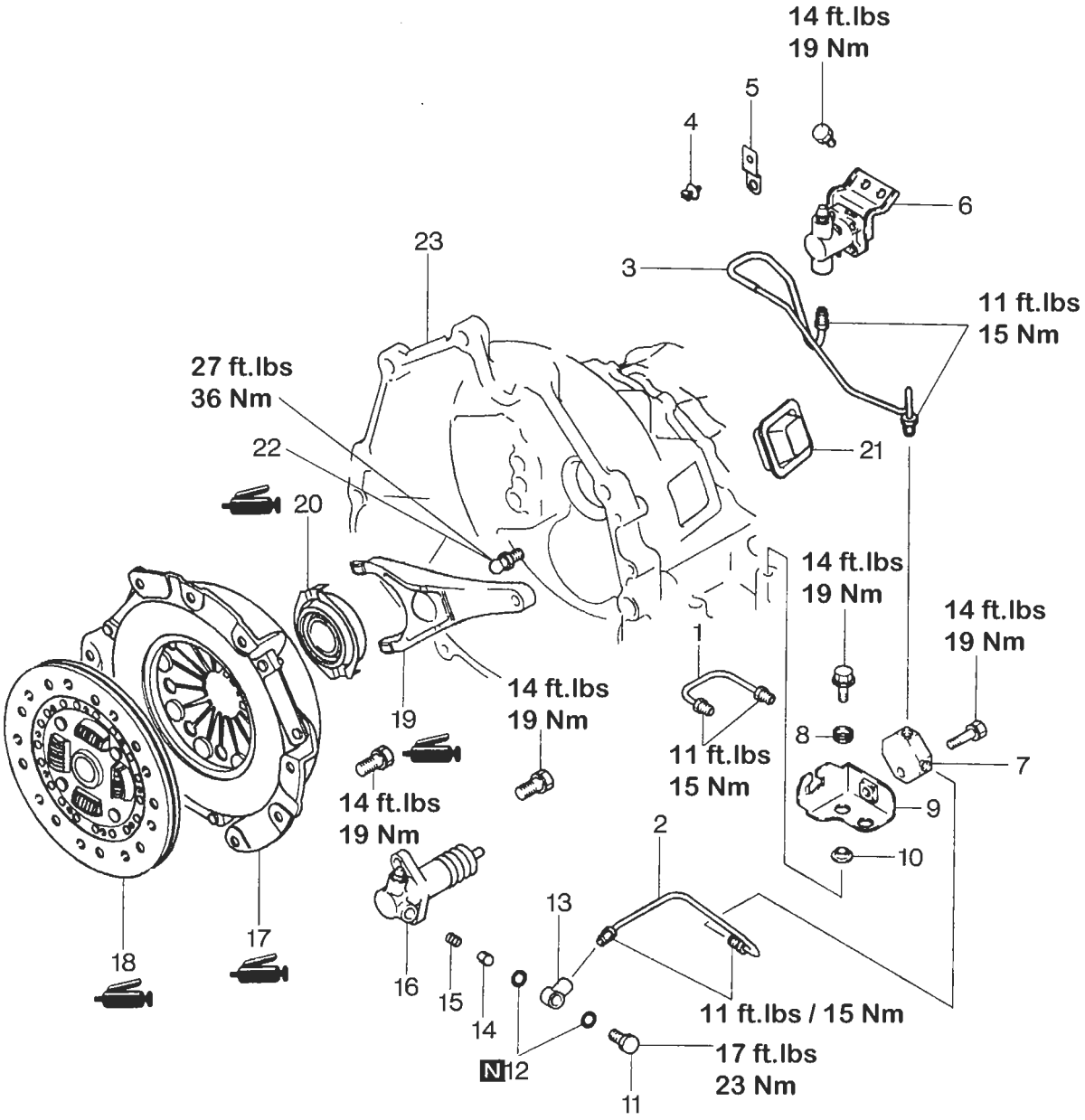
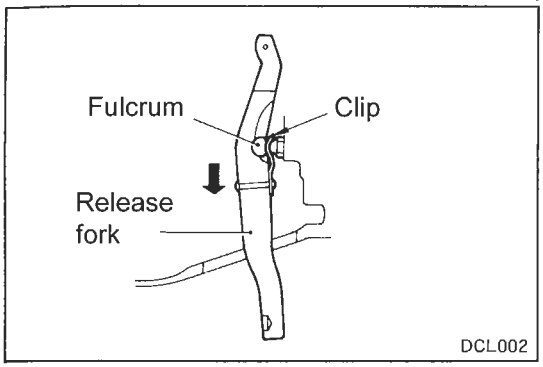
Removal / Installation



