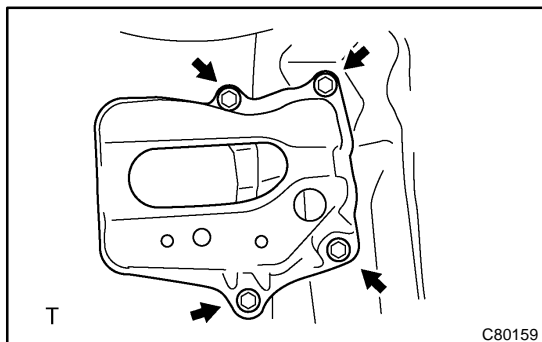


## REPLACEMENT

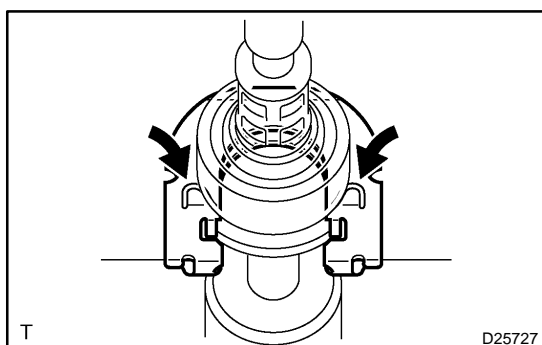
1. REMOVE HOOD SUB-ASSY
2. REMOVE CYLINDER HEAD COVER NO.2
3. REMOVE BATTERY



### 4. REMOVE BATTERY CARRIER

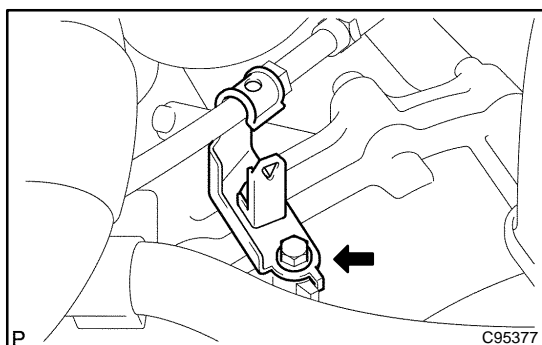
- (a) Remove the 4 bolts and battery carrier.

### 5. REMOVE AIR CLEANER ASSEMBLY WITH HOSE



### 6. DISCONNECT FLOOR SHIFT CABLE TRANSMISSION CONTROL SHIFT

- (a) Remove the nut from the control shaft lever.
- (b) Disconnect the control cable from the control shaft lever.
- (c) Push the claw of the clip and disconnect the control cable from the bracket.
- (d) Remove the clip from the bracket.

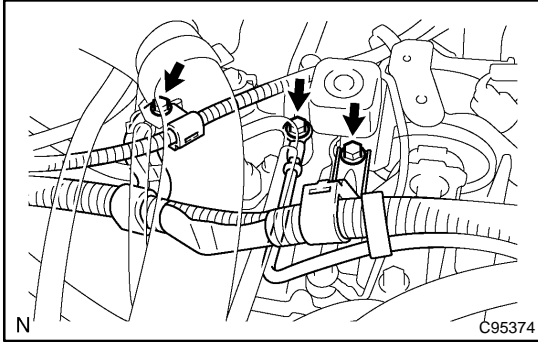


### 7. REMOVE TRANSMISSION CONTROL CABLE SUPPORT

- (a) Disconnect the control cable from the control cable support.
- (b) Remove the bolt and control cable support.

### 8. REMOVE TRANSMISSION CONTROL CABLE BRACKET NO.1

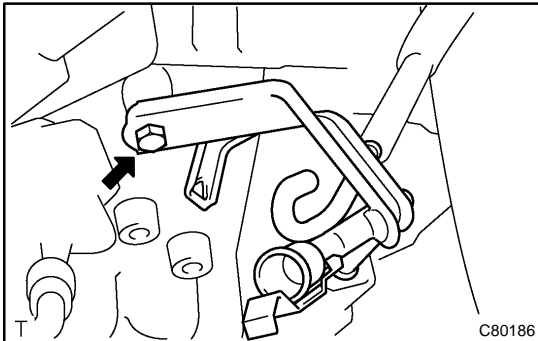
- (a) Remove the 2 bolts and control cable bracket.

