Repair Order Detail - Internal Copy

RO Number: [redacted] RO Status: CLOSED

Customer: Click to View Cust Copy
Phone(s): Contact: Main: Cell:
Vehicle: [redacted] 2020 WRAN PRC_Firecracker_Red_C/C

Mileage: 19 Payment type: CASH Waiter: No
Service ad[redacted] Promised time: [redacted] Estimate: 0.00
Tag numbe[redacted] Promised date:

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A RECALL W12

06W12182	WARR	Safety Recall W12 - Clutch Slave Cylinder - Inspect or Replace Inspect Reservoir Tube for Leaks, Remove Tie Strap Retaining Clip, Install Sleeve or Replace Reservoir Tube, and Bleed Clutch Hydraulic System (2 - Skilled)	0.50	72.51

Tech(s): [redacted]

1 TRANS 0.17

Pts: 0.17 Lbr: 72.51 Other: 0.00 Total Line A: 72.68

Story: 19 RECALL W12 , COMPLETED

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Customer Pay	
Labor	0.00
Parts	0.00
Lube	0.00
Sublet	0.00
Miscellaneous/Shop Charge	0.00
Deductible	0.00
Total Charges	0.00
Less Insurance/Adjustment	0.00
Sales Tax	0.00
Total	0.00

FCA
FIAT CHRYSLER AUTOMOBILES

April 2020

Dealer Service Instructions for:

Safety Recall W12 / NHTSA 20V-124
Clutch

Remedy Available

2018 – 2020(JL) Jeep® Wrangler

2020 (JT) Jeep® Gladiator

NOTE: This recall applies only to the above vehicles equipped with a 6-speed manual transmission ***(sales code DEM)****.*

NOTE: Some vehicles above may have been identified as not involved in this recall 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

In some circumstances, the clutch pressure plate on about 36,750 of the above vehicles may become overheated through friction, which may lead the pressure plate to fracture. A fractured pressure plate may crack or fracture the transmission case, allowing heated debris to contact ignition sources on the vehicle, potentially leading to a vehicle fire. In some circumstances, the operator may smell a burnt clutch odor, or have excessive or abnormal clutch pedal travel prior to the failure. A vehicle fire can result in occupant injury and injury to persons outside the vehicle, as well as property damage. A fractured pressure plate may also lead to a loss of propulsion, or generation of road debris. Either of these two conditions can cause a vehicle crash without prior warning.

Repair

Remove the hydraulic hose reservoir hose clip and discard, install a hose sleeve, and bleed the clutch slave cylinder on all of the above vehicles, start the service procedure at section **A. Clutch Master Cylinder Inspection.**

Alternate Transportation

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

Parts Information

Part Number	Description
04318080AD	Fluid, Brake DOT 3 (MS-4574)

NOTE: The following PN: CSDLW122AA is to be ordered if any leak, deformation, or wear is found while performing section A. Clutch Master Cylinder Inspection.

Part Number	Description
CSDLW122AA	**Part Package**

Each package contains the following components:

Quantity	Description
1	Hose, Hydraulic Upper

Parts Information [Continued]

NOTE: The following PN: CSDLW123AA is to be installed on all involved vehicles.

Part Number	Description
CSDLW123AA	**Part Package**

Each package contains the following components:

Quantity	Description
1	Sleeve, Hose

NOTE: The following part packages below are to be ordered if the Clutch Health test failed and air bubbles have been observed while performing the Clutch Slave Cylinder Inspection procedure in section A and B.

Part Number	Description
***CSDLW121AA**	**Part Package**

Each package contains the following components:

Quantity	Description
6	Bolt, Clutch to Flywheel
8	Bolt, Flywheel to Crankshaft
1	Bearing
1	Pivot
12	Bolt, Propshaft to T-case
4	Bolt, "Y" Pipe
1	Clamp, Exhaust
2	Bolt, Center Bearing to Bracket
1	Tie Strap
1	Tie Strap
1	Tie Strap
4	Bolt, Front Propshaft to Axle

Part Number	Description
05083149AA	Grease, Clutch Spline, Clutch Fork Pivot (MS-6560)

Parts Information [Continued]

Part Number	Description
***CSDLW124AA**	**Part Package**

Each package contains the following components:

Quantity	Description
1	Kit, Clutch

Part Number	Description
***CSDLW125AA**	**Part Package**

Each package contains the following components:

Quantity	Description
1	Flywheel Assembly

Parts Return

This recall part will be subject to parts return.

