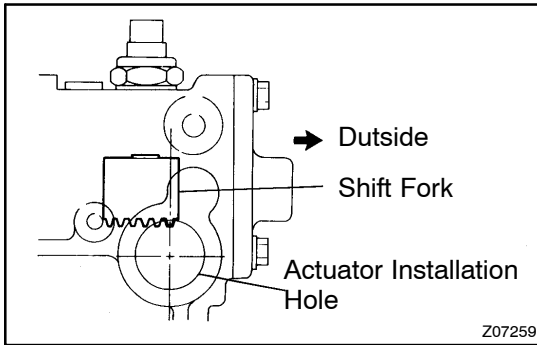




Z07259

INSTALLATION

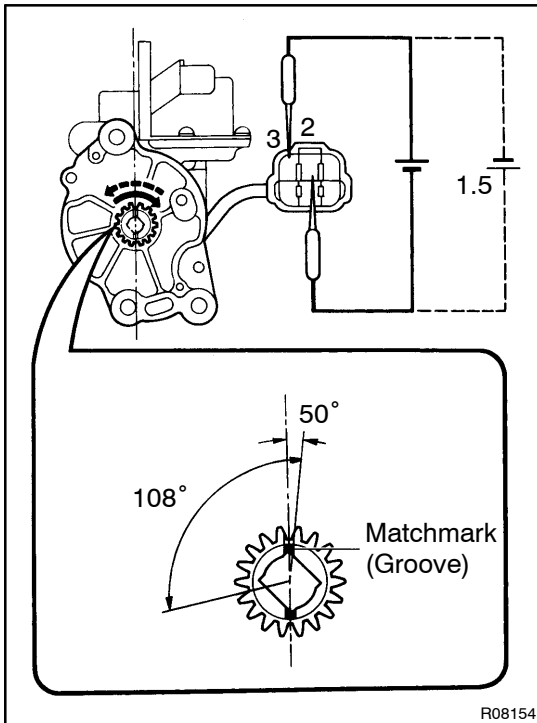
1. Front Actuator: INSTALL ACTUATOR

- (a) Check that the outermost rack tooth of the shift fork is virtually above the center line of the actuator installation hole.

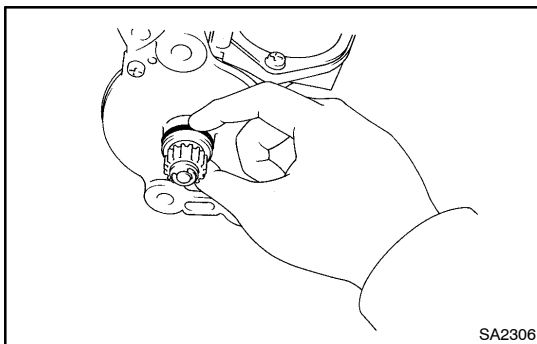
- (b) Using a dry cell battery, align the matchmark on the pinion with the center line of the actuator.

NOTICE:

- If the pinion of the actuator is not in the specified place, the actuator is difficult to be installed.
- Do not supply the battery positive voltage between terminals.
- If the matchmark comes to the extension limit of the rotation, do not electrify moreover.

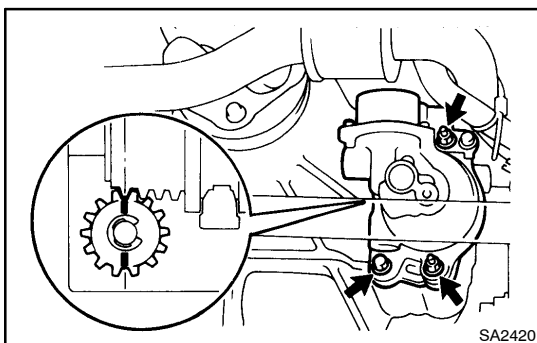


R08154



SA2306

- (c) Install a new O-ring to the actuator.
(d) Apply a light coat of gear oil on the O-ring.
(e) Apply MP grease to the gear part of the actuator.



