CLUTCH

CONTENTS

E21AA--

SPECIFICATIONS

GENERAL SPECIFICATIONS

E21CA--

Items		Specifications
Clutch operating method		Hydraulic type
Clutch master cylinder I.D.	mm (in.)	15.87 (5/8)

SERVICE SPECIFICATIONS

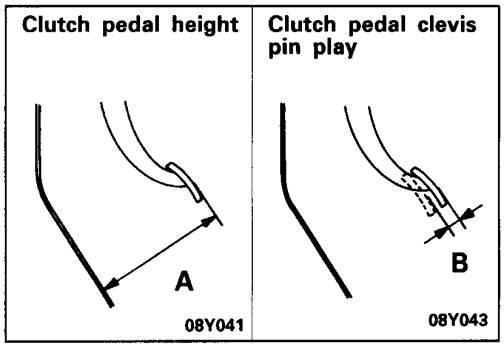
E21CB--

Items		Specifications
Standard value		
Clutch pedal height	mm (in.)	195–200 (7.68–7.87)
Clutch pedal clevis pin play	mm (in.)	1–3 (0.04–0.12)
Clutch pedal free play	mm (in.)	6–13 (0.24–0.51)
Distance between the clutch pedal and the toeboard when the clutch is disengaged	mm (in.)	45 (1.77) or more

LUBRICANTS

E21CD--

Items	Specified lubricants	Quantity
Clutch fluid	Brake fluid DOT3 or DOT4	As required
Release cylinder push rod end	MITSUBISHI genuine grease Part No. 0101011	As required
Inner surface of clutch master cylinder and outer circumference of piston assembly	Brake fluid DOT3 or DOT4	As required



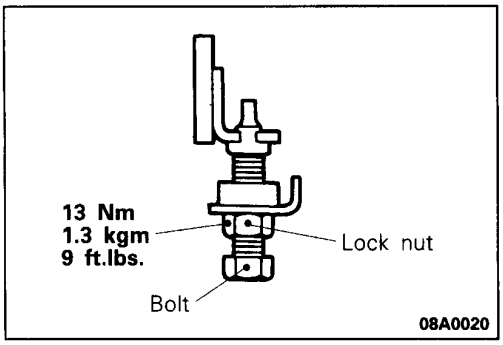
SERVICE ADJUSTMENT PROCEDURES

CLUTCH PEDAL INSPECTION AND ADJUSTMENT

E21FAAP

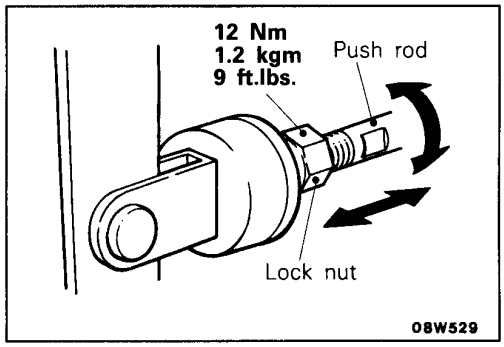
1. Measure the clutch heidal height (from the face of the pedal pad to the toeboard) and the clutch pedal clevis pin play (measured at the face of the pedal pad.)

Standard value (A): 195–200 mm (7.68–7.87 in.)
Standard value (B): 1–3 mm (0.04–0.12 in.)



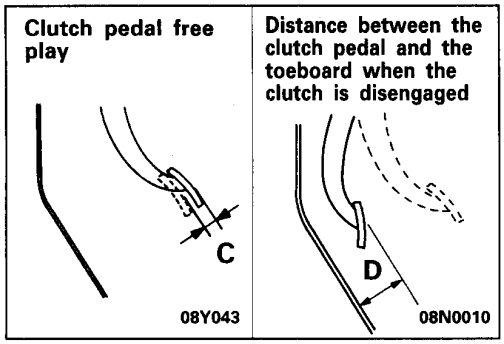
2. If either the clutch pedal height or the clutch pedal clevis pin play are not within standard value range, adjust as follows:
   (1) Turn and adjust the bolt so that the pedal height is the standard value, and then secure by tightening the lock nut.

