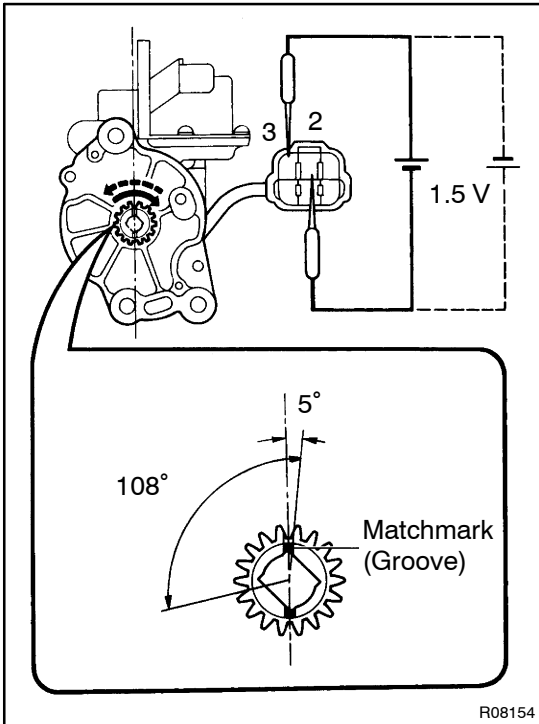


## INSTALLATION

### 1. INSTALL FRONT ACTUATOR

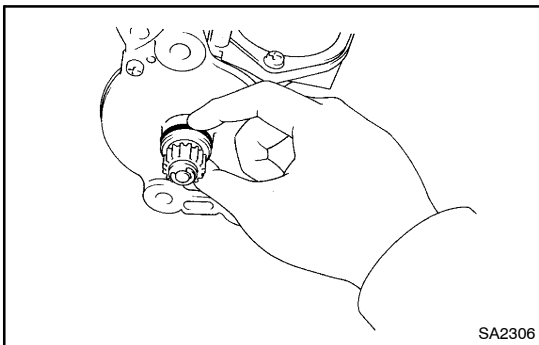
- (a) Check that the outermost positioned rack tooth of the shift fork is virtually above the center line of the actuator installation hole.



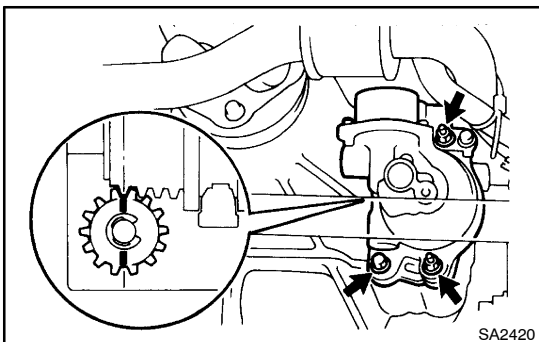
- (b) Using a dry cell battery, align the matchmark on the actuator pinion with the center line of the actuator.

#### 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 voltage between terminals.
- If the matchmark comes to the extension limit of the rotation, do not electrify moreover.



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



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

#### HINT:

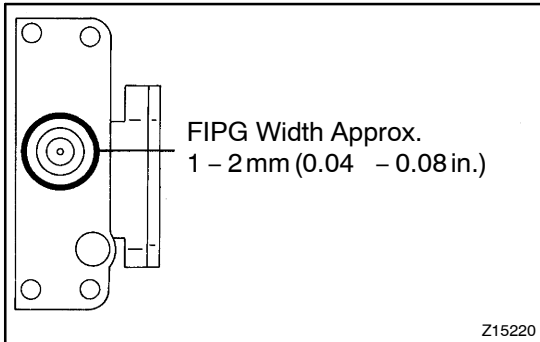
Do not damage the O-ring of the actuator.

**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 an equivalent shall not adhere to the connector and hose.



**2. INSTALL REAR ACTUATOR**

- (a) Clean contacting surfaces of any FIPG material using gasoline or alcohol.

- (b) Apply FIPG to the actuator.

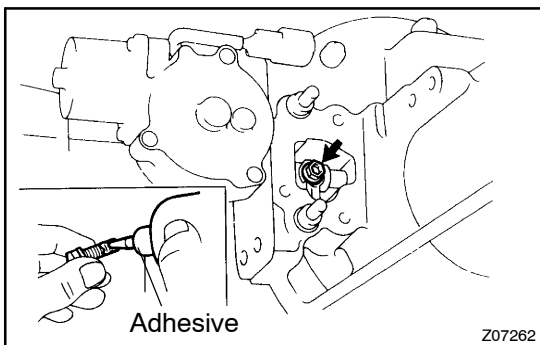
**FIPG:**

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

**HINT:**

Install the actuator within 10 minutes after applying FIPG.

- (c) Install the actuator to the differential and match the shaft with the shaft fork hole.
- (d) Clean the threads of the set bolt and shaft fork with the white gasoline.



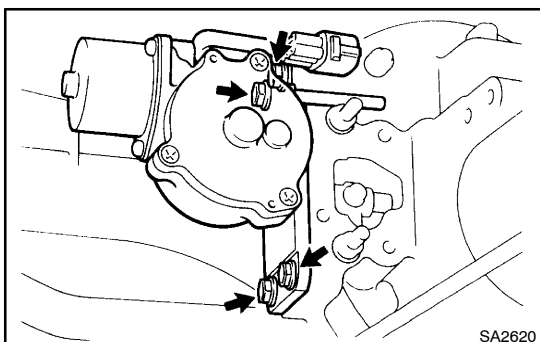
- (e) Coat the threads of the set bolt with adhesive.

**Adhesive:**

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

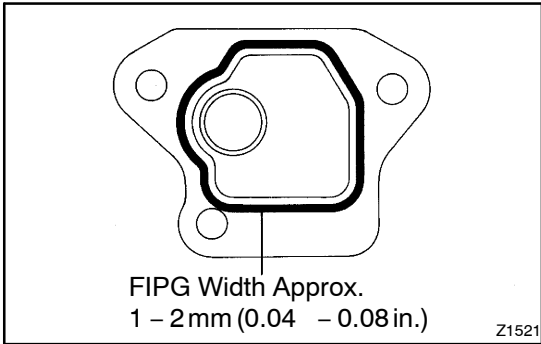
- (f) Tighten the shift fork set bolt.

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



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

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

**3. INSTALL COVER**

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

**FIPG:**

**Part No. 08826 –00090, THREE BOND 1281 or equivalent**

**HINT:**

Install the actuator within 10 minutes after applying FIPG.

- (c) Tighten the 3 bolts.

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

**4. INSTALL REAR DIFF. LOCK POSITION SWITCH**

Install the position switch with a new gasket.

**Torque: 40 N·m (4 10 kgf·cm, 30 ft·lbf)**

**5. 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 an equivalent will not adhere to the connectors and hose.

**6. INSTALL ACTUATOR PROTECTOR**

Install the protector with the nut and bolt.

**Torque: 15 N·m ( 150 kgf·cm, 11 ft·lbf)**

**7. CANCEL REAR DIFFERENTIAL LOCK**

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