Please make sure to retain this part until the recall claim is paid, go to the "Parts" tab and click on the "Return material Utility" in "DealerCONNECT". In the" Dispositions" tab it will give a disposition of "Return". In the "Tickets" tab under "UPS ground", the claim will be listed. Select the ticket and follow theprocess to generate a "Part Return Document", "UPS Shipping Label" and "UPS Receipt". Place the clutch and pressure plate and the Part Return Document inside the box, the new part came in. Attach the UPS Shipping label on the outside of the box and ship to:

Quality Engineering Center
2021 Executive Hills Blvd.
Auburn Hills, MI 48326

Special Tools

The following special tools are required to perform this repair:

- NPN — Tool, Flywheel Locking 10272
- LSLMV8500 — Kit, Vacuum Hand Pump

Service Procedure

A. Clutch Master Cylinder Inspection.

1. Locate and cut the clip holding the wire harness to the low pressure reservoir hose and **Discard** the clip (Figure 1).

2. Inspect the low pressure reservoir hose. If any leaks, deformation, or wear is found replace the reservoir hose (Figure 1).

   NOTE: Place shop towels to protect paint surface and components from fluid spill, wipe away fluid from components and surface immediately.

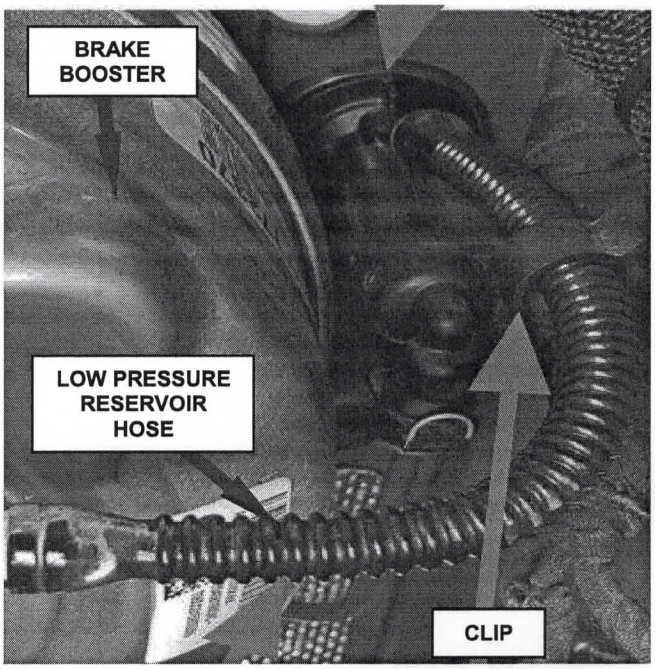

Figure 1 – Low Pressure Reservoir Hose

3. Install the protective sleeve on the low pressure reservoir hose, **making sure it is installed close to the clutch master cylinder inlet tube** (Figure 2).

   NOTE: If the reservoir hose is replaced, actuate the clutch pedal 50 times, making sure the pedal is getting to the top of its return stroke each time (this may require that you lift the pedal to the top of the stroke).