   NOTE
   When the pedal height is lower than the standard value, loosen the bolt, and then turn the push rod to make the adjustment. After making the adjustment, tighten the bolt to reach the pedal stopper, and then lock with the lock nut.



   (2) Turn the push rod to adjust the clutch pedal clevis pin play to agree with the standard value and then secure the push rod with the lock nut.

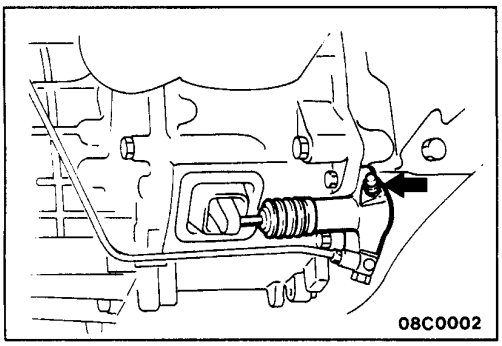
   Caution
   When adjusting the clutch pedal clevis pin play, be careful not to push the push rod toward the master cylinder.



3. 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 (0.24–0.51 in.)
Standard value (D): 45 mm (1.77 in.) or more

4. 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.

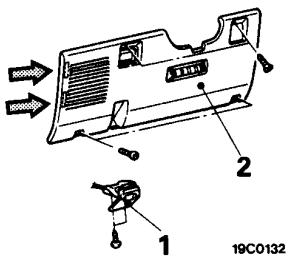
CLUTCH PEDAL

E21PA--

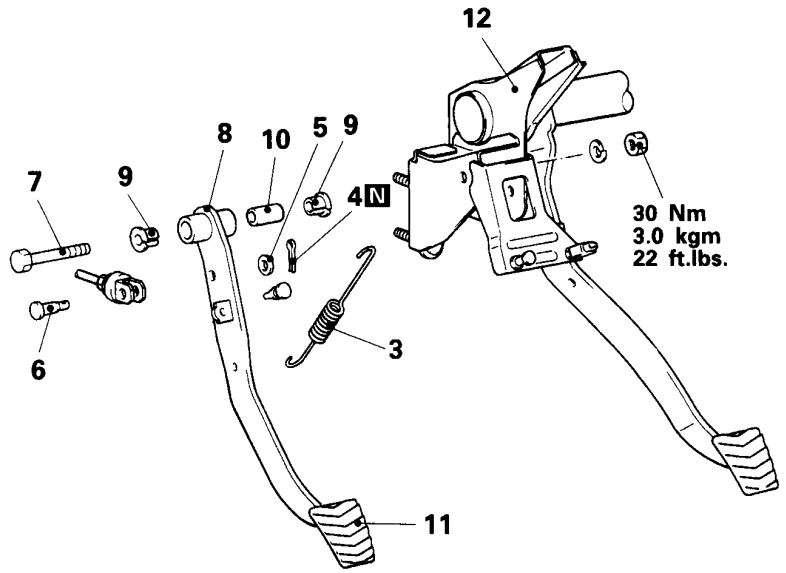
REMOVAL AND INSTALLATION

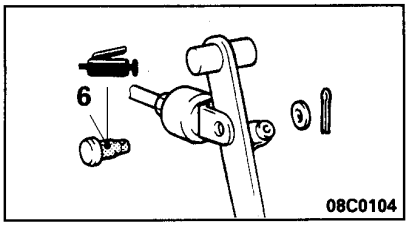
L.H. drive vehicles

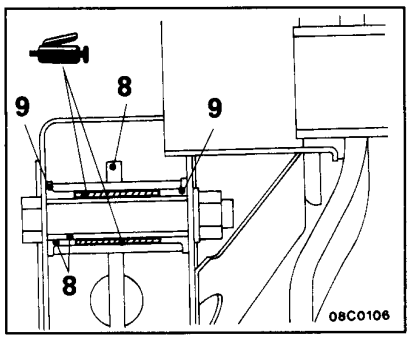
Post-installation Operation
- Adjustment of the Clutch Pedal (Refer to P.21-3.)



