

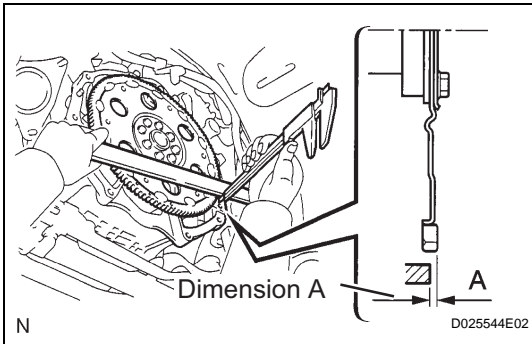
## INSTALLATION

1. **INSTALL TRANSFER ASSEMBLY** (See page [TF-44](#))
2. **INSPECT TORQUE CONVERTER CLUTCH ASSEMBLY** (See page [AT-186](#))
3. **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 engine and the end surface of the drive plate, shown in the illustration.

**Standard:**

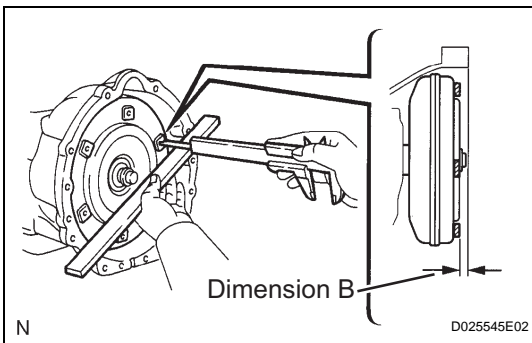
$$A = 21.2 \text{ mm (0.835 in.)}$$



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

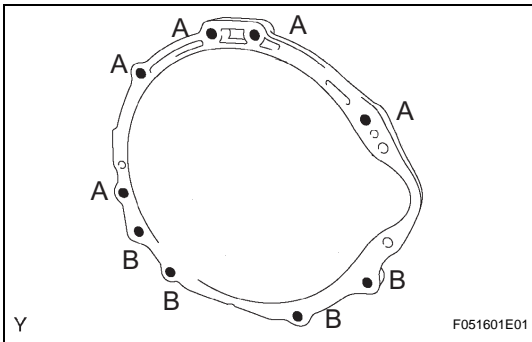
**Standard:**

$$B = A + 1.0 \text{ mm (0.0394 in.) or more}$$

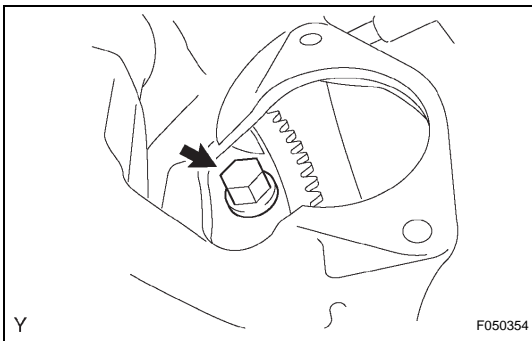


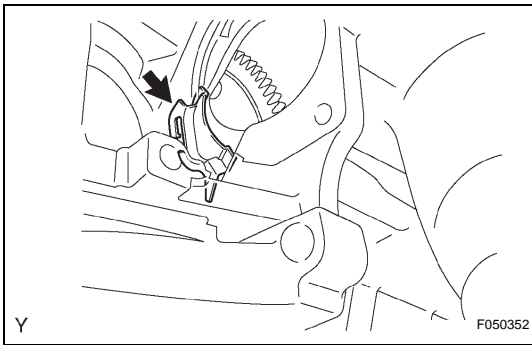
4. **INSTALL AUTOMATIC TRANSMISSION WITH TRANSFER**

- (a) Install the automatic transmission onto the engine with the 9 bolts.
  - Torque: 71 N\*m (720 kgf\*cm, 53 ft.\*lbf) for bolt A**
  - 37 N\*m (380 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.





### 5. INSTALL FLYWHEEL HOUSING SIDE COVER

- (a) Install the flywheel housing side cover onto the cylinder block.

