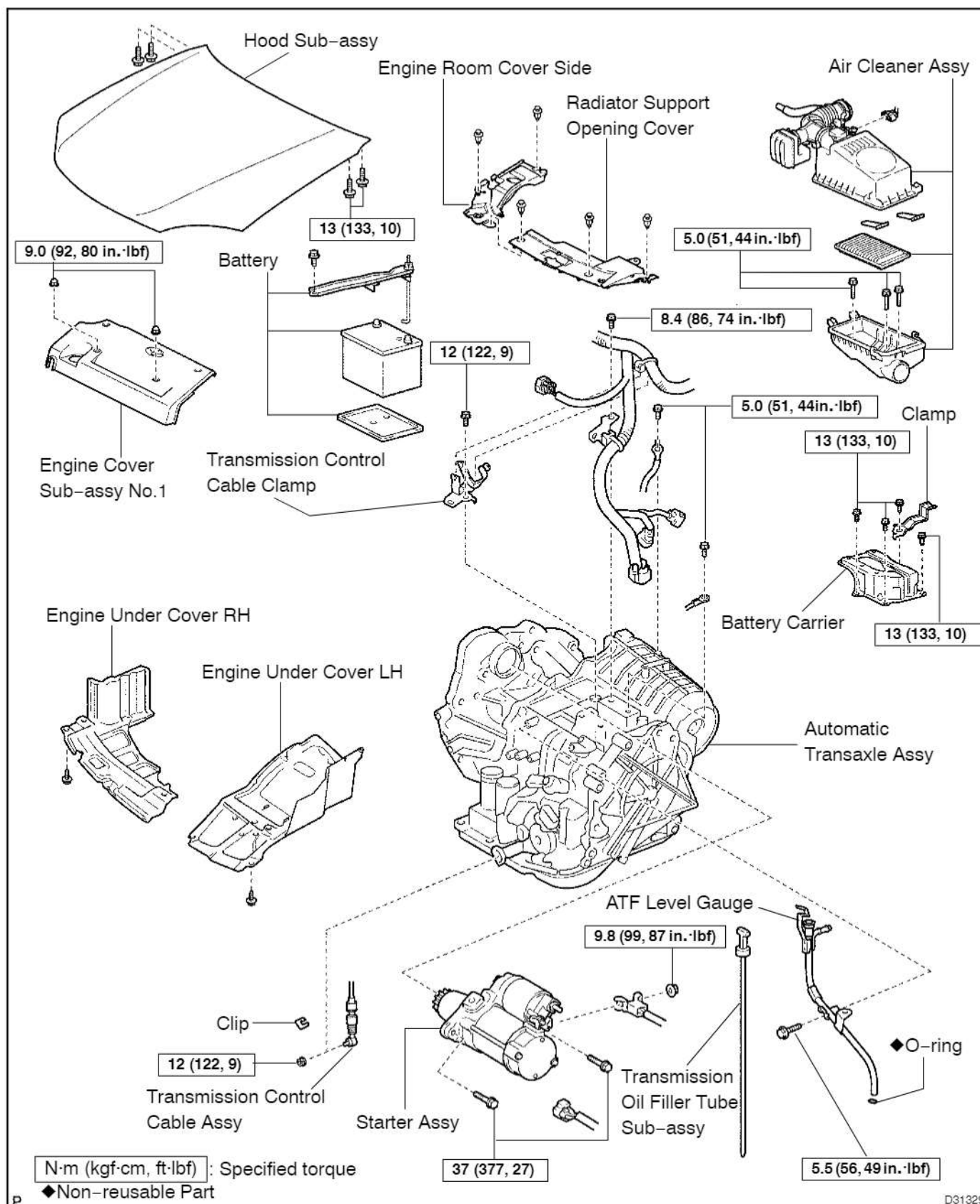
