

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

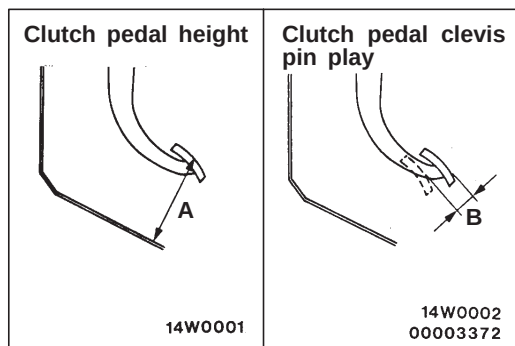
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Items	Standard value
Clutch pedal height mm	163.5–166.5 <L.H. drive vehicles> 162.5–165.5 <R.H. drive vehicles>
Clutch pedal free play mm	6–13
Clutch pedal clevis pin play mm	1–3
Distance between the clutch pedal and the toeboard when the clutch is disengaged mm	50 <L.H. drive vehicles> 75 <R.H. drive vehicles>

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

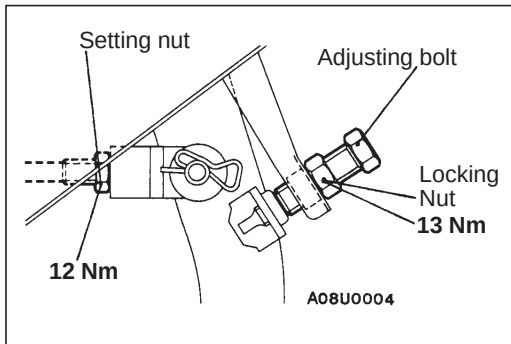
1. Turn up carpet, etc. under the clutch pedal.
2. Measure the clutch pedal height and the clutch pedal clevis pin play.

Standard value (A):

163.5–166.5 <L.H. drive vehicles>

162.5–165.5 <R.H. drive vehicles>

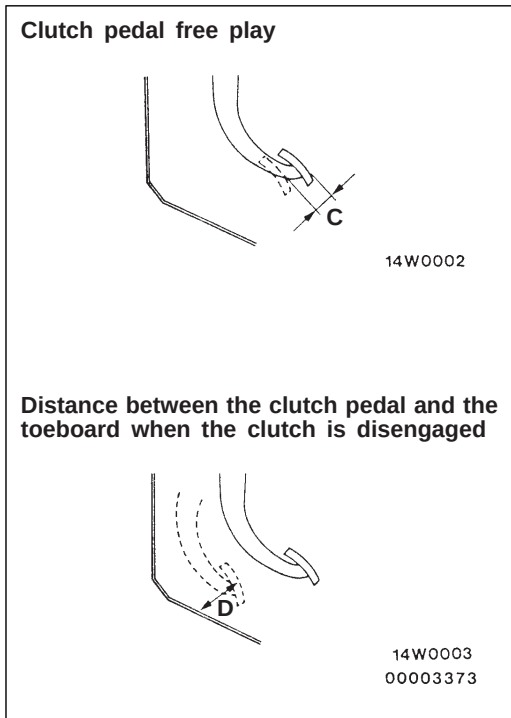
Standard value (B): 1–3 mm



2. 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.
3. 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, otherwise the clutch will not operate properly.



4. 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.

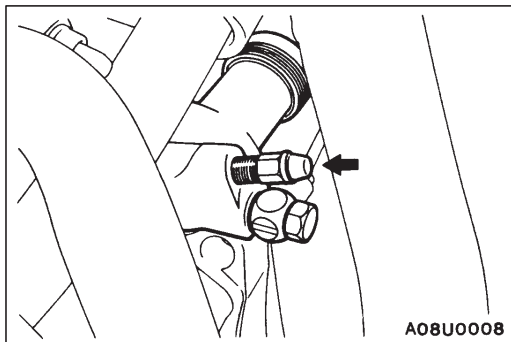
Standard value (C): 6–13 mm

Standard value (D):

50 mm <L.H. drive vehicles>

75 mm <R.H. drive vehicles>

5. If the measured values 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.
6. Turn back the carpet, etc.

**BLEEDING**

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Specified brake fluid: DOT 3 or DOT 4