### 6. INSTALL STARTER ASSEMBLY (See page [ST-15](#))

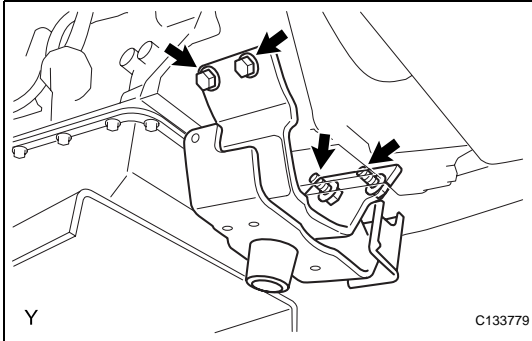
### 7. CONNECT WIRE HARNESS

### 8. CONNECT CONNECTOR

- (a) Connect the 3 indicator switch connectors.  
 (b) Connect the 2 speed sensor connectors.  
 (c) Connect the transmission wire connector.  
 (d) Connect the park/neutral position switch connector.

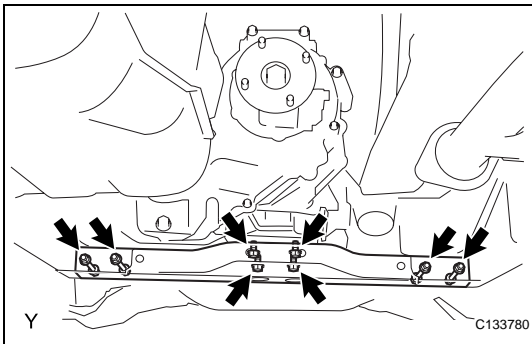
### 9. INSTALL REAR NO.1 ENGINE MOUNTING INSULATOR

- (a) Install the engine mounting insulator rear onto the automatic transmission with the 4 bolts.  
**Torque: 65 N\*m (663 kgf\*cm, 48 ft.\*lbf)**



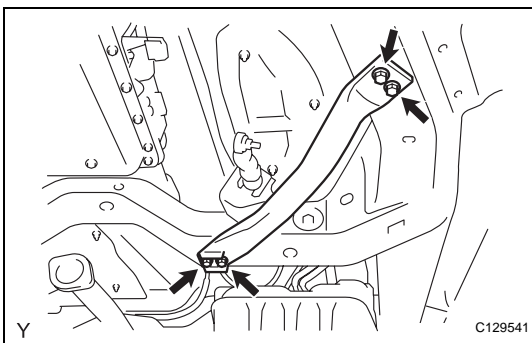
### 10. INSTALL NO. 3 FRAME CROSSMEMBER SUB-ASSEMBLY

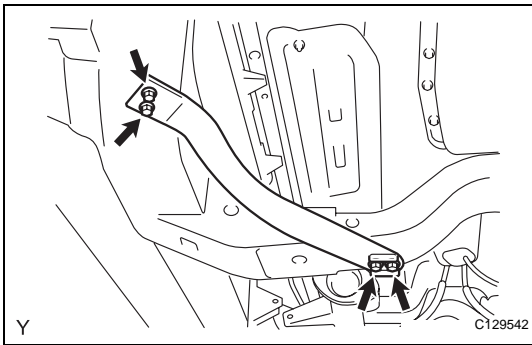
- (a) Install the No. 3 frame crossmember sub-assembly with the 4 bolts and 4 nuts.  
**Torque: 72 N\*m (734 kgf\*cm, 53 ft.\*lbf)**  
 (b) Install the No. 3 frame crossmember sub-assembly with the 4 bolts.  
**Torque: 19 N\*m (189 kgf\*cm, 14 ft.\*lbf)**



### 11. INSTALL FRONT SUSPENSION MEMBER BRACKET LH

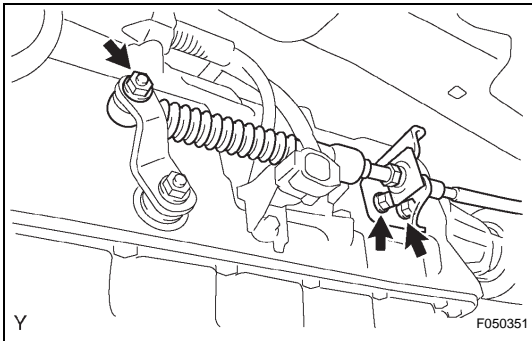
- (a) Install the front suspension member bracket LH with the 4 bolts.  
**Torque: 33 N\*m (336 kgf\*cm, 24 ft.\*lbf)**



**12. INSTALL FRONT SUSPENSION MEMBER BRACKET**

- (a) Install the front suspension member bracket RH with the 4 bolts.

