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# CLUTCH

## CONTENTS

E21AA-

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**SPECIFICATIONS****GENERAL SPECIFICATIONS**

E21CA--

Items	1300 <L.H.D.>	1300 <R.H.D.>, 1600, 1800, 2000
Clutch operating method	Cable type	Hydraulic type
Clutch master cylinder I.D. mm (in.)	_____	15.87 (10/16)

**SERVICE SPECIFICATIONS**

E21CB--

Items	Cable type	Hydraulic type
Standard value		
Clutch pedal height mm (in.)	162–165 (6.38–6.50)	162–165 (6.38–6.50)
Clutch pedal clevis pin play mm (in.)	_____	1–3 (0.04–0.12)
Clutch pedal free play mm (in.)	17–22 (0.67–0.87)	6–13 (0.24–0.51)
Distance between the clutch pedal and the toeboard when the clutch is disengaged mm (in.)	70 (2.8) or more	70 (2.8) or more

**LUBRICANTS**

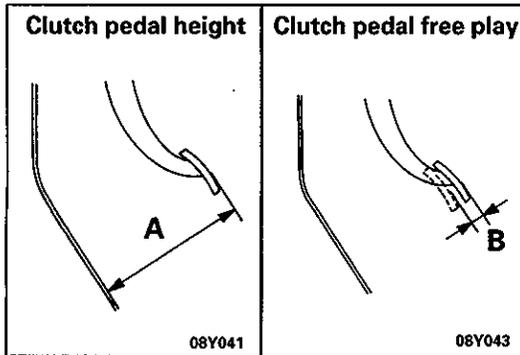
E21CD--

Items	Specified lubricants	Quantity
Clutch fluid	Brake fluid DOT3 or DOT4	As required
Push rod assembly	Rubber grease	As required
Boot	Rubber grease	As required
Clutch release fork shaft and clevis pin <1300>	MITSUBISHI genuine grease Part No. 0101011	As required
Release cylinder push rod <1600, 1800, 2000>	MITSUBISHI genuine grease Part No. 0101011	As required

**SERVICE ADJUSTMENT PROCEDURES**

**CLUTCH PEDAL INSPECTION AND ADJUSTMENT (CABLE TYPE)**

E21FBAI



1. Measure the clutch pedal height and free play.

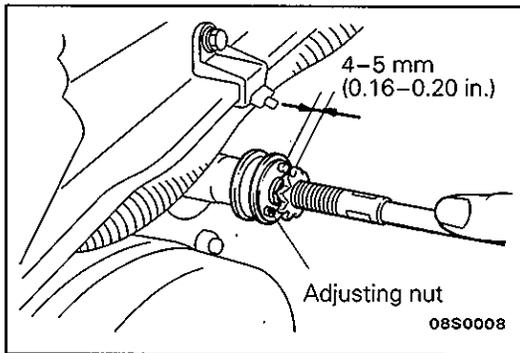
**Standard value (A): 162–165 mm (6.38–6.50 in.)**

**Standard value (B): 17–22 mm (0.67–0.87 in.)**

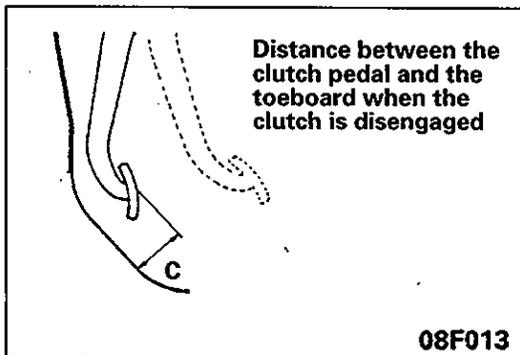
**NOTE**

The clutch pedal height is not adjustable.

If it deviates from the standard value, check the pedal support member for deformation etc. and replace the part if necessary.



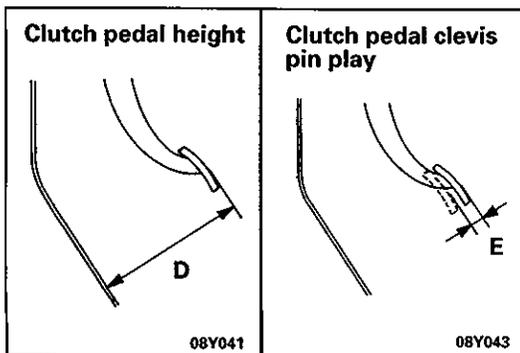
2. If the clutch pedal play is outside the standard value, adjust by turning the adjusting nut so that the clearance between the adjusting nut and the insulator on the engine room side of the toeboard is at the standard dimension when the clutch cable is gently pulled.



3. After making the adjustment, depress the clutch pedal several times and check the clutch pedal to toeboard clearance is within the standard value range when the clutch is disengaged.

**Standard value (C): 70 mm (2.8 in.) or more**

4. If the clearance between the clutch pedal and the toeboard is less than the standard value when the clutch is disengaged, the clutch body is probably defective, so disassemble the clutch body.