Removal steps
1. Hood release lever
2. Instrument under cover
3. Return spring
4. Split pin
5. Washer
6. Clevis pin
7. Bolt
8. Clutch pedal
9. Bushing
10. Collar
11. Pedal pad
12. Pedal bracket assembly (Refer to GROUP 35 – Brake Pedal.)



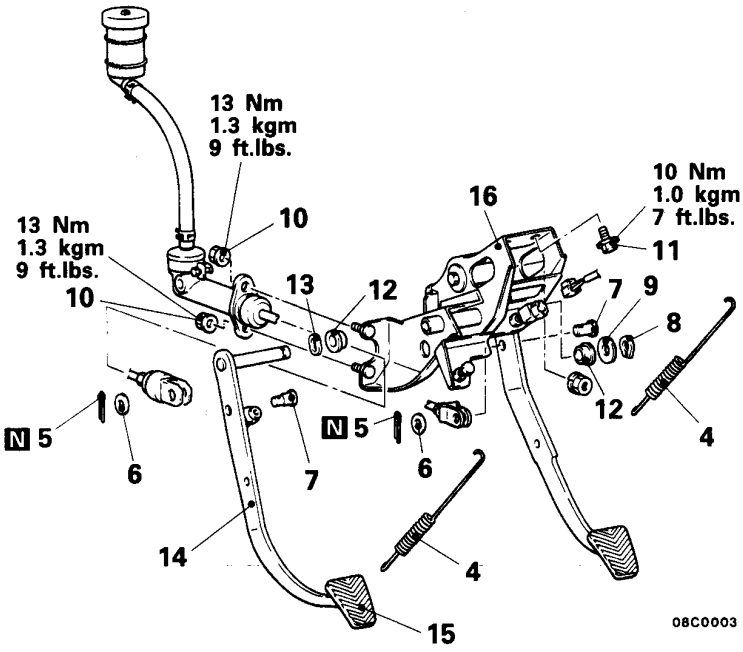


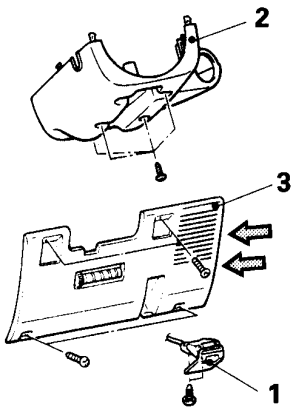


NOTE
⇦ indicates the metal clip positions.

R.H. drive vehicles

Post-installation Operation
- Adjustment of the Clutch Pedal (Refer to P.21-3.)

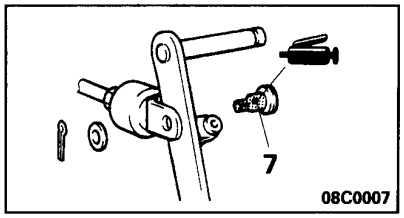


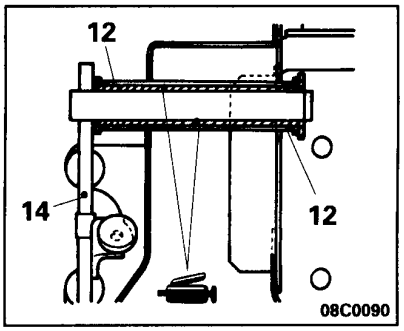


Removal steps

1. Hood release lever
2. Lower column cover
3. Instrument under cover
4. Return spring
5. Split pin
6. Washer
7. Clevis pin
8. Snap ring
9. Washer
10. Nut
11. Bolt
12. Bushing
13. Wave washer
14. Clutch pedal
15. Pedal pad
16. Pedal support member (Refer to GROUP 35 – Brake Pedal.)

NOTE
⇦ indicates the metal clip positions.





INSPECTION

E21PCAI

- Check the pedal shaft and bushing for wear.
- Check the clutch pedal for bend or torsion.
- Check the return spring for damage or deterioration.
- Check the pedal pad for damage or wear.

