

## INSTALLATION

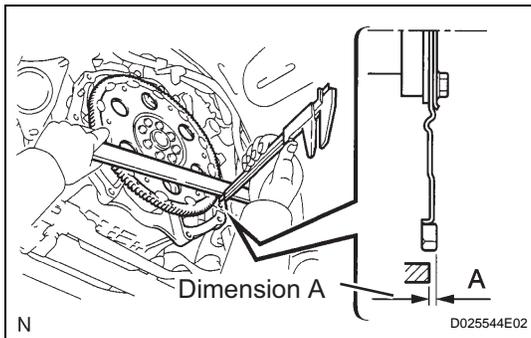
### 1. INSPECT TORQUE CONVERTER CLUTCH ASSEMBLY (See page AT-179)

### 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 engine and the end surface of the drive plate, as shown in the illustration.

**Standard:**

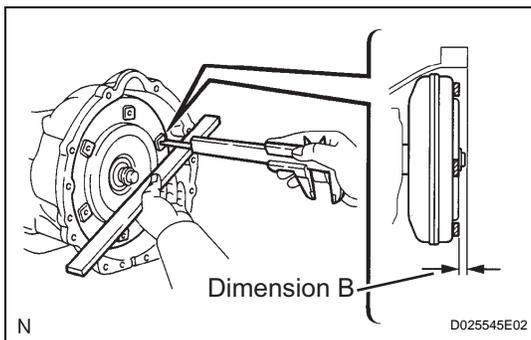
$$A = 21.2 \text{ mm (0.835 in.)}$$



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

**Standard:**

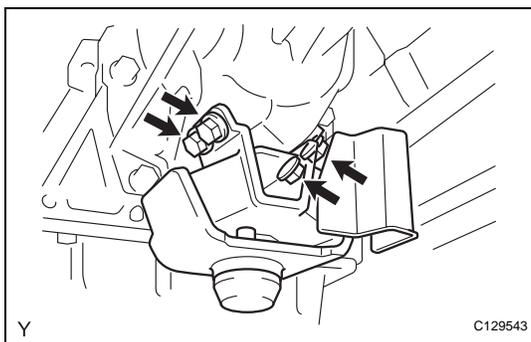
$$B = A + 1.0 \text{ mm (0.0394 in.) or more}$$



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

- (a) Install the engine mounting insulator rear onto the automatic transmission with the 4 bolts.

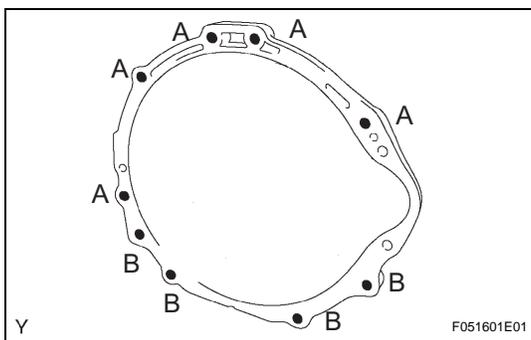
**Torque: 65 N\*m (663 kgf\*cm, 48 ft.\*lbf)**

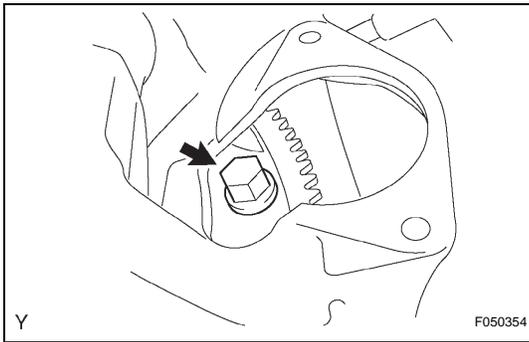


### 4. INSTALL AUTOMATIC TRANSMISSION ASSEMBLY

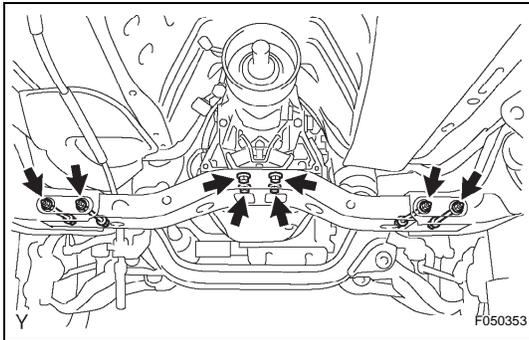
- (a) Install the automatic transmission onto the engine with the 9 bolts.

