

CLUTCH – CLUTCH SYSTEM**CL-1****CLUTCH SYSTEM****PROBLEM SYMPTOMS TABLE**

Use the table below to help determine the cause of the problem. The numbers indicate the priority of the likely causes of the problem. Check each part in order. If necessary, replace these parts.

CL**CLUTCH SYSTEM**

Symptom	Suspected area	See page
Clutch grabs/chatters	1. Engine mounting (Loosen)	EM-53
	2. Clutch disc (Runout is excessive)	CL-18
	3. Clutch disc (Oily)	CL-18
	4. Clutch disc (Worn out)	CL-18
	5. Clutch disc torsion rubber (Damaged)	CL-18
	6. Clutch disc (Glazed)	CL-18
	7. Diaphragm spring (Out of tip alignment)	CL-18
Clutch pedal is spongy	1. Clutch Line (Air in line)	CL-11
	2. Master cylinder cup (Damaged)	CL-9
	3. Release cylinder rubber (Damaged)	CL-13
Clutch is noisy	1. Release bearing (Worn, dirty, or damaged)	CL-19
Clutch slips	1. Clutch pedal (Free play is out of adjustment)	CL-4
	2. Clutch disc (Oily)	CL-18
	3. Clutch disc (Worn out)	CL-18
	4. Diaphragm spring (Damaged)	CL-19
	5. Pressure plate (Distortion)	CL-18
	6. Flywheel (Distortion)	CL-19
Clutch does not disengage	1. Clutch pedal (Free play is out of adjustment)	CL-4
	2. Clutch line (Air in line)	CL-11
	3. Master cylinder cup (Damaged)	CL-9
	4. Release cylinder cup (Damaged)	CL-13
	5. Clutch disc (Out of true)	CL-18
	6. Clutch disc (Runout is excessive)	CL-18
	7. Clutch disc (Lining broken)	CL-18
	8. Clutch disc (Dirty or burned)	CL-18
	9. Clutch disc (Oily)	CL-18
	10. Clutch disc (Lack of spline grease)	CL-18

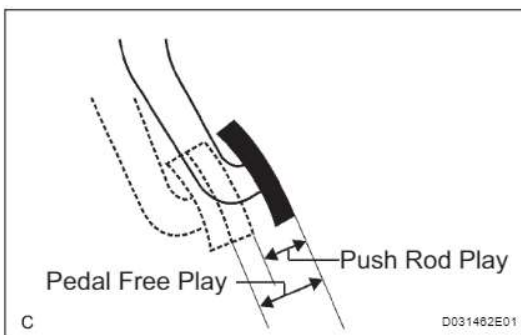
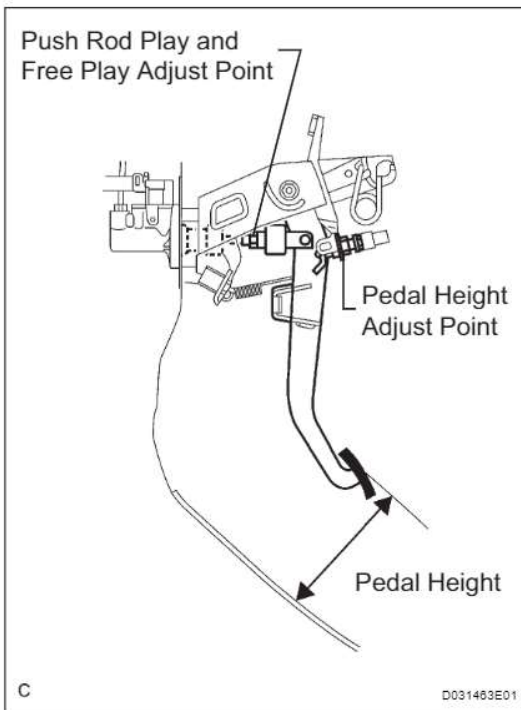
CLUTCH – CLUTCH PEDAL

CL-5

ADJUSTMENT

1. INSPECT AND ADJUST CLUTCH PEDAL HEIGHT

- (a) Turn back the floor carpet to expose the asphalt sheet under the pedal.
- (b) Check that the pedal height is correct.
Pedal height from asphalt sheet:
159.0 to 169.0 mm (6.260 to 6.654 in.)
- (c) Adjust pedal height.
 - (1) Loosen the lock nut and turn the stopper bolt until the correct height is obtained.
 - (2) Tighten the lock nut.
Torque: 26 N*m (260 kgf*cm, 10 ft.*lbf)



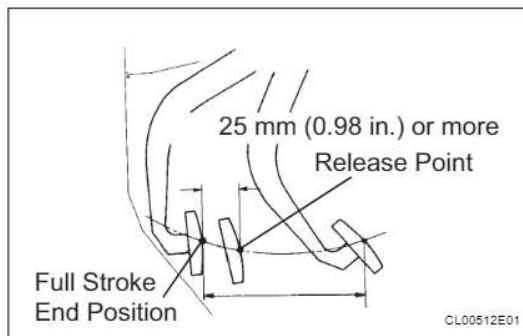
2. INSPECT AND ADJUST PEDAL FREE PLAY AND PUSH ROD PLAY

- (a) Check that pedal free play and push rod play are correct.
 - (1) Depress the pedal until clutch resistance begins to be felt.
Pedal free play:
5.0 to 15.0 mm (0.197 to 0.591 in.)
 - (2) Gently depress the pedal the resistance begins to increase a little.
Push rod play at pedal top:
1.0 to 5.0 mm (0.039 to 0.197 in.)
- (b) Adjust the pedal free play and push rod play.
 - (1) Remove the instrument panel finish panel sub-assembly lower and instrument panel insert sub-assembly lower LH.
 - (2) Loosen the lock nut and turn the push rod until correct free play and push rod play are obtained.
 - (3) Tighten the lock nut.
Torque: 12 N*m (120 kgf*cm, 9 ft.*lbf)
 - (4) After adjusting the pedal free play, check the pedal height.
 - (5) Install the instrument panel insert sub-assembly lower LH and instrument panel finish panel sub-assembly lower.

CL-6

CLUTCH – CLUTCH PEDAL

CL



3. INSPECT CLUTCH RELEASE POINT

- (a) Check the clutch release point.
 - (1) Pull the parking brake lever and install a wheel stopper.
 - (2) Start the engine and run of idle.
 - (3) Without depressing the clutch pedal, slowly move the shift lever into reverse until the gears contact.
 - (4) Gradually depress the clutch pedal and measure the stroke distance from the point that the gear noise stops (release point) up to the full stroke end position.

Standard distance:**25 mm (0.98 in.) or more****(From pedal stroke end position to release point)**

If the distance is not as specified, perform the following operations.

- Check pedal height.
- Check push rod play and pedal free play.
- Bleed the clutch line.
- Check the clutch cover assembly and disc assembly.

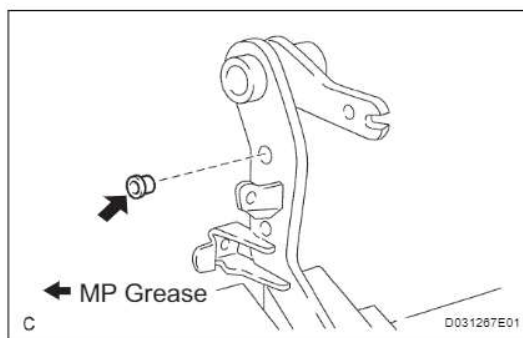
INSTALLATION

1. INSTALL CLUTCH MASTER CYLINDER PUSH ROD CLEVIS BUSH

- (a) Apply MP grease to the inside of a new bush.
- (b) Install the clevis bush to the clutch pedal sub-assembly.

HINT:

Install the clevis bush from the left side of the vehicle.



2. INSTALL CLUTCH PEDAL NO.1 CUSHION

- (a) Install the clutch pedal No.1 cushion to the clutch pedal sub-assembly.
- (b) Install the clutch pedal No.1 cushion to the clutch pedal support sub-assembly.

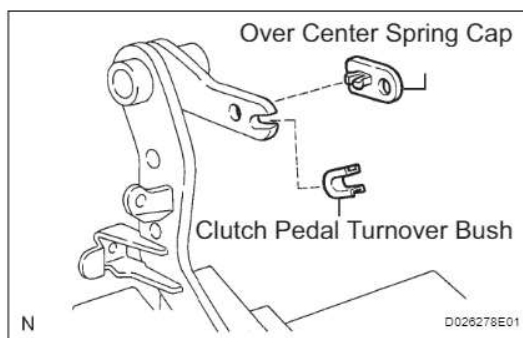
3. INSTALL CLUTCH PEDAL PAD

4. INSTALL OVER CENTER SPRING CAP

- (a) Install the over center spring cap.

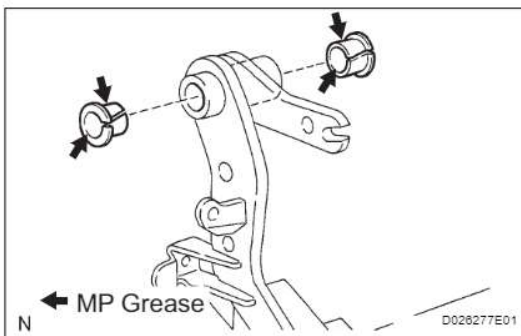
5. INSTALL CLUTCH PEDAL TURNOVER BUSH

- (a) Install a new bush to the clutch pedal sub-assembly.

