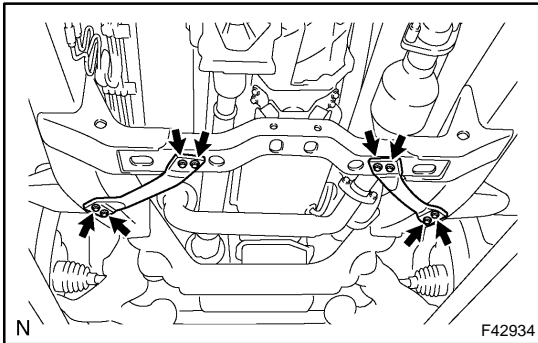


## REPLACEMENT

1. REMOVE ENGINE UNDER COVER SUB-ASSY NO.1
2. REMOVE ENGINE UNDER COVER ASSY REAR
3. DISCONNECT OXYGEN SENSOR(See page 15-1 )
4. REMOVE EXHAUST PIPE ASSY(See page 15-1 )
5. REMOVE PROPELLER SHAFT ASSY FRONT(See Pub. No. RM 1001U, page 30-4)
6. REMOVE PROPELLER SHAFT ASSY(See Pub. No. RM 1001U, page 30-11)
7. DRAIN AUTOMATIC TRANSMISSION FLUID
  - (a) Remove the drain plug, gasket and drain ATF.
  - (b) Install a new gasket and drain plug.

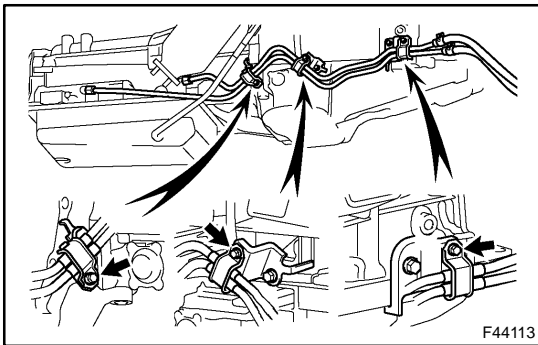
**Torque: 20 N·m (205 kgf·cm, 15 ft·lbf)**
8. REMOVE PROPELLER SHAFT HEAT INSULATOR
  - (a) Remove the 2 bolts and propeller shaft heat insulator.



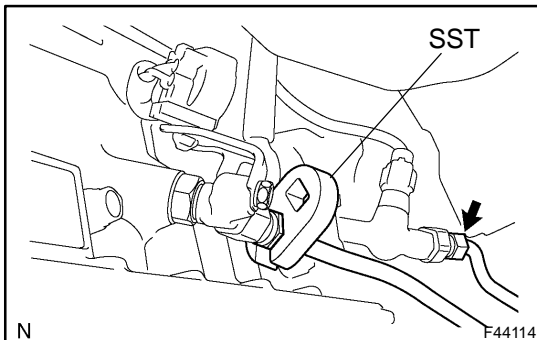
9. REMOVE FRONT SUSPENSION MEMBER BRACKET
  - (a) Remove the 4 bolts and front suspension member bracket.
10. REMOVE FRONT SUSPENSION MEMBER BRACKET LH
  - (a) Remove the 4 bolts and front suspension member bracket LH.

### 11. REMOVE TRANSMISSION OIL FILLER TUBE SUB-ASSY

- (a) Remove the ATF level gauge.
- (b) Remove the bolt and oil filler tube.
- (c) Remove the O-ring from the oil filler tube.



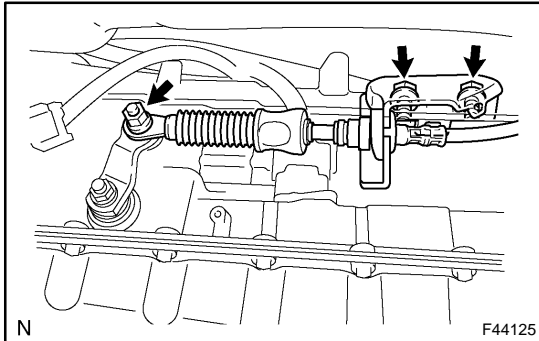
12. DISCONNECT OIL COOLER OUTLET TUBE NO.1
  - (a) Remove the 3 bolts and 3 clamps.



