
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

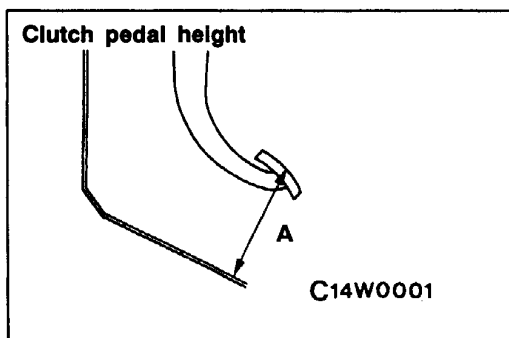
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Items	Standard value
Clutch pedal height mm	162–165
Clutch pedal clevis pin play mm	1–3
Clutch pedal free play mm	6–13
Distance between the clutch pedal and the toeboard when the clutch is disengaged mm	85 or more

LUBRICANTS

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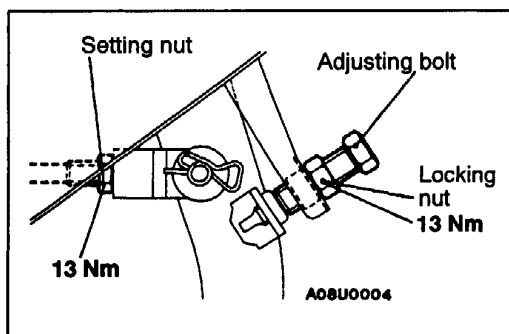
Items	Specified lubricants	Quantity
Clutch fluid	Brake fluid DOT 3 or DOT 4	As required
Push rod assembly	Rubber grease	
Boot		
Release cylinder push rod	MITSUBISHI genuine grease Part No. 0101011	

**ON-VEHICLE SERVICE**

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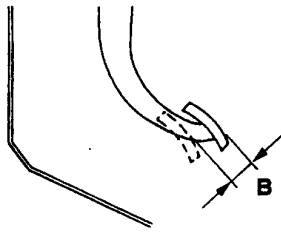
CLUTCH PEDAL INSPECTION AND ADJUSTMENT

1. Turn up the carpet, etc. under the clutch pedal.
2. Measure the clutch pedal height.
Standard value (A): 162 – 165 mm



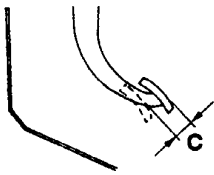
3. If the height of the clutch pedal is outside the standard value, loosen the lock nut and adjust the pedal height to the standard value using the adjusting bolt or push rod.

Clutch pedal clevis pin play



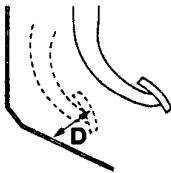
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Clutch pedal free play



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Distance between the clutch pedal and the toeboard when the clutch is disengaged

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4. Measure the clutch pedal play.

Standard value (B): 1 – 3 mm

5. If the clutch pedal play is not within the standard value, loosen the locking nut and move the push rod to adjust.

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): 85 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 disassembly and inspect the master cylinder or clutch.
8. Turn back the carpet, etc.

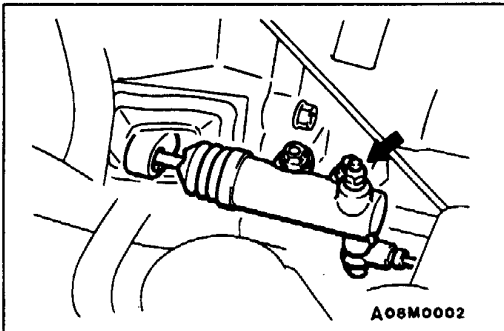
BLEEDING

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Specified fluid: Brake fluid DOT 3 or DOT 4