**9. DISCONNECT WIRE HARNESS**

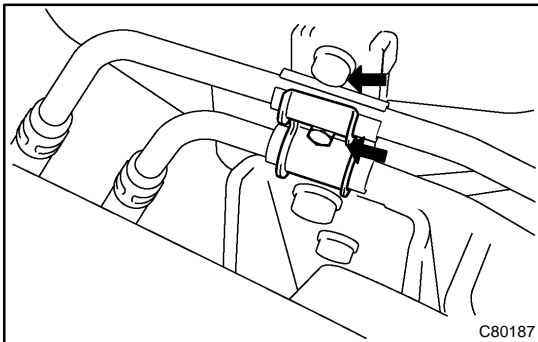
- (a) Remove the bolt and disconnect the wire harness.
- (b) Remove the 2 bolts and disconnect the 2 wire harness clamp brackets.

**10. DISCONNECT CONNECTOR**

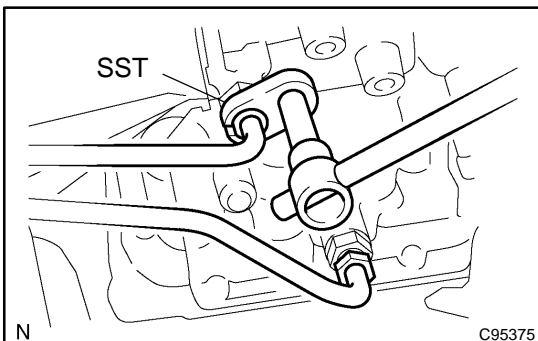
- (a) Disconnect the transmission wire connector.
- (b) Disconnect the park/neutral position switch connector.
- (c) Disconnect the 2 transmission revolution sensor connectors.

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

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

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

- (a) Remove the 2 bolts and oil tube clamp.



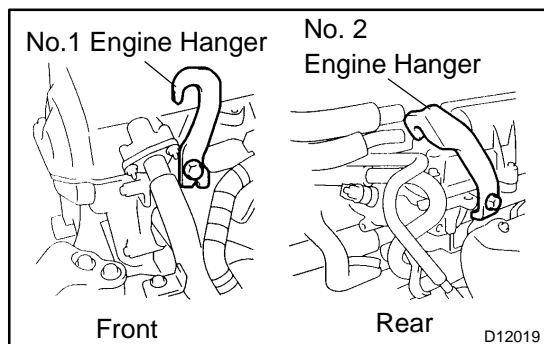
- (b) Using SST, disconnect the oil cooler inlet tube No. 1.  
SST 09023-12700

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

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

**14. DISCONNECT OXYGEN SENSOR CONNECTOR**

- (a) Remove the foot rest.
- (b) Pull up the floor carpet.
- (c) Disconnect the oxygen sensor connector.

**15. SUSPEND ENGINE ASSY**

- (a) Disconnect the 2 PCV hoses.
- (b) Install the No.1 and No.2 engine hangers in the correct direction.

**Parts No.:****No.1 engine hanger: 12281-88600****No.2 engine hanger: 12282-88600****Bolt: 91512-61020****Torque: 38 N·m (387 kgf·cm, 28 ft·lbf)**

- (c) Attach the engine chain hoist to the engine hangers.

**CAUTION:**

**Do not attempt to hang the engine by hooking the chain to any other parts.**

**16. REMOVE FRONT WHEELS****17. REMOVE ENGINE UNDER COVER RH****18. REMOVE ENGINE UNDER COVER LH****19. DRAIN AUTOMATIC TRANSAXLE FLUID**

- (a) Remove the drain plug and gasket, and drain ATF.
- (b) Install a new gasket and drain plug.

**Torque: 49 N·m (500 kgf·cm, 36 ft·lbf)****20. REMOVE FLOOR PANEL BRACE FRONT (See page 15-9)****21. REMOVE EXHAUST PIPE ASSY FRONT (See page 15-9)****22. REMOVE FRONT DRIVE SHAFT ASSY RH (See page 30-32)**

SST 09520-01010, 09520-24010 (09520-32040)

**23. REMOVE FRONT DRIVE SHAFT ASSY LH (See page 30-32)**

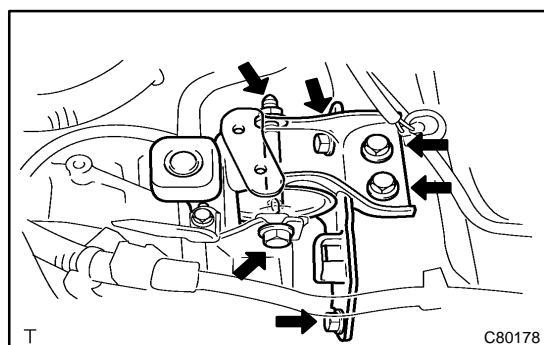
SST 09520-01010, 09520-24010 (09520-32040)

**24. REMOVE STARTER ASSY**

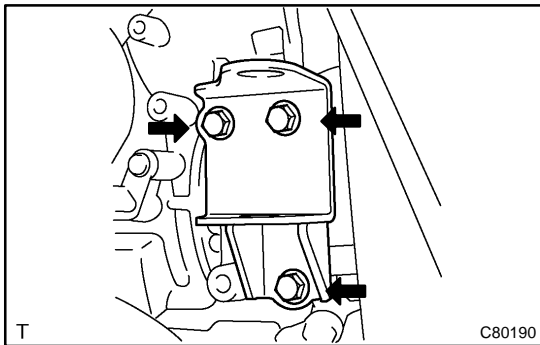
- (a) Remove the nut and disconnect the starter wire.
- (b) Disconnect the connector.
- (c) Remove the 2 bolts and starter.