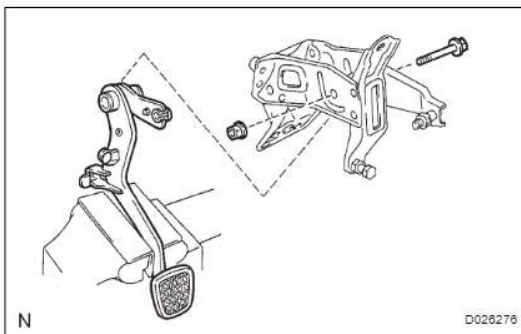


CLUTCH – CLUTCH PEDAL

CL-7

**6. INSTALL CLUTCH PEDAL BUSH**

- Apply MP grease to both sides of 2 new bushes.
- Install the 2 bushes to the clutch pedal sub-assembly.

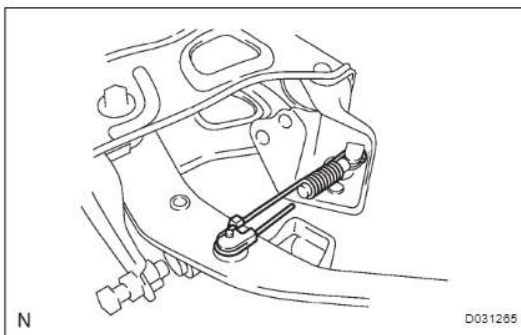
**7. INSTALL CLUTCH PEDAL SUB-ASSEMBLY**

- Install the clutch pedal sub-assembly to the clutch pedal support with the bolt and nut.

Torque: 37 N*m (375 kgf*cm, 27 ft.*lbf)

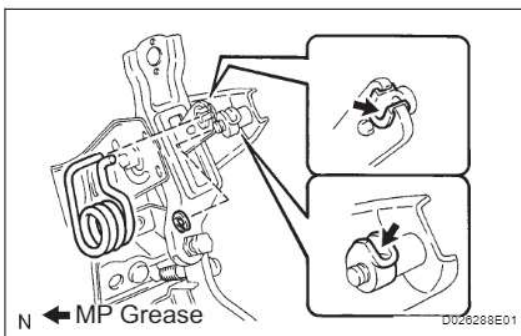
HINT:

Install the bolt from the right side of the vehicle.



- Install the clutch pedal spring and pedal spring hook.

- Using needle nose pliers, install a new E-ring.

**8. INSTALL TURN OVER SPRING SEAT COMPRESSION SPRING**

- Apply MP grease to the contact surface of the bush and spring.
- Install the compression spring and clutch pedal spring holder.
- Using needle nose pliers, install a new E-ring.

9. INSTALL CLUTCH START SWITCH ASSEMBLY

- Install the clutch start switch assembly to the clutch pedal support with the nut.

Torque: 16 N*m (160 kgf*cm, 12 ft.*lbf)

10. INSTALL CLUTCH SWITCH ASSEMBLY

- Install the clutch switch assembly to the clutch pedal support with the nut.

Torque: 26 N*m (260 kgf*cm, 14 ft.*lbf)

11. INSTALL CLUTCH PEDAL

- Install the clutch pedal assembly with the bolt and 2 nuts.

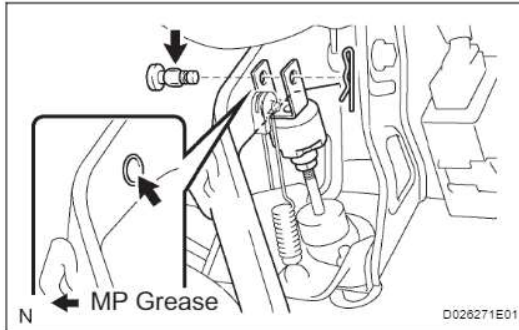
Torque: Bolt

19 N*m (195 kgf*cm, 14 ft.*lbf)

CL-8

CLUTCH – CLUTCH PEDAL

CL

**Nut****12 N*m (120 kgf*cm, 9 ft.*lbf)**

- (b) Connect the clutch switch connector.
- (c) Connect the clutch start switch connector.

12. INSTALL CLUTCH MASTER CYLINDER PUSH ROD CLEVIS W/HOLE PIN

- (a) Apply MP grease to the contact surface of the hole pin and bush.
- (b) Connect the clevis to the clutch pedal assembly with the hole pin.

HINT:

Install the hole pin from the left side of the vehicle.

- (c) Install the clip to the hole pin.

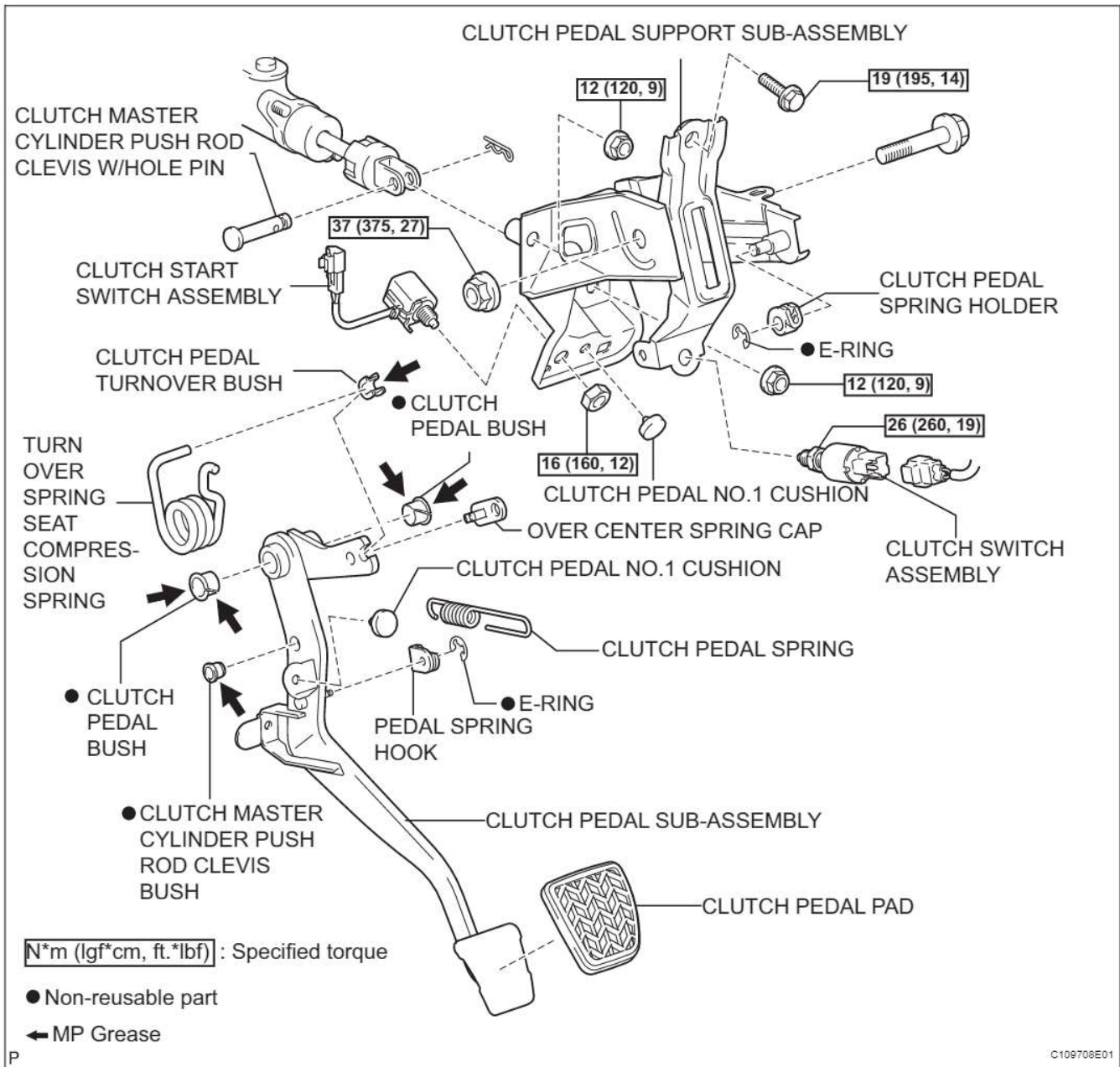
13. INSTALL INSTRUMENT PANEL REINFORCEMENT ASSEMBLY**HINT:**See page [IP-14](#)**14. INSPECT AND ADJUST CLUTCH PEDAL SUB-ASSEMBLY****HINT:**See page [CL-4](#)**15. INSPECT CLUTCH START SWITCH ASSEMBLY****HINT:**See page [CL-21](#)

CL-2

CLUTCH – CLUTCH PEDAL

CLUTCH PEDAL COMPONENTS

CL



CLUTCH – CLUTCH PEDAL

CL-3

REMOVAL

1. REMOVE INSTRUMENT PANEL REINFORCEMENT ASSEMBLY

HINT:

See page IP-6

2. REMOVE CLUTCH MASTER CYLINDER PUSH ROD CLEVIS W/HOLE PIN

(a) Remove the clip and hole pin.