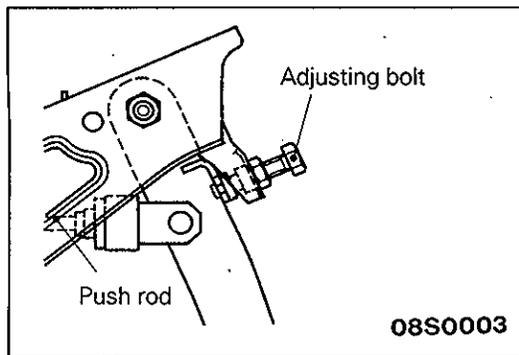
**(HYDRAULIC TYPE)**

E21FAAQ

1. Measure the clutch pedal height and the clutch pedal clevis pin play.

**Standard value (D): 162–165 mm (6.38–6.50 in.)**

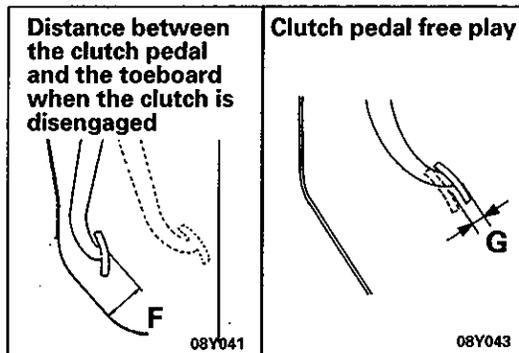
**Standard value (E): 1–3 mm (0.04–0.12 in.)**



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.
3. 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.**

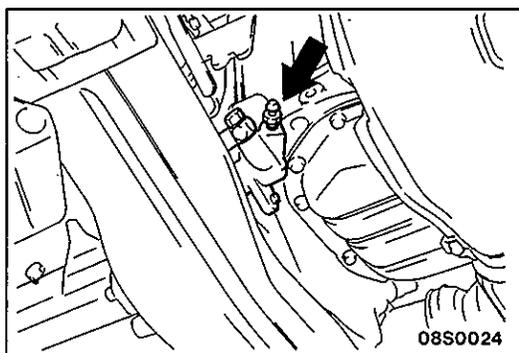


4. After completing the adjustments, confirm that the clutch pedal free play (measured at the face of the pedal pad) and the distance between the clutch pedal (the face of the pedal pad) and the toeboard when the clutch is disengaged are within the standard value ranges.

**Standard value (F): 70 mm (2.8 in.) or more**

**Standard value (G): 6–13 mm (0.24–0.51 in.)**

5. 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.

**BLEEDING**

E21FEAB

Whenever the clutch pipe, the clutch hose, and/or the clutch master cylinder have been removed, or if the clutch pedal is spongy, bleed the system.

**Specified brake fluid: DOT 3 or DOT 4**

**Caution**

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

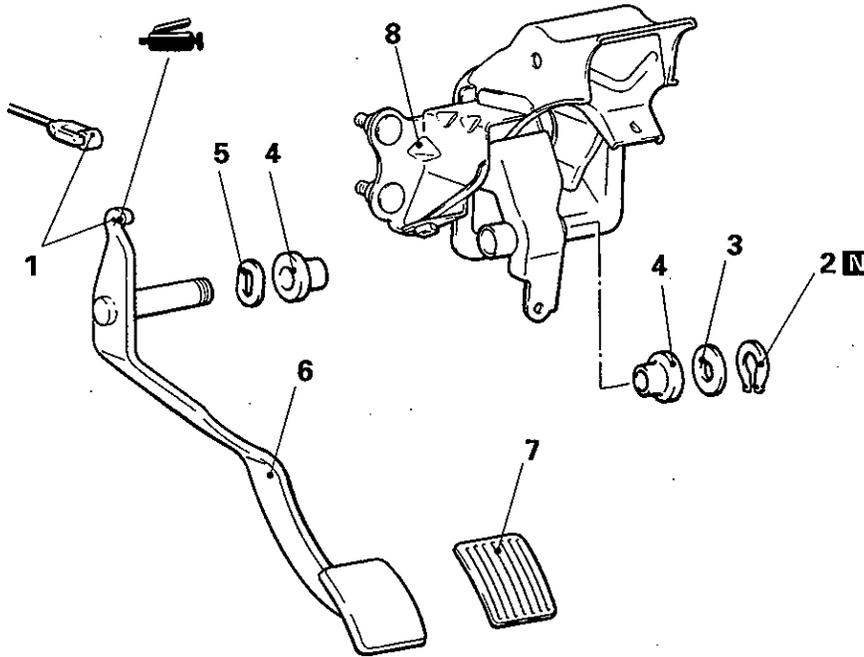
**CLUTCH PEDAL (CABLE TYPE)**

E21PA--

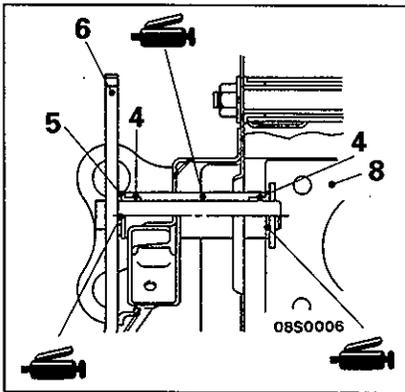
**REMOVAL AND INSTALLATION**

**Post-installation Operation**

- Clutch Pedal Adjustment  
(Refer to P. 21-3.)