**25. SUPPORT AUTOMATIC TRANSAXLE ASSY**

- (a) Support the automatic transaxle with a transmission jack.

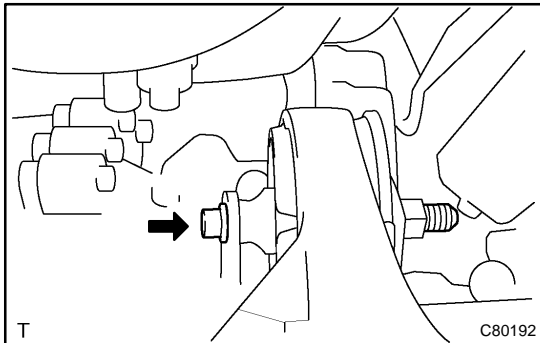
**26. REMOVE TRANSVERSE ENGINE ENGINE MOUNTING INSULATOR**

- (a) Remove the 5 bolts, nut and engine mounting insulator LH.



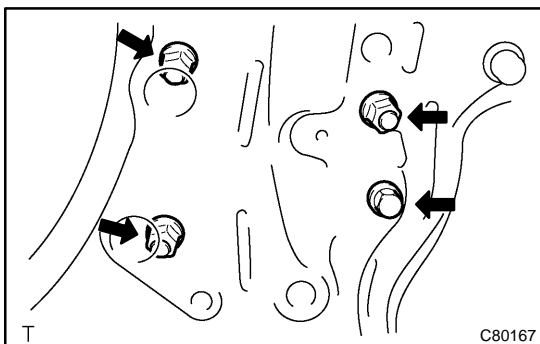
### 27. REMOVE TRANSVERSE ENGINE ENGINE MOUNTING BRACKET

- (a) Remove the 3 bolts and engine mounting bracket LH.

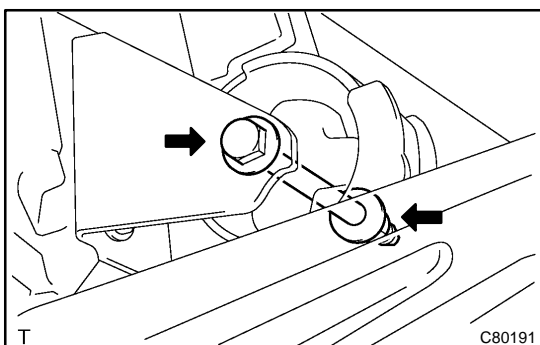


### 28. REMOVE TRANSVERSE ENGINE ENGINE MOUNTING INSULATOR

- (a) Remove the bolt from the engine mounting bracket RR.

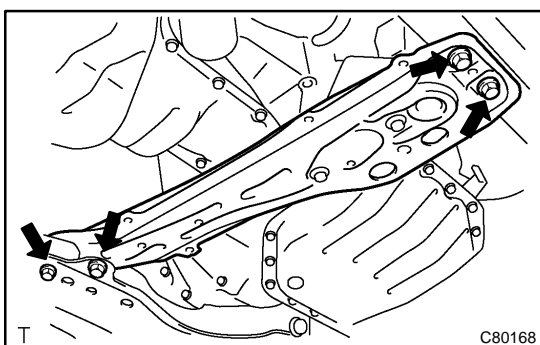


- (b) Remove the 3 nuts, bolt and engine mounting insulator RR from the suspension member.



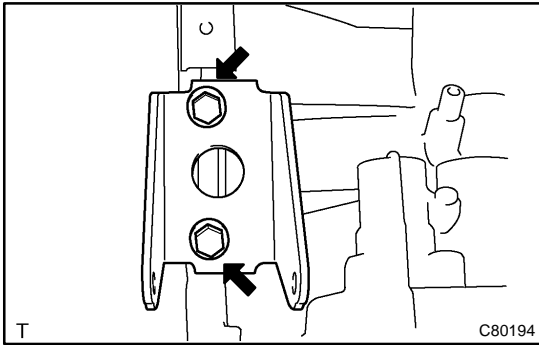
### 29. SEPARATE TRANSVERSE ENGINE ENGINE MOUNTING INSULATOR

- (a) Remove the bolt and nut from the engine mounting bracket FR.