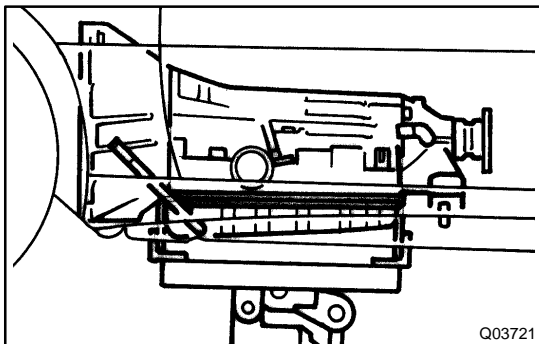
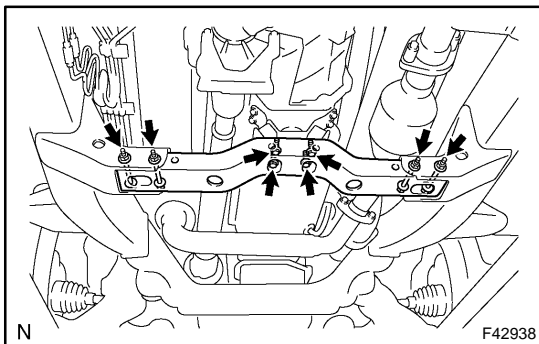
- (b) Using SST, disconnect the oil cooler outlet tube No.1.  
SST 09023-12700

**13. REMOVE OIL COOLER INLET TUBE NO.1**

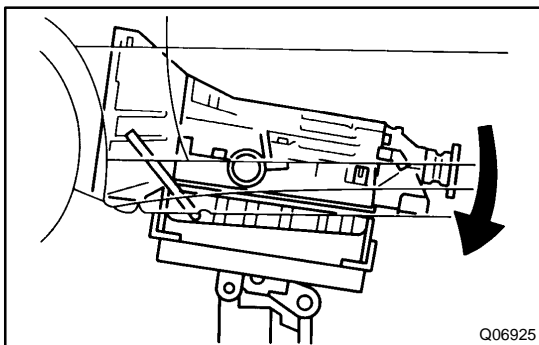
- (a) Using SST, disconnect the oil cooler inlet tube No.1.  
SST 09023-12700

**14. DISCONNECT TRANSMISSION CONTROL CABLE ASSY**

- (a) Remove the nut and disconnect the transmission control cable.  
(b) Remove the lock plate and disconnect the transmission control cable.

**15. REMOVE TRANSMISSION CONTROL CABLE BRACKET NO.1****16. SUPPORT AUTOMATIC TRANSMISSION ASSY****17. REMOVE FRAME CROSSMEMBER SUB-ASSY NO.3**

- (a) Remove the 4 bolts on the frame crossmember sub-assy No.3.  
(b) Remove the 4 nuts, 4 bolts and frame crossmember sub-assy No.3.

**18. DISCONNECT CONNECTOR**

- (a) Tilt down the transmission.

**NOTICE:**

**Take care so that the cooling fan does not come in contact with the fan shroud.**

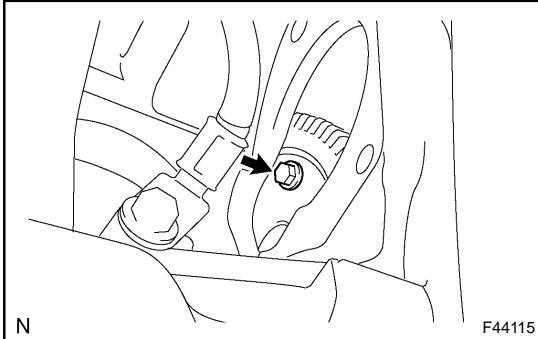
- (b) Disconnect the park/neutral position switch connector.  
(c) Disconnect the transmission wire connector.  
(d) Disconnect the 2 speed sensor connectors.

**19. DISCONNECT WIRE HARNESS****20. REMOVE STARTER ASSY(See page 19-5 )****21. REMOVE MANIFOLD STAY**

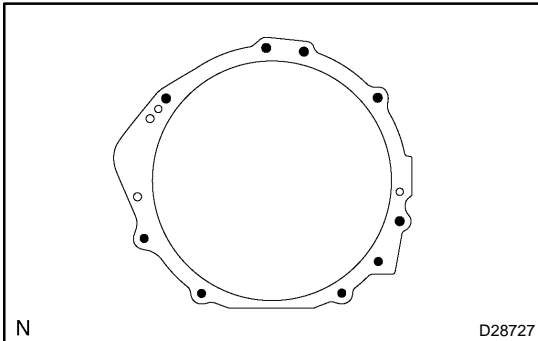
- (a) Remove the 3 bolts and manifold stay.