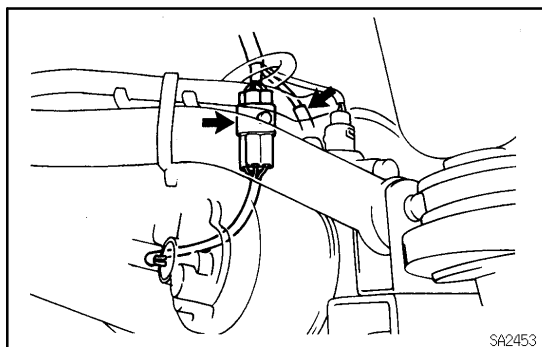
SA2420

- (f) Install the actuator to the differential with the 2 nuts and bolt, so that the outermost rack tooth of the shift fork will fit matchmark of the pinion of the actuator.

HINT:

Do not damage the O-ring of the actuator.

Torque: 26 N·m (270 kgf·cm, 20 ft·lbf)



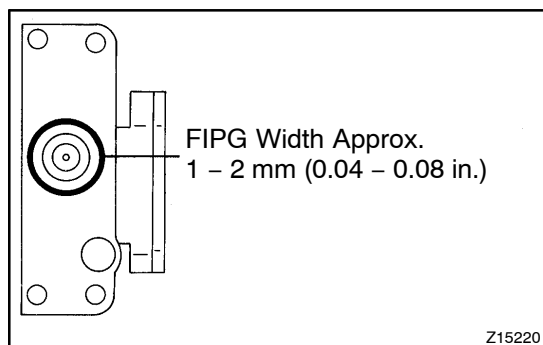
(g) Connect the connector and tube.

HINT:

- The depth of the insertion of the bleeder tube into the hose is approx. 15 mm (0.59 in.).
- Take care that water or the equivalent will not adhere to the connector and hose.

2. CANCEL FRONT DIFFERENTIAL LOCK

With the ignition switch ON, turn the differential lock control switch to OFF to cancel the differential lock.



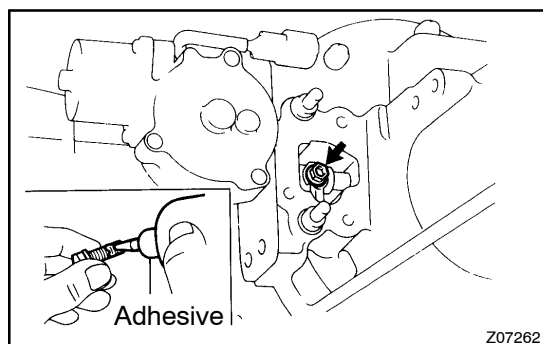
3. Front Actuator: INSTALL ACTUATOR

- Clean contacting surfaces of any FIPG material using gasoline or alcohol.
- Apply FIPG to the actuator.

FIPG: Part No. 08826-00090, THREE BOND 1281 or equivalent

HINT:

Install the actuator within 10 minutes after applying FIPG.

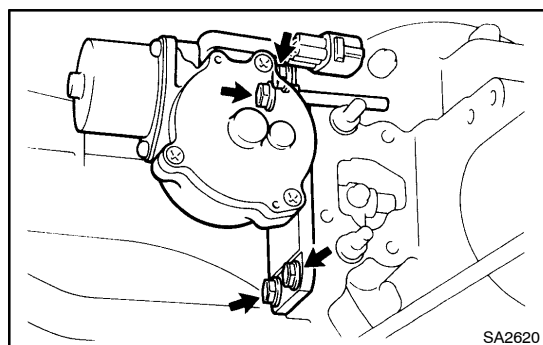


- Install the actuator to the differential and match the shaft with the shaft fork hole.
- Clean the threads of the set bolt and shaft fork with the white gasoline.
- Coat the threads of the set bolt with adhesive.

Adhesive: Part No. 08833-00070, THREE BOND 1324 or equivalent

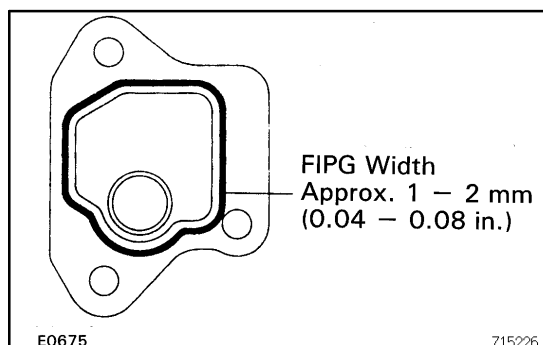
- Tighten the shift fork set bolt.