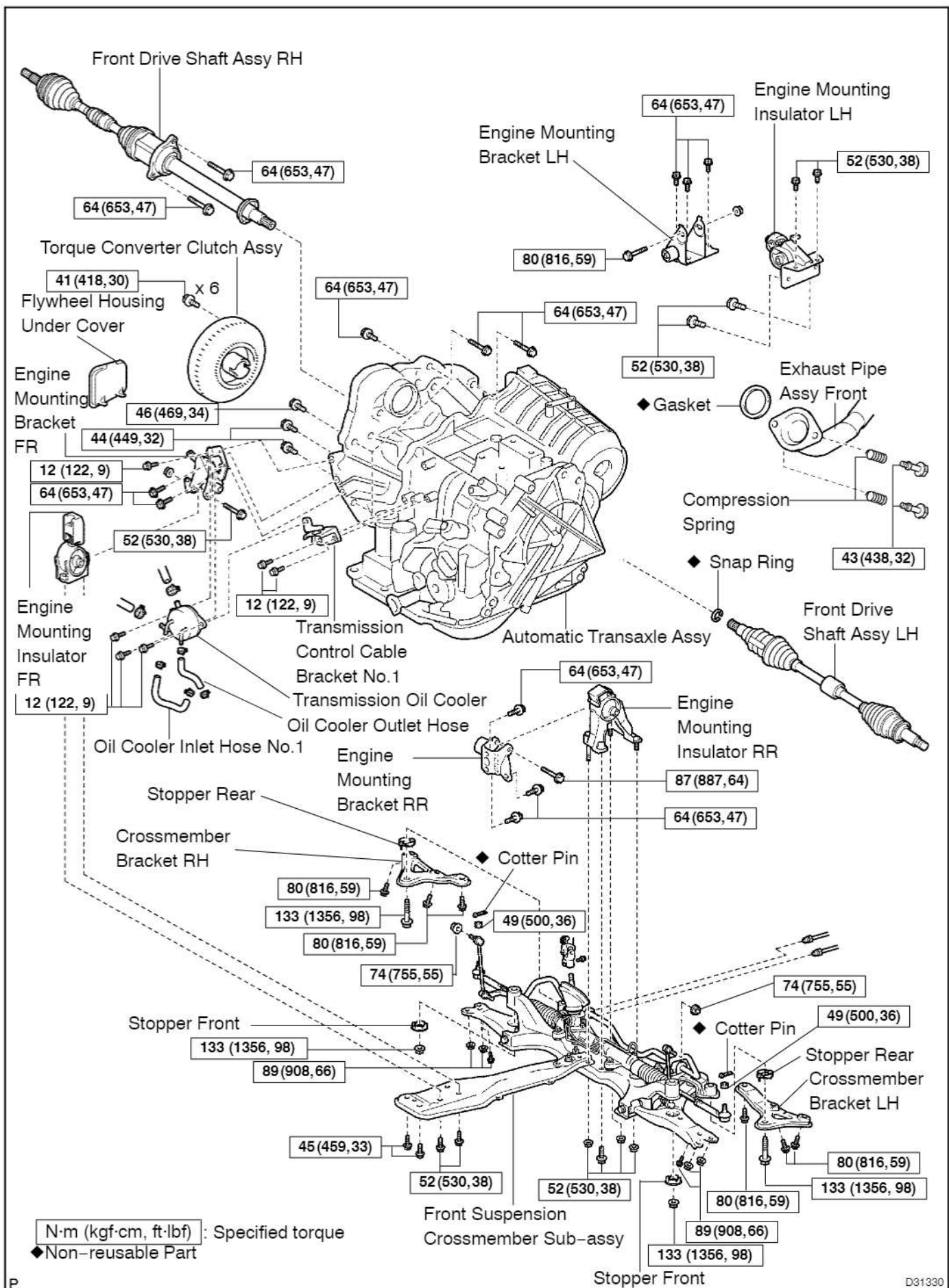