Caution

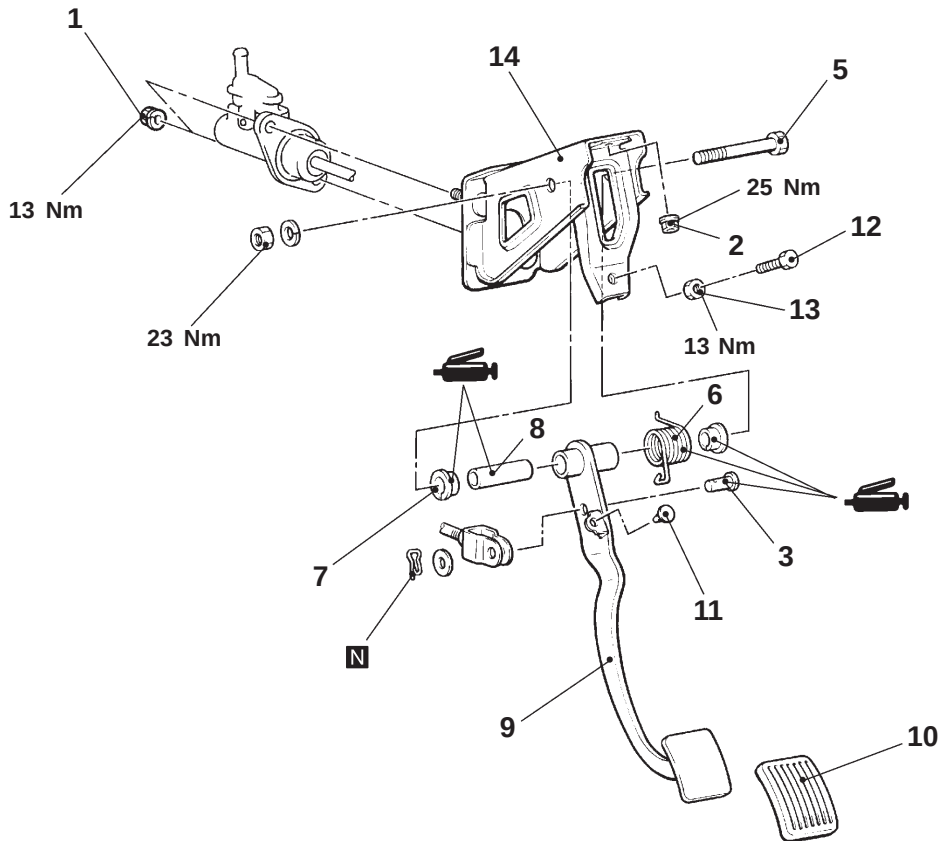
Avoid using a mixture of the specified fluid and other fluid, otherwise the clutch fluid will deteriorate resulting clutch fault.

CLUTCH PEDAL

REMOVAL AND INSTALLATION

Pre-removal and Post-installation Operation

- Relay Box Removal and Installation
<L.H.Drive Vehicles>
- Canister Removal and Installation
<L.H.Drive Vehicles>
- Clutch Pedal Adjustment (Refer to P.21-2.)



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Removal steps

- | | |
|---|-------------------------------------|
| 1. Clutch master cylinder installation nut | 7. Clutch pedal bushing |
| 2. Master cylinder member 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. Clutch pedal return spring | 12. Adjusting Bolt |
| | 13. Lock nut |
| | 14. Master cylinder member assembly |

