

INSTALLATION

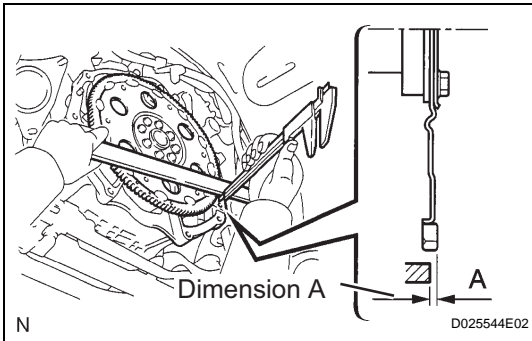
1. INSPECT TORQUE CONVERTER CLUTCH ASSEMBLY (See page [AT-117](#))

2. INSTALL TORQUE CONVERTER CLUTCH ASSEMBLY

- (a) Install the torque converter clutch onto the automatic transmission.
- (b) Using calipers and a straight edge, measure dimension A, between the transmission and the end surface of the drive plate, as shown in the illustration.

Standard:

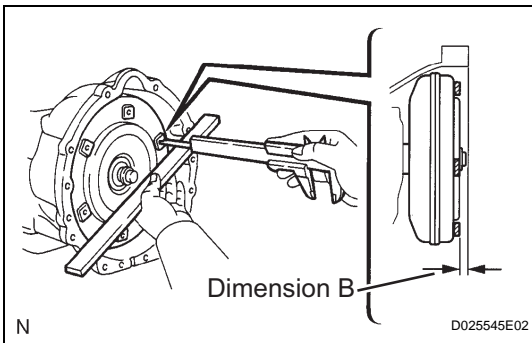
A: 22.28 mm (0.8772 in.)



- (c) Using calipers and a straight edge, measure the dimension B shown in the illustration and check that B is greater than A measured in (b).

Standard:

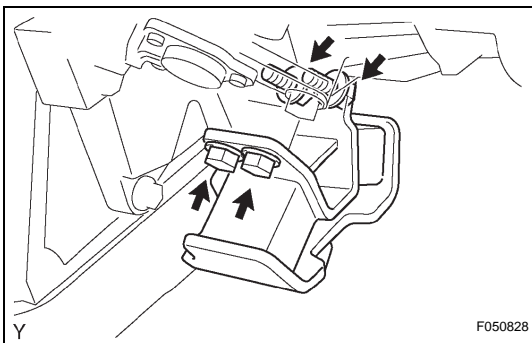
23.28 mm (0.9165 in.) or more



3. INSTALL REAR NO.1 ENGINE MOUNTING INSULATOR

- (a) Install the engine mounting insulator with the 4 bolts.

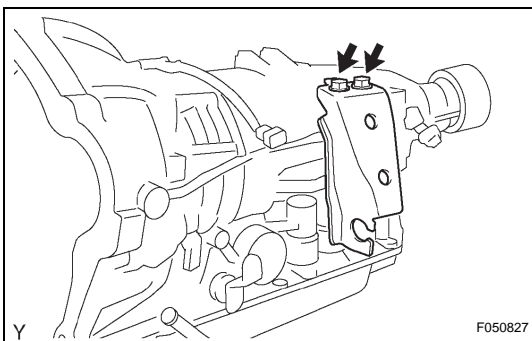
Torque: 65 N*m (663 kgf*cm, 48 ft.*lbf)

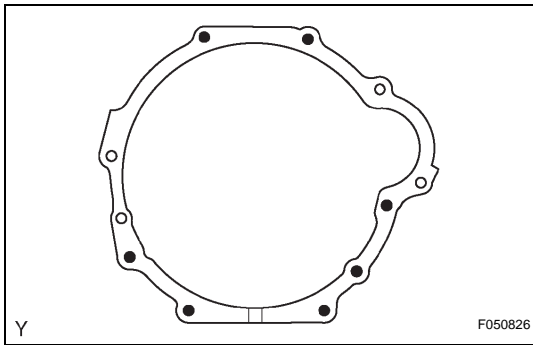


4. INSTALL NO.1 TRANSMISSION CONTROL CABLE BRACKET

- (a) Install the transmission control cable bracket No. 1 with the 2 bolts.

Torque: 28 N*m (286 kgf*cm, 21 ft.*lbf)

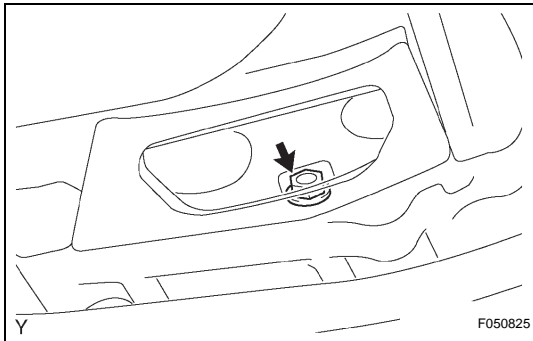




5. INSTALL AUTOMATIC TRANSMISSION ASSEMBLY

- (a) Install the automatic transmission with the 7 bolts.