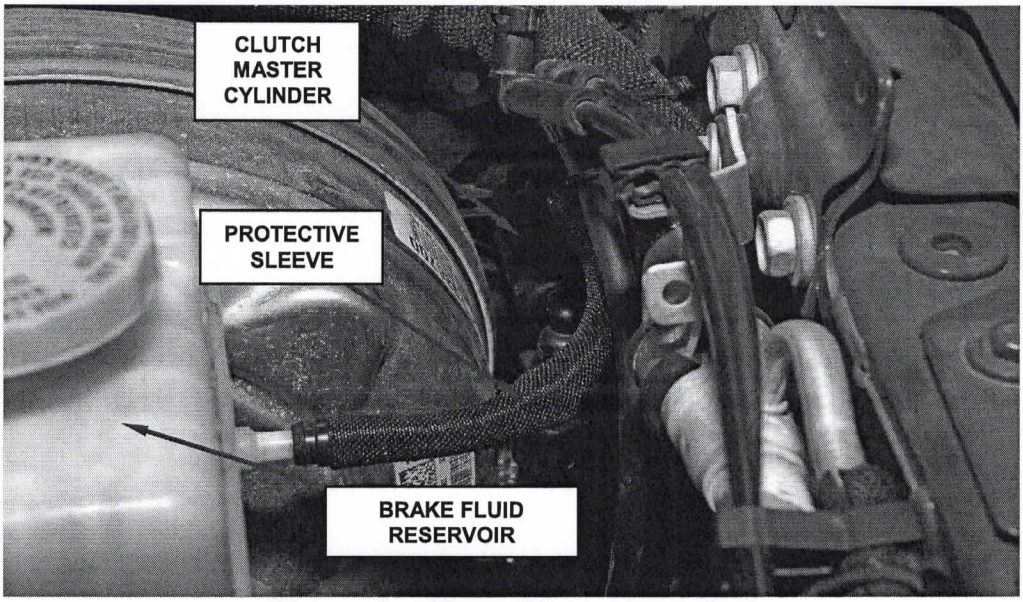

Figure 2 – Hose Sleeve Installed

Service Procedure [Continued]

NOTE: During bleed process below, note if any air bubbles are observed in the clear hose.

4. Perform the hydraulic clutch system bleed, using the Mityvac tool and follow the provided steps below.

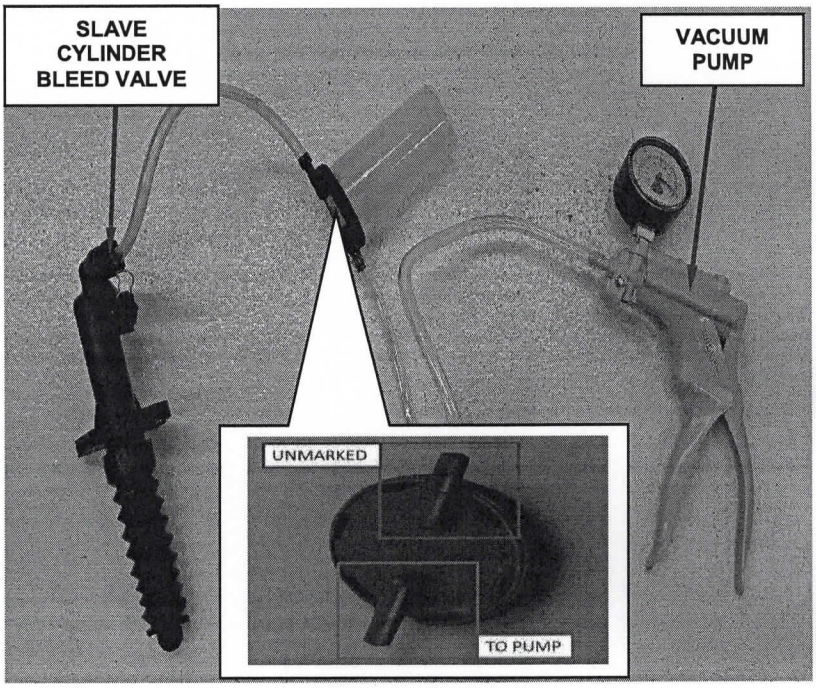

Figure 3 – Mityvac Tool Assembled

5. Assemble the Mightyvac tool using adequate length of clear hose as shown in figure 3.
   a) Install bungee cord or equivalent to hold the clutch pedal up.
   b) Remove the reservoir cap and fill the brake/clutch fluid reservoir to **top** of reservoir (Figure 4).
   c) Raise and support the vehicle on a hoist.
   d) Remove the rubber cap covering the Clutch Release Cylinder (CRC) bleed valve.
   e) Install a length of clear tubing onto the CRC bleed valve.
   f) Connect the other end of the clear tubing to the **UNMARKED** port on the Mityvac clear bottle (Figure 3).