Removal Procedure

1. Clutch cylinder release tube
2. Clutch cylinder release tube
3. Clutch cylinder release tube
4. Clip
5. Bracket
6. Clutch damper
7. 3-way junction block
8. Insulator
9. Bracket
10. Insulator
11. Banjo bolt
12. Crush washer
13. Union
14. Release cylinder valve
15. Release cylinder spring
- ◆D◆ 16. Clutch release cylinder
- ◆C◆ 17. Clutch cover
- ◆C◆ 18. Clutch disk
- ◇A◇◆B◆ 19. Clutch release fork
- ◆A◆ 20. Throw-out bearing
21. Boot
22. Release fork fulcrum
23. Clutch housing



Removal service points

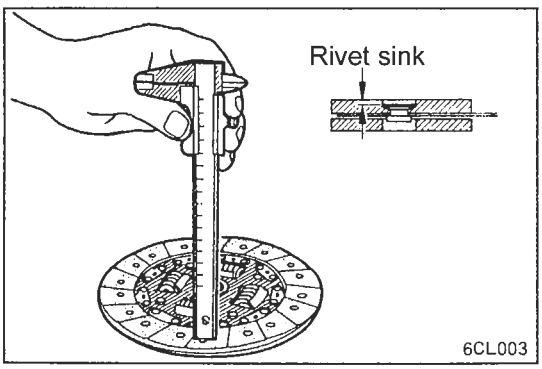
⇦A⇨ Release fork removal

(1)Slide release fork in direction of arrow and disengage fulcrum from clip to remove release fork. Be careful not to cause damage to clip by pushing release fork in the direction other than that of arrow and removing it with force.

Inspection

Clutch cover assembly

(1)Check the diaphragm spring end for wear and uneven height. Replace if wear is evident or height difference exceeds the limit.
Limit: 0.5 mm (.020 in.)
(2)Check the pressure plate surface for wear, cracks and seizure.
(3)Check the strap plate rivets for looseness and replace the clutch cover assembly if loose.



Clutch disk

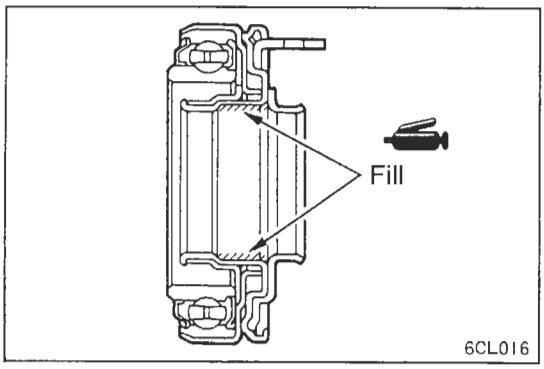
(1)Check the facing for loose rivets, uneven contact, deterioration due to seizure, adhesion of oil or grease, and replace the clutch disc if defective.
(2)Measure the rivet sink and replace the clutch disc if it is out of specification.
Limit: 0.3 mm (.012 in.)
(3)Check for torsion spring play and damage and if defective, replace the clutch disc.
(4)Combine the clutch disc with the input shaft and check sliding condition and play in the rotating direction. If it does not slide smoothly or the play is excessive, check after cleaning and reassembling. If the play is excessive, replace the clutch disc and/or the input shaft.

