
CLUTCH

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GENERAL INFORMATION

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The clutch is a dry single-disc, diaphragm type; hydraulic pressure is used for the clutch control.

SERVICE SPECIFICATIONS

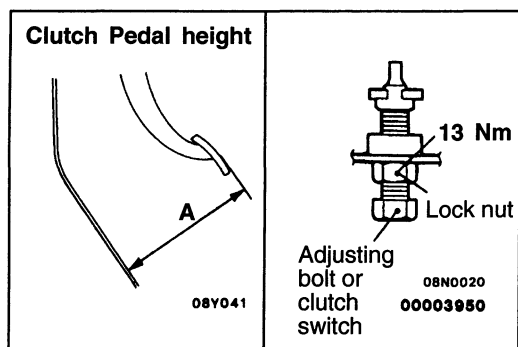
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Items	Standard value
Clutch pedal height mm	175–180
Clutch pedal free play mm	6–13
Clutch pedal clevis pin play mm	1–3
Distance between the clutch pedal and the toeboard when the clutch is disengaged mm	70 or more

LUBRICANTS

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Items	Specified lubricants	Quantity
Clutch fluid	Brake fluid DOT 3 or DOT 4	As required
Push rod assembly	Rubber grease	
Boot		
Release cylinder push rod	MITSUBISHI genuine grease Part No. 0101011	

**ON-VEHICLE SERVICE**

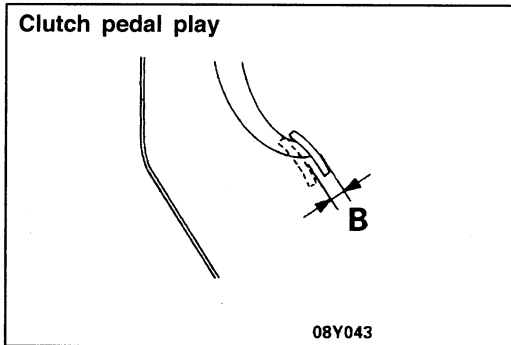
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CLUTCH PEDAL CHECK AND ADJUSTMENT

1. Turn up the carpet, etc. under the clutch pedal.
2. Measure the clutch pedal height as shown in the figure.

Clutch pedal height**Standard value (A): 175–180 mm**

3. If the pedal height is not within the standard value, loosen the lock nut and adjust the pedal height to the standard value using the adjusting bolt (vehicles without auto-cruise control), or using the clutch switch or push rod (vehicles with auto-cruise control).



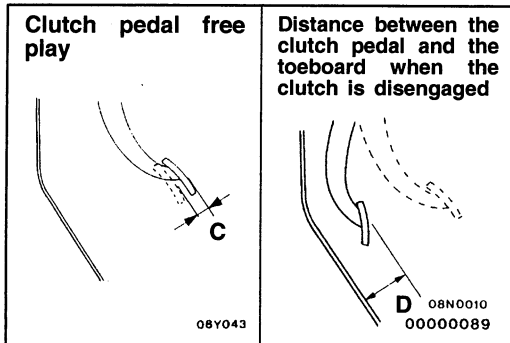
4. Measure the clutch pedal play.

Clutch pedal play (play at the clevis pin)
Standard value (B): 1–3 mm

5. If the clutch pedal play is outside the standard value, adjust with the push rod.

Caution

Do not push in the master cylinder push rod at this time.

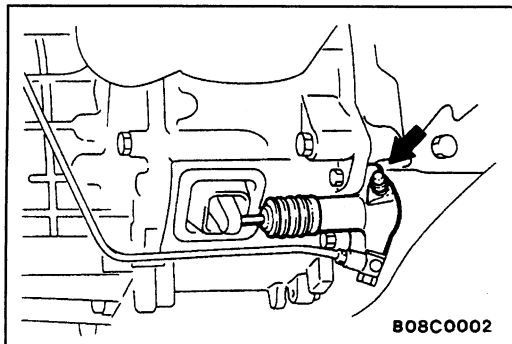


6. After completing the adjustments, confirm that the clutch pedal free play (measured at the face of the pedal pad) and the distance between the clutch pedal (the face of the pedal pad) and the toeboard when the clutch is disengaged are within the standard value ranges.