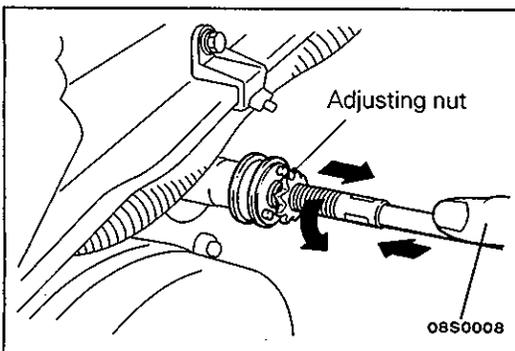
08S0029



**Removal steps**



1. Connection for clutch cable
2. Snap ring
3. Plain washer
4. Bushing
5. Wave washer
6. Clutch pedal
7. Pedal pad
8. Pedal support member (Refer to GROUP 35 – Brake Pedal.)



**SERVICE POINT OF REMOVAL**

E21PBAD

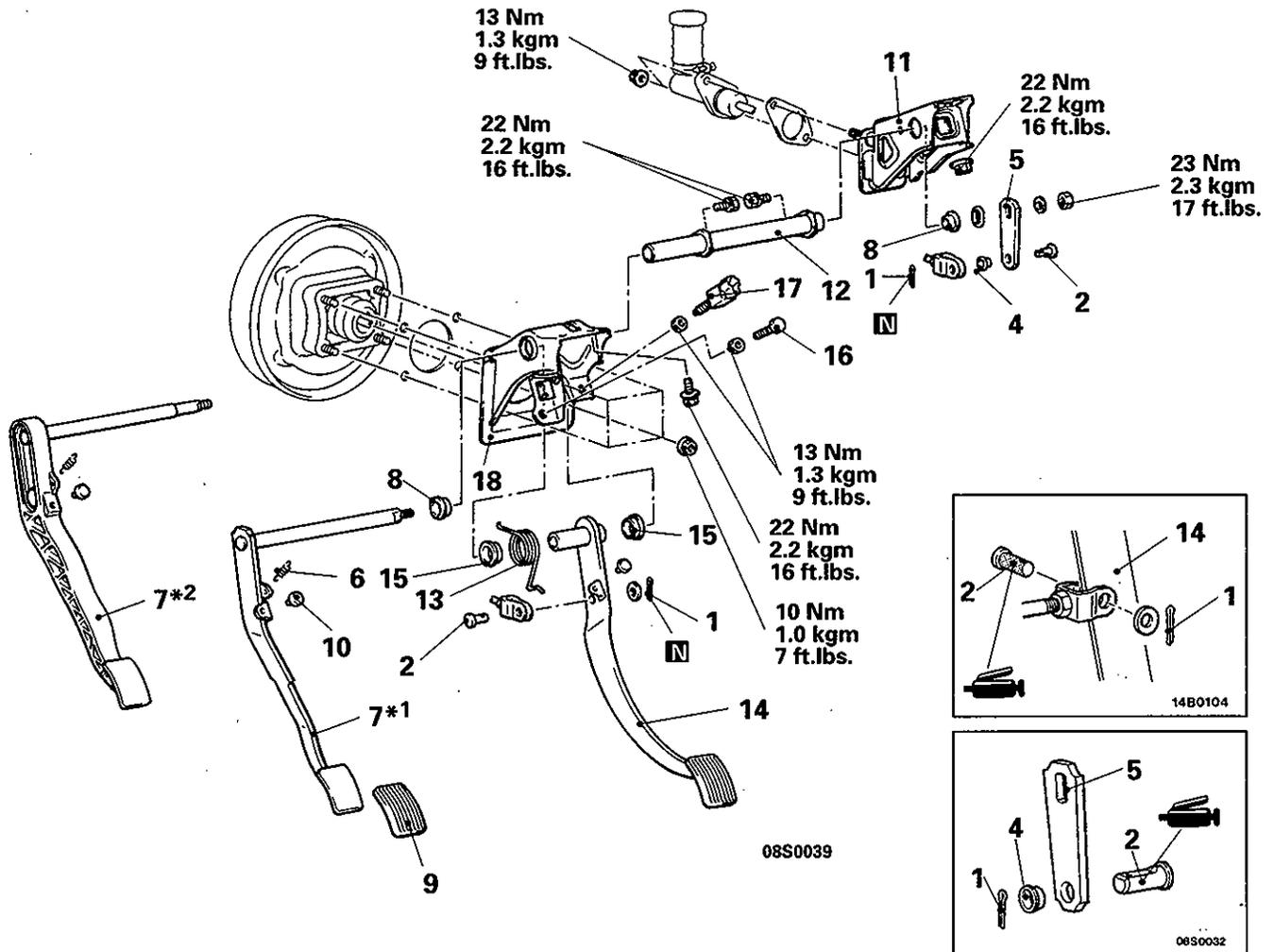
**1. DISCONNECTION OF CLUTCH CABLE**

- (1) Pull out the cable and turn the adjusting nut counter-clockwise to increase the cable play.
- (2) Push the cable into the interior.
- (3) Disconnect the cable from the clutch lever.