Caution

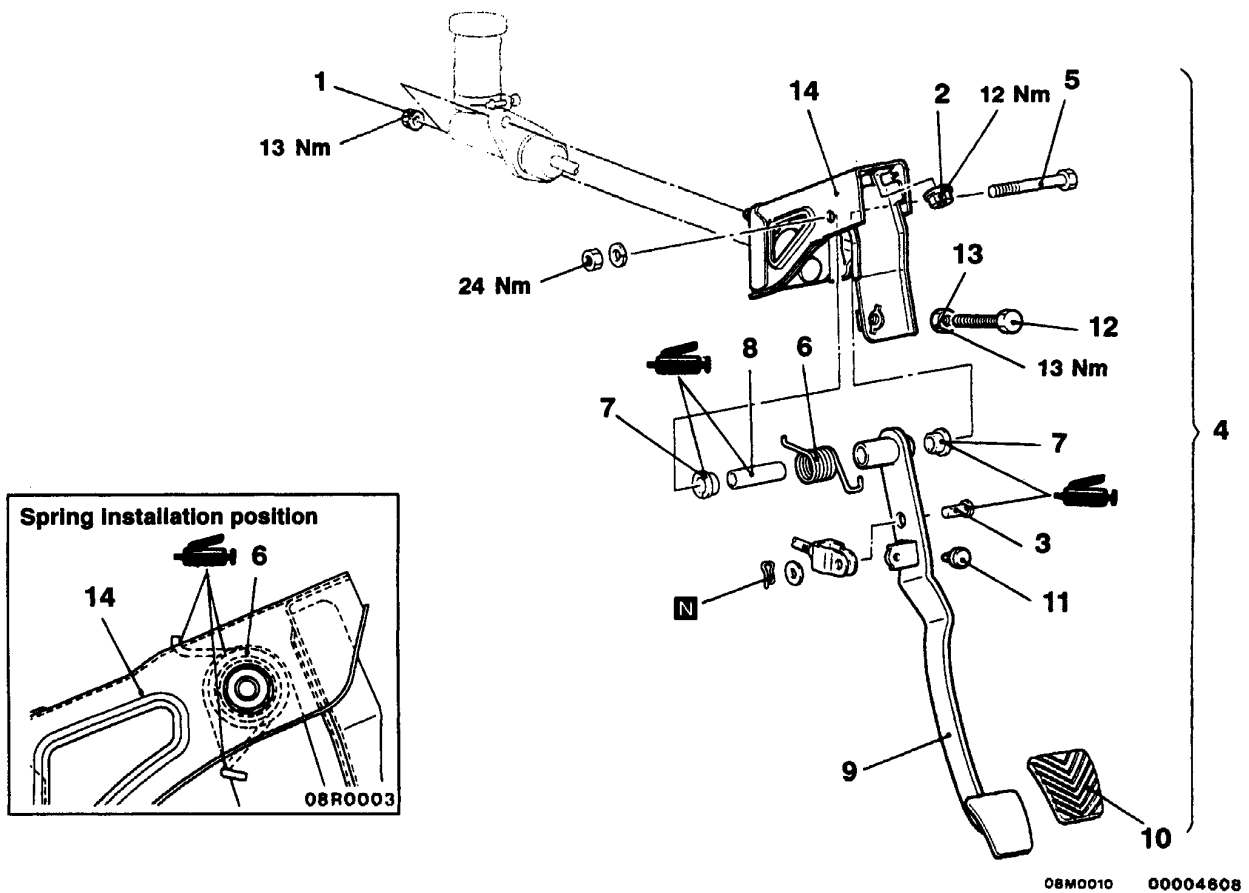
Use the specified brake fluid. Avoid using a mixture of the specified fluid and other fluid.



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CLUTCH PEDAL**REMOVAL AND INSTALLATION**

Post-Installation Operation
Clutch Pedal Adjustment (Refer to P. 21-2.)

