

## REPLACEMENT

### 1. REMOVE ENGINE UNDER COVER ASSY REAR

(a) Remove the 6 bolts and engine under cover assy rear.

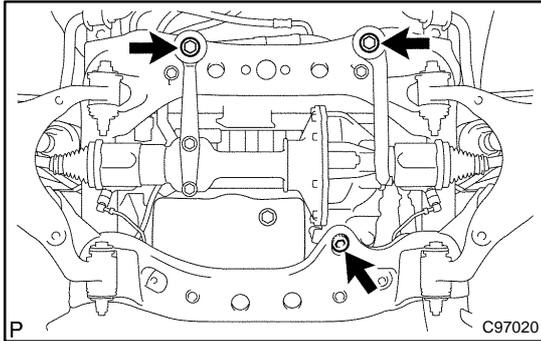
### 2. REMOVE ENGINE UNDER COVER SUB-ASSY NO.1

(a) Remove the 4 bolts and engine under cover sub-assy No.1.

### 3. REMOVE FRONT DIFFERENTIAL DRAIN PLUG

### 4. DRAIN DIFFERENTIAL OIL (See Pub. No. RM1001U on page 29-3)

### 5. REMOVE PROPELLER SHAFT ASSY FRONT (See Pub. No. RM1001U on page 30-4)



### 6. REMOVE DIFFERENTIAL VACUUM ACTUATOR ASSY

(a) Remove the bolt and separate the front differential breather tube bracket.

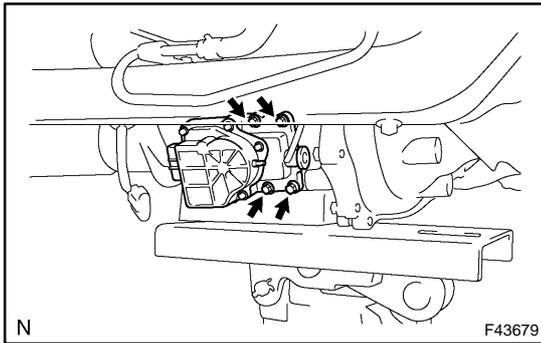
(b) Support the front differential with a jack.

(c) Remove the front differential mount nut No.1.

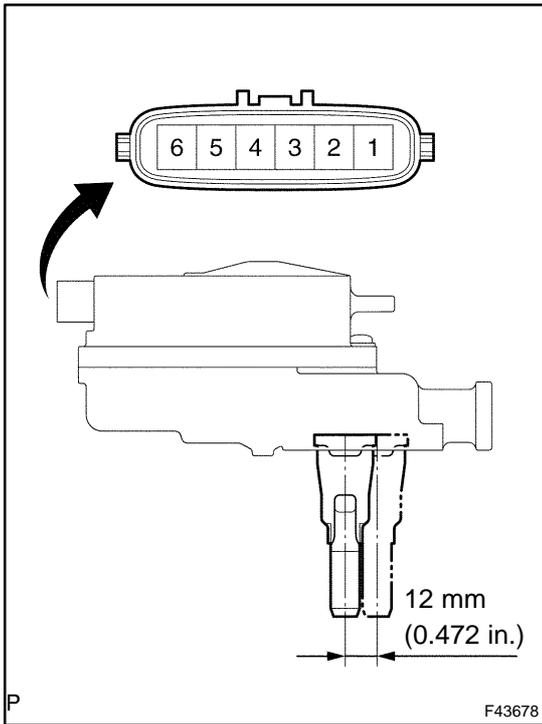
(d) Remove the 2 front mounting bolts and 2 nuts.

(e) Disconnect the actuator hose and connector.

(f) Lower the jack.



(g) Remove the 4 bolts and differential vacuum actuator assy.



**7. INSPECT DIFFERENTIAL VACUUM ACTUATOR ASSY**

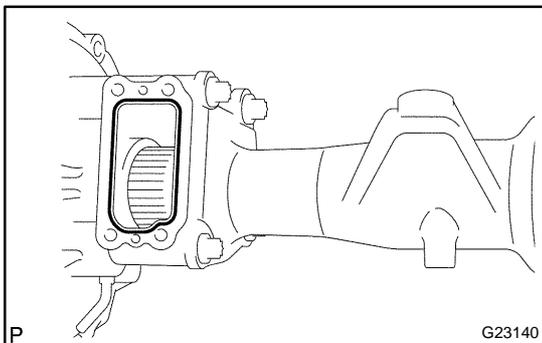
(a) Measure the resistance between the terminals 1 - 2.  
**Standard resistance: 0.1 - 100 Ω**

(b) Measure the resistance between the terminals 1 or 2 and body ground.  
**Standard resistance: 5 MΩ or more**

If the resistance value is not as specified, replace the differential vacuum actuator assembly.