3. REMOVE CLUTCH PEDAL

(a) Disconnect the clutch start switch connector.

(b) Disconnect the clutch switch connector.

(c) Remove the bolt, 2 nuts and clutch pedal assembly.

4. REMOVE CLUTCH START SWITCH ASSEMBLY

(a) Remove the nut and clutch start switch assembly from the clutch pedal support.

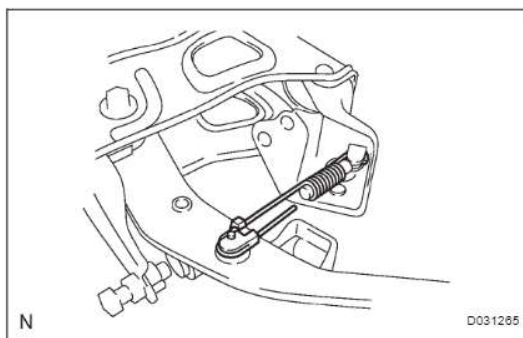
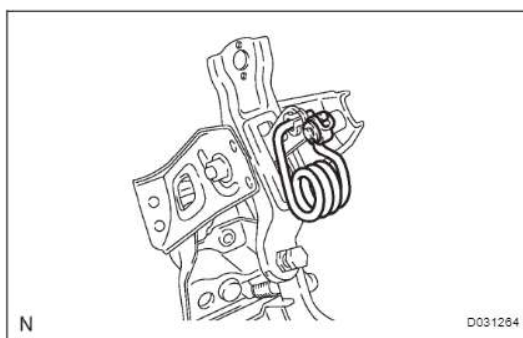
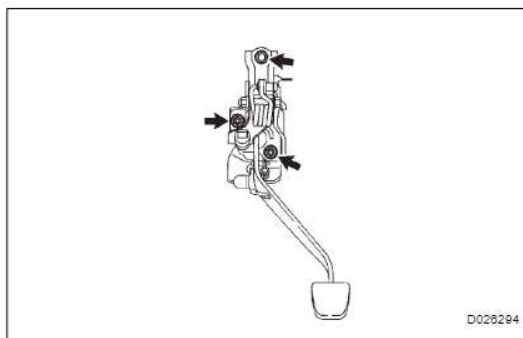
5. REMOVE CLUTCH SWITCH ASSEMBLY

(a) Remove the nut and clutch switch assembly from the clutch pedal support.

6. REMOVE TURN OVER SPRING SEAT COMPRESSION SPRING

(a) Using a small screwdriver, remove the E-ring.

(b) Remove the compression spring and clutch pedal spring holder.



7. REMOVE CLUTCH PEDAL SUB-ASSEMBLY

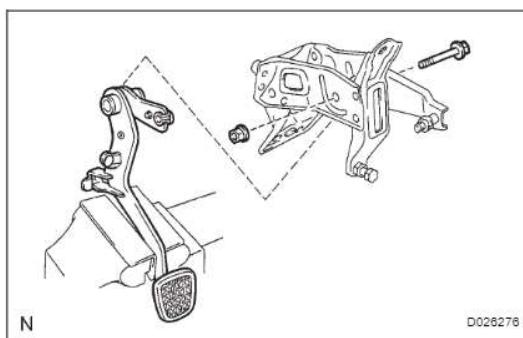
(a) Using a small screwdriver, remove the E-ring.

(b) Remove the clutch pedal spring and pedal spring hook.

(c) Mount the clutch pedal assembly in a soft jaw vise.

NOTICE:**Do not overtighten the vise.**

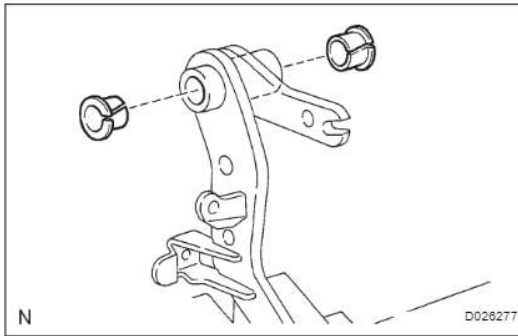
(d) Remove the bolt, nut and clutch pedal sub-assembly from the clutch pedal support.



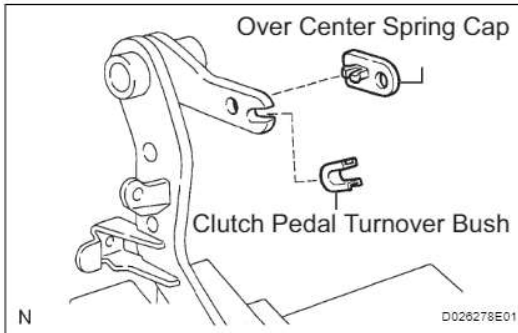
CL-4

CLUTCH – CLUTCH PEDAL

CL

**8. REMOVE CLUTCH PEDAL BUSH**

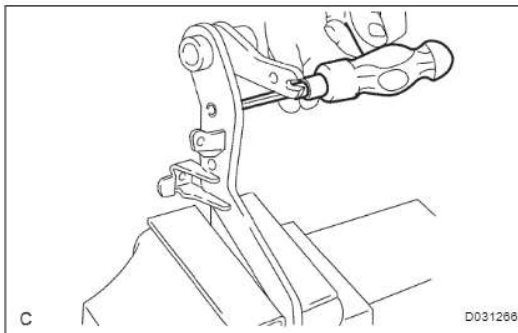
- (a) Remove the 2 bushes from the clutch pedal sub-assembly.

**9. REMOVE CLUTCH PEDAL TURNOVER BUSH**

- (a) Remove the clutch pedal turnover bush.

10. REMOVE OVER CENTER SPRING CAP**11. REMOVE CLUTCH PEDAL PAD****12. REMOVE CLUTCH PEDAL NO.1 CUSHION**

- (a) Remove the clutch pedal No.1 cushion from the clutch pedal sub-assembly.
 (b) Remove the clutch pedal No.1 cushion from the clutch pedal support sub-assembly.

**13. REMOVE CLUTCH MASTER CYLINDER PUSH ROD CLEVIS BUSH**

- (a) Using a hexagon wrench (8 mm) and hammer, remove the clevis bush from the clutch pedal sub-assembly.

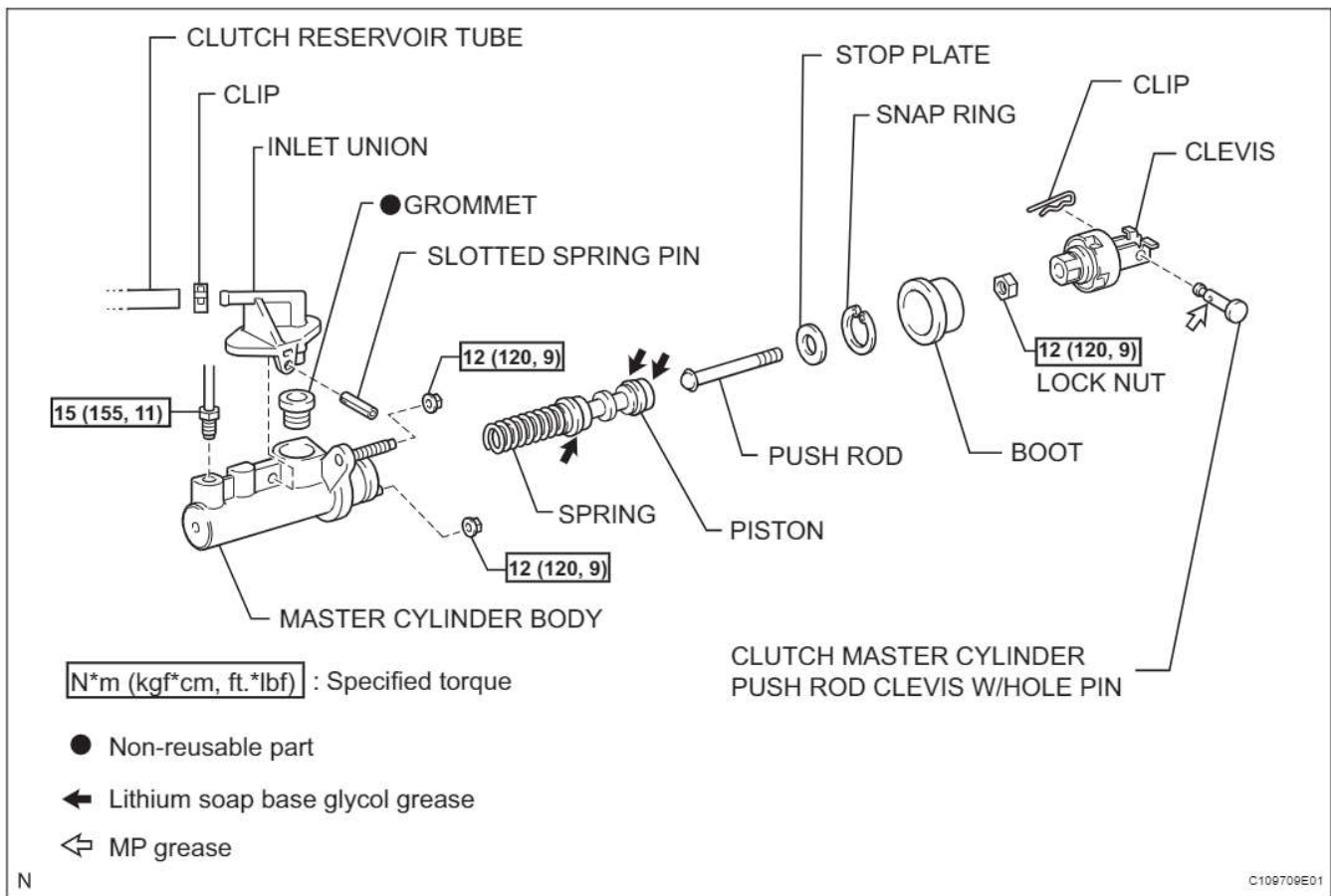
CL-8

CLUTCH – CLUTCH MASTER CYLINDER

CLUTCH MASTER CYLINDER

COMPONENTS

CL



CLUTCH – CLUTCH MASTER CYLINDER**CL-9****DISASSEMBLY****1. DRAIN CLUTCH FLUID****2. REMOVE BRAKE MASTER CYLINDER SUB-ASSEMBLY**