Clutch release bearing

Caution
Release bearing is packed with grease. Therefore do not wash it in cleaning solvent or the like.
(1)Check bearing for seizure, damage, noise, or improper rotation. Check also diaphragm spring contact surface for wear.
(2)Replace bearing if its release fork contact surface is abnormally worn.

Release fork

(1)Replace release fork if its bearing contact surface is abnormally worn.

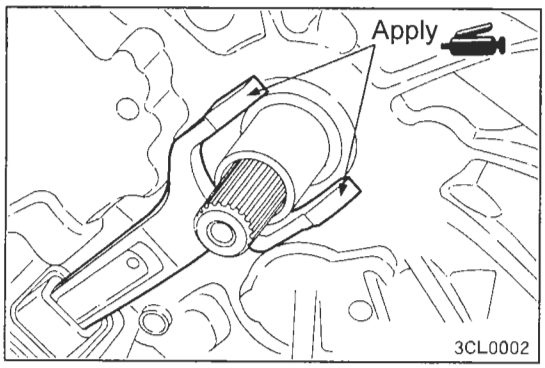


Installation service points

◆A◆ Installation of clutch release bearing

(1) Fill the lip section with grease as illustrated

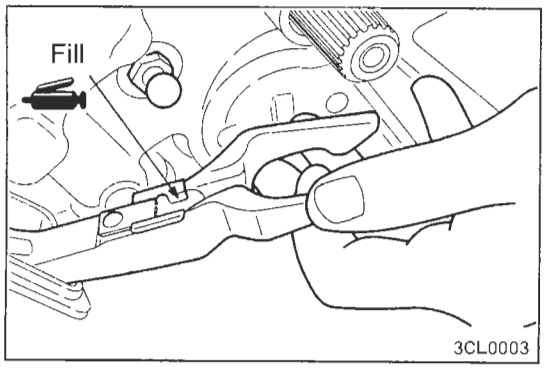
Specified grease:
Molykote TA #2

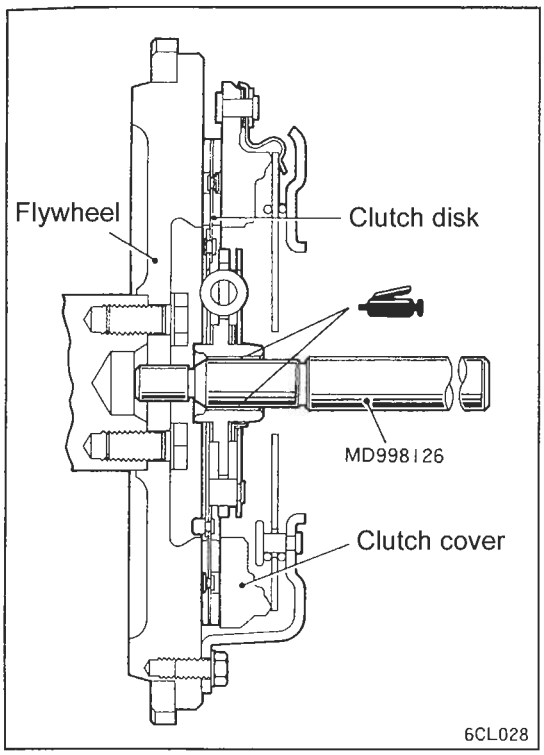


◆B◆ Lubrication of release fork

(1) Apply grease to release fork as illustrated

Specified grease:
Molykote TA #2



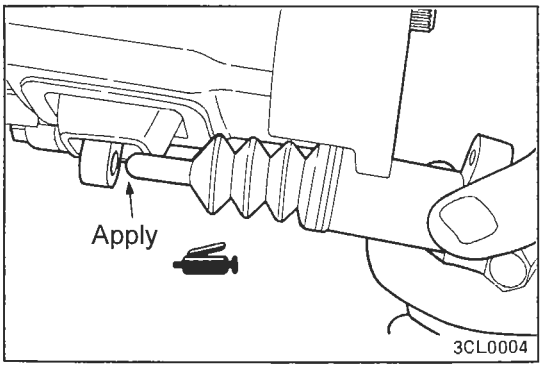


➧C➧ Installation of clutch disk cover

(1) Apply specified grease to clutch disc splines and squeeze it in place with a brush.