Standard value (C): 6–13 mm

Standard value (D): 70 mm or more

7. If the clutch pedal free play and the distance between the clutch pedal and the toeboard when the clutch is disengaged do not agree with the standard values, it is probably the result of either air in the hydraulic system or a faulty master cylinder or clutch. Bleed the air, or disassemble and inspect the master cylinder or clutch.
8. Turn back the carpet, etc.



BLEEDING

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Specified fluid: Brake fluid DOT 3 or DOT 4

Caution

Use the specified brake fluid. Avoid using a mixture of the specified fluid and other fluid.

CLUTCH PEDAL

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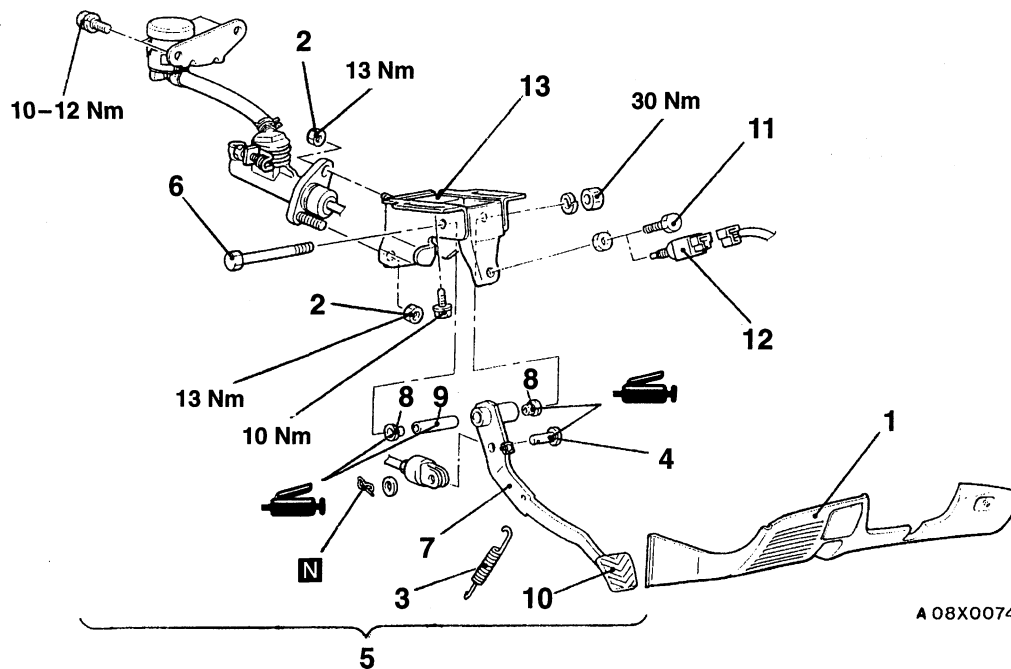
REMOVAL AND INSTALLATION

Pre-removal Operation

- Scuff Plate Removal (Refer to GROUP 52A – Trims.)
- Cowl Side Trim Removal (Refer to GROUP 52A – Trims.)
- Junction Block Installation Bolt Removal

Post-installation Operation

- Clutch Pedal Adjustment (Refer to P21-2.)
- Junction Block Installation
- Cowl Side Trim Installation (Refer to GROUP 52A – Trims.)
- Scuff Plate Installation (Refer to GROUP 52A – Trims.)



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Removal steps

1. Instrument under cover (Refer to GROUP 52A – Instrument Panel.)
2. Master cylinder installation nuts
3. Clutch pedal return spring
4. Clevis pin
5. Clutch pedal assembly
6. Bolt
7. Clutch pedal
8. Bushing
9. Spacer
10. Pedal pad
11. Adjusting bolt <Vehicles without auto-cruise control system>
12. Clutch switch <Vehicles with auto-cruise control system>
13. Clutch pedal bracket assembly