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

**13. INSTALL TRANSMISSION CONTROL CABLE ASSEMBLY**

- (a) Install the transmission control cable bracket with the 2 bolts.

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

- (b) Connect the transmission control cable with the nut.

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

**14. INSTALL OIL COOLER TUBE**

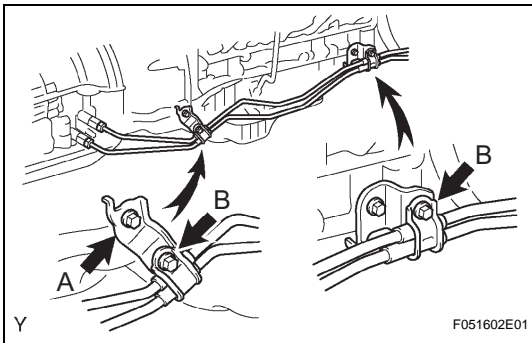
- (a) Provisionally install the No. 1 oil cooler outlet tube.

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

- (c) Install the 2 clamps and 2 bolts.

**Torque: 14 N\*m (138 kgf\*cm, 10 ft.\*lbf) for bolt A**

**5.5 N\*m (56 kgf\*cm, 49 in.\*lbf) for bolt B**



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

**SST 09023-12701**

**Torque: 34 N\*m (350 kgf\*cm, 25 ft.\*lbf) for use without SST**

**30 N\*m (306 kgf\*cm, 22 ft.\*lbf) for use with SST**

**HINT:**

- Use a torque wrench with a fulcrum length of 300 mm (11.81 in.).
- This torque value is effective when SST is parallel to the torque wrench.

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

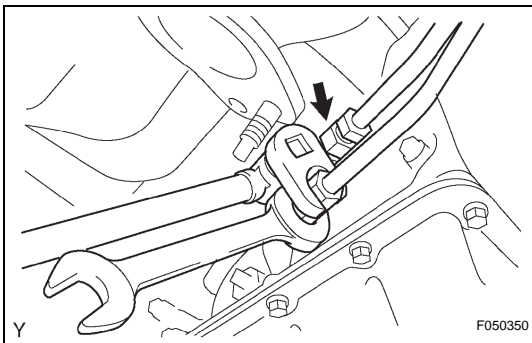
**SST 09023-12701**

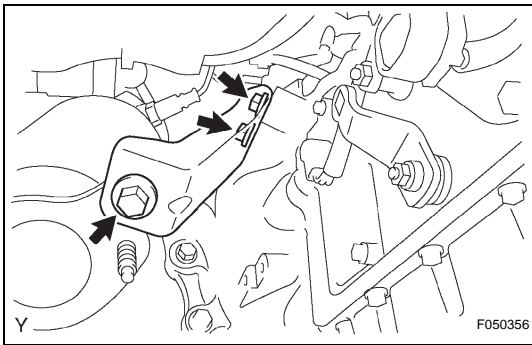
**Torque: 34 N\*m (350 kgf\*cm, 25 ft.\*lbf) for use without SST**

**30 N\*m (306 kgf\*cm, 22 ft.\*lbf) for use with SST**

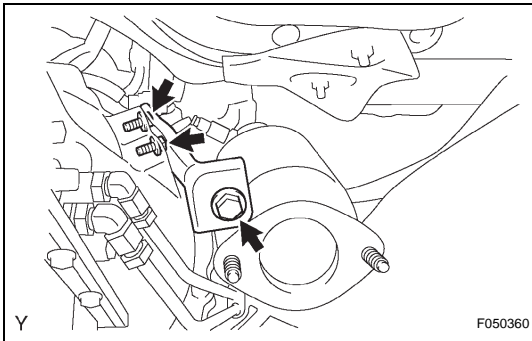
**HINT:**

- Use a torque wrench with a fulcrum length of 300 mm (11.81 in.).
- This torque value is effective when SST is parallel to the torque wrench.