AUTOMATIC TRANSAXLE ASSY (U151E)COMPONENTS

40184-01

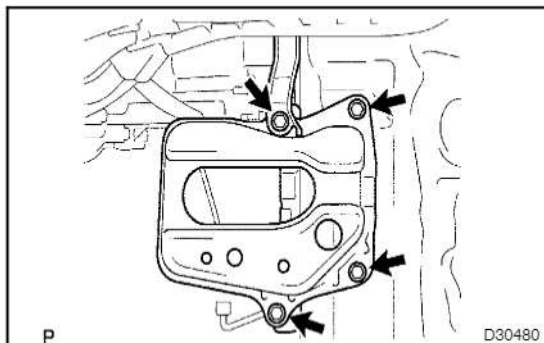


D31329



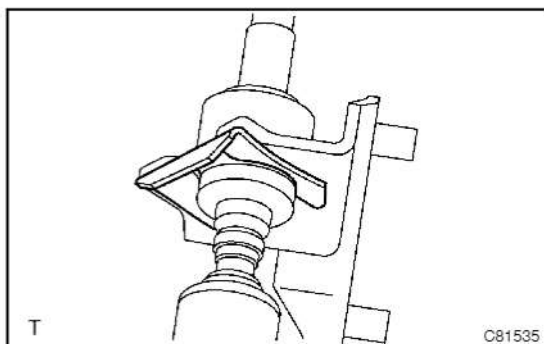
REPLACEMENT

1. REMOVE HOOD SUB-ASSY
2. REMOVE ENGINE COVER SUB-ASSY NO.1
 - (a) Remove the 2 nuts and engine cover.
3. REMOVE RADIATOR SUPPORT OPENING COVER
4. REMOVE ENGINE ROOM COVER SIDE
5. REMOVE BATTERY

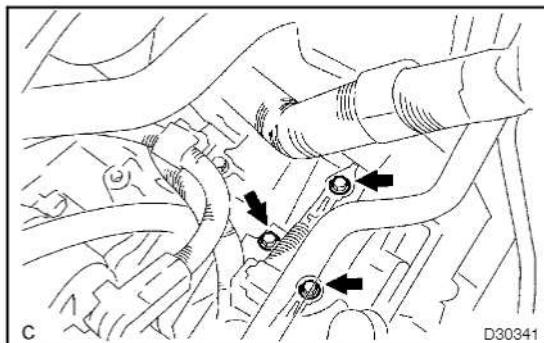


6. REMOVE BATTERY CARRIER
 - (a) Remove the 4 bolts and battery carrier.

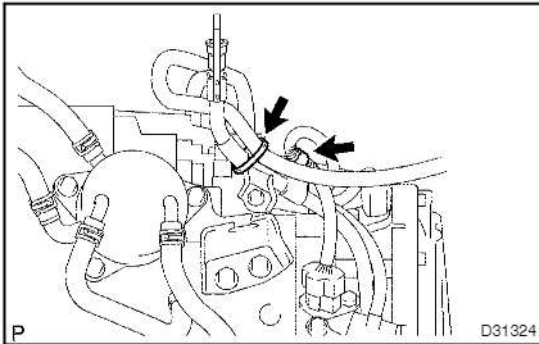
7. REMOVE AIR CLEANER ASSY



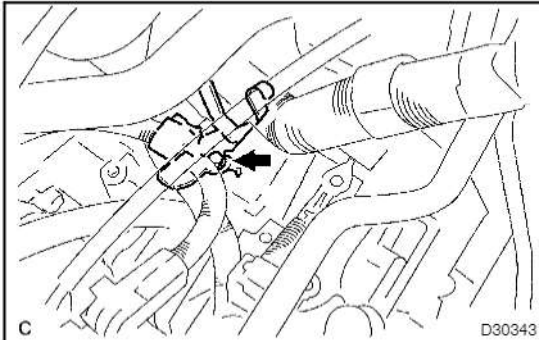
8. SEPARATE TRANSMISSION CONTROL CABLE ASSY
 - (a) Remove the nut from the control shaft lever.
 - (b) Separate the control cable from the control shaft lever.
 - (c) Remove the clip and separate the control cable from the control cable bracket.



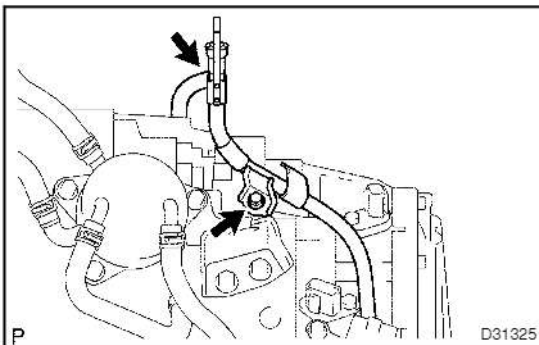
9. SEPARATE WIRE HARNESS
 - (a) Remove the 3 bolts and separate the 2 wire harnesses with the wire harness bracket.

**10. DISCONNECT CONNECTOR**

- (a) Separate the 2 wire harness clamps from the oil filler tube.
- (b) Disconnect the transmission wire connector.
- (c) Disconnect the park/neutral position switch connector.
- (d) Disconnect the 2 speed sensor connectors.

**11. REMOVE TRANSMISSION CONTROL CABLE CLAMP**

- (a) Remove the bolt and transmission control cable clamp from the automatic transaxle.