CLUTCH CONTROL

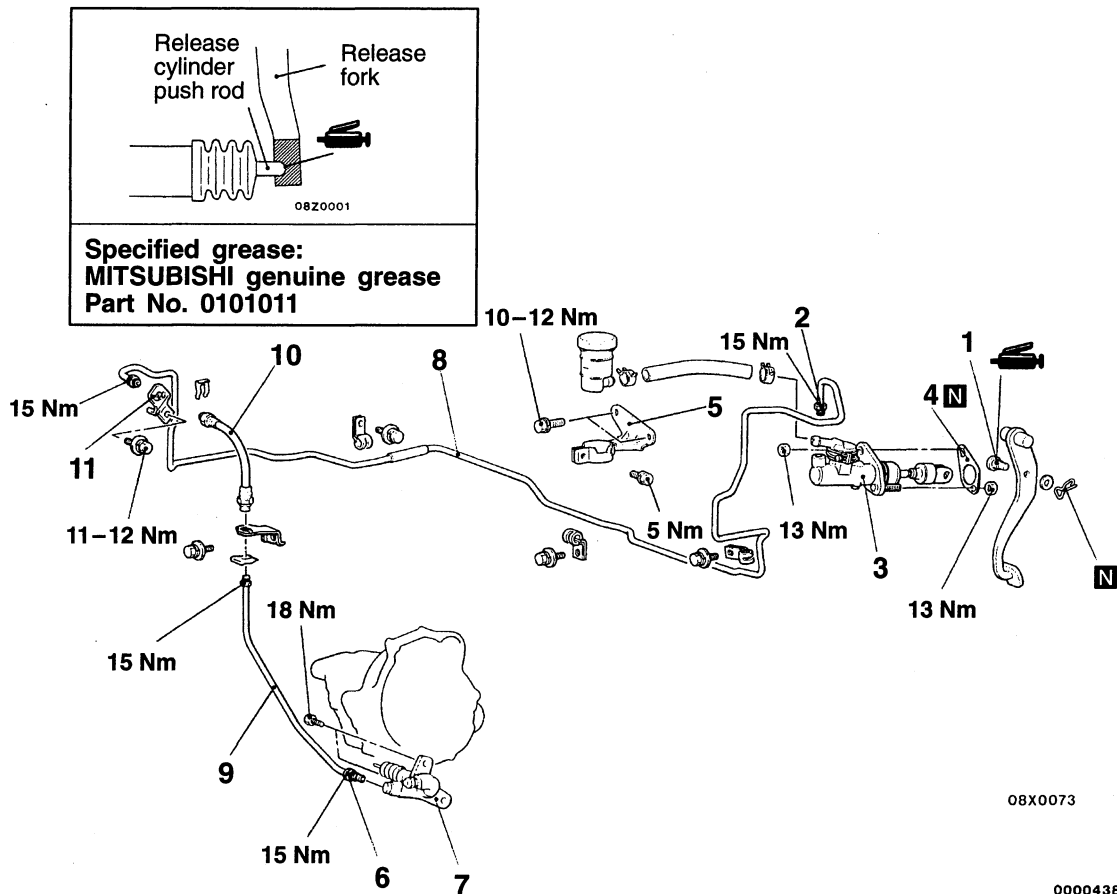
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REMOVAL AND INSTALLATION**Pre-removal Operation**

- Clutch Fluid Draining

Post-installation Operation

- Clutch Fluid Supplying
- Clutch Line Bleeding (Refer to P.21-3.)
- Clutch Pedal Adjustment (Refer to P.21-2.)