CLUTCH CONTROL

REMOVAL AND INSTALLATION

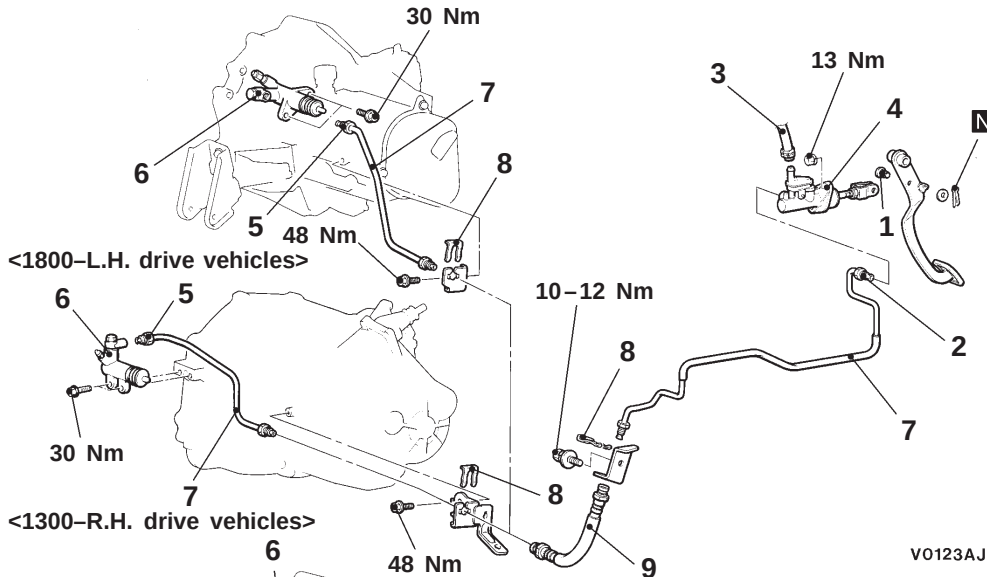
Pre-removal Operation

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

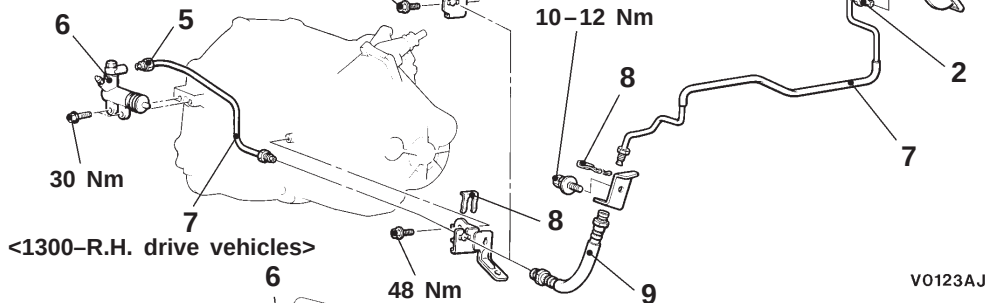
Post-installation Operation

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

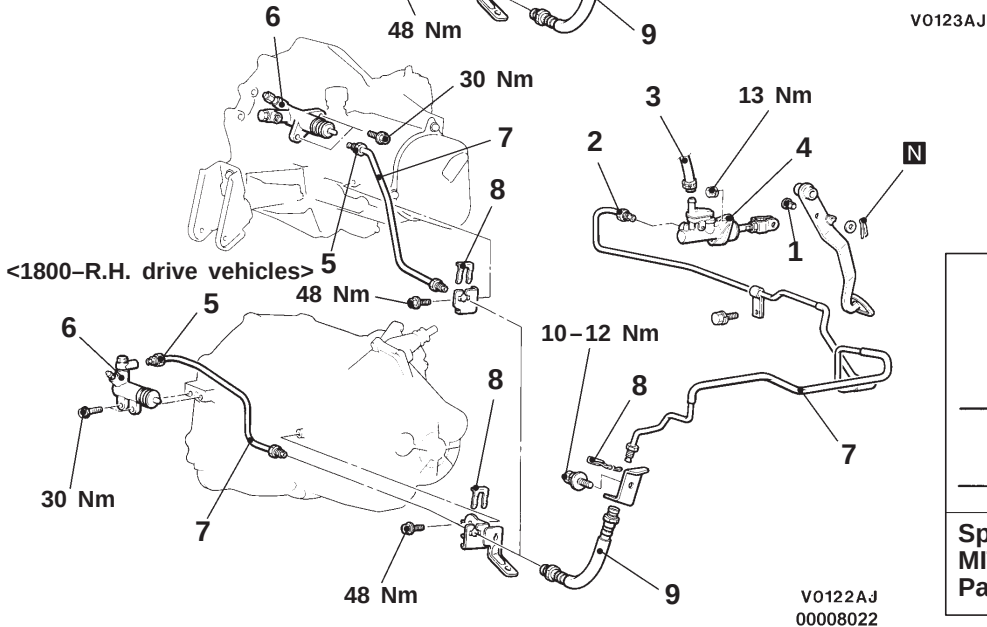
<1300-L.H. drive vehicles>



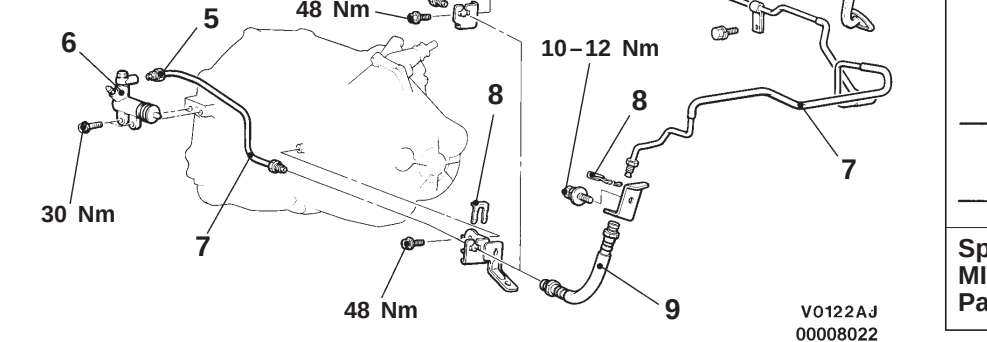
<1800-L.H. drive vehicles>



<1300-R.H. drive vehicles>



<1800-R.H. drive vehicles>

**Clutch master cylinder removal steps**

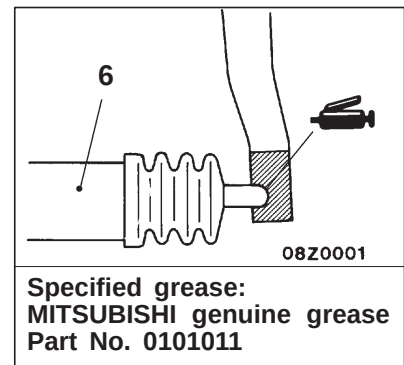
- Relay Box <L.H. drive Vehicles>
- Canister <L.H. drive Vehicles>
- 1. Clevis pin
- 2. Clutch pipe connection
- 3. Reservoir hose connection
- 4. Clutch master cylinder

