedal is down, hold the pedal down while closing the bleeder. Repeat bleeding until fluid stream is clear and free of bubbles. Then move to the next wheel.
- e. Before moving the vehicle verify the pedal is firm and not mushy.
- f. Top off the brake fluid and install the reservoir cap.

**NOTE: The wiTECH 2.0 scan tool must be used to perform this recall. This procedure must be performed with the latest software release level.**

- 11. Connect the wiTECH micro pod II to the vehicle data link connector.
- 12. Place the ignition in the “**RUN**” position.
- 13. Open a wiTECH 2.0 Diagnostic session.
- 14. Enter your “**User id**”, “**Password**” and “**Dealer Code**” then select “**Sign in**”.
- 15. Starting at the “**Vehicle Selection**” screen, select the appropriate vehicle and Device Name.
- 16. Select the “**ABS**” icon, then select the “**Miscellaneous Functions**” tab, and then select the “**ABS Brake Bleed**” routine. Follow the instructions displayed. When scan tool displays “**TEST COMPLETE**”, disconnect scan tool and proceed.
- 17. Perform base brake bleeding a second time, **Step 10**.
- 18. Top off master cylinder fluid level and verify proper brake operation before moving vehicle.
- 19. 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 paid 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:

	<b>Labor Operation Number</b>	<b>Time Allowance</b>
Inspect Brake Tubes	05-U4-11-81	0.2 hours
Replace Primary and Secondary Brake Tubes	05-U4-11-82	1.6 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

This notice applies to your vehicle,

[Model Year and Model]

VIN XXXXXXXXXXXXXXXXXXXX

U41/NHTSA 18V-277

LOGO

VEHICLE PICTURE

#### YOUR SCHEDULING OPTIONS

- 1. RECOMMENDED OPTION**  
Call your authorized Chrysler / Dodge / Jeep® / RAM Dealership
- 2. Call the FCA Recall Assistance Center at 1-800-853-1403. An agent can confirm part availability and help schedule an appointment**
- 3. Visit recalls.mopar.com, scan the QR code below, or download the Mopar Owner's Companion App.**

QR Code

Get access to recall notifications, locate your nearest dealer, and more through this website or Mopar Owner's Companion App. You will be asked to provide your Vehicle Identification Number (VIN) to protect and verify your identity. The last eight characters of your VIN are provided above.

#### DEALERSHIP INSTRUCTIONS

Please reference Safety Recall U41.

# IMPORTANT SAFETY RECALL

## Brake Tube Hoses

Dear [Name],

This notice is sent to you in accordance with the National Traffic and Motor Vehicle Safety Act.

FCA has decided that a defect, which relates to motor vehicle safety, exists in certain [2018 model year (DP) RAM 4500/5500 Cab Chassis] vehicles.

It is extremely important to take steps now to repair your vehicle to ensure the safety of you and your passengers.

#### WHY DOES MY VEHICLE NEED REPAIRS?

The primary and secondary brake tube hoses on your truck <sup>[1]</sup> may have been produced with no anti-corrosion plating on the ferrules. Anti-corrosion plating is required to meet FCA US LLC long-term durability corrosion requirements. **The ferrules on both brake hoses, in certain circumstances, may prematurely corrode and develop a brake fluid leak simultaneously and potentially result in a partial or complete loss of brake function. Loss of brake function can cause a vehicle crash without prior warning.**

#### HOW DO I RESOLVE THIS IMPORTANT SAFETY ISSUE?

FCA will repair your vehicle <sup>[2]</sup> free of charge (parts and labor). To do this, your dealer will inspect the brake tube hoses for the Julian date code marking and replace if needed. In addition, your dealer will require your vehicle for proper check-in, preparation, and check-out during your visit. Your time is important to us; please be aware that these steps may require more time. The estimated repair time is **two hours**. We recommend that you schedule a service appointment to minimize your inconvenience. Please bring this letter with you to your dealership.

**TO SCHEDULE YOUR FREE REPAIR CALL 1-800-853-1403  
OR YOUR CHRYSLER, DODGE, JEEP OR RAM DEALER TODAY**

#### WHAT IF I ALREADY PAID TO HAVE THIS REPAIR COMPLETED?

If you have already experienced this specific condition and have paid to have it repaired, you may visit [www.fcarecallreimbursement.com](http://www.fcarecallreimbursement.com) to submit your reimbursement request online. <sup>[3]</sup> Once we receive and verify the required documents, reimbursement will be sent to you within 60 days. If you have had previous repairs performed and/or already received reimbursement, you may still need to have the recall repair performed.

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

Customer Assistance/Field Operations  
Fiat Chrysler Automobiles US LLC



**Mr. Mrs. Customer**  
**1234 Main Street**  
**Hometown, MI 48371**

[1] If you no longer own this vehicle, please help us update our records. Call the FCA Recall Assistance Center at 1-800-853-1403 to update your information.

[2] 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 you can call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY 1-800-424-9153), or go to [safercar.gov](http://safercar.gov).

[3] You can also mail in your original receipts and proof of payment to the following address for reimbursement consideration: FCA Customer Assistance, P.O. Box 21-8004, Auburn Hills, MI 48321-8007, Attention: Recall Reimbursement.

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