Specified grease:
Molykote TA #1 or #2

(2) Use the clutch disc guide to position clutch disc on flywheel.
(3) When installing the clutch cover, tighten the bolts in a diagonal pattern.
(4) Remove clutch guide tool

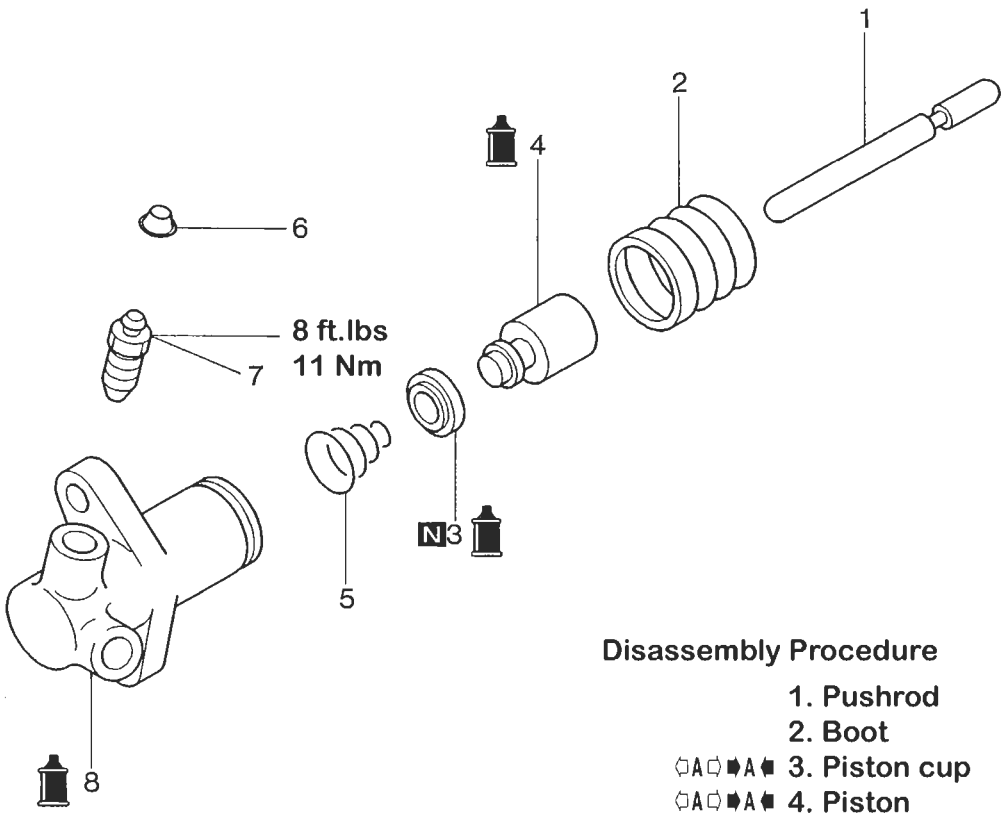


➧D➧ Installation of clutch release cylinder

(1) Apply grease to tip of release cylinder pushrod as illustrated.

Specified grease:
Molykote TA #2

Disassembly/ Reassembly



Disassembly Procedure

1. Pushrod
2. Boot
3. Piston cup ◇A◇ ◆A◆
4. Piston ◇A◇ ◆A◆
5. Conical spring
6. Cap
7. Bleeder screw
8. Release cylinder

Coat all internal parts in brake fluid before reassembly

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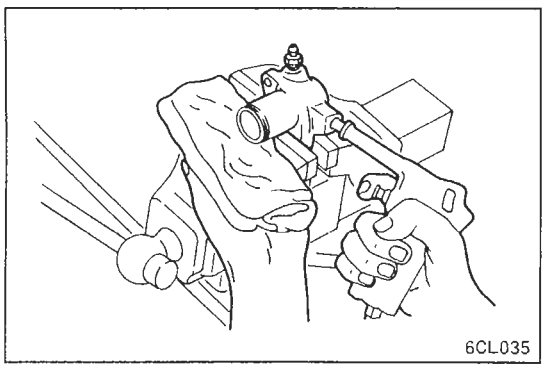