Clutch release cylinder removal steps

- 5. Clutch pipe connection
- 6. Clutch release cylinder

Clutch line removal steps

- 7. Clutch pipe
- 8. Hose clip
- 9. Clutch hose



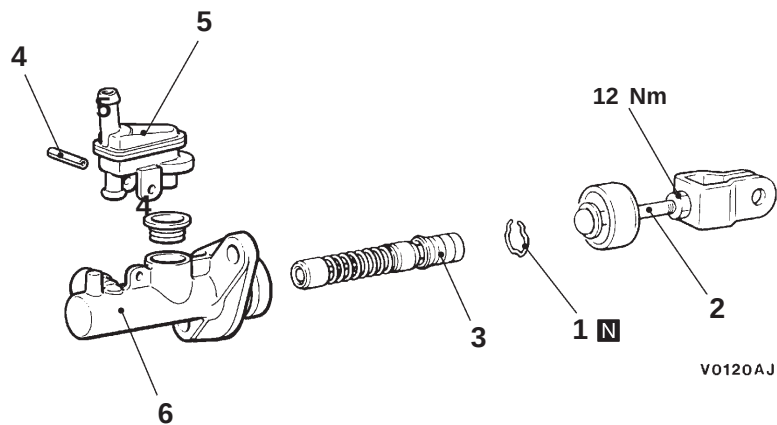
DISASSEMBLY AND REASSEMBLY

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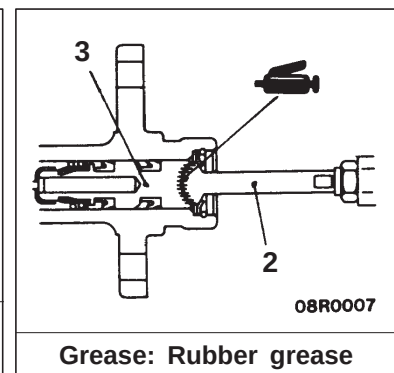
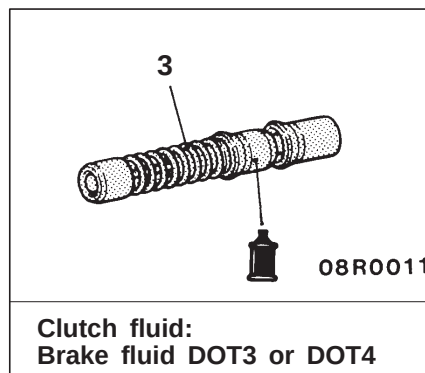
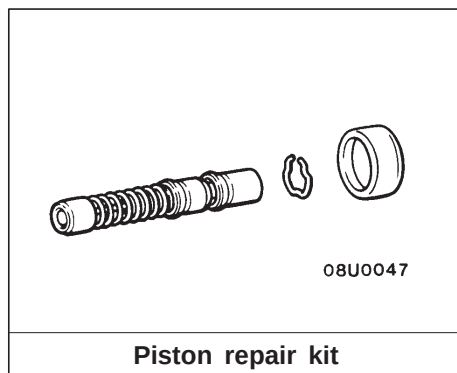
CLUTCH MASTER CYLINDER

Caution

Do not disassemble piston assembly. The piston assembly can not be reassembled.



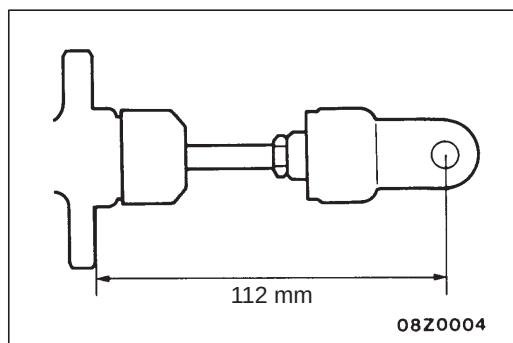
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Disassembly steps

- A◄
1. Piston stopper ring
 2. Push rod assembly
 3. Piston assembly

4. Spring pin
5. Nipple
6. Clutch master cylinder body



INSTALLATION SERVICE POINT

►A◄ PUSH ROD ASSEMBLY INSTALLATION

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