

NUMBER: 06-001-16

GROUP: Clutch

DATE: January 08, 2016

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SUBJECT:

Clutch Pedal Operation X62 Extended Warranty

OVERVIEW:

This bulletin involves the replacement of the hydraulic clutch master cylinder and reservoir hose.

MODELS:

2013 - 2014	(PF)	Dodge Dart
2014 - 2015	(KL)	Jeep Cherokee

**NOTE: This bulletin applies to vehicles within the following markets/countries:
NAFTA, EMEA and APAC.**

**NOTE: This bulletin applies to PF vehicles built on or before November 12, 2014
(MDH 1112XX) equipped with a Manual Transmission (Sales Code DE1).**

**NOTE: This bulletin applies to KL vehicles built on or before November 06, 2014
(MDH 1106XX) equipped with a 2.0L Diesel Engine (Sales Code EBT) and a
Manual Transmission (Sales Code DE1).**

SYMPTOM/CONDITION:

Some customers may experience a reduction in clutch pedal stroke.

DIAGNOSIS:

If the customer describes the symptom/condition, perform the Repair Procedure.

PARTS REQUIRED:

Qty.	Part No.	Description
1	52104854AB	Hydraulic Clutch Master Cylinder (PF)
1	52104850AC	Hydraulic Clutch Reservoir Hose (PF)
1	52104854AB	LHD Hydraulic Clutch Master Cylinder (KL)
1	52104868AC	LHD Hydraulic Clutch Reservoir Hose (KL)
1	52104858AB	RHD Hydraulic Clutch Master Cylinder (KL)
1	52104869AC	RHD Hydraulic Clutch Reservoir Hose (KL)
1	55366863AA	RHD Hydraulic Clutch Reservoir Hose Clip (KL)
1	04318080AC	Brake and Clutch Fluid DOT 3
1	04549625AD	Brake and Clutch Fluid DOT 4

REPAIR PROCEDURE:

Refer to the following repair procedures:

- KL LHD — Repair Procedure A
- KL RHD — Repair Procedure B
- PF LHD — Repair Procedure C

Repair Procedure A

1. Disconnect the hydraulic clutch master cylinder rod (1) from the clutch pedal assembly.

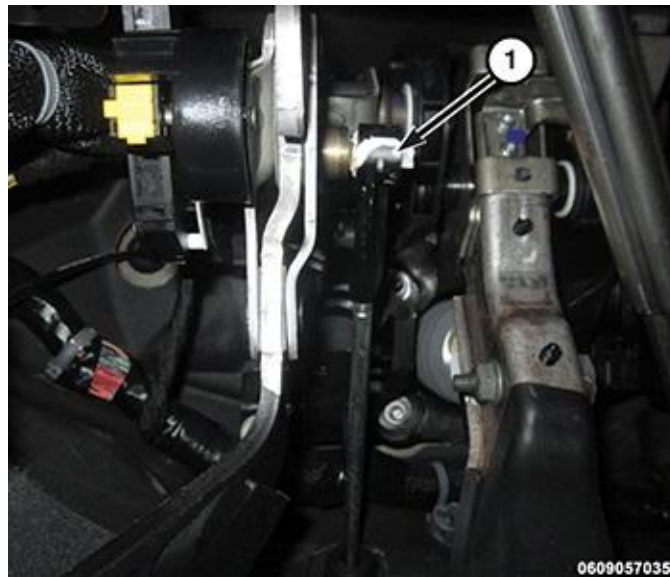


Fig. 1 Clutch Master Cylinder Rod

1 - Clutch Master Cylinder Rod

2. Raise and support the vehicle (Refer to 04 - Vehicle Quick Reference/Hoisting/Standard Procedure).
3. Remove the left front tire and wheel assembly (Refer to 22 - Tires and Wheels/Removal).
4. Remove the hydraulic clutch master cylinder reservoir supply hose from the hydraulic clutch master cylinder and allow the brake fluid to drain into a container.