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

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

13. REMOVE FRONT WHEELS**14. REMOVE ENGINE UNDER COVER RH****15. REMOVE ENGINE UNDER COVER LH****16. DRAIN AUTOMATIC TRANSAXLE FLUID**

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

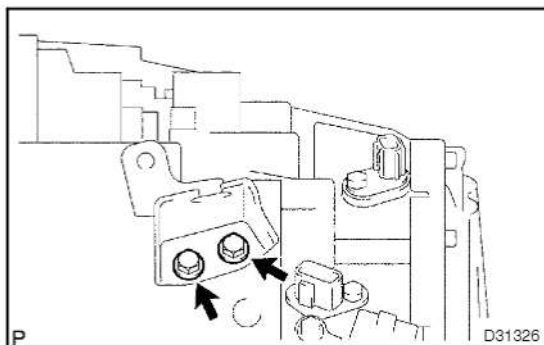
Torque: 47 N·m (479 kgf·cm, 35 ft·lbf)

17. DRAIN COOLANT (SEE PAGE 16-7)**18. REMOVE TRANSMISSION OIL COOLER (SEE PAGE 40-26)****19. SEPARATE OIL COOLER INLET HOSE NO.1**

- (a) Loosen the clip and separate the oil cooler inlet hose No.1 from the automatic transaxle assy.

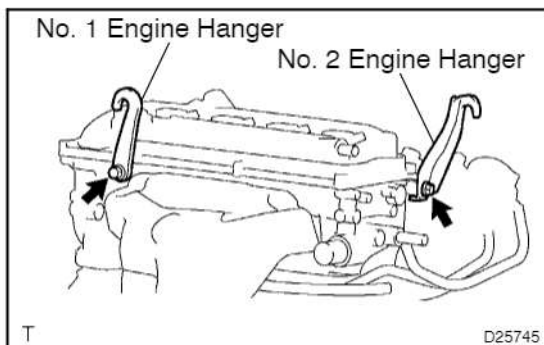
20. SEPARATE OIL COOLER OUTLET HOSE

- (a) Loosen the clip and separate the oil cooler outlet hose from the automatic transaxle assy.



21. REMOVE TRANSMISSION CONTROL CABLE BRACKET NO.1

- (a) Remove the 2 bolts and control cable bracket No.1.



22. SUSPEND ENGINE ASSY

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

Parts No.:

No. 1 engine hanger: 12281-28010

No. 2 engine hanger: 12282-28010

Bolt: 91512-61020

Torque: 38 N·m (387 kgf·cm, 28 ft·lbf)

- (b) Attach the engine chain hoist to the engine hanger.

CAUTION:

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

23. REMOVE EXHAUST PIPE ASSY FRONT (SEE PAGE 15-2)

24. REMOVE FRONT DRIVE SHAFT ASSY RH (SEE PAGE 30-4)

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

25. REMOVE FRONT DRIVE SHAFT ASSY LH (SEE PAGE 30-4)

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

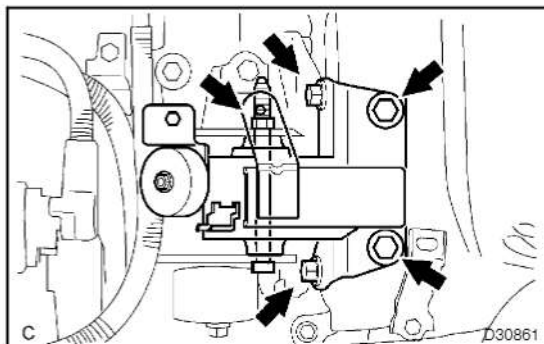
26. REMOVE STARTER ASSY

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

27. SUPPORT AUTOMATIC TRANSAXLE ASSY

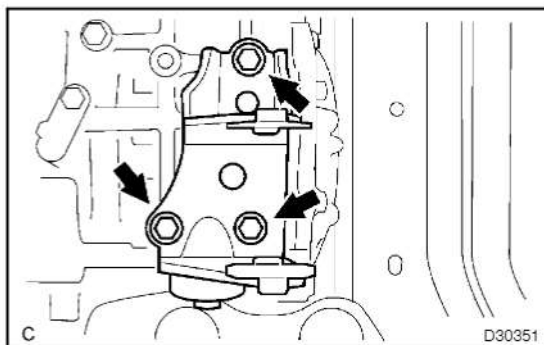
- (a) Support the automatic transaxle with a transmission jack.