**22. REMOVE MANIFOLD STAY NO.2**

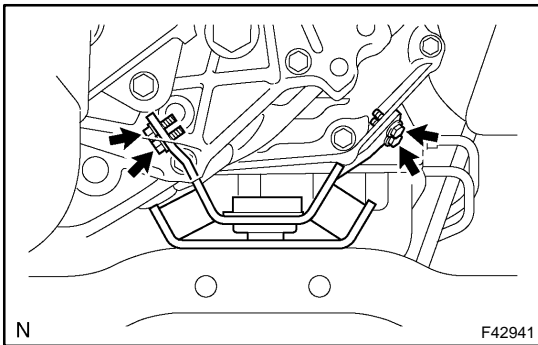
- (a) Remove the 3 bolts and manifold stay No.2.

**23. DISCONNECT FRONT DIFFERENTIAL ASSY(See page 29-3 )****24. REMOVE TRANSMISSION ASSY**

- (a) Turn the crankshaft to gain access to each bolt.  
 (b) Hold the crankshaft pulley nut with a wrench and remove the 6 bolts.

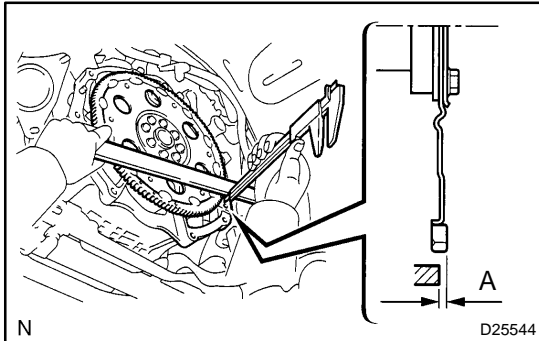


- (c) Remove the 9 bolts.  
 (d) Separate and remove the automatic transmission.

**25. REMOVE TRANSFER ASSY(See page 31-9 )****26. REMOVE ENGINE MOUNTING INSULATOR REAR NO.1****27. REMOVE TORQUE CONVERTER CLUTCH ASSY****28. INSPECT TORQUE CONVERTER CLUTCH ASSY**

**29. INSTALL TORQUE CONVERTER CLUTCH ASSY**

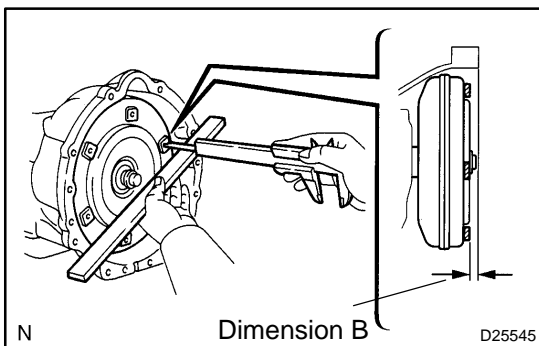
- (a) Install the torque converter clutch to the automatic transmission.



- (b) Using calipers and a straight edge, measure dimension A between the transmission and the end surface of the drive plate.

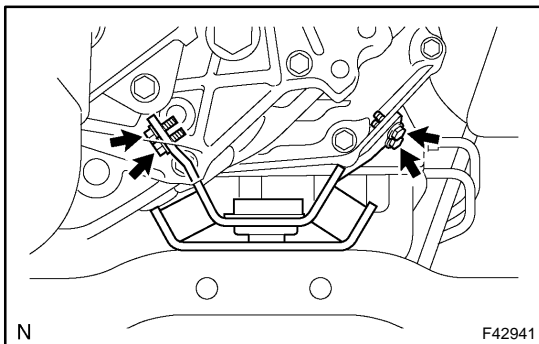
**Standard:**

**A: 22.28 mm (0.8772 in.)**



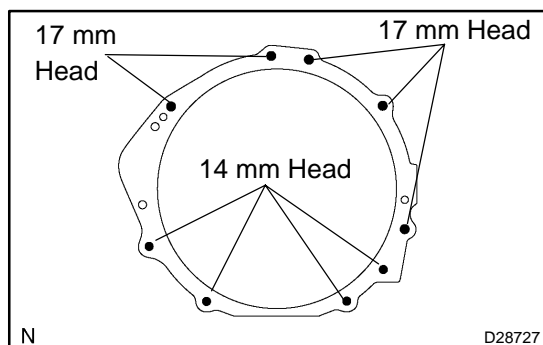
- (c) Using calipers and a straight edge, measure the dimension B shown in the illustration and check that B is greater than A measured in (b).