**CLUTCH PEDAL (HYDRAULIC TYPE)  
REMOVAL AND INSTALLATION**

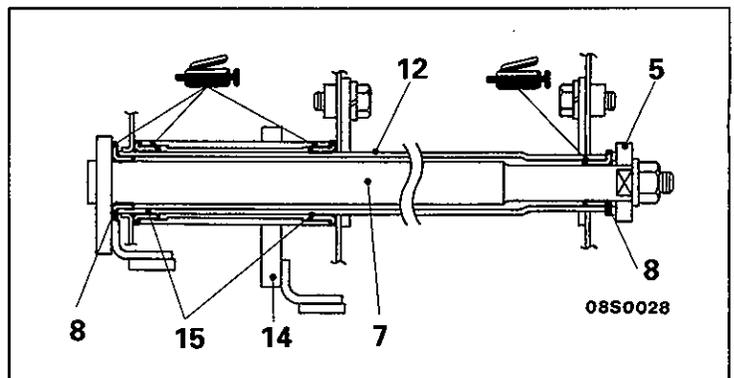
L.H. drive vehicles

**Post-installation Operation**  
 • Clutch Pedal Adjustment  
 (Refer to P. 21-3.)



**Removal steps**

1. Split pin
2. Clevis pin
3. Pedal assembly (Parts No. 4 - 18)
4. Bushing
5. Clutch lever
6. Return spring
7. Clutch pedal
8. Bushing
9. Pedal pad
10. Stopper
11. Master cylinder member assembly
12. Pedal rod
13. Return spring
14. Brake pedal
15. Bushing
16. Stopper bolt
17. Stop lamp switch
18. Pedal support member

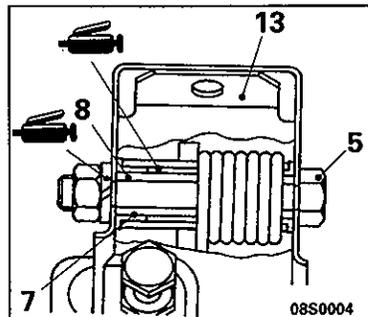
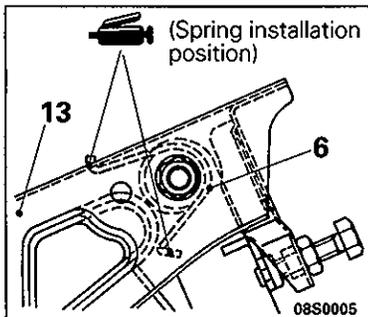
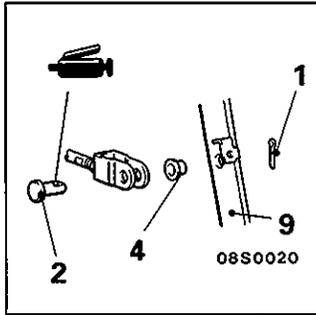
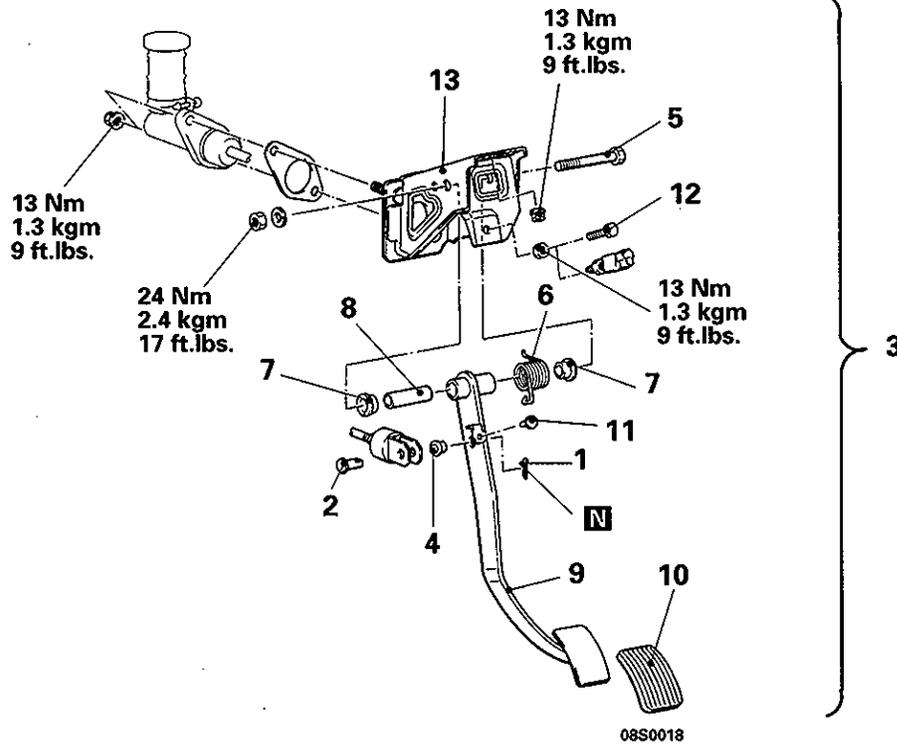


**NOTE**  
 \*1 indicates applicable for vehicles built up to June, 1992,  
 and \*2 indicates applicable from July, 1992.