Disassembly service points

◇A◇ Removal of piston cup / piston

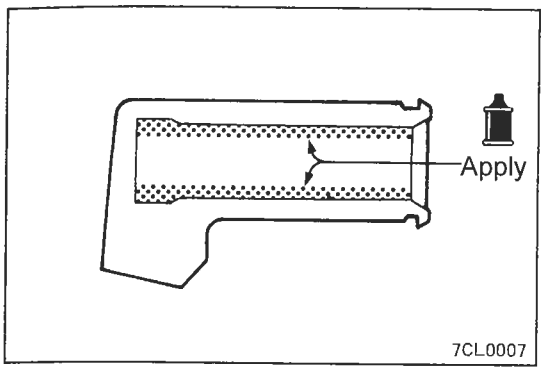
(1) Remove the corrosion from the piston-removal port of the release cylinder.
(2) Remove the piston from the release cylinder using compressed air.

Caution
1. Cover with rags to prevent the piston from popping out.
2. Apply compressed air slowly to prevent brake fluid from splashing.

Inspection

(1) Remove any rust or corrosion from the inside of the release cylinder
(2) Measure the inside diameter of the cylinder at 3 places (bottom, middle and top) If the diameter of the cylinder exceeds the outside diameter of the piston by more than the limit value, replace the release cylinder assembly.