**Standard: A + 1 mm (0.03937 in.) or more**

**30. INSTALL ENGINE MOUNTING INSULATOR REAR NO.1**

- (a) Install the engine mounting insulator rear and 4 bolts to the automatic transmission.

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

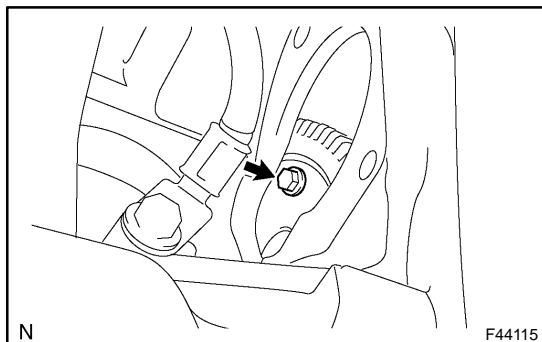
**31. INSTALL TRANSFER ASSY(See page 31-9 )****32. INSTALL TRANSMISSION ASSY**

- (a) Install the automatic transmission and 9 bolts to the engine.

**Torque:**

**17 mm head: 71 N·m (720 kgf·cm, 53 ft·lbf)**

**14 mm head: 37 N·m (380 kgf·cm, 27 ft·lbf)**



- (b) Install the 6 torque converter clutch mounting bolts.  
**Torque: 48 N·m (490 kgf·cm, 35 ft·lbf)**

HINT:

First install black colored bolt and then the 5 bolts.

### 33. CONNECT FRONT DIFFERENTIAL ASSY(See page 29-3 )

### 34. INSTALL MANIFOLD STAY NO.2

- (a) Install the manifold stay No.2 with 3 bolts.

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

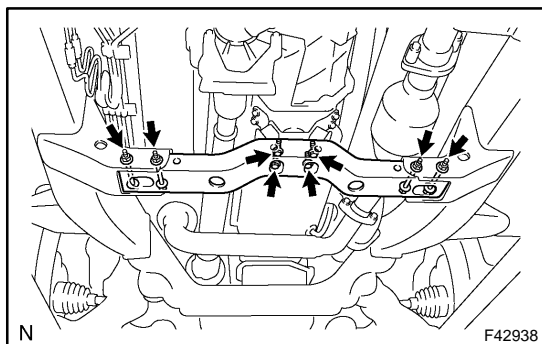
### 35. INSTALL MANIFOLD STAY

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

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

### 36. INSTALL STARTER ASSY(See page 19-5 )

### 37. INSTALL WIRE HARNESS



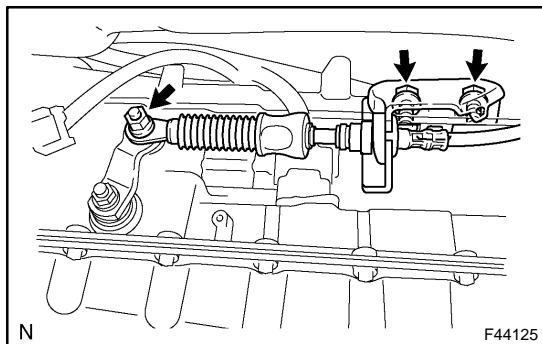
### 38. INSTALL FRAME CROSSMEMBER SUB-ASSY NO.3

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

**Torque: 72 N·m (735 kgf·cm, 53 ft·lbf)**

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

**Torque: 18 N·m (184 kgf·cm, 13 ft·lbf)**



### 39. INSTALL TRANSMISSION CONTROL CABLE BRACKET NO.1

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

**Torque: 25 N·m (255 kgf·cm, 18 ft·lbf)**

### 40. CONNECT TRANSMISSION CONTROL CABLE ASSY

- (a) Connect the transmission control cable with lock plate.