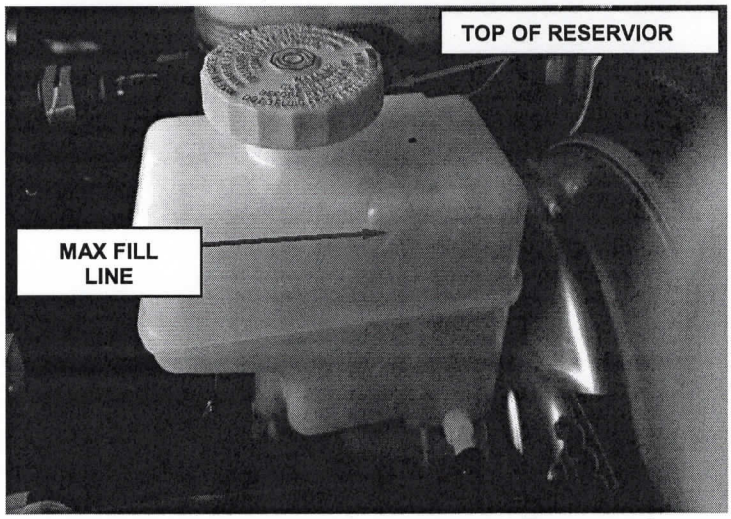

Figure 4 – Brake/Clutch Fluid Reservoir

Service Procedure [Continued]

g) Connect the Mityvac pump side hose to the port marked **TO PUMP** on the Mityvac clear bottle (Figure 3).

h) Using the Mityvac system, create and maintain a minimum vacuum of 20 mmHg on the CRC bleed valve.

i) Fully open the CRC bleed valve.

j) While maintaining vacuum on the CRC bleed valve, continue the process until 60mL of brake fluid is removed.

k) Fully close the CRC bleed valve.

l) Lower the vehicle and top off the brake/clutch fluid reservoir to the top of the reservoir (above **MAX fill**) (Figure 4).

m) Repeat **steps h - l** at least five more times or until there are no more air bubbles observed through the clear hose.

n) Remove the Mityvac system and reinstall the rubber cap on the CRC bleed valve.

o) Lower the vehicle on the hoist.

p) Install brake fluid reservoir cap **(Note: Align cap tabs to reservoir tabs).**

q) Remove bungee cord from clutch pedal.

r) Actuate the pedal **50 times**, making sure the pedal is getting to the top of its return stroke each time (this may require that you lift the pedal to the top of the stroke).

s) At the brake/clutch fluid reservoir, top off or remove fluid as necessary to reach the **MAX** fill line on the reservoir.

t) Engage the parking brake, verify the vehicle is in Neutral, start engine and verify clutch operation and pedal feel.

u) If the clutch pedal is not returning to the top of its stroke, or does not disengage the clutch, repeat the bleeding procedure.

Service Procedure [Continued]

6. During bleed process were any air bubbles observed traveling through the clear hose?

   - **YES:** Proceed to section **B. Clutch Health Check Procedure**
   - **NO:** No further service required, return the vehicle to the customer.

B. Clutch Health Check Procedure

NOTE: The clutch health check procedure requires a technician that has experience in driving manual transmission vehicles.

NOTE: Limit the test to one time, to prevent excessive clutch odor.

1. Move vehicle to a parking lot, away from pedestrians or other vehicles.
2. Close all windows and turn HVAC system off prior to starting procedure below.
3. Fully engage the parking brake.
4. Fully depress to the clutch pedal and move shift lever into 4th gear.
5. Raise the engine to 4,000 RPM (Revolutions Per Minute).
6. Engage the clutch rapidly and simultaneously move the accelerator to wide open throttle.

   NOTE: Do not slide foot off the clutch pedal, simply rapidly release your foot.