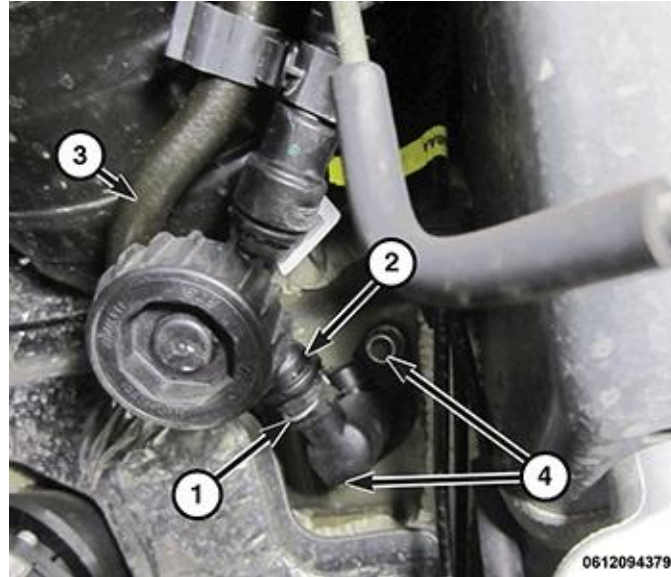


Fig. 2 Clutch Master Cylinder

- 1 - High Pressure Line Clip
- 2 - High Pressure Line
- 3 - Supply Hose
- 4 - Clutch Master Cylinder Nuts

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5. Remove the high pressure line clip (1) and disconnect the high pressure line (2) from the master cylinder (Fig. 2).
 6. Remove the two hydraulic clutch master cylinder nuts (4) (Fig. 2).
 7. Remove the hydraulic clutch master cylinder from the vehicle and discard.
 8. Remove the hydraulic clutch master cylinder reservoir supply hose from the hydraulic clutch master cylinder reservoir and discard.
 9. Install the new hydraulic clutch master cylinder in the vehicle.
 10. Install the hydraulic clutch master cylinder nuts (4) and tighten to the proper (Torque Specifications) (Fig. 2).
 11. Install the new hydraulic clutch master cylinder supply hose (3) and install the clamp (Fig. 2).
 12. Install the hydraulic clutch master cylinder high pressure line (2) and clip (1) (Fig. 2).
 13. Remove the support and lower the vehicle.
 14. Connect the hydraulic clutch master cylinder rod (1) to the clutch pedal assembly (Fig. 1).
 15. Bleed the hydraulic clutch circuit with a minimum of 6 ounces or DOT 4 Brake Fluid (Refer to 06 - Clutch - Standard Procedure).

Repair Procedure B

1. Disconnect the hydraulic clutch master cylinder rod from the clutch pedal assembly.
2. Raise and support the vehicle (Refer to 04 - Vehicle Quick Reference/Hoisting/Standard Procedure).
3. Disconnect the negative battery cable.
4. Disconnect the Powertrain Control Module (PCM) connectors.



Fig. 3 PCM Electrical Connectors

5. Remove Powertrain Control Module.



Fig. 4 PCM Bracket Bolts

1 - PCM Bracket Bolts

6. Remove the hydraulic clutch master cylinder reservoir supply hose from the hydraulic clutch master cylinder and allow the brake fluid to drain into a container.