**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**



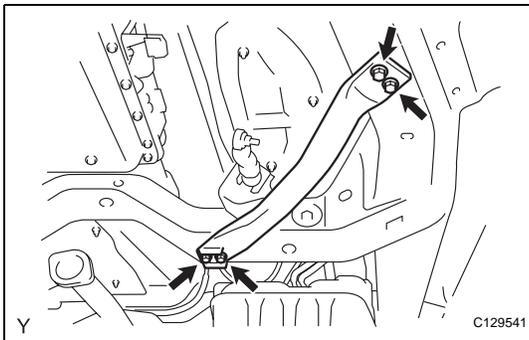


- (b) Install the 6 torque converter clutch mounting bolts.  
**Torque: 48 N\*m (489 kgf\*cm, 35 ft.\*lbf)**  
**HINT:**  
 First install the black bolt and then the other 5 bolts.



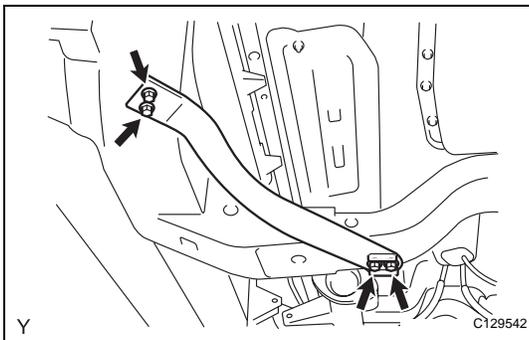
#### 5. INSTALL NO.3 FRAME CROSSMEMBER SUB-ASSEMBLY

- (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)**



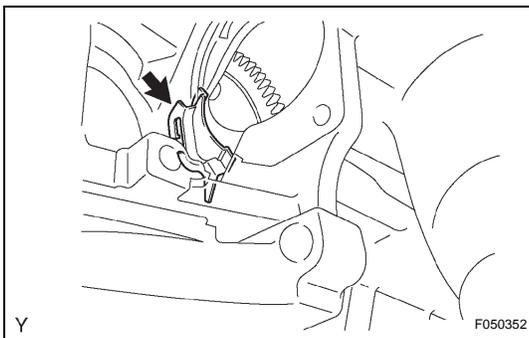
#### 6. INSTALL FRONT SUSPENSION MEMBER BRACKET LH

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



#### 7. INSTALL FRONT SUSPENSION MEMBER BRACKET RH

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



#### 8. INSTALL FLYWHEEL HOUSING SIDE COVER

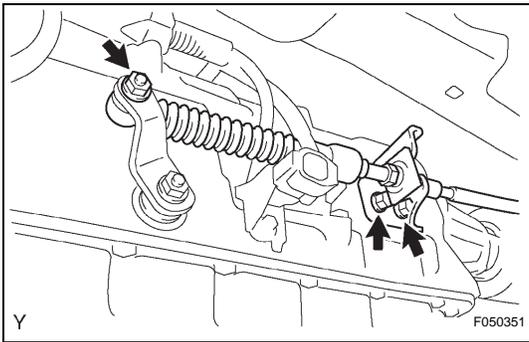
- (a) Install the flywheel housing side cover onto the cylinder block.

