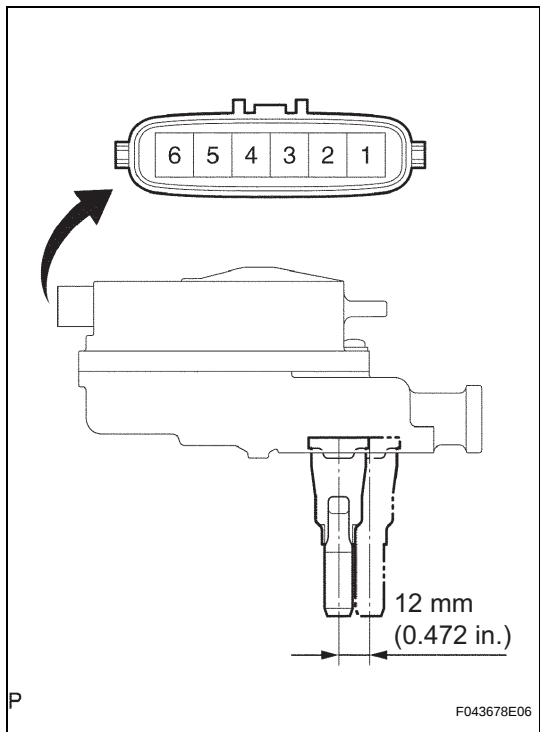


DF

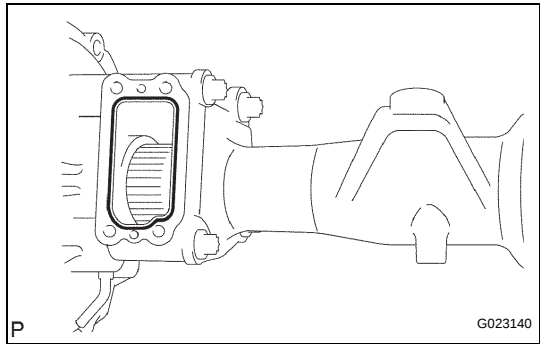


INSPECTION

1. INSPECT DIFFERENTIAL VACUUM ACTUATOR ASSEMBLY

- (a) Measure the resistance between the terminals 1 to 2.
Standard resistance:
0.1 to 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 to 2, and check the actuator operation by sound, actuator status and continuity between the terminal 3 to 4, 5 to 4 and 6 to 4.

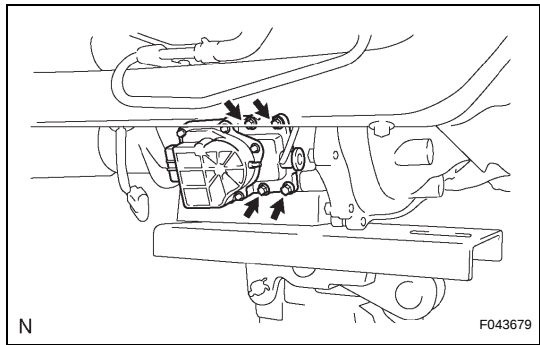
Battery voltage applied terminal	3 to 4 terminals continuity	5 to 4 terminals continuity	6 to 4 terminals continuity	Actuator status
1 (+) - 2 (-)	Continuity	Continuity	No continuity	Connected
1 (-) - 2 (+)	No continuity	No continuity	Continuity	Disconnected

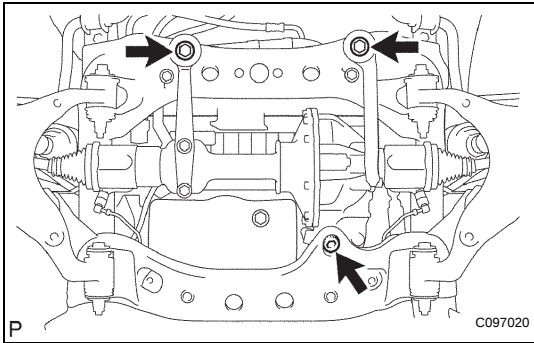


INSTALLATION

1. INSTALL DIFFERENTIAL VACUUM ACTUATOR ASSEMBLY

- (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 assembly 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.

2. INSTALL FRONT PROPELLER SHAFT ASSEMBLY (See page [PR-19](#))

3. INSPECT DIFFERENTIAL OIL (See page [DF-3](#))

4. INSPECT AND ADJUST DIFFERENTIAL OIL (See page [DF-3](#))

5. INSTALL NO. 1 ENGINE UNDER COVER SUB-ASSEMBLY

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

6. INSTALL ENGINE UNDER COVER ASSEMBLY REAR

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