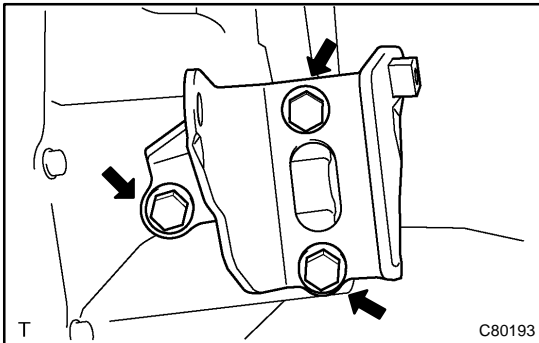
### 30. REMOVE ENGINE MOUNTING MEMBER SUB-ASSY CENTER

- (a) Remove the 4 bolts and member sub-assy center with engine mounting insulator FR.



**31. REMOVE TRANSVERSE ENGINE ENGINE MOUNTING BRACKET**

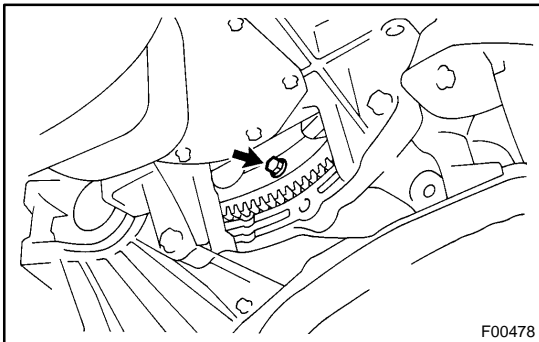
- (a) Remove the 2 bolts and engine mounting bracket FR.



**32. REMOVE TRANSVERSE ENGINE ENGINE MOUNTING BRACKET**

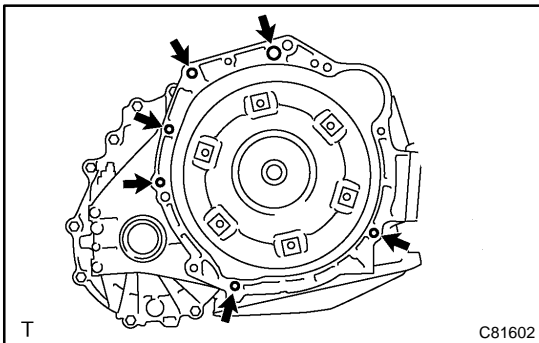
- (a) Remove the 3 bolts and engine mounting bracket RR.

**33. REMOVE FLYWHEEL HOUSING UNDER COVER**



**34. REMOVE AUTOMATIC TRANSAXLE ASSY**

- (a) Turn the crankshaft to gain access and remove the 6 bolts while holding the crankshaft pulley bolt with a wrench.



- (b) Remove the 6 bolts.
- (c) Separate and remove the automatic transaxle.

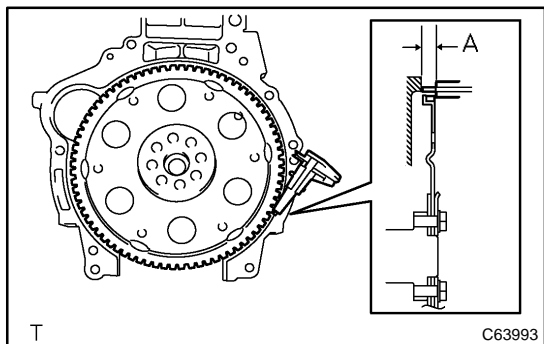
**35. REMOVE TORQUE CONVERTER CLUTCH ASSY**

**36. INSPECT TORQUE CONVERTER CLUTCH ASSY (See page 40-43)**

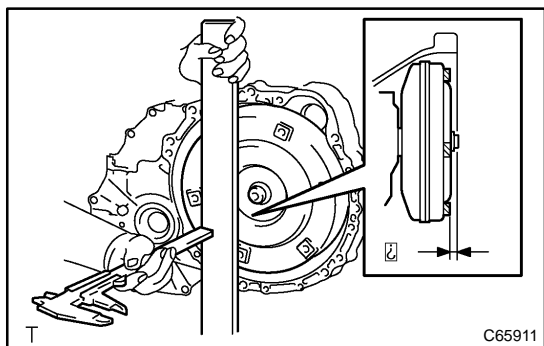
SST 09350-32014 (09351-32010, 09351-32020)

**37. INSTALL TORQUE CONVERTER CLUTCH ASSY**

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



(b) Using vernier calipers, measure the dimension "A" between the transaxle fitting part and the converter fitting part of the drive plate.