HINT:

See page [BR-11](#)**3. REMOVE BRAKE BOOSTER ASSEMBLY**

HINT:

See page [BR-17](#)**4. DISCONNECT CLUTCH RESERVOIR TUBE**

- (a) Loosen the clip and disconnect the clutch reservoir tube from the clutch master cylinder assembly.

HINT:

Use a container to catch the fluid.

5. DISCONNECT CLUTCH MASTER CYLINDER TO FLEXIBLE HOSE TUBE

- (a) Using SST, disconnect the flexible hose tube.

SST 09023-00101

HINT:

Use a container to catch the fluid.

6. REMOVE CLUTCH MASTER CYLINDER PUSH ROD CLEVIS W/HOLE PIN

- (a) Remove the clip and hole pin.

7. REMOVE CLUTCH MASTER CYLINDER ASSEMBLY

- (a) Remove the 2 nuts and clutch master cylinder assembly.

8. REMOVE CLUTCH MASTER CYLINDER KIT

- (a) Using a pin punch ($\phi 5$ mm) and hammer, drive out the slotted spring pin.

- (b) Remove the inlet union and grommet.

- (c) Loosen the lock nut, and remove the push rod clevis.

- (d) Remove the lock nut from the push rod.

- (e) Remove the boot from the cylinder body.

- (f) Using snap ring pliers, remove the snap ring while pushing on the piston rod.

- (g) Remove the push rod from the cylinder body.

NOTICE:

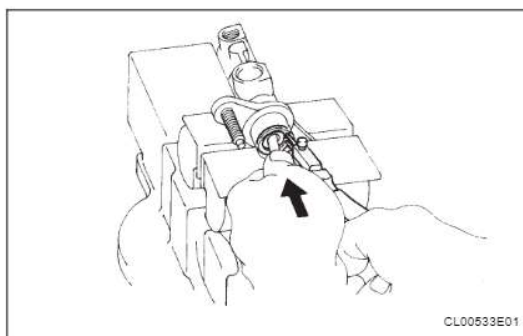
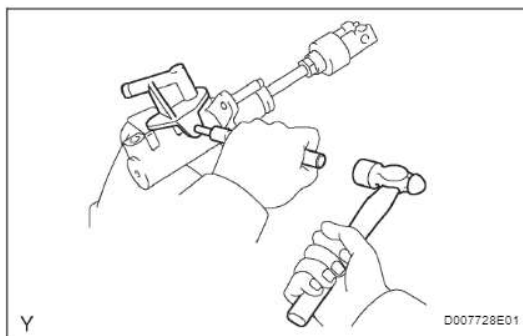
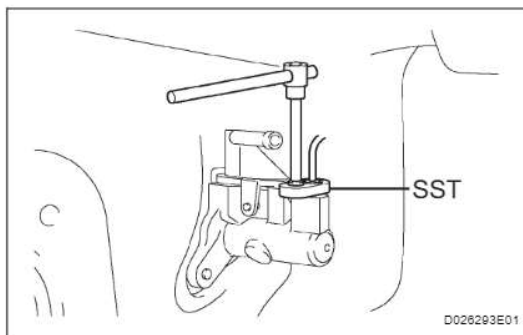
The piston may pop up out of the cylinder body. Therefore, slowly remove the push rod from the cylinder body.

- (h) Remove the stop plate from the push rod.

- (i) Remove the piston with the spring from the cylinder.

NOTICE:

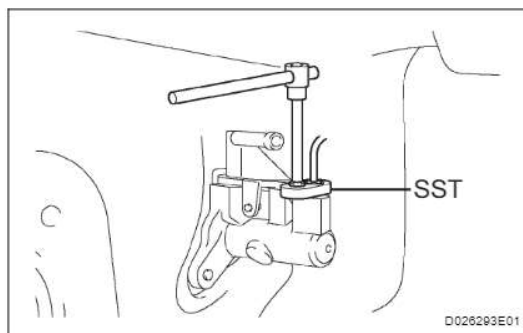
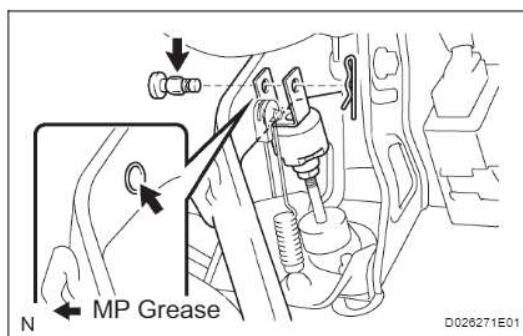
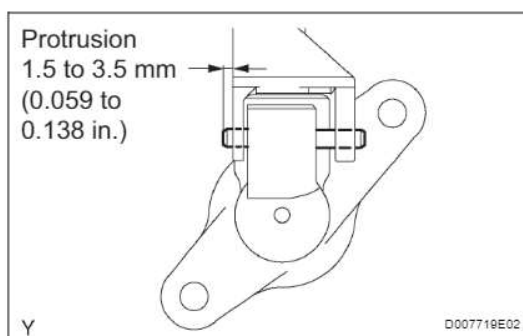
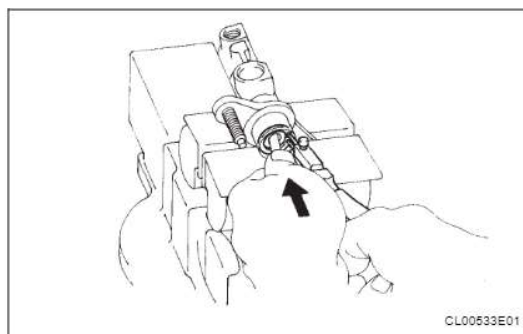
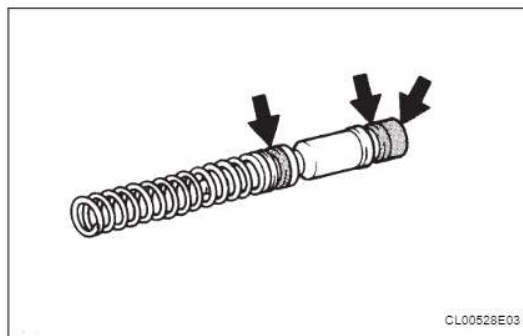
Be careful not to damage the inside of the cylinder body.



CL-10

CLUTCH – CLUTCH MASTER CYLINDER

CL



REASSEMBLY

1. INSTALL CLUTCH MASTER CYLINDER KIT

- Coat the parts indicated by arrows with lithium soap base glycol grease, as shown in the illustration.
- Install the piston with the spring into the cylinder.

NOTICE:

Be careful not to damage the inside of the cylinder body.

- Install the stop plate to the push rod.
- Install the push rod to the cylinder body.
- Using snap ring pliers, install the snap ring while pushing on the piston rod.
- Install the boot to the cylinder body.
- Install the lock nut to the push rod.
- Temporarily install the push rod clevis to the push rod with the lock nut.
- Install the inlet union and a new grommet.

- Using a pin punch ($\phi 5$ mm) and hammer, drive in the slotted spring pin.

Protrusion:

1.5 to 3.5 mm (0.059 to 0.138 in.)

2. INSTALL CLUTCH MASTER CYLINDER ASSEMBLY

- Install the clutch master cylinder assembly with the 2 nuts.

Torque: 12 N*m (120 kgf*cm, 9 ft.*lbf)

3. INSTALL CLUTCH MASTER CYLINDER PUSH ROD CLEVIS W/HOLE PIN

- Apply MP grease to the contact surface of the hole pin and bush.
- Connect the clevis to the clutch pedal assembly with the hole pin.

HINT:

Install the hole pin from the left side of the vehicle.

- Install the clip to the hole pin.

4. CONNECT CLUTCH MASTER CYLINDER TO FLEXIBLE HOSE TUBE

- Using SST, connect the flexible hose tube.