CLUTCH CONTROL

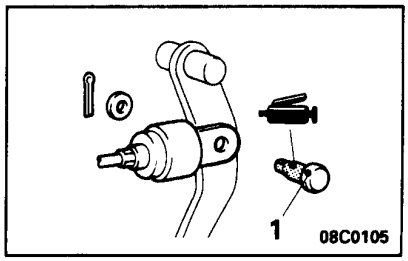
REMOVAL AND INSTALLATION

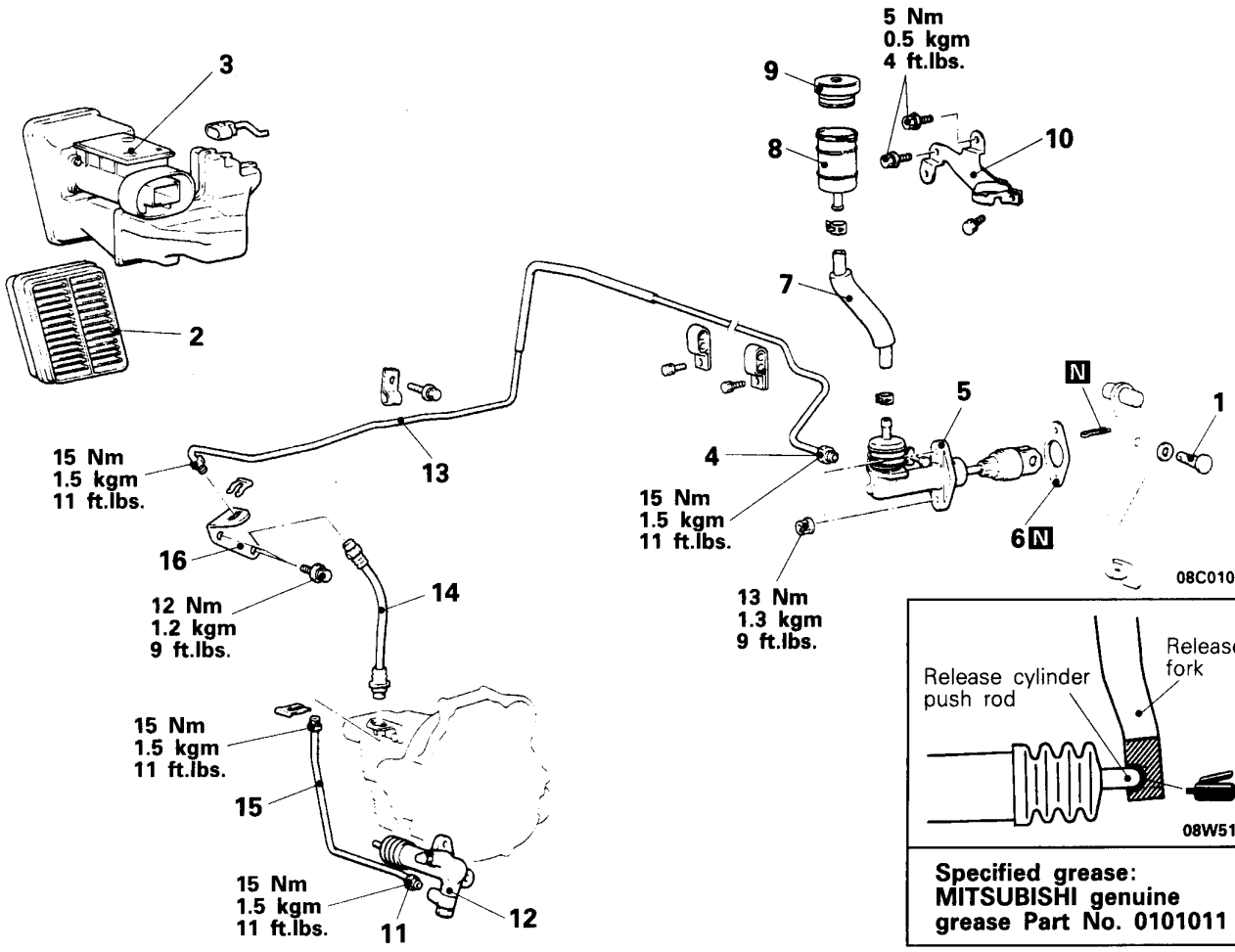
E21JA--

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.)