(c) Using vernier 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 or more**

**NOTICE:**

**Do not add the thickness of straight edge.**

**38. INSTALL AUTOMATIC TRANSAXLE ASSY**

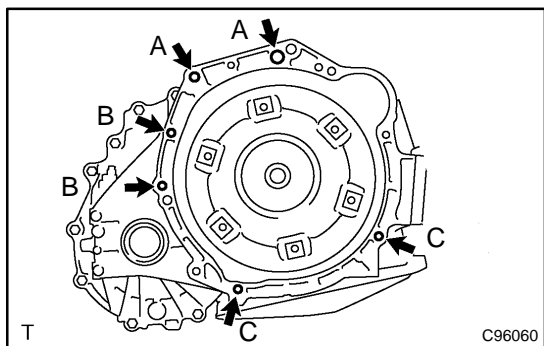
(a) Install the automatic transaxle and 6 bolts to the engine.

**Torque:**

**Bolt A: 64 N·m (650 kgf·cm, 47 ft·lbf)**

**Bolt B: 46 N·m (470 kgf·cm, 34 ft·lbf)**

**Bolt C: 23 N·m (235 kgf·cm, 17 ft·lbf)**

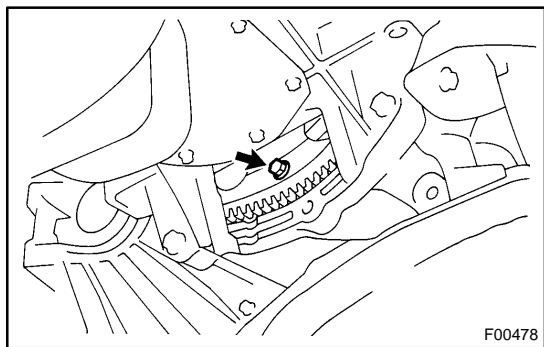


(b) Install the 6 torque converter mounting bolts.

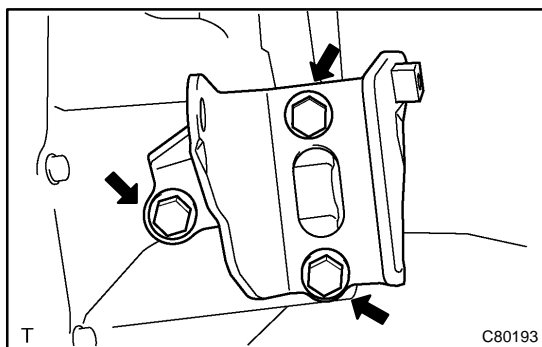
**Torque: 41 N·m (418 kgf·cm, 30 ft·lbf)**

**HINT:**

First install yellowish green colored bolt and then the 5 bolts.

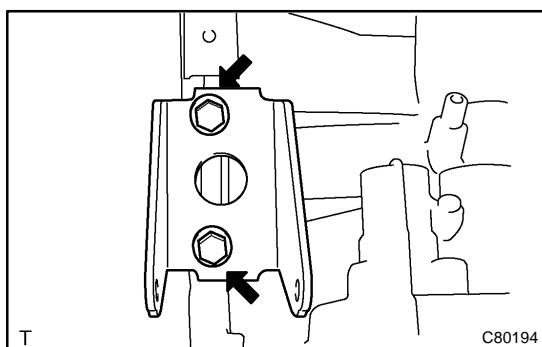


**39. INSTALL FLYWHEEL HOUSING UNDER COVER**



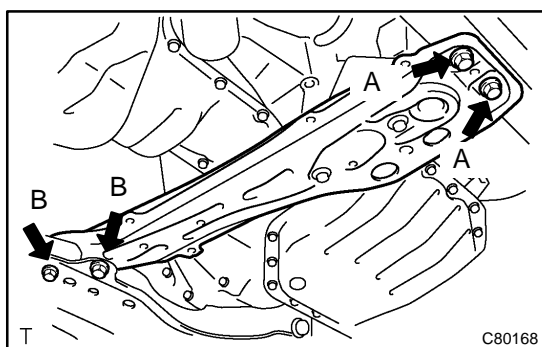
#### 40. INSTALL TRANSVERSE ENGINE ENGINE MOUNTING BRACKET

- (a) Install the engine mounting bracket RR and 3 bolts to the automatic transaxle.  
**Torque: 64 N·m (652 kgf·cm, 47 ft·lbf)**