Torque: 71 N*m (724 kgf*cm, 52 ft.*lbf) for bolt A
37 N*m (377 kgf*cm, 27 ft.*lbf) for bolt B



- (b) Install the 6 torque converter clutch mounting bolts.

Torque: 48 N*m (489 kgf*cm, 35 ft.*lbf)

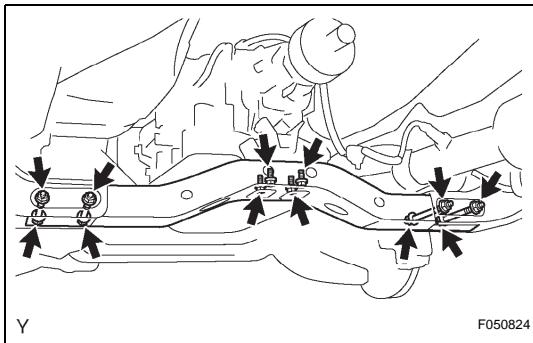
HINT:

First install the black bolt and then the other 5 bolts.

- (c) Install the flywheel housing under cover.

6. INSTALL WIRE HARNESS

7. INSTALL STARTER ASSEMBLY (See page [ST-10](#))



8. INSTALL NO.3 FRAME CROSSMEMBER SUB-ASSEMBLY

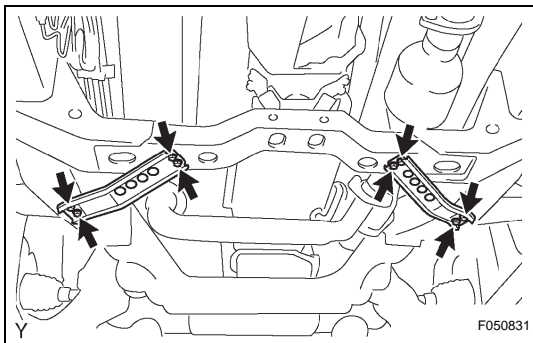
- (a) Install the frame crossmember sub-assembly No. 3 with the 4 bolts and 4 nuts.

Torque: 40 N*m (408 kgf*cm, 30 ft.*lbf)

- (b) Install the frame crossmember sub-assembly No. 3 with the 4 bolts.

Torque: 19 N*m (189 kgf*cm, 14 ft.*lbf)

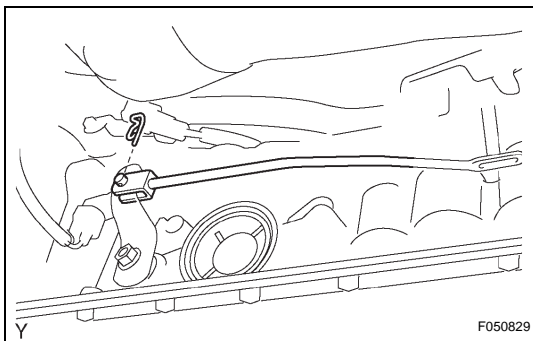
- (c) Connect the heated oxygen sensor connector.



9. INSTALL FRONT SUSPENSION MEMBER BRACKET

- (a) Install the 2 front suspension member brackets with the 8 bolts.

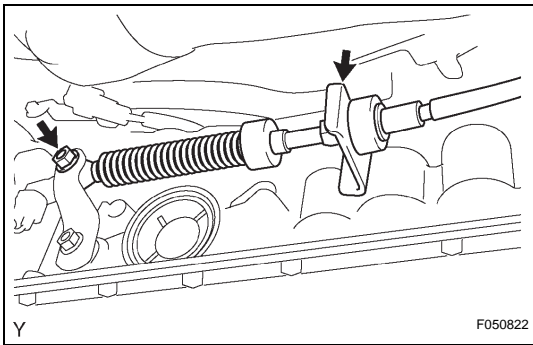
Torque: 33 N*m (336 kgf*cm, 24 ft.*lbf)



10. INSTALL FLOOR SHIFT GEAR SHIFTING ROD SUB-ASSEMBLY

- (a) ROD TYPE:

- (1) Install the floor shift gear shifting rod, then install the clip.

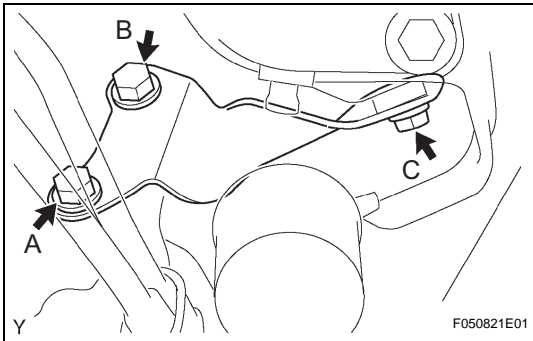


11. CONNECT TRANSMISSION CONTROL CABLE ASSEMBLY

(a) CABLE TYPE:

- (1) Connect the transmission control cable with the clip.
- (2) Connect the transmission control cable with the nut.