28. REMOVE FRONT SUSPENSION CROSSMEMBER SUB-ASSY (SEE PAGE 14-23)

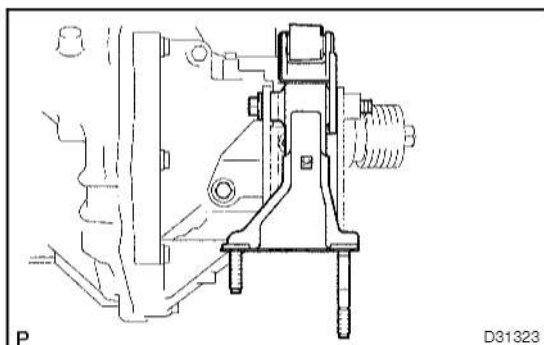


29. REMOVE ENGINE MOUNTING INSULATOR LH

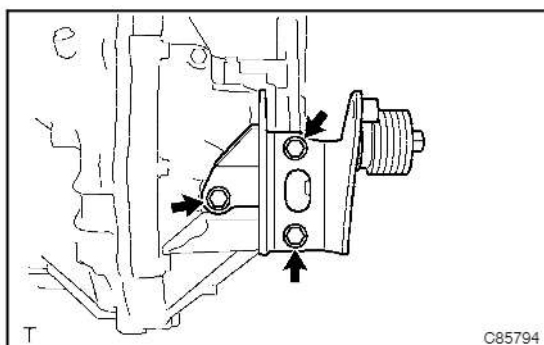
- (a) Remove the 5 bolts, nut and engine mounting insulator LH.

**30. REMOVE ENGINE MOUNTING BRACKET LH**

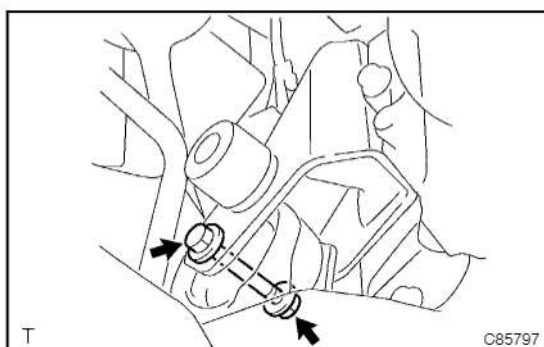
- (a) Remove the 3 bolts and engine mounting bracket LH from the automatic transaxle.

**31. REMOVE ENGINE MOUNTING INSULATOR RR**

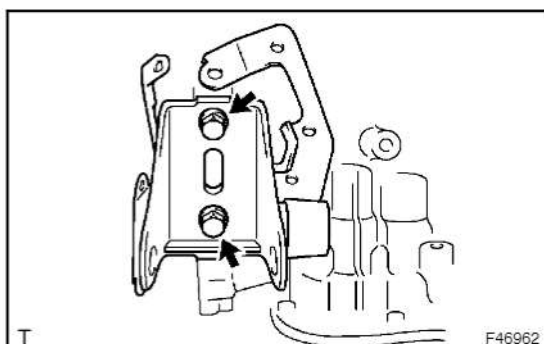
- (a) Remove the bolt and engine mounting insulator RR from the engine mounting bracket RR.

**32. REMOVE ENGINE MOUNTING BRACKET RR**

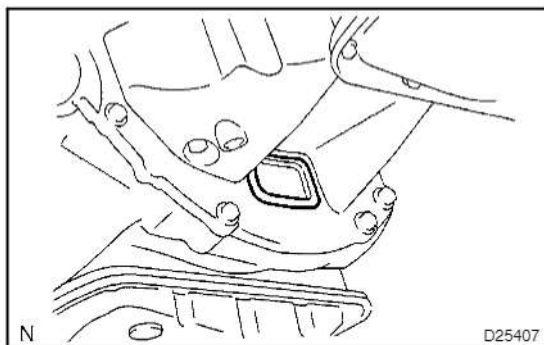
- (a) Remove the 3 bolts and engine mounting bracket RR from the automatic transaxle.

**33. REMOVE ENGINE MOUNTING INSULATOR FR**

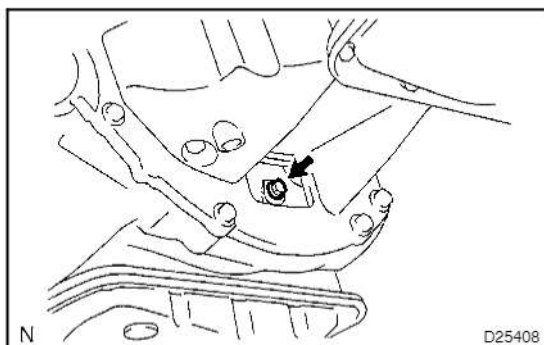
- (a) Remove the bolt and nut from the engine mounting bracket FR.