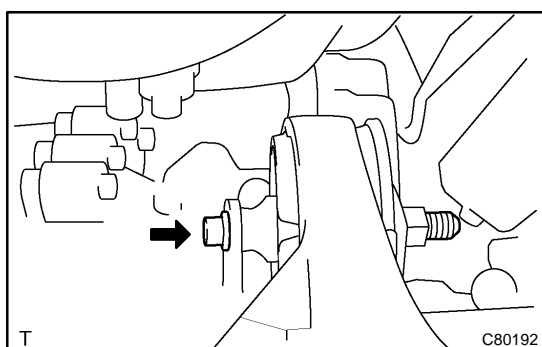
#### 41. INSTALL TRANSVERSE ENGINE ENGINE MOUNTING BRACKET

- (a) Install the engine mounting bracket FR and 2 bolts to the automatic transaxle.  
**Torque: 64 N·m (652 kgf·cm, 47 ft·lbf)**



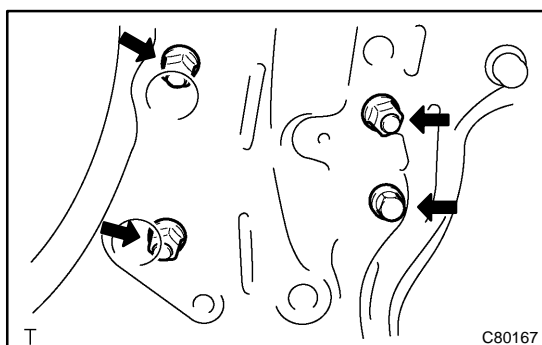
#### 42. INSTALL ENGINE MOUNTING MEMBER SUB-ASSY CENTER

- (a) Install the member sub-assy center with engine mounting insulator FR and 4 bolts.  
**Torque:**  
**Bolt A: 39 N·m (398 kgf·cm, 29 ft·lbf)**  
**Bolt B: 52 N·m (530 kgf·cm, 38 ft·lbf)**

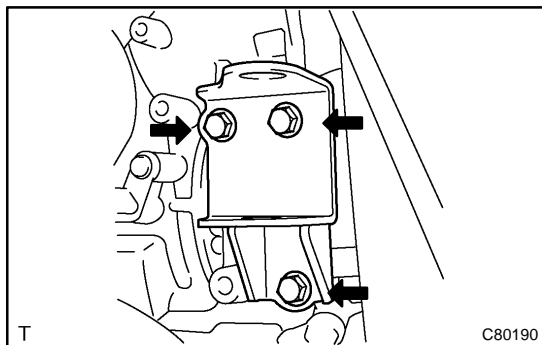


#### 43. INSTALL TRANSVERSE ENGINE ENGINE MOUNTING INSULATOR

- (a) Install the engine mounting insulator RR and bolt to the engine mounting bracket RR.  
**Torque: 87 N·m (887 kgf·cm, 64 ft·lbf)**



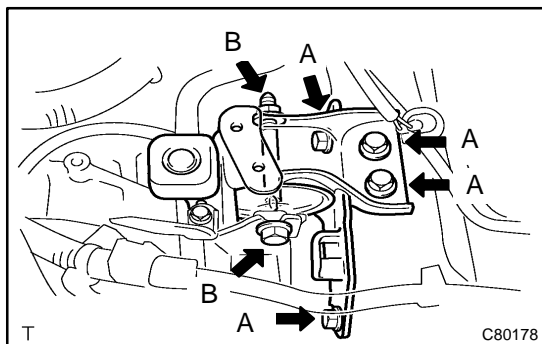
- (b) Tighten the 3 nuts and bolt.  
**Torque: 52 N·m (530 kgf·cm, 38 ft·lbf)**



#### 44. INSTALL TRANSVERSE ENGINE ENGINE MOUNTING BRACKET

- (a) Install the engine mounting bracket LH and 3 bolts to the automatic transaxle.

**Torque: 52 N·m (530 kgf·cm, 38 ft·lbf)**



#### 45. INSTALL TRANSVERSE ENGINE ENGINE MOUNTING INSULATOR

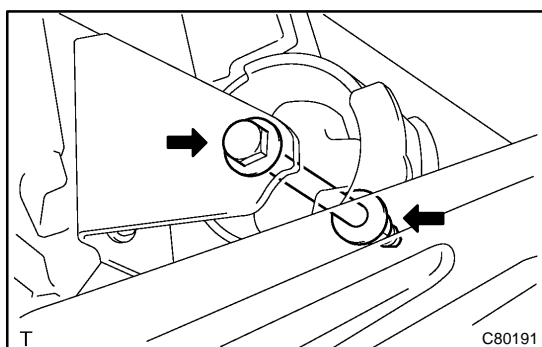
- (a) Install the engine mounting insulator LH, 5 bolts and nut.