Torque: 14 N*m (143 kgf*cm, 10 ft.*lbf)



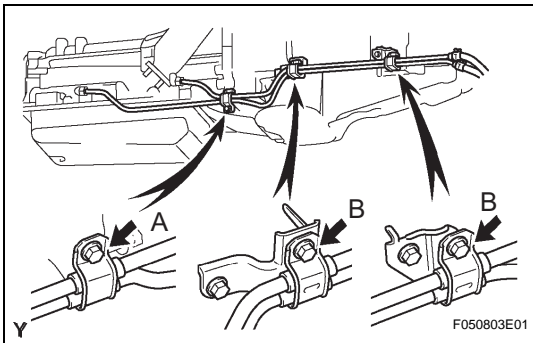
12. INSTALL MANIFOLD STAY

- (a) Install the manifold stay with the 3 bolts.

Torque: 71 N*m (724 kgf*cm, 52 ft.*lbf) for bolt A
44 N*m (449 kgf*cm, 33 ft.*lbf) for bolt B
30 N*m (306 kgf*cm, 22 ft.*lbf) for bolt C

13. INSTALL NO.1 OIL COOLER INLET TUBE

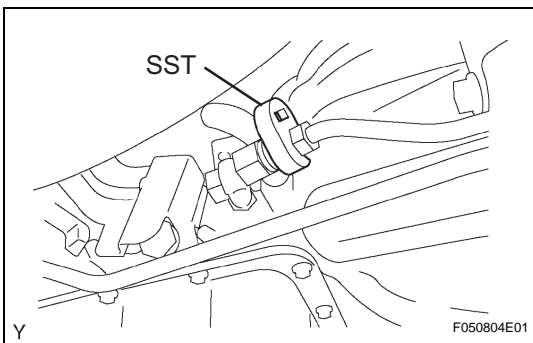
- (a) Provisionally install the oil cooler inlet tube No. 1.
- (b) Provisionally install the oil cooler outlet tube No. 1.



- (c) Install the 3 clamps and 3 bolts.

Torque: 12 N*m (122 kgf*cm, 8.9 ft.*lbf) for bolt A

5.0 N*m (51 kgf*cm, 44 in.*lbf) for bolt B



- (d) Using SST, tighten the oil cooler inlet tube No. 1.

SST 09023-12701

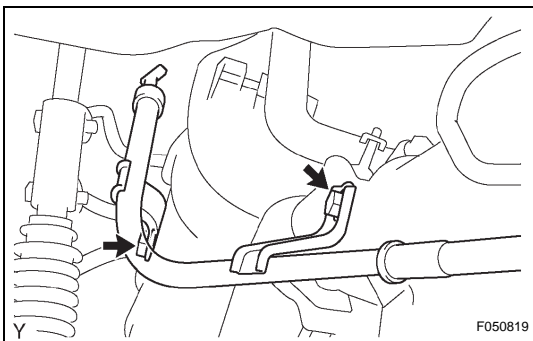
Torque: 34 N*m (350 kgf*cm, 25 ft.*lbf)

14. INSTALL NO.1 OIL COOLER OUTLET TUBE

- (a) Using SST, tighten the oil cooler outlet tube No. 1.

SST 09023-12701

Torque: 34 N*m (350 kgf*cm, 25 ft.*lbf)



15. INSTALL TRANSMISSION OIL FILLER TUBE SUB-ASSEMBLY

- (a) Coat new O-ring with ATF and install it onto the oil filler tube.
- (b) Install the oil filler tube with the 2 bolts.

Torque: 12 N*m (122 kgf*cm, 8.9 ft.*lbf)

16. INSTALL TRANSMISSION OIL LEVEL GAGE SUB-ASSEMBLY

17. **INSTALL PROPELLER WITH CENTER BEARING SHAFT ASSEMBLY (for Except Regular Cab) (See page [PR-32](#))**
18. **INSTALL PROPELLER SHAFT ASSEMBLY (for Regular Cab) (See page [PR-6](#))**
19. **ADJUST SHIFT LEVER POSITION (See page [AT-105](#))**
20. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**
Torque: 3.9 N*m (40 kgf*cm, 35 in.*lbf)
21. **ADD AUTOMATIC TRANSMISSION FLUID**
22. **INSPECT AUTOMATIC TRANSMISSION FLUID (See page [AT-85](#))**
23. **INSPECT SHIFT LEVER POSITION (See page [AT-105](#))**