R.H. drive vehicles

Post-installation Operation

- Clutch Pedal Adjustment  
(Refer to P. 21-3.)



Removal steps

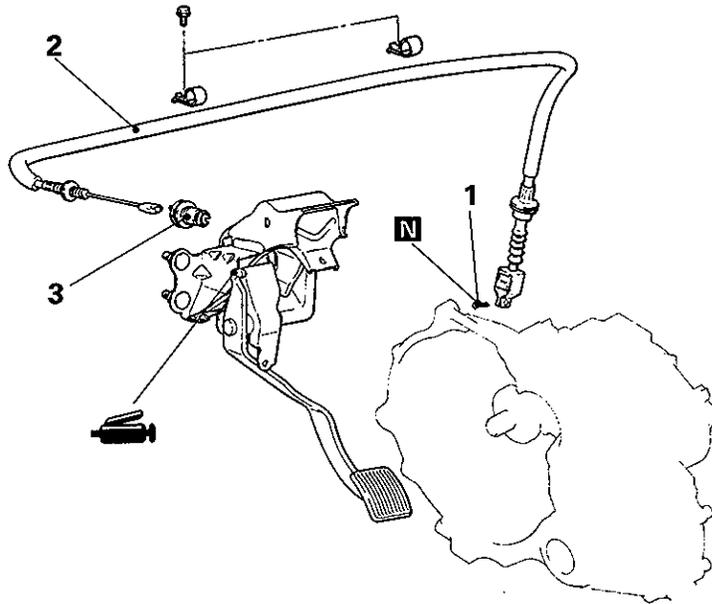
1. Split pin
2. Clevis pin
3. Pedal assembly (Parts No. 4 - 13)
4. Bushing
5. Bolt
6. Return spring
7. Bushing
8. Pipe
9. Clutch pedal
10. Pedal pad
11. Stopper
12. Stopper bolt
13. Pedal support member

**CLUTCH CONTROL (CABLE TYPE)**

E21JA-

**REMOVAL AND INSTALLATION****Post-installation Operation**

- Clutch Pedal Adjustment  
(Refer to P. 21-3.)

**Removal steps**

1. Split pin
2. Clutch cable
3. Insulator

08S0030

# CLUTCH CONTROL (HYDRAULIC TYPE)

## REMOVAL AND INSTALLATION

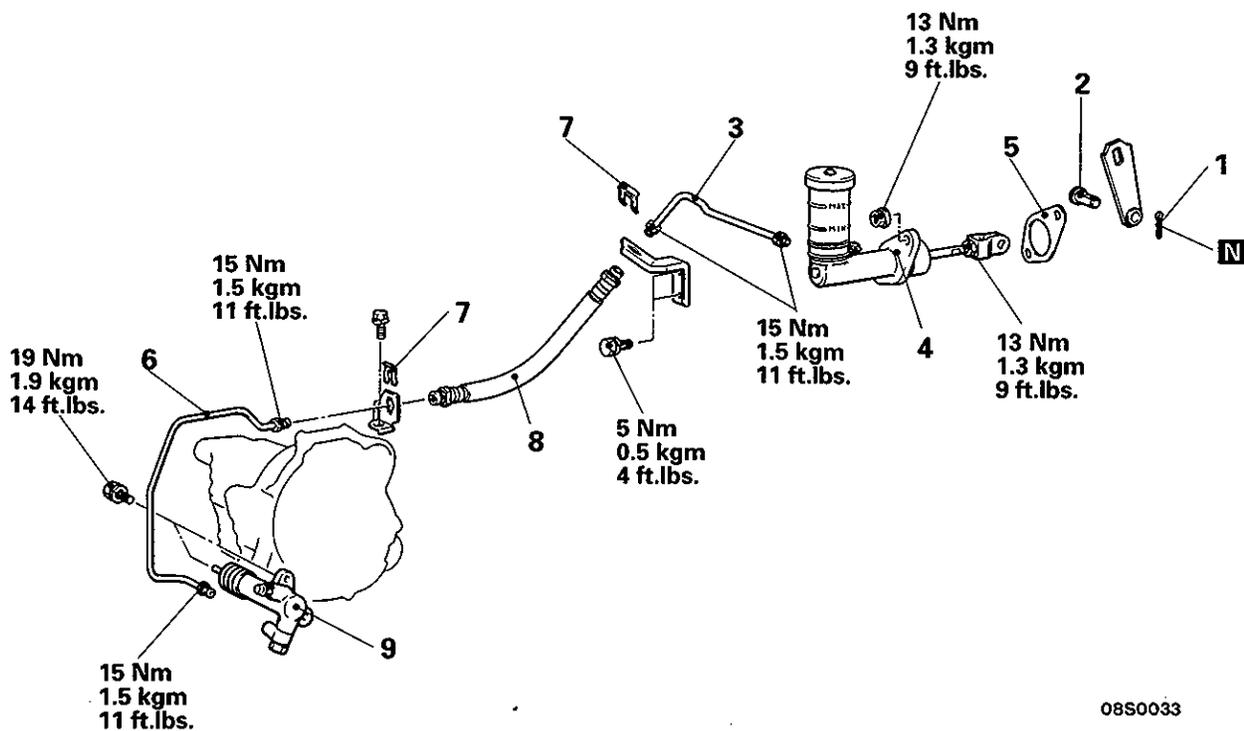
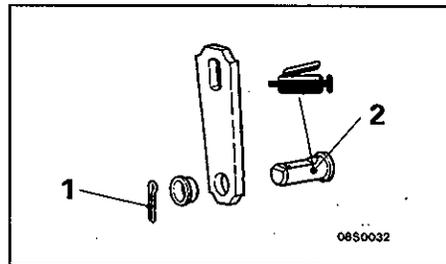
L.H. drive vehicles