**Torque:**

**Bolt A: 52 N·m (530 kgf·cm, 38 ft·lbf)**

**Bolt B: 80 N·m (815 kgf·cm, 59 ft·lbf)**

**Nut B: 80 N·m (815 kgf·cm, 59 ft·lbf)**



#### 46. INSTALL TRANSVERSE ENGINE ENGINE MOUNTING INSULATOR

- (a) Install the bolt and nut to the engine mounting bracket FR.

**Torque: 52 N·m (530 kgf·cm, 38 ft·lbf)**

#### 47. INSTALL STARTER ASSY

- (a) Install the starter and 2 bolts.

**Torque: 39 N·m (400 kgf·cm, 29 ft·lbf)**

- (b) Connect the connector.

- (c) Install the starter wire and nut.

**Torque: 13 N·m (132 kgf·cm, 10 ft·lbf)**

#### 48. INSTALL FRONT DRIVE SHAFT ASSY LH (See page 30-32)

#### 49. INSTALL FRONT DRIVE SHAFT ASSY RH (See page 30-32)

#### 50. INSTALL EXHAUST PIPE ASSY FRONT (See page 15-9)

#### 51. INSTALL ENGINE UNDER COVER LH

#### 52. INSTALL ENGINE UNDER COVER RH

#### 53. INSTALL FRONT WHEELS

**Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)**

#### 54. INSTALL OXYGEN SENSOR CONNECTOR

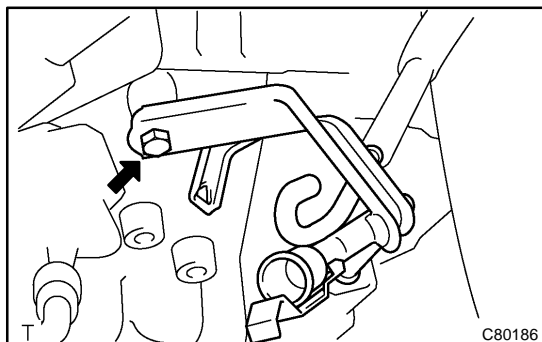
- (a) Connect the oxygen sensor connector.

- (b) Install the floor carpet and foot rest.



**55. INSTALL TRANSMISSION OIL FILLER TUBE SUB-ASSY**

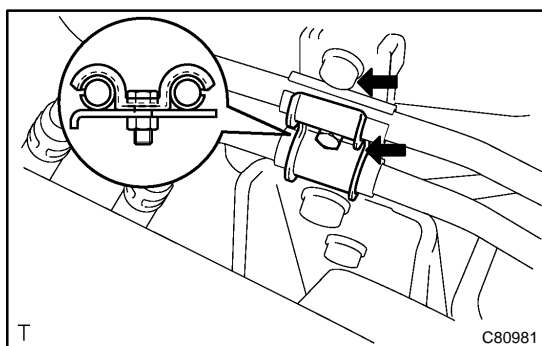
- (a) Coat a new O-ring with ATF, and install them to the oil filler tube.



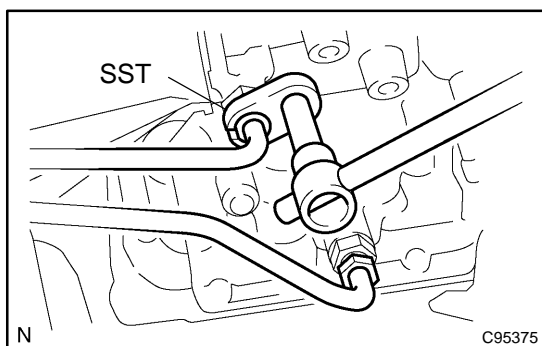
- (b) Install the oil filler tube and bolt to the automatic transaxle.  
**Torque: 5.5 N·m (56 kgf·cm, 49 in.-lbf)**
- (c) Install the ATF lever gauge.

**56. 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.



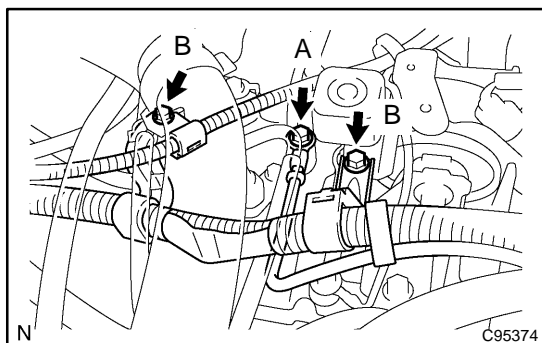
- (c) Install the oil cooler tube clamp and 2 bolts.  
**Torque: 5.5 N·m (56 kgf·cm, 49 in.-lbf)**
- (d) Using SST, tighten the oil cooler outlet tube No. 1.  
SST 09023-12700  
**Torque: 34.5 N·m (350 kgf·cm, 25 ft·lbf)**