**Removal steps**

- | | |
|--|--------------------------|
| 1. Clutch master cylinder installation nut | 7. Bushing |
| 2. Master cylinder member bracket installation nut | 8. Pipe |
| 3. Clevis pin | 9. Clutch pedal |
| 4. Pedal support member and clutch pedal assembly | 10. Pedal pad |
| 5. Bolt | 11. Stopper |
| 6. Return spring | 12. Adjusting bolt |
| | 13. Locking nut |
| | 14. Pedal support member |

CLUTCH CONTROL

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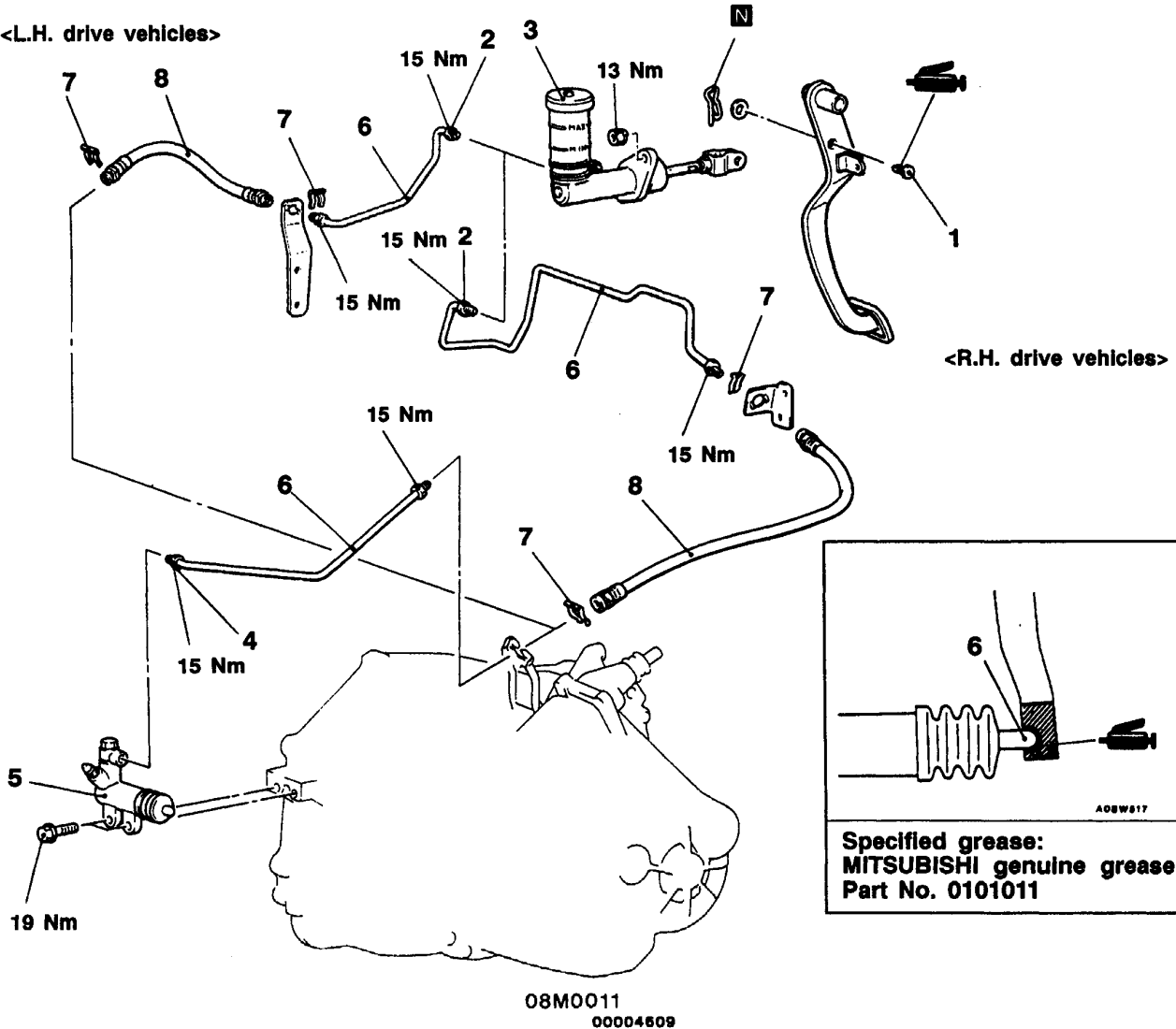
REMOVAL AND INSTALLATION**Pre-removal Operation**