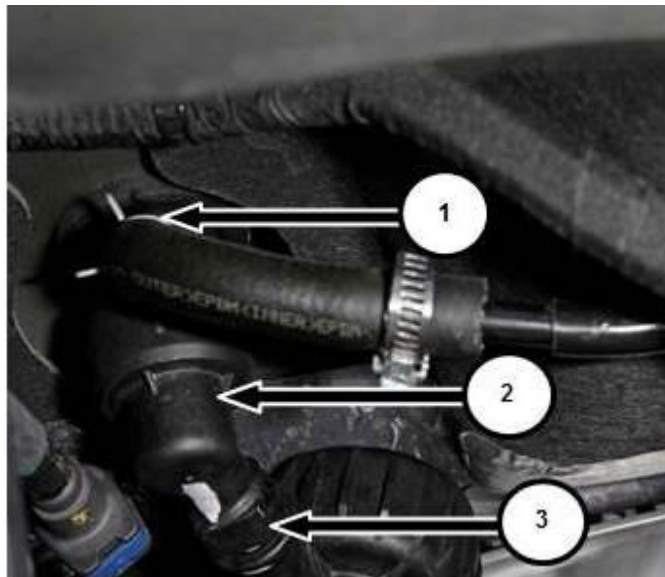


Fig. 5 Clutch Master Cylinder RHD

1 - Supply Hose
2 - Clutch Master Cylinder
3 - High Pressure Line Clip

7. Remove the high pressure line clip (1) and disconnect the high pressure line (2) from the hydraulic clutch master cylinder (Fig. 5).
8. Remove the hydraulic clutch master cylinder (1) from the vehicle by rotating the clutch master cylinder clockwise 90° and discard(Fig. 5).
9. Cut the supply hose fastener (stud tie) securing the supply hose to the body.
10. Remove the hydraulic clutch master cylinder reservoir supply hose from the hydraulic clutch master cylinder reservoir and discard.
11. Install the new hydraulic clutch master cylinder.
12. Install the new hydraulic clutch master cylinder supply hose (3) and install clamp and stud tie (Fig. 5).
13. Install the hydraulic clutch master cylinder high pressure line (2) and clip (1) (Fig. 5).
14. Remove the support and lower the vehicle.
15. Connect the hydraulic clutch master cylinder rod to the clutch pedal assembly.
16. Bleed the clutch hydraulic circuit with a minimum of 6 ounces of Mopar DOT 4 Brake Fluid (Refer to 06 - Clutch - Standard Procedure).

Repair Procedure C

1. Disconnect the hydraulic clutch master cylinder rod (1) from the clutch pedal assembly.

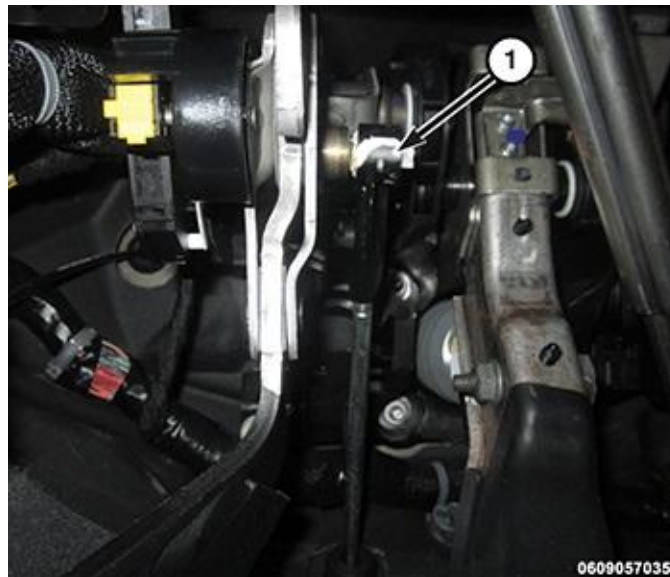


Fig. 6 Clutch Master Cylinder Rod

1 - Clutch Master Cylinder Rod

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2. Raise and support the vehicle (Refer to 04 - Vehicle Quick Reference/Hoisting/Standard Procedure).

3. Remove the hydraulic clutch master cylinder reservoir supply hose from the hydraulic clutch master cylinder, remove hose from hold down clip and allow the brake fluid to drain into a container.

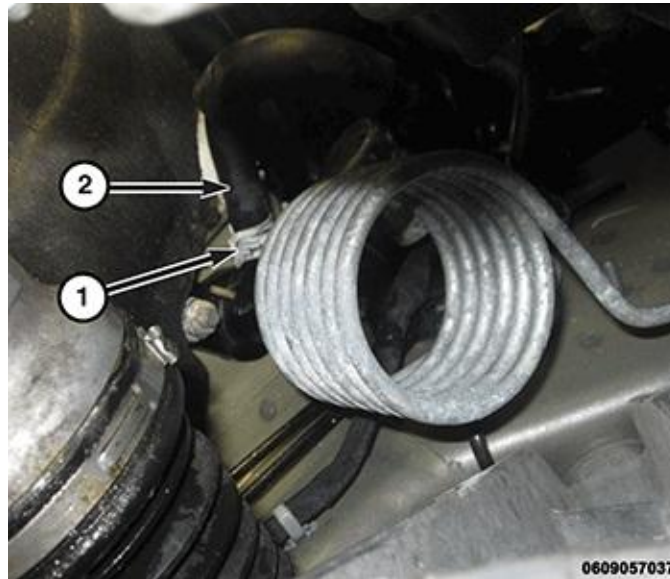


Fig. 7 Supply Hose And Clamp

1 - Supply Hose Clamp

2 - Supply Hose

4. Remove the high pressure line clip (1) and disconnect the high pressure line (2) from the hydraulic clutch master cylinder.