**34. REMOVE ENGINE MOUNTING BRACKET FR**

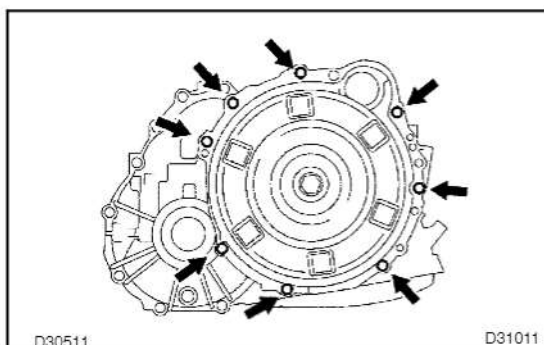
- (a) Remove the 2 bolts and engine mounting bracket FR from the automatic transaxle.

**35. REMOVE FLYWHEEL HOUSING UNDER COVER**

- (a) Remove the flywheel housing under cover from the automatic transaxle.

**36. REMOVE AUTOMATIC TRANSAXLE ASSY**

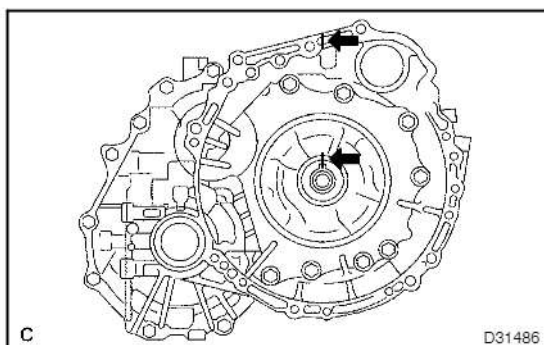
- (a) Turn the crankshaft to remove the 6 bolts while holding the crankshaft pulley bolt with a wrench.



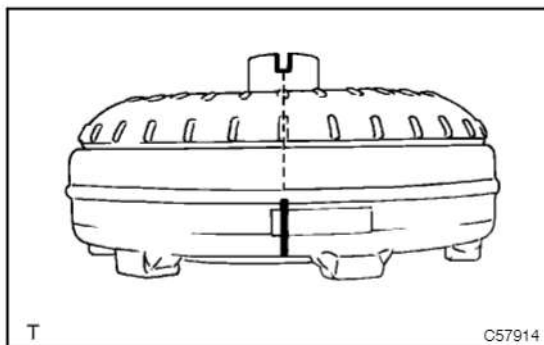
- (b) Remove the 8 bolts.
(c) Separate and remove the automatic transaxle.

37. REMOVE TORQUE CONVERTER CLUTCH ASSY**38. INSPECT TORQUE CONVERTER CLUTCH ASSY (SEE PUB. NO. RM1018E, PAGE 40-37)**

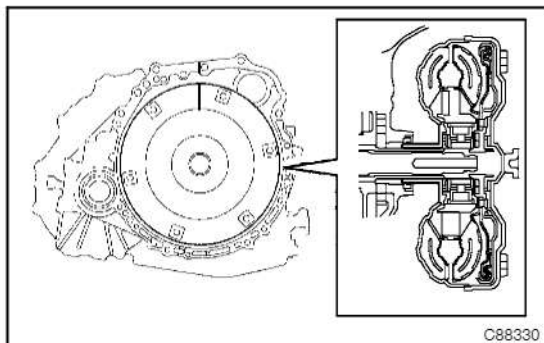
SST 09350-32014 (09351-32010, 09351-32020)

**39. INSTALL TORQUE CONVERTER CLUTCH ASSY**

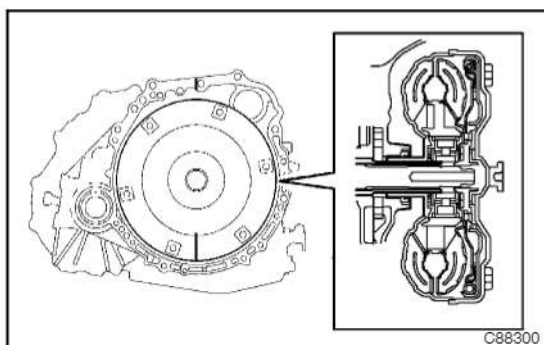
- (a) Set the key of the front oil pump drive gear at the top and put a mark on the transaxle case.