### Pre-removal Operation

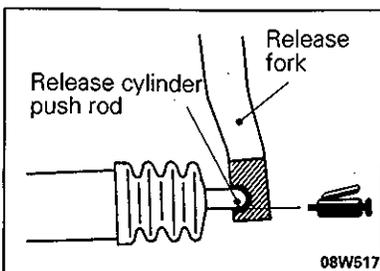
- Draining of the Clutch Fluid

### Post-installation Operation

- Supplying of Clutch Fluid
- Bleeding of the Clutch Line (Refer to P. 21-4.)
- Adjustment of the Clutch Pedal (Refer to P. 21-3.)



08S0033



08W517

**Specified grease:**  
**MITSUBISHI genuine**  
**grease Part No. 0101011**

### Clutch master cylinder removal steps

1. Split pin
2. Clevis pin
3. Clutch pipe
4. Clutch master cylinder
5. Sealer



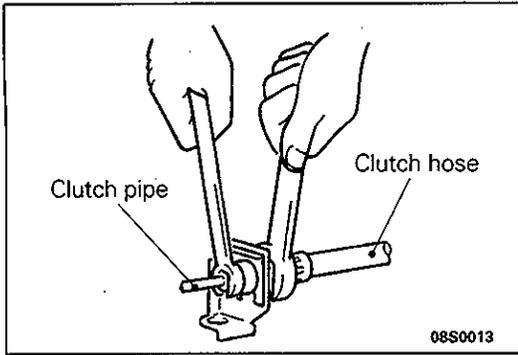
### Clutch line removal steps

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



### Clutch release cylinder removal steps

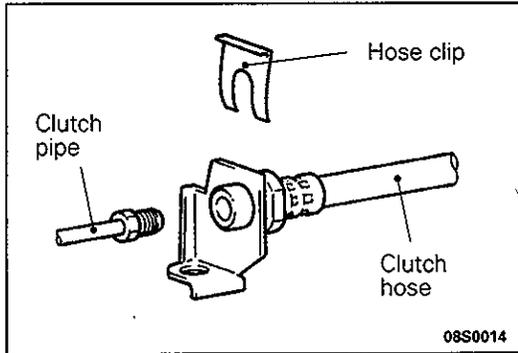
6. Clutch pipe
9. Clutch release cylinder

**SERVICE POINT OF REMOVAL**

E21FB8G

**3./6. DISCONNECTION OF CLUTCH PIPE/8. CLUTCH HOSE**

- (1) Secure the nut on the clutch hose and loosen the flare nut on the clutch pipe.

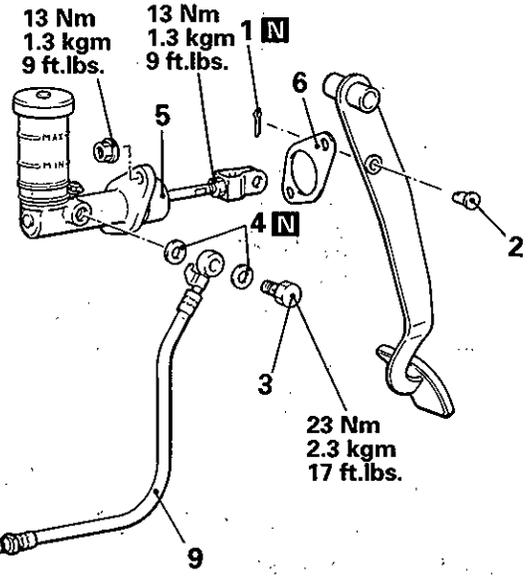
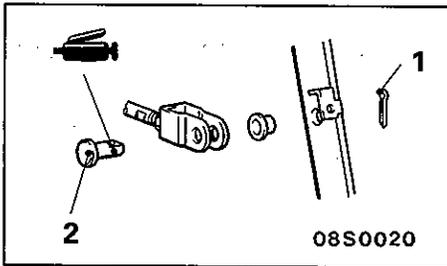


- (2) Remove the hose clip from the clutch hose to remove clutch hose from bracket.