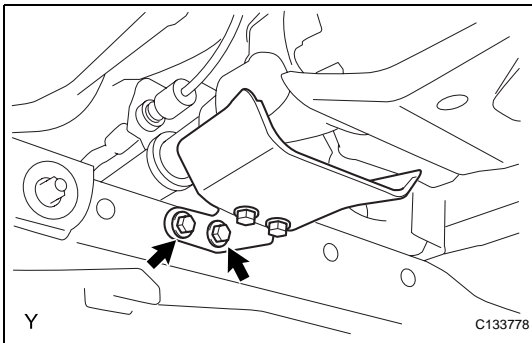


**15. INSTALL NO. 2 MANIFOLD STAY**

- (a) Install No. 2 manifold stay with the 3 bolts.  
Torque: 40 N\*m (408 kgf\*cm, 30 ft.\*lbf)

**16. INSTALL MANIFOLD STAY**

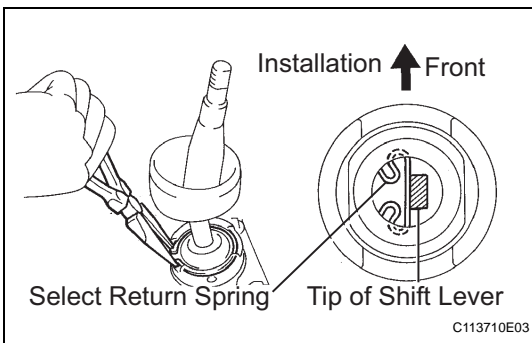
- (a) Install the manifold stay with the 3 bolts.  
Torque: 40 N\*m (408 kgf\*cm, 30 ft.\*lbf)

**17. INSTALL PROPELLER SHAFT ASSEMBLY (See page PR-14)****18. INSTALL FRONT PROPELLER SHAFT ASSEMBLY (See page PR-6)****19. INSTALL PROPELLER SHAFT HEAT INSULATOR**

- (a) Install the propeller shaft heat insulator with the 2 bolts.  
Torque: 16 N\*m (160 kgf\*cm, 12 ft.\*lbf)

**20. INSTALL FRONT EXHAUST PIPE ASSEMBLY (See page EX-4)****21. INSTALL NO. 2 EXHAUST FRONT PIPE ASSEMBLY (See page EX-5)****22. CONNECT OXYGEN SENSOR****23. INSTALL TRANSFER HIGH AND LOW SHIFT LEVER ASSEMBLY**

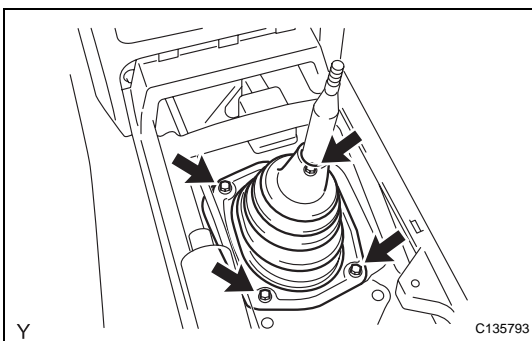
- (a) Install the transfer shift lever onto the shift lever retainer.  
(b) Using needle-nose pliers, install the snap ring.

**24. INSTALL SHIFT LEVER BOOT ASSEMBLY**

- (a) Install the shift lever boot with the 4 screws.

**25. INSTALL SHIFT LEVER KNOB SUB-ASSEMBLY (for Transfer)****26. INSTALL SHIFT LEVER ASSEMBLY (for Automatic Transmission)**

- (See page AT-173)



27. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**  
Torque: 3.9 N\*m (40 kgf\*cm, 35 in.\*lbf)
28. **PERFORM INITIALIZATION**  
(See page [AT-19](#))
29. **ADJUST AUTOMATIC TRANSMISSION FLUID**  
(See page [AT-147](#))
30. **INSPECT SHIFT LEVER POSITION** (See page [AT-171](#))
31. **ADJUST SHIFT LEVER POSITION** (See page [AT-172](#))
32. **CHECK FOR EXHAUST GAS LEAKAGE**
33. **INSTALL REAR ENGINE UNDER COVER ASSEMBLY**
34. **INSTALL NO. 1 ENGINE UNDER COVER SUB-ASSEMBLY**