- (b) Put a mark on the torque converter clutch so that its groove can be clearly indicated.



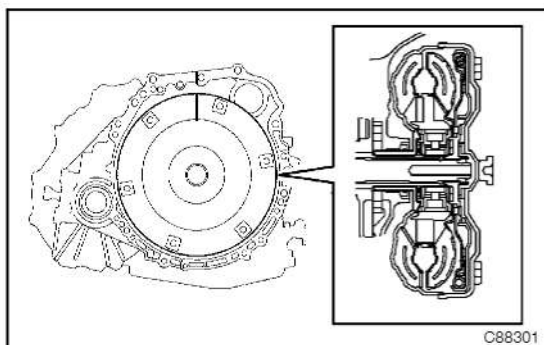
- (c) Match the 2 marks on the transaxle case and the torque converter clutch and fit the spline part of the input shaft with the one of the turbine runner.



- (d) Rotating the torque converter clutch, fit the spline part of the stator shaft with the one of the stator.

HINT:

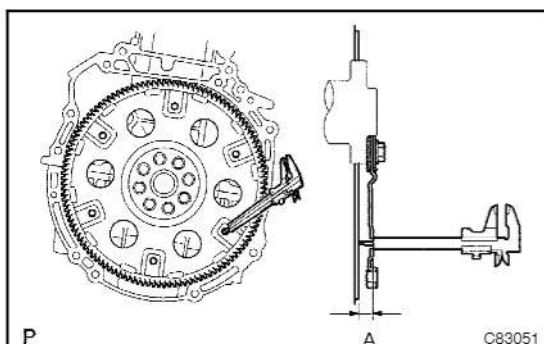
Rotate it about 180 degrees.



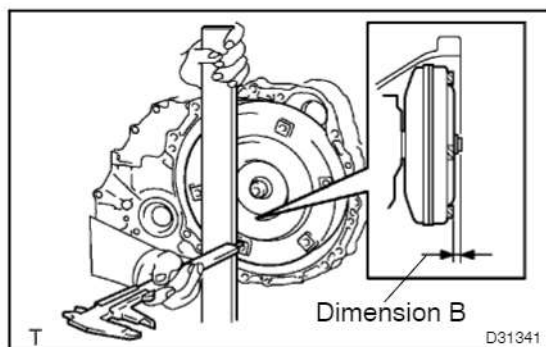
- (e) Rotating the torque converter clutch, match the 2 marks on the case and the torque converter clutch again and fit the key of the oil pump drive gear into the key way of the torque converter clutch.

NOTICE:

When rotating the torque converter clutch, do not use excessive force to push it.

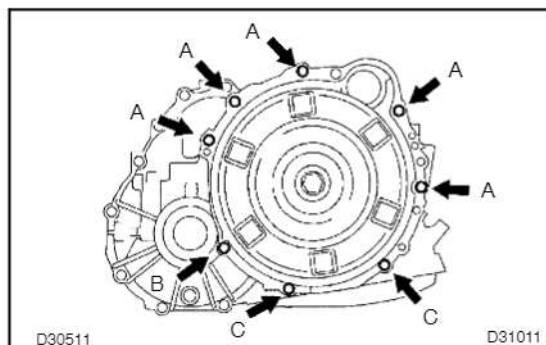


- (f) Using vernier calipers, measure the dimension A between the transaxle and the end surface of the drive plate.



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

Standard: A + 1 mm or more



40. INSTALL AUTOMATIC TRANSAXLE ASSY

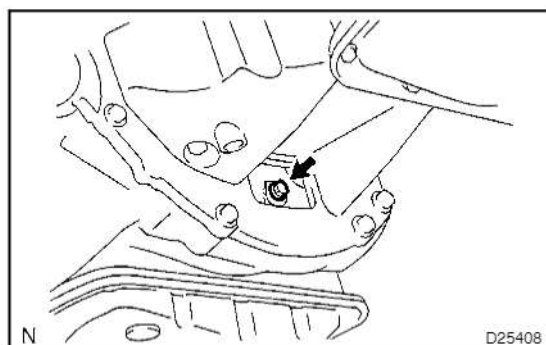
- (a) Install the automatic transaxle and 8 bolts to the engine.