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

#### 10. CONNECT WIRE HARNESS

#### 11. CONNECT CONNECTOR

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

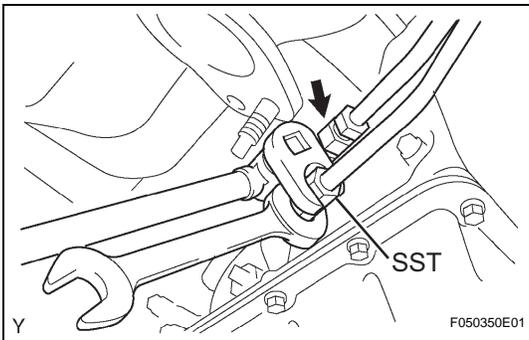
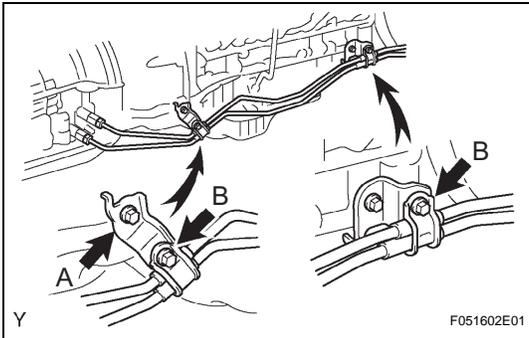


## 12. INSTALL TRANSMISSION CONTROL CABLE ASSEMBLY

- Install the transmission control cable bracket with the 2 bolts.  
**Torque: 14 N\*m (143 kgf\*cm, 10 ft.\*lbf)**
- Connect the transmission control cable with the nut.  
**Torque: 14 N\*m (143 kgf\*cm, 10 ft.\*lbf)**

## 13. INSTALL OIL COOLER TUBE

- Provisionally install the No. 1 oil cooler outlet tube.
- Provisionally install the No. 1 oil cooler inlet tube.
- Install the 2 clamps and 3 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**



- 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.

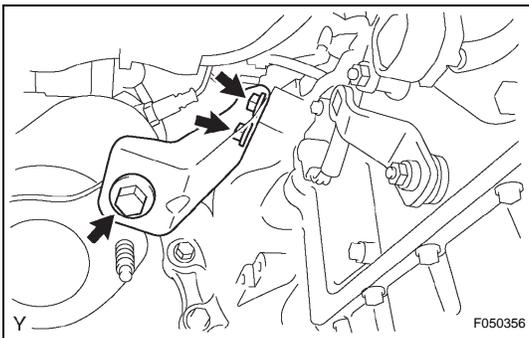
- Using SST, tighten the No. 1 oil cooler inlet tube.  
**SST 09023-12701**  
**Torque: 34 N\*m (350 kgf\*cm, 25 ft.\*lbf) for use without SST**  
**30 N\*m (306 kgf\*cm, 22 ft.\*lbf) for use with SST**

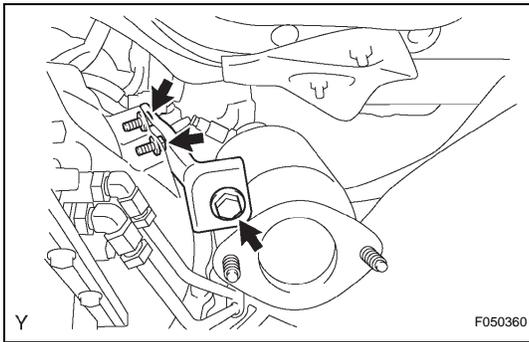
### HINT:

- 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.

## 14. INSTALL NO.2 MANIFOLD STAY

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





15. **INSTALL MANIFOLD STAY**
  - (a) Install the manifold stay with the 3 bolts.  
Torque: 40 N\*m (408 kgf\*cm, 30 ft.\*lbf)
16. **INSTALL PROPELLER SHAFT ASSEMBLY** (See page [PR-14](#))
17. **INSTALL FRONT EXHAUST PIPE ASSEMBLY** (See page [EX-4](#))
18. **INSTALL NO. 2 EXHAUST FRONT PIPE ASSEMBLY** (See page [EX-5](#))
19. **INSTALL OXYGEN SENSOR**
20. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**  
Torque: 3.9 N\*m (40 kgf\*cm, 35 in.\*lbf)
21. **PERFORM INITIALIZATION**  
(See page [AT-19](#))
22. **ADJUST AUTOMATIC TRANSMISSION FLUID**  
(See page [AT-140](#))
23. **INSPECT SHIFT LEVER POSITION** (See page [AT-166](#))
24. **ADJUST SHIFT LEVER POSITION** (See page [AT-167](#))
25. **CHECK FOR EXHAUST GAS LEAKAGE**
26. **INSTALL REAR ENGINE UNDER COVER ASSEMBLY**
27. **INSTALL NO. 1 ENGINE UNDER COVER SUB-ASSEMBLY**