(c) Apply battery positive voltage between the terminal 1 - 2, and check the actuator operation by sound, actuator status and continuity between the terminal 3 - 4, 5 - 4 and 6 - 4.

Battery voltage applied terminal	3 - 4 terminals continuity	5 - 4 terminals continuity	6 - 4 terminals continuity	Actuator status
1 (+) - 2 (-)	Continuity	Continuity	No continuity	Connected
1 (-) - 2 (+)	No continuity	No continuity	Continuity	Disconnected



**8. INSTALL DIFFERENTIAL VACUUM ACTUATOR ASSY**

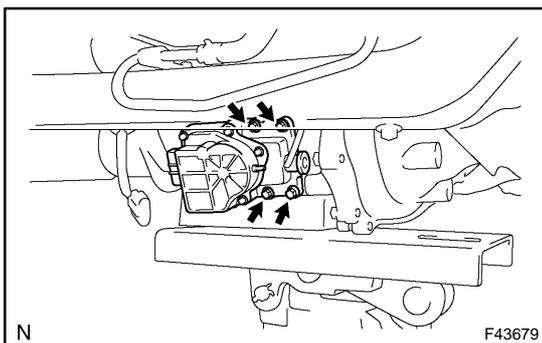
(a) Remove the any oil FIPG material and be careful not to drop oil on the contact surfaces of the actuator and clutch case.

(b) Clean connecting surfaces of any residual FIPG material using gasoline or alcohol.

(c) Apply FIPG to the differential tube, as shown.  
**FIPG: Part No. 08826-00090, THREE BOND 1281 or equivalent**

**HINT:**

Install the actuator within 10 minutes after applying FIPG.

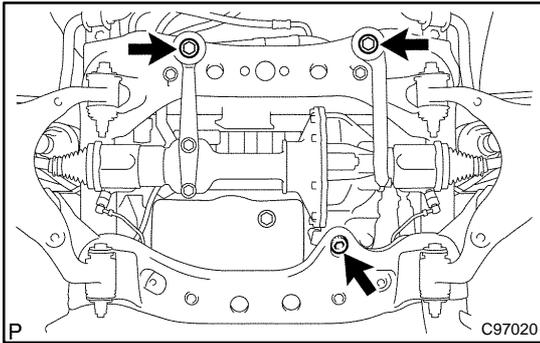


(d) Clean the threads of the 4 bolts and retainer bolt holes with toluene or trichloroethylene.

(e) Install the differential vacuum actuator assy to the differential tube.

(f) Apply adhesive to 2 to 3 threads of the bolts end.  
**Adhesive: Part No. 08833-00070, THREE BOND 1281 or equivalent**

(g) Install the 4 bolts.  
**Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)**



- (h) Connect the actuator hose and connector.
- (i) Install the No.1 mounting support with the 3 bolts.  
**Torque: 186 N·m (1,900 kgf·cm, 137 ft·lbf)**
- (j) Install the No.2 mounting support with the 2 bolts.  
**Torque: 160 N·m (1,630 kgf·cm, 118 ft·lbf)**
- (k) Install the front differential support No.3 with the 2 bolts.  
**Torque: 108 N·m (1,100 kgf·cm, 80 ft·lbf)**
- (l) Support the front differential with a jack.
- (m) Install the 2 front mounting bolts and nuts.  
**Torque: 137 N·m (1,400 kgf·cm, 101 ft·lbf)**
- (n) Install the front differential mount nuts No.1.  
**Torque: 87 N·m (887 kgf·cm, 64 ft·lbf)**
- (o) Install the front differential breather tube bracket with a bolt.  
**Torque: 13 N·m (133 kgf·cm, 10 ft·lbf)**
- (p) Lower the jack.

**9. INSTALL PROPELLER SHAFT ASSY FRONT (See Pub. No. RM1001U on page 30-4)**

**10. INSPECT DIFFERENTIAL OIL (See Pub. No. RM1001U on page 29-3)**

**11. ADD INSPECT DIFFERENTIAL OIL (See Pub. No. RM1001U on page 29-3)**

**12. INSTALL ENGINE UNDER COVER SUB-ASSY NO.1**

- (a) Install the engine under cover sub-assy No.1 with the 4 bolts.

**13. INSTALL ENGINE UNDER COVER ASSY REAR**

- (a) Install the engine under cover assy rear with the 6 bolts.