SST 09023-00101

Torque: 15 N*m (155 kgf*cm, 11 ft.*lbf)

CLUTCH – CLUTCH MASTER CYLINDER**CL-11****5. CONNECT CLUTCH RESERVOIR TUBE**

- (a) Connect the clutch reservoir tube to the clutch master cylinder assembly with the clip.

NOTICE:

Connect the clutch reservoir tube so that it will not be twisted.

6. INSTALL BRAKE BOOSTER ASSEMBLY

HINT:

See page [BR-18](#)

7. INSTALL BRAKE MASTER CYLINDER SUB-ASSEMBLY

HINT:

See page [BR-13](#)

8. BLEED BRAKE MASTER CYLINDER

SST 09023-00101

HINT:

See page [BR-13](#)

9. BLEED BRAKE LINE

HINT:

See page [BR-3](#)

10. BLEED CLUTCH PIPE LINE

- (a) Fill the brake reservoir tank with clutch fluid and bleed the clutch system.

Torque: 8.4 N*m (85 kgf*cm, 74 in.*lbf)

11. INSPECT AND ADJUST BRAKE PEDAL HEIGHT

HINT:

See page [BR-8](#)

12. INSPECT AND ADJUST CLUTCH PEDAL SUB-ASSEMBLY

HINT:

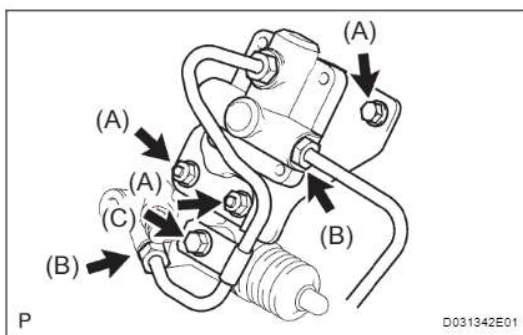
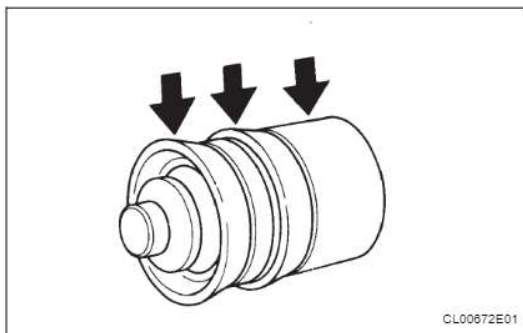
See page [CL-4](#)

13. CHECK BRAKE FLUID LEAKAGE**14. CHECK CLUTCH FLUID LEAKAGE****15. CHECK FLUID LEVEL IN RESERVOIR****CL**

CL-14

CLUTCH – CLUTCH RELEASE CYLINDER

CL



REASSEMBLY

1. **INSTALL RELEASE CYLINDER BLEEDER PLUG**
Torque: 8.4 N*m (85 kgf*cm, 74 in.*lbf)

2. **INSTALL CLUTCH RELEASE CYLINDER KIT**

- (a) Install the bleeder plug cap to the bleeder plug.
- (b) Install a new spring to the cylinder body.
- (c) Coat the piston with lithium soap base glycol grease, as shown in the illustration.
- (d) Install the piston to the cylinder body.

NOTICE:

Be careful not to damage the inside of the cylinder body.

- (e) Install the push rod to the cylinder body.
- (f) Install the boot to the cylinder body.

3. **INSTALL CLUTCH RELEASE CYLINDER ASSEMBLY**

- (a) Install the clutch release cylinder assembly with the 2 bolts.

Torque: 12 N*m (120 kgf*cm, 9 ft.*lbf)

4. **INSTALL CLUTCH ACCUMULATOR ASSEMBLY**

- (a) Install the clutch accumulator assembly with the 2 nuts and the bolt.

Torque: Bolt, Nut : (A)

12 N*m (120 kgf*cm, 9 ft.*lbf)

5. **CONNECT CLUTCH RELEASE CYLINDER TO FLEXIBLE HOSE TUBE**

- (a) Using SST, connect the 2 flexible hose tubes.

SST 09023-00101

Torque: Flexible hose tube : (B)

15 N*m (155 kgf*cm, 11 ft.*lbf)

- (b) Install the bolt and tube clamp bracket.

Torque: Bolt : (C)

12 N*m (120 kgf*cm, 9 ft.*lbf)

6. **BLEED CLUTCH PIPE LINE**

- (a) Fill the brake reservoir tank with clutch fluid and bleed the clutch system.

Torque: 8.4 N*m (85 kgf*cm, 74 in.*lbf)

7. **CHECK CLUTCH FLUID LEAKAGE**

8. **CHECK FLUID LEVEL IN RESERVOIR**

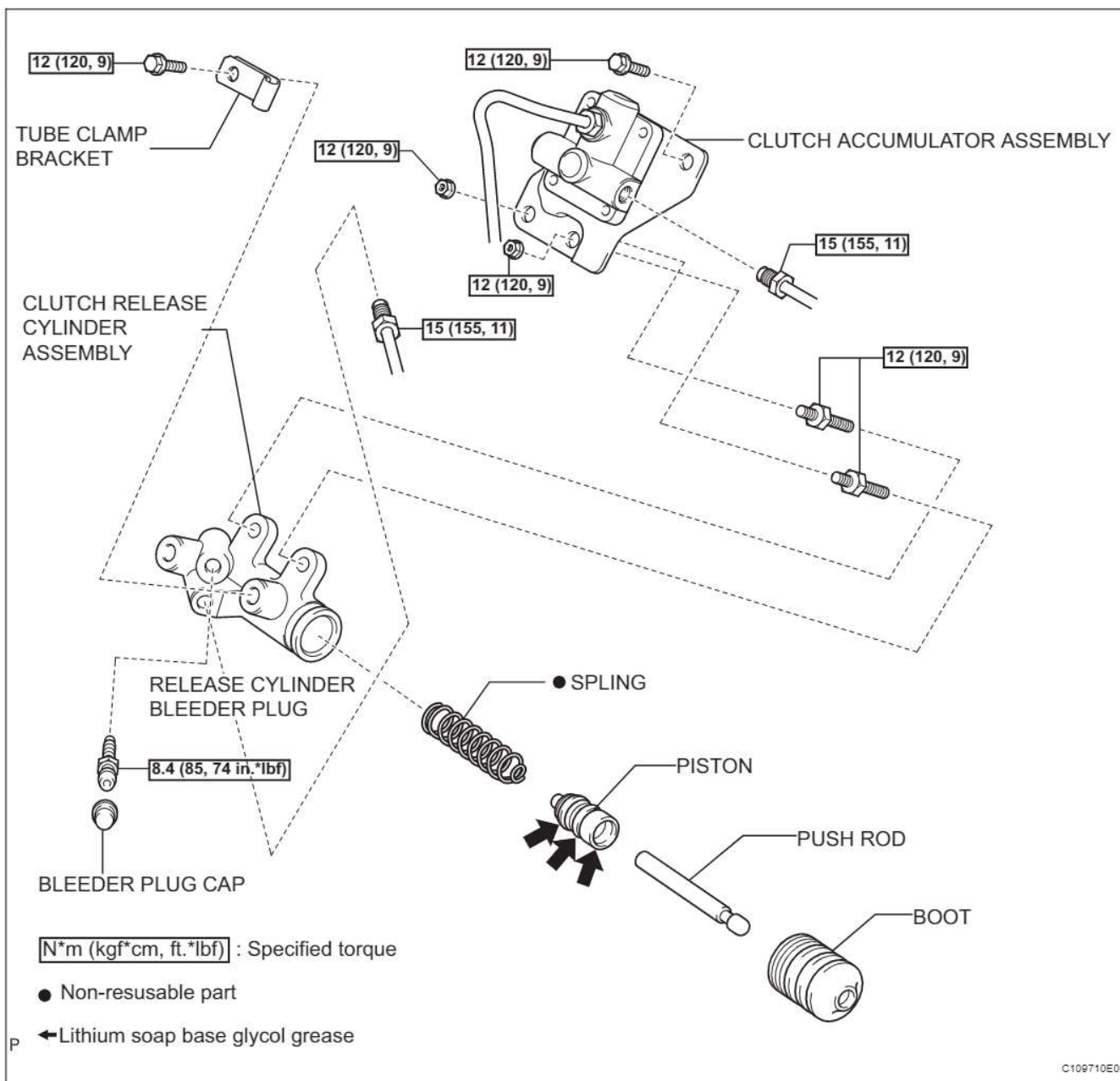
CL-12

CLUTCH – CLUTCH RELEASE CYLINDER

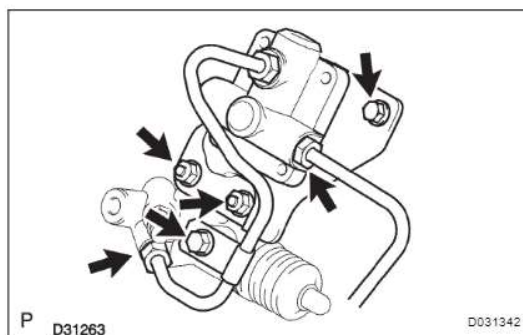
CLUTCH RELEASE CYLINDER

COMPONENTS

CL



C109710E02



DISASSEMBLY

1. DISCONNECT CLUTCH RELEASE CYLINDER TO FLEXIBLE HOSE TUBE

- Remove the bolt and tube clamp bracket.
- Using SST, disconnect the 2 flexible hose tubes.