**Clutch master cylinder removal steps**

1. Clevis pin
2. Clutch pipe connection
3. Clutch master cylinder
4. Sealer
5. Reservoir bracket

Clutch release cylinder removal steps

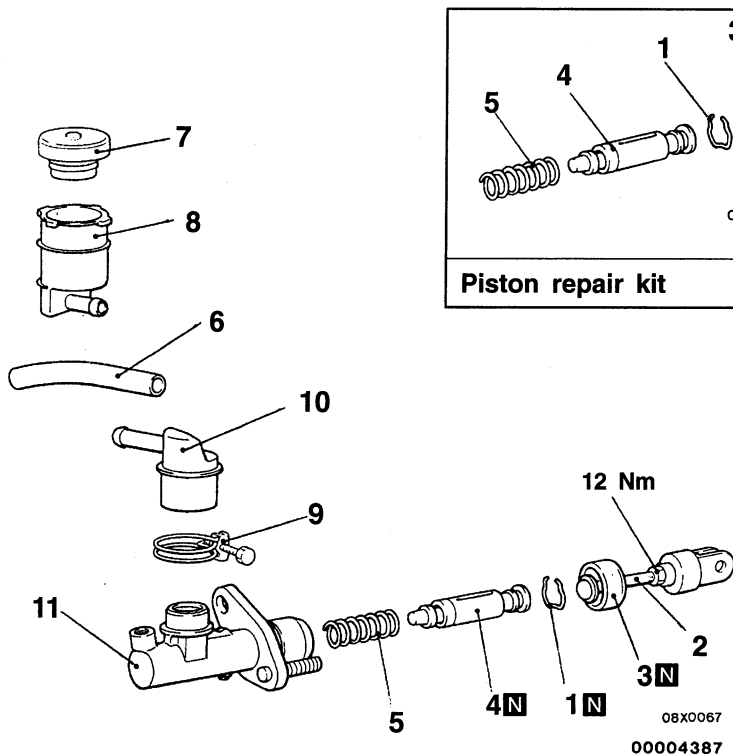
6. Clutch pipe connection
7. Clutch release cylinder

Clutch line removal steps

8. Clutch pipe
9. Clutch pipe
10. Clutch hose
11. Clutch hose bracket

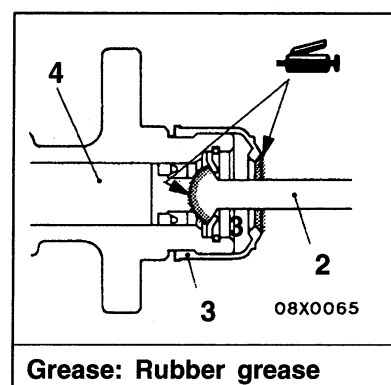
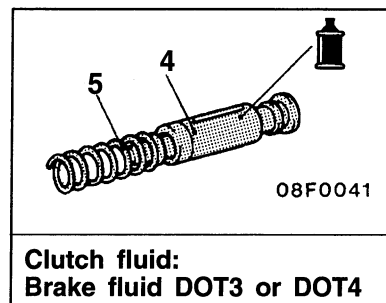
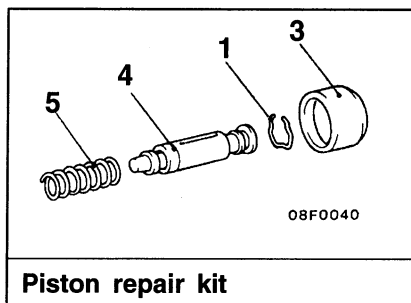
CLUTCH MASTER CYLINDER DISASSEMBLY AND REASSEMBLY

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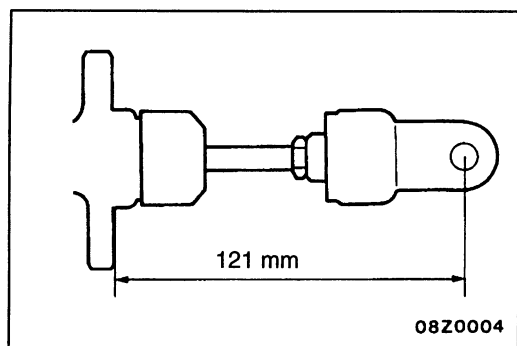


Disassembly steps

- A◄
1. Piston stopper ring
 2. Push rod assembly
 3. Boot
 4. Piston assembly
 5. Return spring
 6. Reservoir hose



7. Reservoir cap
8. Reservoir tank
9. Reservoir band
10. Nipple
11. Clutch master cylinder body



INSTALLATION SERVICE POINT

►A◄ PUSH ROD ASSEMBLY INSTALLATION

NOTE

Set the length of the push rod assembly to the shown dimension to make the adjustment of the clutch pedal easier.