- Clutch Fluid Draining
- Air Cleaner Removal

Post-Installation Operation

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

<L.H. drive vehicles>

**Clutch master cylinder removal steps**

1. Clevis pin
2. Clutch pipe connection
3. Clutch master cylinder

Clutch release cylinder removal steps

4. Clutch pipe connection
5. Clutch release cylinder

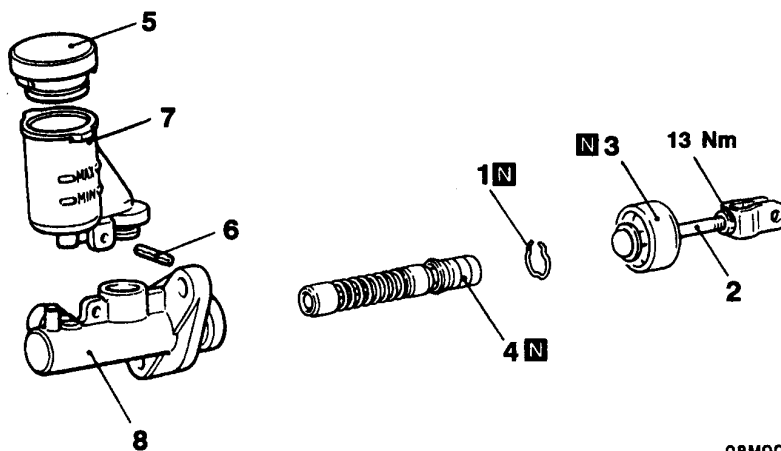
Clutch line removal steps

6. Clutch pipe
7. Hose clip
8. Clutch hose

DISASSEMBLY AND REASSEMBLY

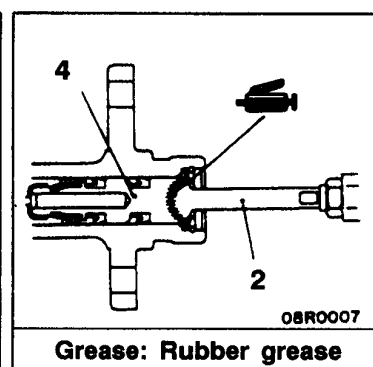
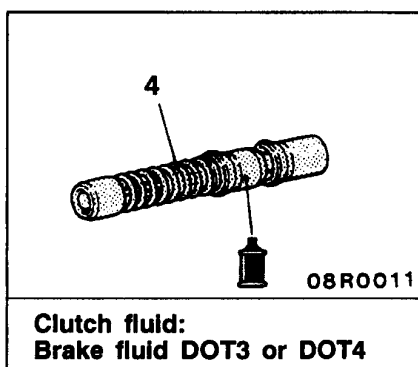
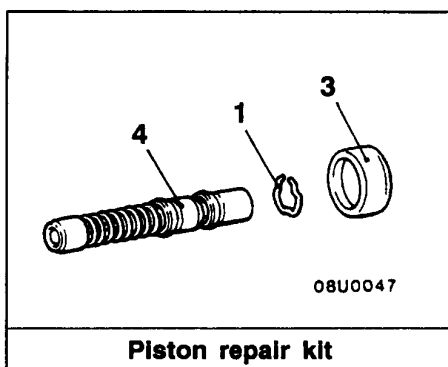
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CLUTCH MASTER CYLINDER



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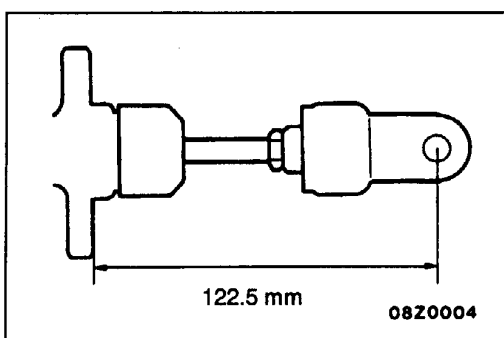
Disassembly steps



1. Piston stopper ring
2. Push rod assembly
3. Boot
4. Piston assembly
5. Reservoir cap
6. Spring pin
7. Reservoir tank
8. Clutch master cylinder body

Caution

Do not disassemble piston assembly.



INSTALLATION SERVICE POINT

PUSH ROD ASSEMBLY INSTALLATION

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