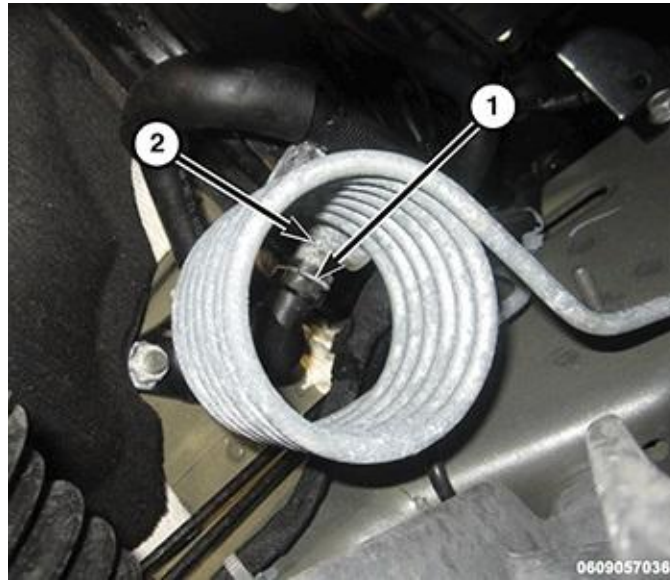


Fig. 8 Clutch Master Cylinder

- 1 - High Pressure Line Clip
 - 2 - High Pressure Line
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5. Remove the two hydraulic clutch master cylinder nuts (4).

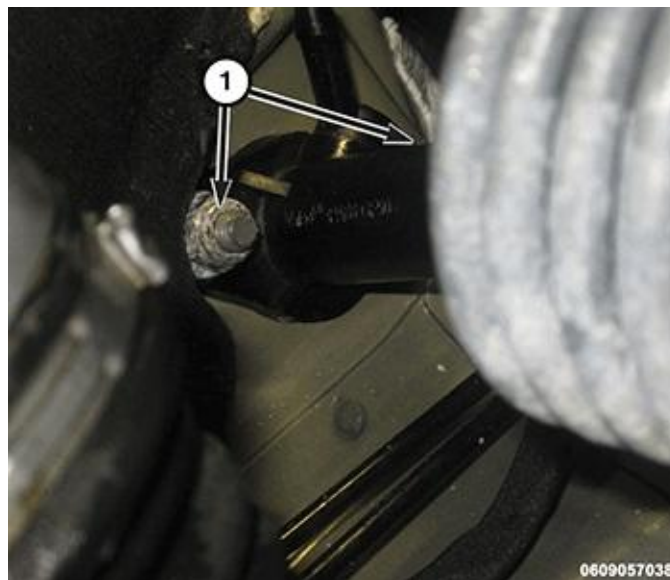


Fig. 9 Clutch Master Cylinder Nuts

- 1 - Clutch Master Cylinder Nuts
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6. Remove the hydraulic clutch master cylinder from the vehicle and discard.
7. Remove the hydraulic clutch master cylinder reservoir supply hose from the clutch master cylinder reservoir and discard.
8. Position the new hydraulic clutch master cylinder in the vehicle.
9. Install the two hydraulic clutch master cylinder nuts (4) and tighten to the proper (Torque Specifications) (Fig. 9).
10. Install the new hydraulic clutch master cylinder supply hose (3) and install the clamp (Fig. 7).
11. Install the hydraulic clutch master cylinder high pressure line (2) and clip (1) (Fig. 8).
12. Remove the support and lower the vehicle.
13. Connect the hydraulic clutch master cylinder rod (1) to the clutch pedal assembly (Fig. 6).
14. Bleed the clutch hydraulic circuit with a minimum of 6 ounces or DOT 3 Brake Fluid (Refer to 06 - Clutch - Standard Procedure).

POLICY:

Reimbursable within the provisions of the warranty.

NOTE: Vehicles included in this Service Bulletin have a 5 Year or 60,000 Mile (97,000 Kilometers) Warranty for this repair. See Warranty Bulletins: U.S. D-16-01, Canada SAB-2016-01, Mexico BG-02-16 or International ID-16-01 for details associated with the extended warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
06-60-05-90 KL - LHD	Master Cylinder and Reservoir Hose, Replace (3 - Skilled)	3 - Driveline	0.8 Hrs
06-60-05-91 PF - LHD	Master Cylinder and Reservoir Hose, Replace (3 - Skilled)	3 - Driveline	0.6 Hrs
06-60-05-92 KL - RHD	Master Cylinder and Reservoir Hose, Replace (3 - Skilled)	3 - Driveline	0.7 Hrs

FAILURE CODE:

ZZ	Service Action
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