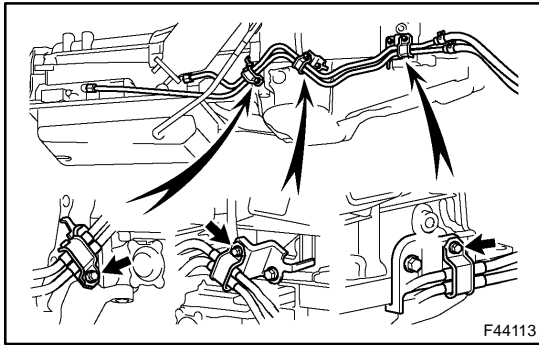
- (b) Connect the transmission control cable with nut.

**Torque: 12 N·m (122 kgf·cm, 9 ft·lbf)**

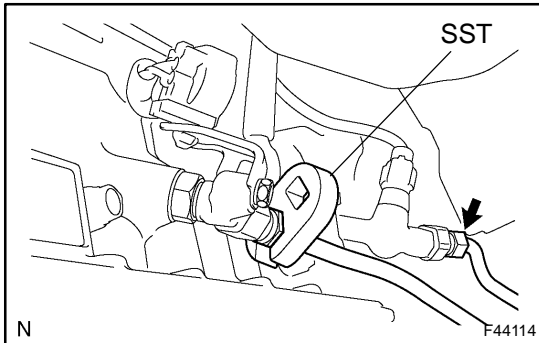
### 41. INSTALL OIL COOLER OUTLET TUBE NO.1

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

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



- (c) Install the 3 clamps and 3 bolts.  
**Torque: 5 N·m (50 kgf·cm, 43 in·lbf)**



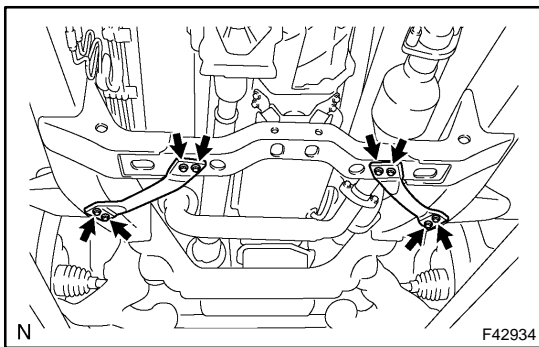
- (d) Using SST, tighten the oil cooler outlet tube No.1.  
 SST 09023-12700  
**Torque: 34 N·m (346 kgf·cm, 25 ft·lbf)**

#### 42. INSTALL OIL COOLER INLET TUBE NO.1

- (a) Using SST, tighten the oil cooler inlet tube No.1.  
 SST 09023-12700  
**Torque: 34 N·m (346 kgf·cm, 25 ft·lbf)**

#### 43. INSTALL TRANSMISSION OIL FILLER TUBE SUB-ASSY

- (a) Coat a new O-ring with ATF, and install them to the oil filler tube.  
 (b) Install the oil filler tube and bolt to the automatic transmission.  
**Torque: 12 N·m (122 kgf·cm, 9 ft·lbf)**  
 (c) Install the ATF level gauge.



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

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

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

#### 45. INSTALL FRONT SUSPENSION MEMBER BRACKET

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

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

#### 46. INSTALL PROPELLER SHAFT HEAT INSULATOR

- (a) Install the propeller shaft heat insulator with 2 bolts.  
**Torque: 16 N·m (163 kgf·cm, 12 ft·lbf)**

#### 47. INSTALL PROPELLER SHAFT ASSY(See Pub. No. RM 1001U, page 30-11)

#### 48. INSTALL PROPELLER SHAFT ASSY FRONT(See Pub. No. RM 1001U, page 30-4)

#### 49. ADJUST SHIFT LEVER POSITION(See Pub. No. RM 1001U, page 40-39)

#### 50. INSTALL EXHAUST PIPE ASSY(See page 15-1 )

#### 51. INSTALL OXYGEN SENSOR(See page 15-1 )

#### 52. INSTALL ENGINE UNDER COVER SUB-ASSY NO.1

**Torque: 29 N·m (296 kgf·cm, 21 ft·lbf)**

- 53. **INSTALL ENGINE UNDER COVER ASSY REAR**  
Torque: 29 N·m (296 kgf·cm, 21 ft·lbf)
- 54. **ADD AUTOMATIC TRANSMISSION FLUID**
- 55. **INSPECT AUTOMATIC TRANSMISSION FLUID**(See Pub. No. RM 1001U, page 40-2)
- 56. **INSPECT SHIFT LEVER POSITION**(See Pub. No. RM 1001U, page 40-39)
- 57. **CHECK FOR EXHAUST GAS LEAKS**