SST 09023-00101

HINT:

Use a container to catch the fluid.

2. REMOVE CLUTCH ACCUMULATOR ASSEMBLY

- Remove the bolt, 2 nuts and the clutch accumulator assembly.

CLUTCH – CLUTCH RELEASE CYLINDER**CL-13****3. REMOVE CLUTCH RELEASE CYLINDER ASSEMBLY**

- (a) Remove the 2 bolts and clutch release cylinder assembly.

4. REMOVE CLUTCH RELEASE CYLINDER KIT

- (a) Remove the boot from the cylinder body.
- (b) Remove the push rod from the cylinder body.
- (c) Remove the piston from the cylinder body.

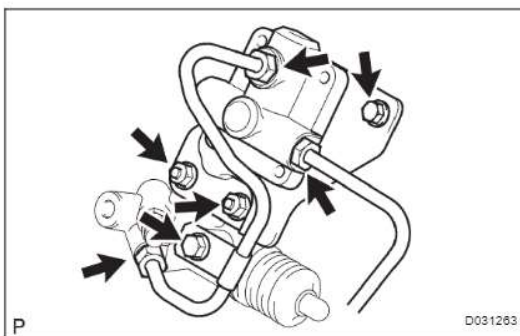
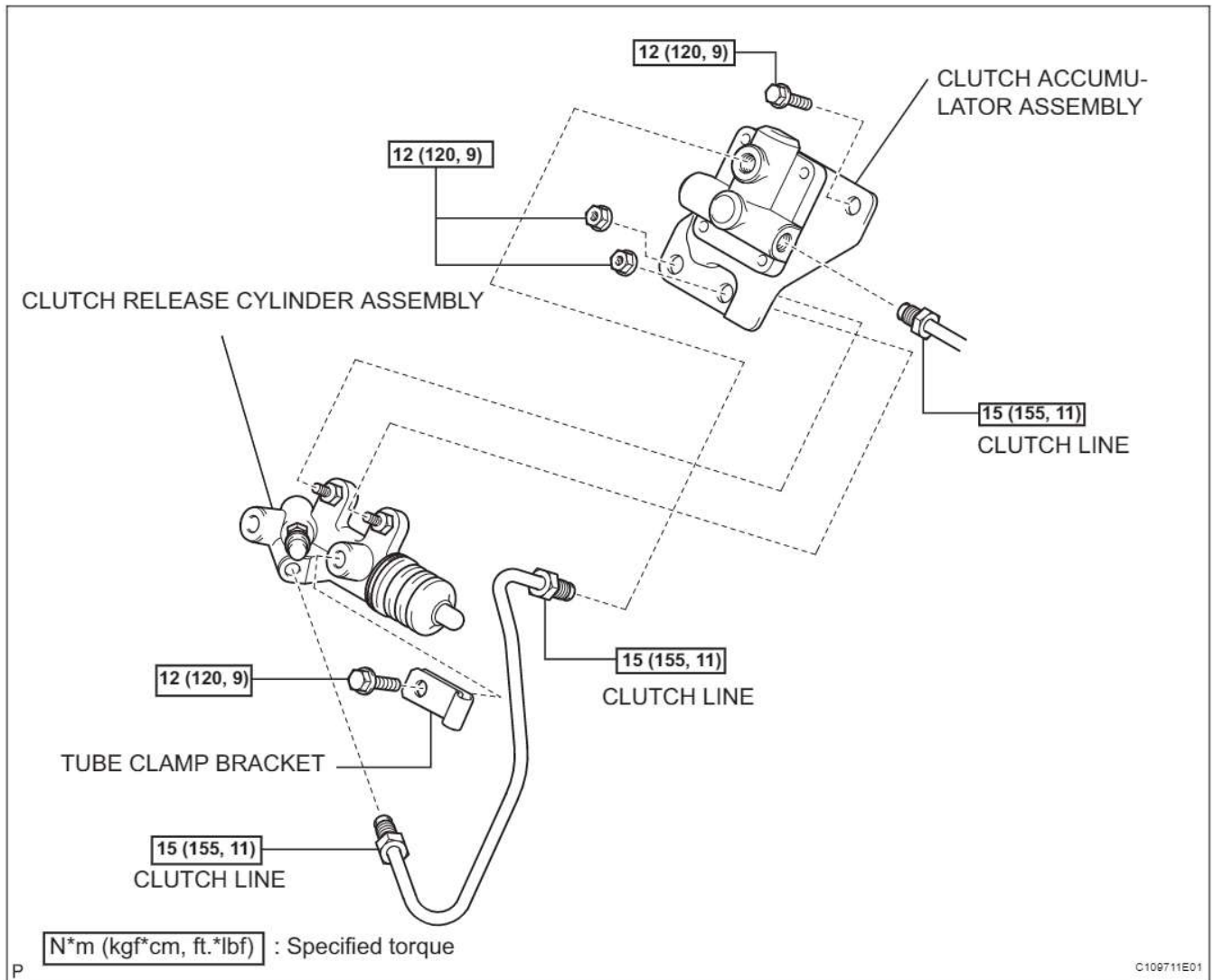
NOTICE:

Be careful not to damage the inside of the cylinder body.

- (d) Remove the spring from the cylinder body.
- (e) Remove the bleeder plug cap from the bleeder plug.

5. REMOVE RELEASE CYLINDER BLEEDER PLUG**CL**

CLUTCH ACCUMULATOR COMPONENTS

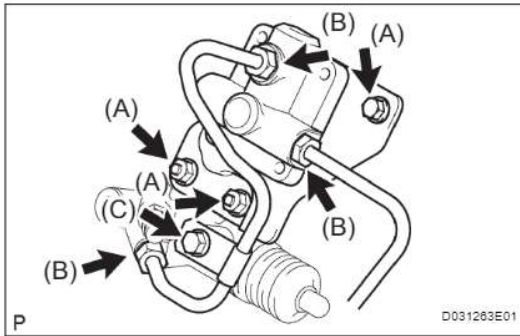


REMOVAL

1. **DISCONNECT CLUTCH RELEASE CYLINDER TO FLEXIBLE HOSE TUBE**
 - (a) Remove the bolt and tube clamp bracket.
 - (b) Using SST, disconnect the 3 flexible hose tubes.
SST 09023-00101
HINT:
Use a container to catch the fluid.
2. **REMOVE CLUTCH ACCUMULATOR ASSEMBLY**
 - (a) Remove the bolt, 2 nuts and clutch accumulator assembly.

CL-16

CLUTCH – CLUTCH ACCUMULATOR



INSTALLATION

1. INSTALL CLUTCH ACCUMULATOR ASSEMBLY

- (a) Install the clutch accumulator assembly with the 2 nuts and bolt.

Torque: Bolt, Nut : (A)

12 N*m (120 kgf*cm, 9 ft.*lbf)

2. CONNECT CLUTCH RELEASE CYLINDER TO FLEXIBLE HOSE TUBE

- (a) Using SST, connect the 3 flexible hose tubes to the clutch accumulator assembly.

SST 09023-00101

Torque: Flexible hose tube : (B)

15 N*m (155 kgf*cm, 11 ft.*lbf)

- (b) Install the bolt and tube clamp bracket.

Torque: Bolt : (C)

12 N*m (120 kgf*cm, 9 ft.*lbf)

3. BLEED CLUTCH PIPE LINE

- (a) Fill the brake reservoir tank with brake fluid and bleed the clutch system.