Specified grease:
MITSUBISHI genuine grease Part No. 0101011

Clutch master cylinder removal steps
- Adjustment of clutch pedal (Refer to P.21-3.)

1. Clevis pin
2. Air cleaner element
3. Air cleaner cover
4. Clutch pipe connection
5. Clutch master cylinder
6. Sealer
7. Reservoir hose
8. Reservoir tank
9. Reservoir cap
10. Reservoir bracket

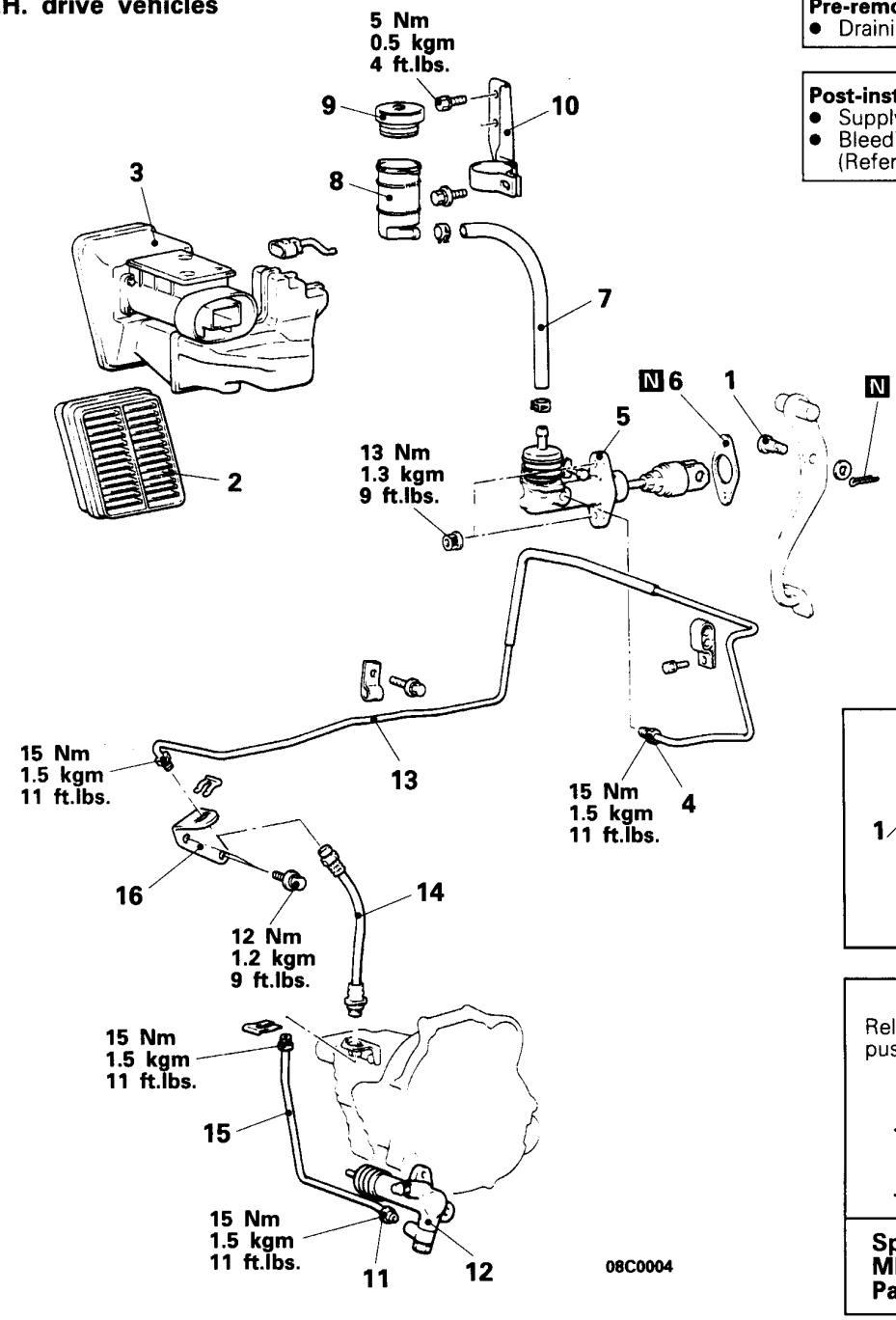
Clutch release cylinder removal steps

11. Clutch pipe connection
12. Clutch release cylinder

Clutch line removal steps

13. Clutch pipe
14. Clutch hose
15. Clutch pipe
16. Clutch hose bracket

R.H. drive vehicles



Pre-removal Operation
- Draining of the Clutch Fluid

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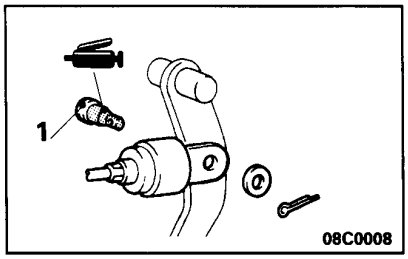
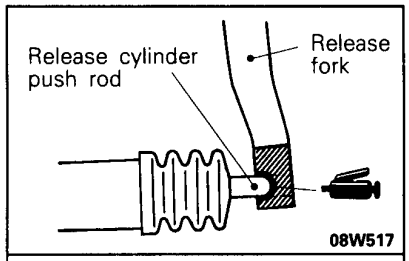
- Bleeding of the Clutch Line (Refer to P.21-4.)





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Clutch master cylinder removal steps
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6. Sealer
7. Reservoir hose
8. Reservoir tank