R.H. drive vehicles

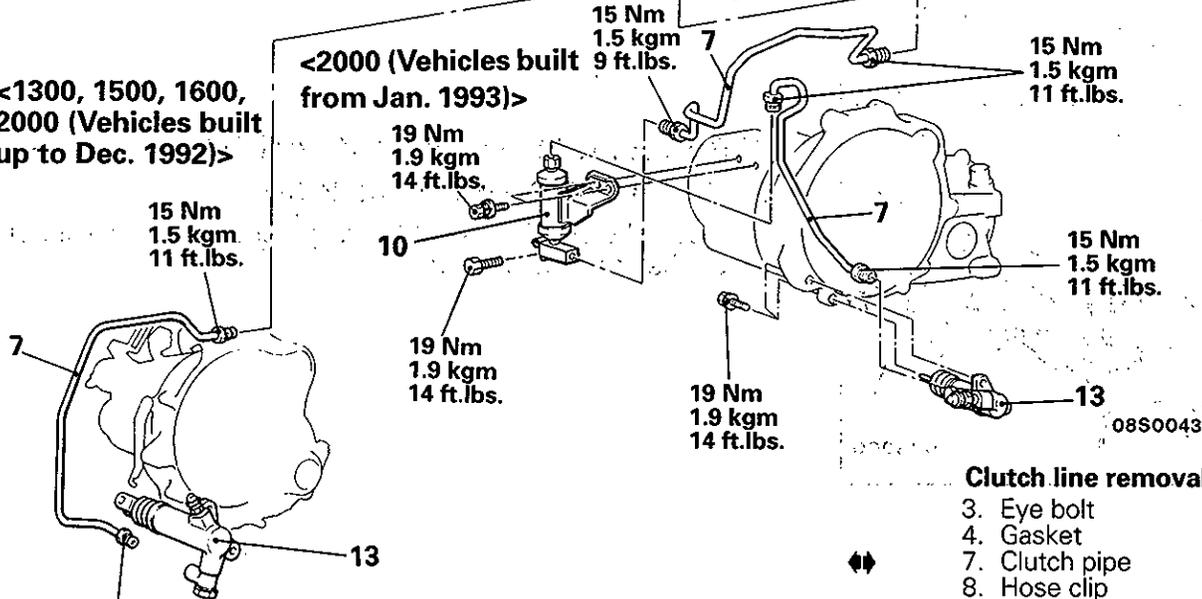
**Pre-removal Operation**  
 • Draining of the Clutch Fluid

**Post-installation Operation**  
 • Supplying of Clutch Fluid  
 • Bleeding of the Clutch Line (Refer to P. 21-4.)  
 • Adjustment of the Clutch Pedal (Refer to P. 21-3.)



<1300, 1500, 1600, 2000 (Vehicles built up to Dec. 1992)>

<2000 (Vehicles built from Jan. 1993)>



**Clutch master cylinder removal steps**

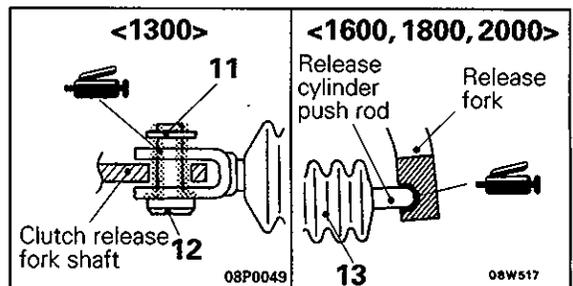
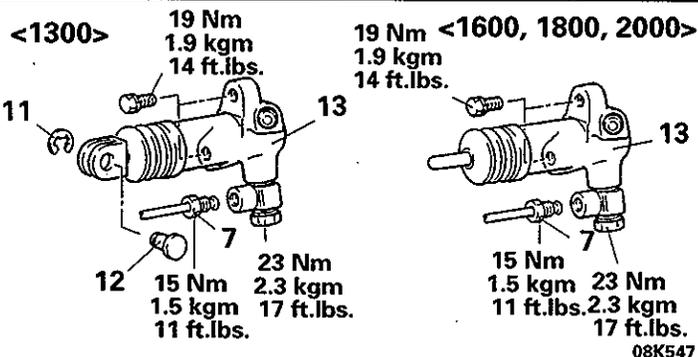
1. Split pin
2. Clevis pin
3. Eye bolt
4. Gasket
5. Clutch master cylinder
6. Sealer