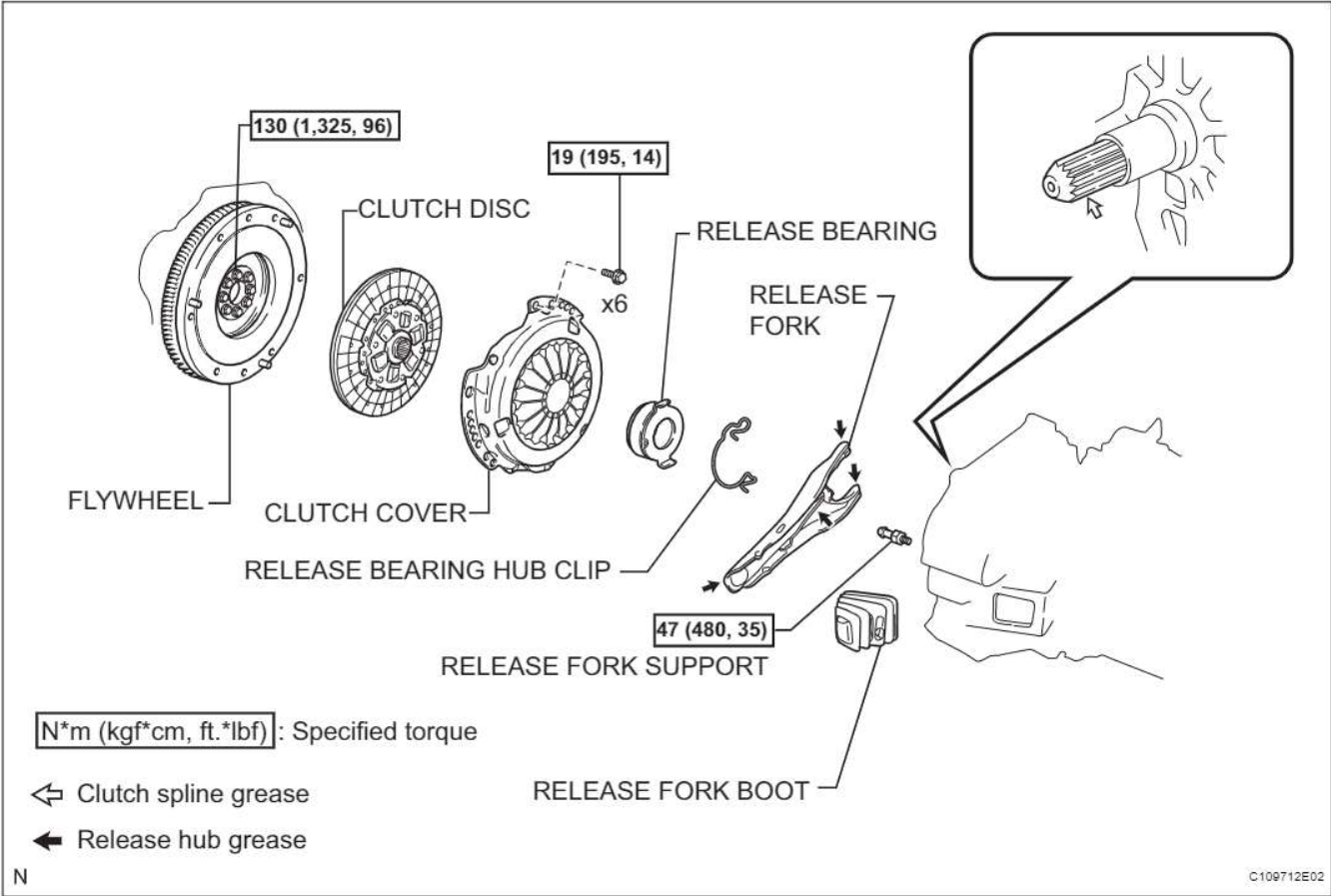
Torque: 8.4 N*m (85 kgf*cm, 74 in.*lbf)

4. CHECK CLUTCH FLUID LEAKAGE

5. CHECK FLUID LEVEL IN RESERVOIR

CLUTCH UNIT

COMPONENTS



CL-18

CLUTCH – CLUTCH UNIT

CL

DISASSEMBLY**1. REMOVE MANUAL TRANSAXLE ASSEMBLY**

HINT:

See page [MX-18](#).**2. REMOVE CLUTCH RELEASE FORK SUB-ASSEMBLY**

- (a) Remove the clutch release fork with the clutch release bearing from the transaxle assembly.

3. REMOVE CLUTCH RELEASE BEARING ASSEMBLY

- (a) Remove the release bearing hub clip and clutch release bearing assembly from the clutch release fork.

4. REMOVE RELEASE FORK SUPPORT

- (a) Remove the release fork support from the manual transaxle assembly.

5. REMOVE CLUTCH RELEASE FORK BOOT**6. REMOVE CLUTCH COVER ASSEMBLY**

- (a) Put matchmarks on the clutch cover assembly and flywheel sub-assembly.
 (b) Loosen each set bolt one turn at a time until spring tension is released.
 (c) Remove the set bolts and pull off the clutch cover assembly.

NOTICE:

Do not drop the clutch disc assembly.

7. REMOVE CLUTCH DISC ASSEMBLY**NOTICE:**

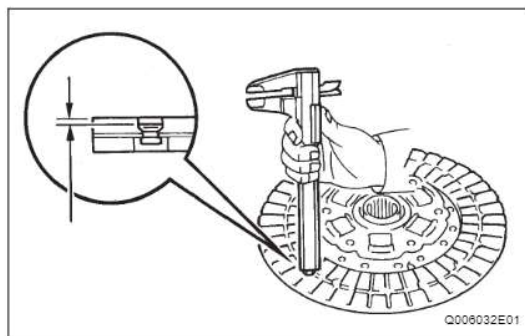
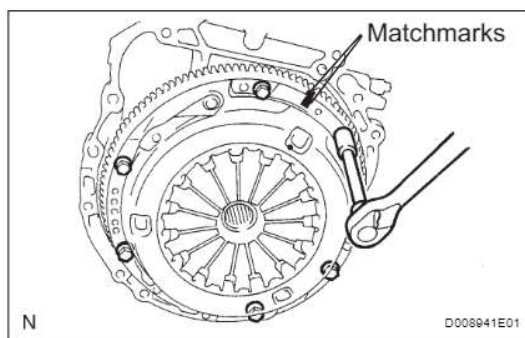
Keep the lining part of the clutch disc assembly, the pressure plate and surface of the flywheel sub-assembly away from oil and foreign matter.

INSPECTION**1. INSPECT CLUTCH DISC ASSEMBLY**

- (a) Using vernier calipers, measure the rivet head depth.

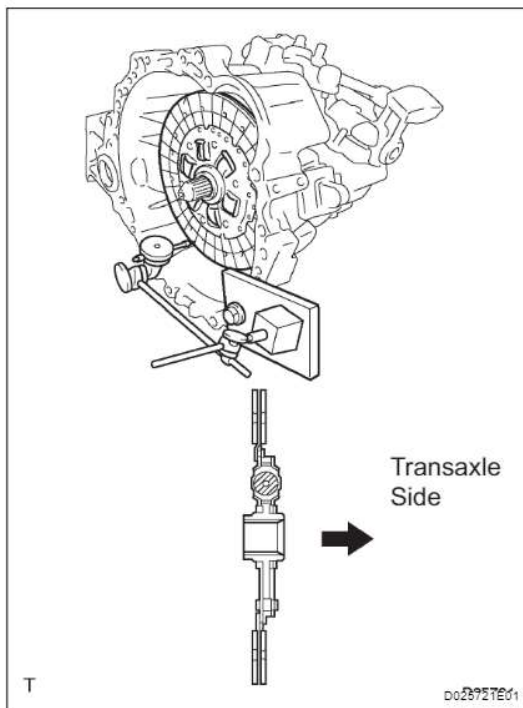
Maximum rivet depth:**0.3 mm (0.012 in.)**

If necessary, replace the clutch disc assembly.



CLUTCH – CLUTCH UNIT

CL-19



- (b) Install the clutch disc assembly to the transaxle assembly.

NOTICE:

Take care not to insert the clutch disc assembly in the wrong direction.

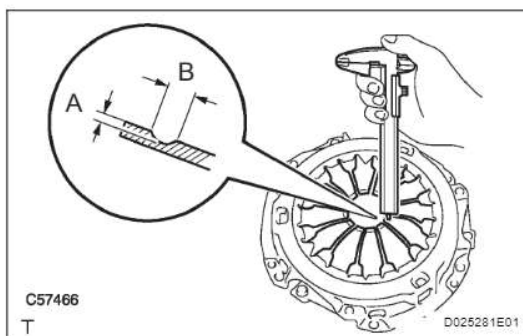
- (c) Using a dial indicator, check the clutch disc assembly for runout.

Maximum runout:

0.8 mm (0.031 in.)

If necessary, replace the clutch disc assembly.

CL

**2. INSPECT CLUTCH COVER ASSEMBLY**

- (a) Using vernier calipers, inspect the diaphragm spring for depth and width of wear.

Maximum:

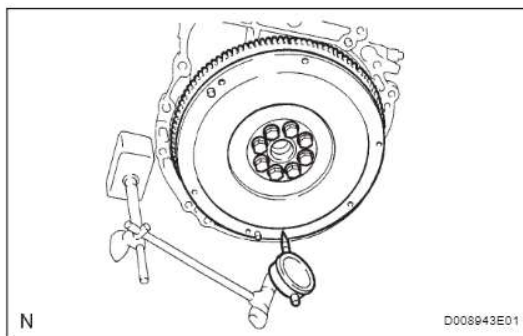
A (Depth):

0.5 mm (0.020 in.)

B (Width):

6.0 mm (0.236 in.)

If necessary, replace the clutch cover assembly.

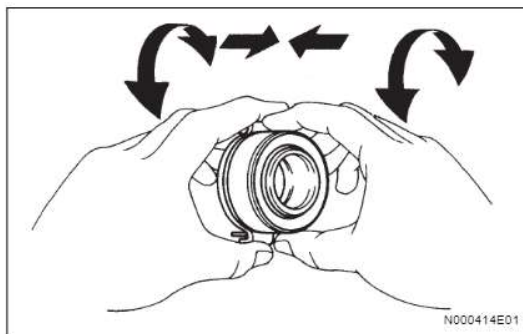
**3. INSPECT FLYWHEEL SUB-ASSEMBLY**

- (a) Using a dial indicator, inspect the flywheel sub-assembly for runout.

Maximum runout:

0.1 mm (0.004 in.)

If necessary, replace the flywheel sub-assembly.

**4. INSPECT CLUTCH RELEASE BEARING ASSEMBLY**

- (a) Turn the release bearing assembly by hand while applying force in the axial direction.