Torque: 20 N·m (200 kgf·cm, 14 ft·lbf)



- Tighten the 4 bolts uniformly, a little at a time.

Torque: 24 N·m (240 kgf·cm, 17 ft·lbf)



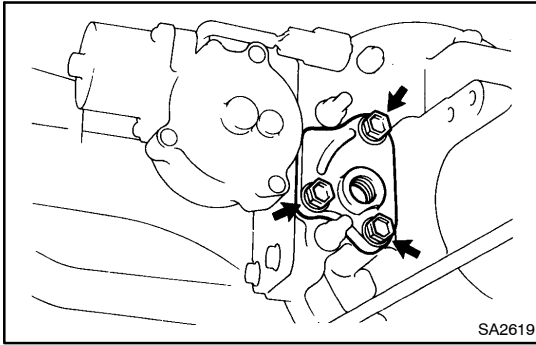
4. INSTALL COVER

- Clean the contacting surfaces of any FIPG material using gasoline or alcohol.
- Apply FIPG to the cover.

FIPG: Part No. 08826-00090, THREE BOND 1281 or equivalent

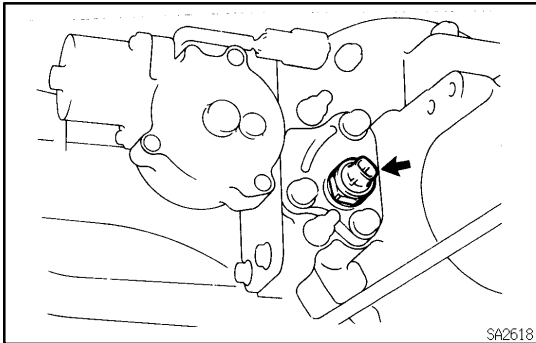
HINT:

Install the cover within 10 minutes after applying FIPG.



(c) Tighten the 3 bolts.

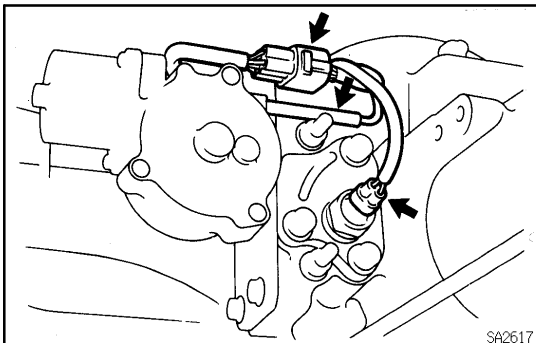
Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)



5. INSTALL REAR DIFF. LOCK POSITION SWITCH

Install the position switch with a new gasket.

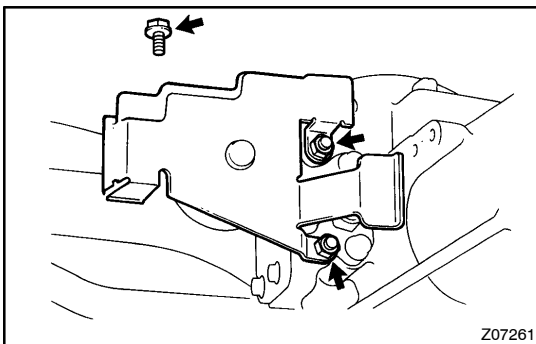
Torque: 40 N·m (410 kgf·cm, 30 ft·lbf)



6. CONNECT CONNECTORS AND TUBE

HINT:

- The depth of the insertion of the bleeder tube into the hose is approx. 15 mm (0.59 in.).
- Take care that the water or the equivalent will not adhere to the connectors and hose.



7. INSTALL ACTUATOR PROTECTOR

Install the protector with the 2 nuts and bolt.

Torque:

Nut: 35 N·m (360 kgf·cm, 26 ft·lbf)

Bolt: 20 N·m (200 kgf·cm, 14 ft·lbf)

8. CANCEL REAR DIFFERENTIAL LOCK

With the ignition switch ON, turn the differential lock control switch to OFF to cancel the differential lock.