**57. INSTALL OIL COOLER INLET TUBE NO.1**

- (a) Using SST, tighten the oil cooler inlet tube No. 1.  
SST 09023-12700  
**Torque: 34.5 N·m (350 kgf·cm, 25 ft·lbf)**

**58. CONNECT CONNECTOR**

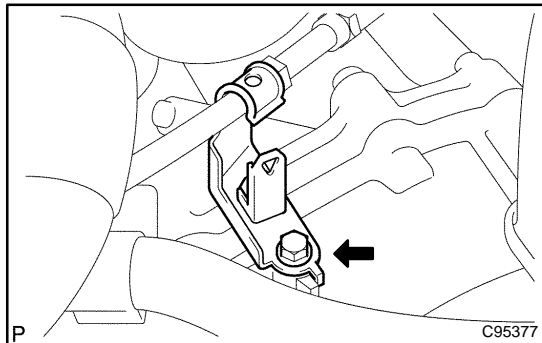
- (a) Connect the transmission wire connector.
- (b) Connect the park/neutral position switch connector.
- (c) Connect the 2 transmission revolution sensor connector.

**59. INSTALL WIRE HARNESS**

- (a) Install the wire harness with the bolt.  
**Torque:**  
**Bolt A: 13 N·m (132 kgf·cm, 10 ft·lbf)**
- (b) Install the 2 wire harness clamp brackets with the 2 bolts.  
**Torque:**  
**Bolt B: 5.4 N·m (55 kgf·cm, 48 in.-lbf)**

**60. INSTALL TRANSMISSION CONTROL CABLE BRACKET NO.1**

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

**Torque: 12 N·m (122 kgf·cm, 9 ft·lbf)****61. INSTALL TRANSMISSION CONTROL CABLE SUPPORT**

- (a) Install the control cable support and bolt.

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

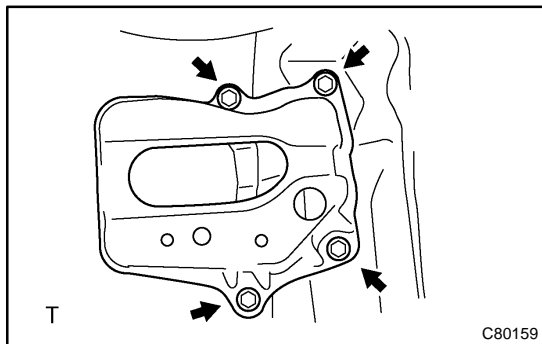
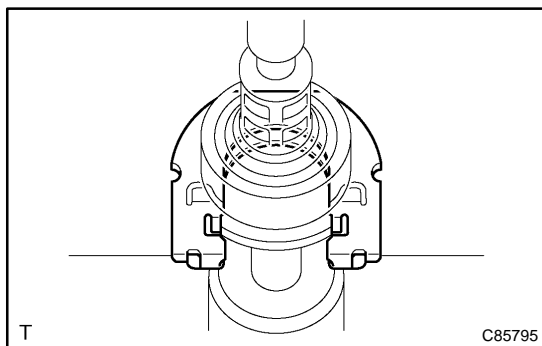
- (b) Connect the control cable and wire harness to the control cable support.

**62. INSTALL FLOOR SHIFT CABLE TRANSMISSION CONTROL SHIFT**

- (a) Temporarily install the control cable to the control shaft lever with the nut.

- (b) Install a new clip to the bracket.

- (c) Connect the control cable to the bracket.

**NOTICE:****Insert the cable securely.****63. INSTALL BATTERY CARRIER**

- (a) Install the battery carrier and 4 bolts.

**Torque: 13 N·m (132 kgf·cm, 10 ft·lbf)****64. INSTALL AIR CLEANER ASSEMBLY WITH HOSE****Torque: 7.0 N·m (71 kgf·cm, 62 in·lbf)****65. INSTALL CYLINDER HEAD COVER NO.2****Torque: 7.0 N·m (71 kgf·cm, 62 in·lbf)****66. INSTALL HOOD SUB-ASSY****Torque: 13 N·m (130 kgf·cm, 10 ft·lbf)****67. INSPECT HOOD SUB-ASSY (See page 75-1)****68. ADJUST HOOD SUB-ASSY (See page 75-1)****69. ADD AUTOMATIC TRANSAXLE FLUID****70. INSPECT AUTOMATIC TRANSAXLE FLUID (See page 40-2)****71. ADJUST SHIFT LEVER POSITION (See page 40-87)****72. INSPECT SHIFT LEVER POSITION (See page 40-87)****73. INSPECT FRONT WHEEL ALIGNMENT (See page 26-6)****74. CHECK ABS SPEED SENSOR SIGNAL (See page 05-316)**