**Clutch line removal steps**

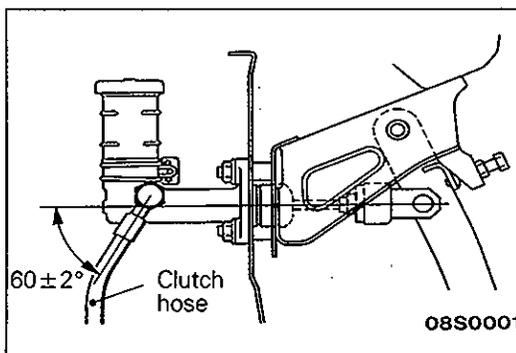
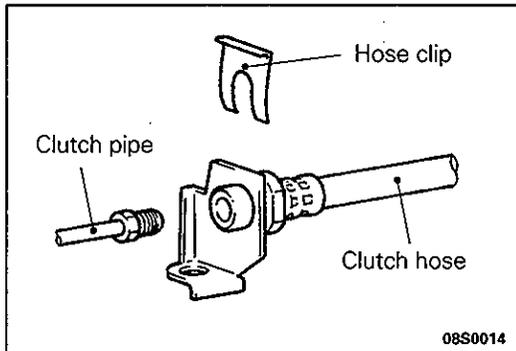
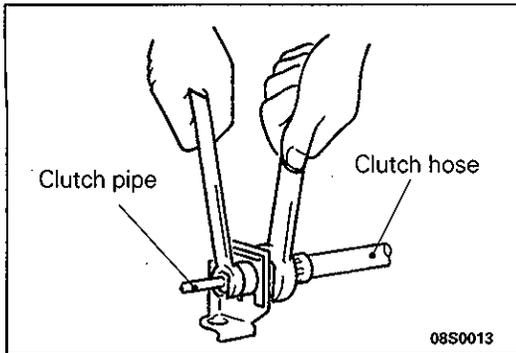
3. Eye bolt
4. Gasket
7. Clutch pipe
8. Hose clip
9. Clutch hose
10. Clutch fluid chamber

**Clutch release cylinder removal steps**

7. Clutch pipe
11. Snap ring
12. Clevis pin
13. Clutch release cylinder



**Specified grease:**  
**MITSUBISHI genuine grease Part No. 0101011**

**SERVICE POINT OF REMOVAL**

E21JBBH

**5. REMOVAL OF CLUTCH MASTER CYLINDER**

Move the brake booster vacuum hose upward and remove the master cylinder.

**7. DISCONNECTION OF CLUTCH PIPE/9. CLUTCH HOSE**

(1) Secure the nut on the clutch hose and loosen the flare nut on the clutch pipe.

(2) Remove the hose clip from the clutch hose to remove clutch hose from bracket.

**SERVICE POINT OF INSTALLATION**

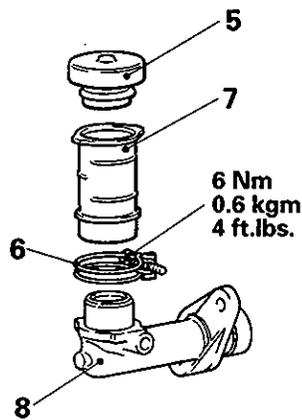
E21JDBG

**9. INSTALLATION OF CLUTCH HOSE**

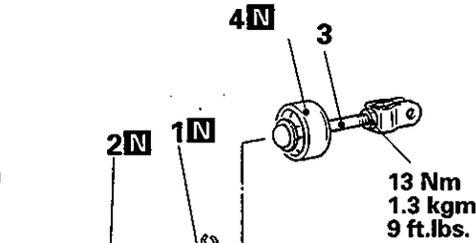
Install the clutch hose at the angle shown in the illustration so that it is not twisted.

# CLUTCH MASTER CYLINDER

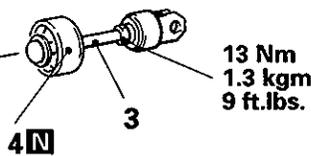
## DISASSEMBLY AND REASSEMBLY



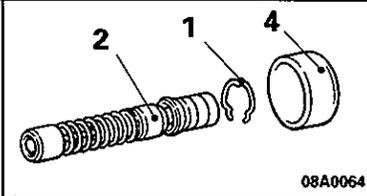
<Petrol-powered vehicles>



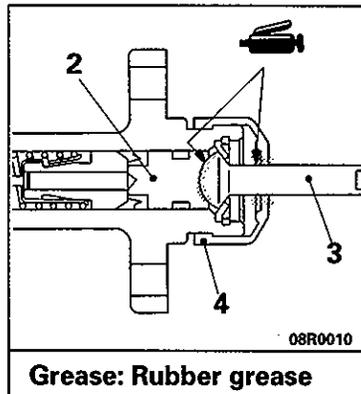
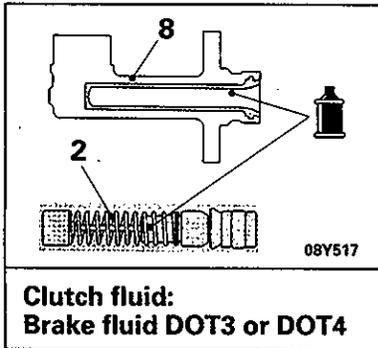
<Diesel-powered vehicles>



Piston repair kit



08S0010



### Disassembly steps

1. Piston stopper ring
2. Piston assembly
3. Push rod assembly
4. Boot
5. Reservoir cap
6. Fluid reservoir band
7. Fluid reservoir
8. Clutch master cylinder body

**Caution**  
Do not disassembly piston assembly

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**NOTES**