HINT:

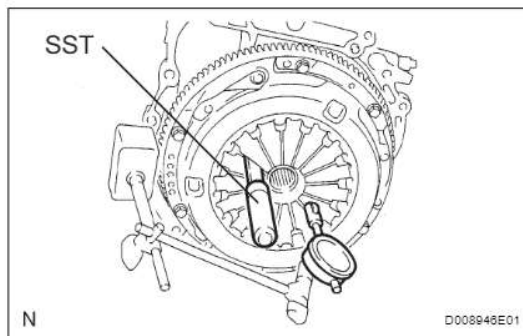
The bearing is permanently lubricated and requires no cleaning or lubrication.

If necessary, replace the release bearing assembly.

CL-20

CLUTCH – CLUTCH UNIT

CL

**5. INSPECT AND ADJUST CLUTCH COVER ASSEMBLY**

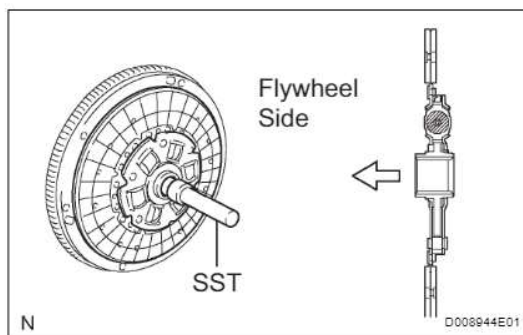
- (a) Using a dial indicator with a roller instrument, check the diaphragm spring tip alignment.

Maximum non-alignment:

0.5 mm (0.020 in.)

If alignment is not as specified, using SST, adjust the diaphragm spring tip alignment.

SST 09333-00013

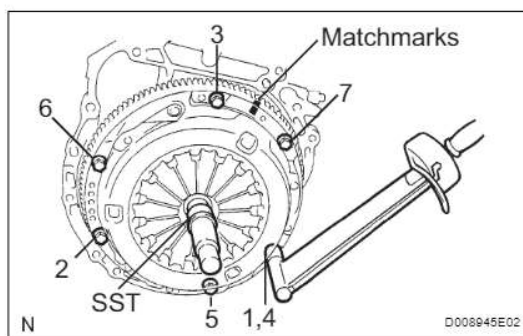
**REASSEMBLY****1. INSTALL CLUTCH DISC ASSEMBLY**

- (a) Insert SST into the clutch disc assembly, then insert them into the flywheel sub-assembly.

SST 09301-00220

NOTICE:

Take care not to insert the clutch disc assembly in the wrong direction.

**2. INSTALL CLUTCH COVER ASSEMBLY**

- (a) Align the matchmark on the clutch cover assembly with the one on the flywheel sub-assembly.
- (b) Following the procedures shown in the illustration, tighten the 6 bolts starting at the bolt located near the knock pin on the top.

Torque: 19 N*m (195 kgf*cm, 14 ft.*lbf)

HINT:

- Following the order in the illustration, gradually tighten the bolts one at a time.
- Check that the disc is in the center by lightly moving SST up and down, right and left, and then tighten the bolts.

3. INSTALL RELEASE FORK SUPPORT

- (a) Install the release fork support to the manual transaxle assembly.

Torque: 47 N*m (480 kgf*cm, 35 ft.*lbf)

4. INSTALL RELEASE BEARING HUB CLIP

- (a) Install the release bearing hub clip to the release bearing assembly.

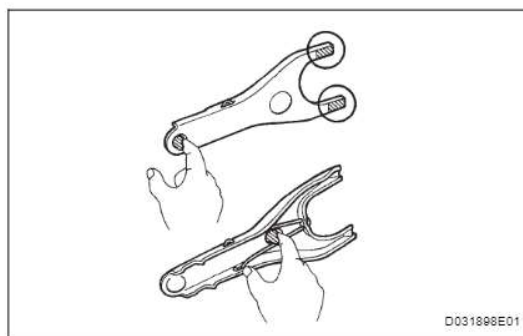
5. INSTALL CLUTCH RELEASE FORK SUB-ASSEMBLY

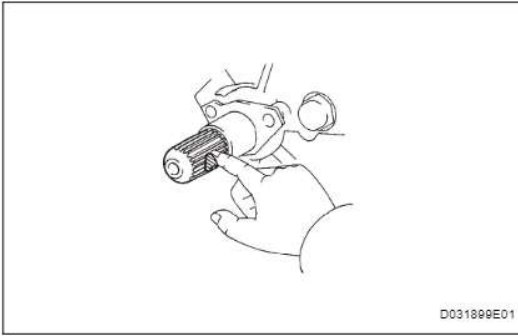
- (a) Apply release hub grease to the release fork, release bearing assembly, push rod contact point and pivot points as shown in the illustration.

Sealant:

Part No. 08887-01806, RELEASE HUB GREASE or equivalent

- (b) Install the release fork to the release bearing assembly.



CLUTCH – CLUTCH UNIT**CL-21****6. INSTALL CLUTCH RELEASE BEARING ASSEMBLY**

- (a) Apply clutch spline grease to the input shaft spline as shown in the illustration.

Sealant:

Part No. 08887-01706, CLUTCH SPLINE GREASE or equivalent

- (b) Install the release fork with the release bearing assembly to the manual transaxle assembly.

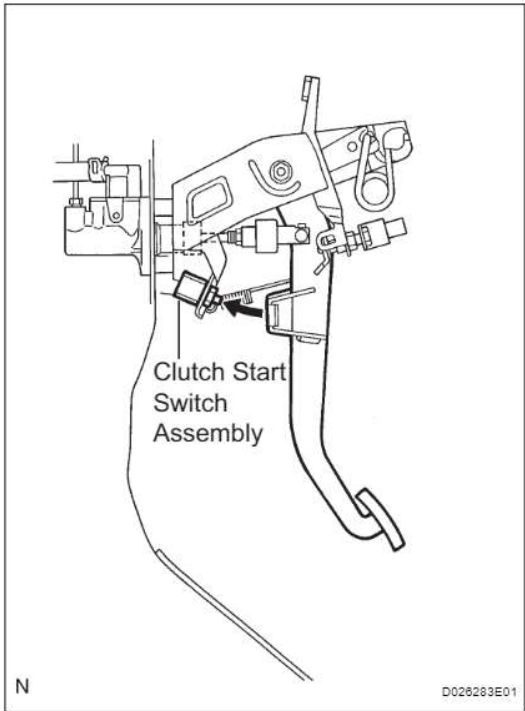
NOTICE:

After installation, move the fork back and forth to check that the release bearing slides smoothly.

7. INSTALL CLUTCH RELEASE FORK BOOT**8. INSTALL MANUAL TRANSAXLE ASSEMBLY****HINT:**

See page [MX-56](#).

CL

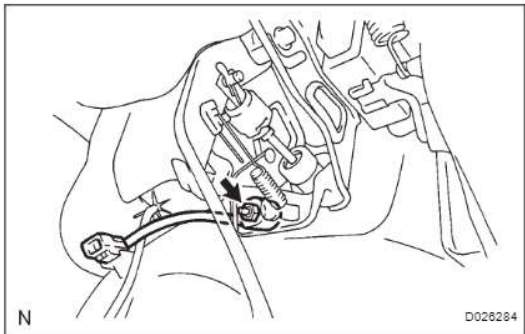


CLUTCH START SWITCH

ON-VEHICLE INSPECTION

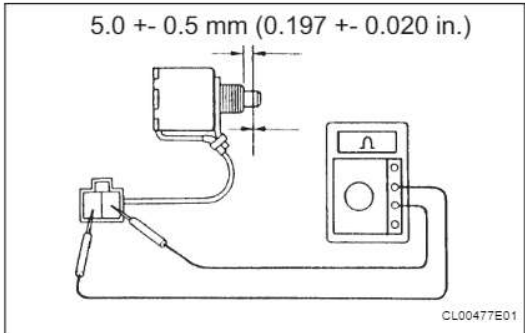
1. **INSPECT CLUTCH START SWITCH**
- (a) Check that the engine does not start when the clutch pedal is released.
 - (b) Check that the engine starts when the clutch pedal is fully depressed.
- If necessary, replace the clutch start switch assembly.

CL



REMOVAL

1. **REMOVE CLUTCH START SWITCH ASSEMBLY**
- (a) Disconnect the clutch start switch assembly connector.
 - (b) Remove the nut and clutch start switch assembly from the clutch pedal support.



INSPECTION

1. **INSPECT CLUTCH START SWITCH ASSEMBLY**
- (a) Measure the resistance between the terminals when the switch is ON and when it is OFF.

Switch position	Condition
ON (pushed)	Below 1 Ω
OFF (free)	10 k Ω or higher

CL-22

CLUTCH – CLUTCH START SWITCH

INSTALLATION**1. INSTALL CLUTCH START SWITCH ASSEMBLY**

- (a) Install the clutch start switch assembly with the nut.
Torque: 16 N*m (160 kgf*cm, 12 ft.*lbf)
- (b) Connect the clutch start switch assembly connector.

2. INSPECT CLUTCH START SWITCH ASSEMBLY

HINT:

See page [CL-21](#).**CL**