Limit value:
0.15 mm

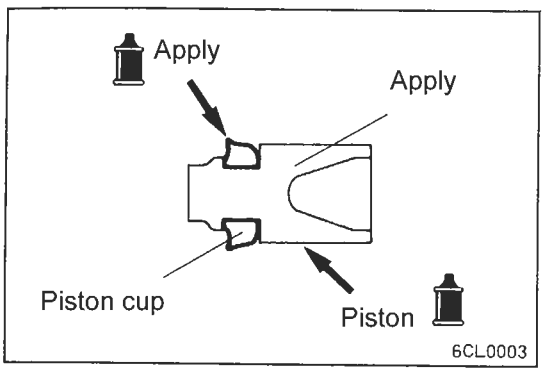


Assembly service points

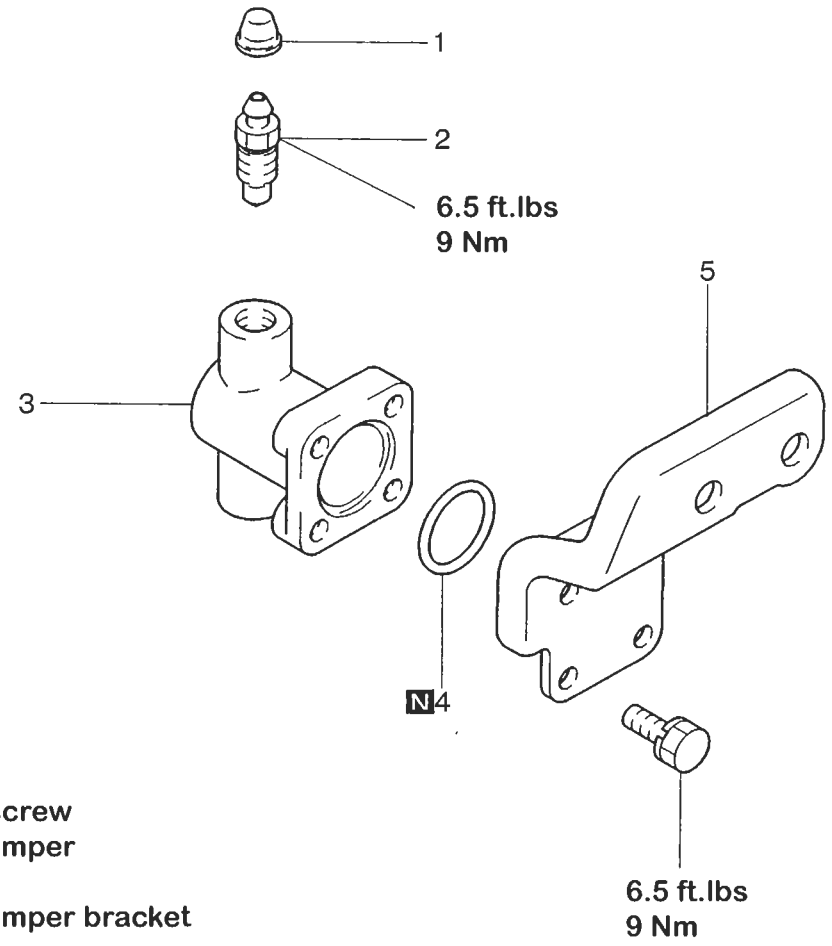
➧A➧ Installation of piston / piston cup

(1)Apply specified brake fluid to the release cylinder inside and outer surface of the piston and piston cup and push the piston cup assembly in the cylinder.

Specified brake fluid:
SAE J1703 (DOT3)



Disassembly/ Reassembly



Disassembly Procedure

1. Cap
2. Bleeder screw
3. Clutch damper
- ◆A◆ 4. O-Ring
5. Clutch damper bracket

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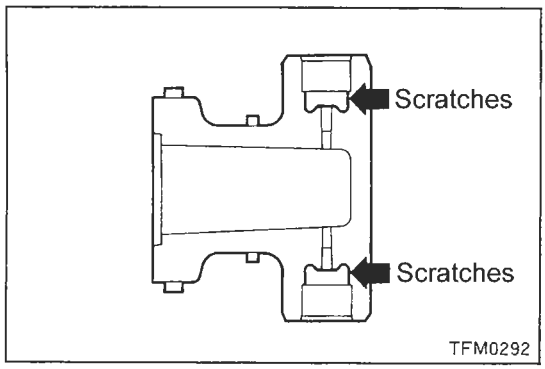
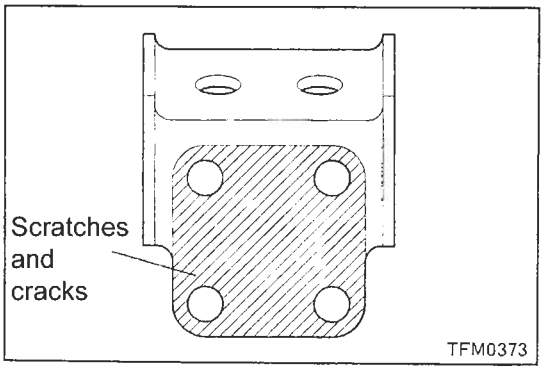




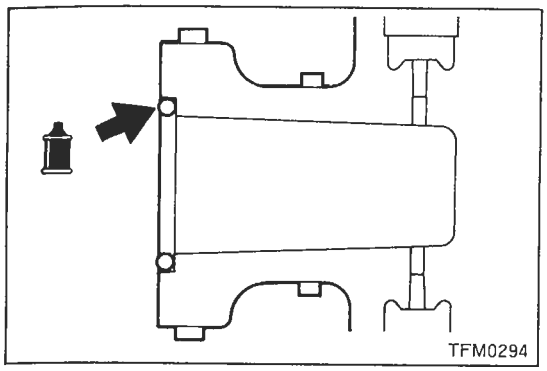
Inspection

Clutch damper

(1) Check that there are no scratches on the parts indicated in the illustration.
(2) Clean completely the inside of the clutch damper and confirm that there is no foreign material left.

Clutch damper bracket

(1) Check that there are no scratches of cracks on the part indicated in the drawing.



Assembly service point
◆A◆ Installation of O-ring

(1) Apply the specified brake fluid onto the O-ring, and securely install it onto the position of the clutch damper indicated in the illustration.

Specified brake fluid:
SAE J1703 (DOT3)