9. Reservoir cap
10. Reservoir bracket

Clutch release cylinder removal steps

11. Clutch pipe connection
12. Clutch release cylinder

Clutch line removal steps

13. Clutch pipe
14. Clutch hose
15. Clutch pipe
16. Clutch hose bracket

INSPECTION

E21JCBD

- Check the clutch hose or pipe for cracks or clogging.
- Check the reservoir tank for craks or deformation.

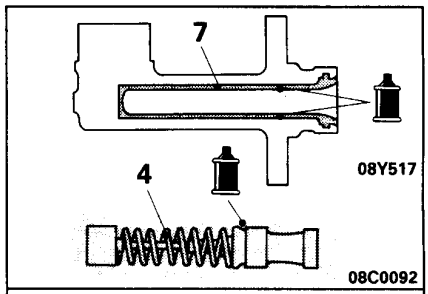
CLUTCH MASTER CYLINDER

E21SE--

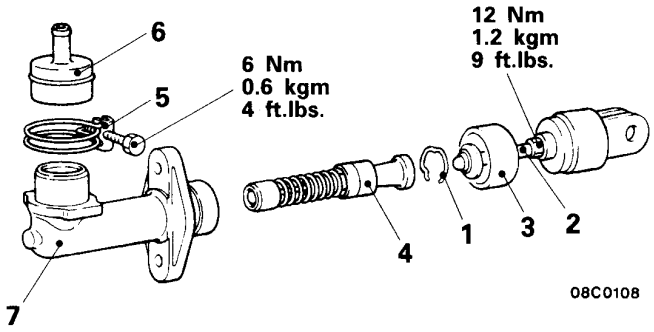
DISASSEMBLY AND REASSEMBLY

Disassembly steps

1. Piston stopper ring
2. Damper push rod assembly
3. Boot
4. Piston assembly
5. Fluid reservoir band
6. Nipple
7. Clutch master cylinder



Clutch fluid:
Brake fluid DOT3 or DOT4



Caution

1. **Do not damage the master cylinder body and piston assembly.**
2. **Do not disassembly piston assembly.**

INSPECTION

E21SGAC

- Check the inside cylinder body for rust or scars.
- Check the piston cup for wear or deformation.
- Check the piston for rust or scars.
- Check the clutch pipe connection part for clogging.