Torque:

Bolt A: 64 N·m (653 kgf·cm, 47 ft·lbf)

Bolt B: 46 N·m (469 kgf·cm, 34 ft·lbf)

Bolt C: 44 N·m (449 kgf·cm, 32 ft·lbf)

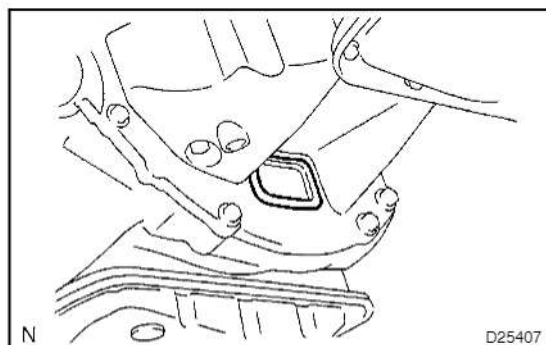


- (b) Install the 6 torque converter clutch mounting bolts.

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

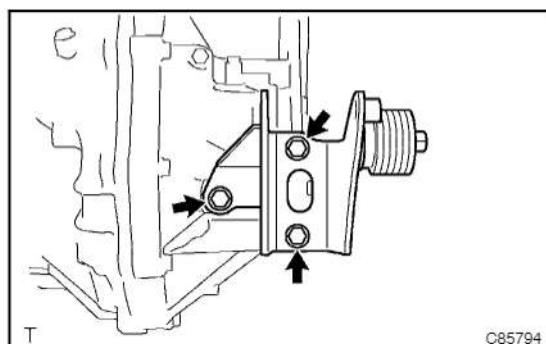
HINT:

First install the green colored bolt, and then the remaining 5 bolts.



41. INSTALL FLYWHEEL HOUSING UNDER COVER

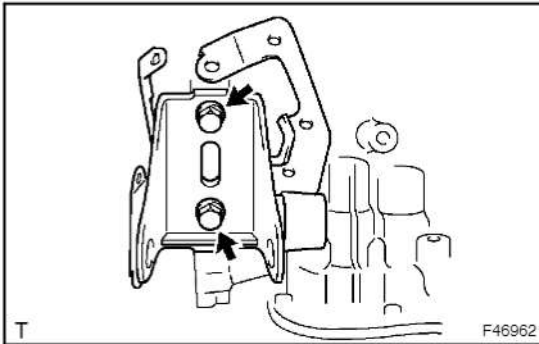
- (a) Install the flywheel housing under cover to the automatic transaxle.



42. INSTALL ENGINE MOUNTING BRACKET RR

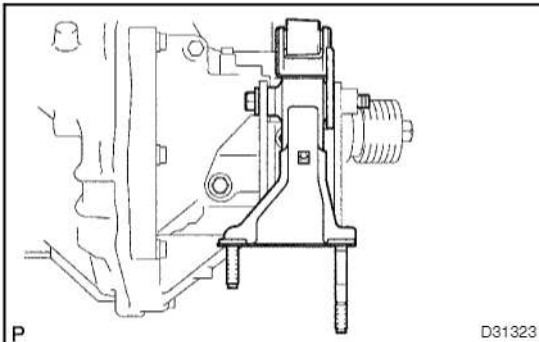
- (a) Install the engine mounting bracket RR and 3 bolts to the automatic transaxle.

Torque: 64 N·m (653 kgf·cm, 47 ft·lbf)

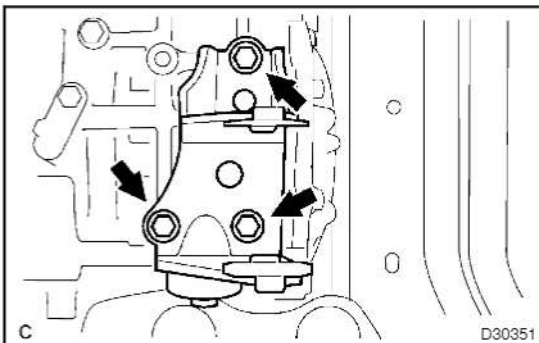
**43. INSTALL ENGINE MOUNTING BRACKET FR**

- (a) Install the engine mounting bracket FR and 2 bolts to the automatic transaxle.

Torque: 64 N·m (653 kgf·cm, 47 ft·lbf)

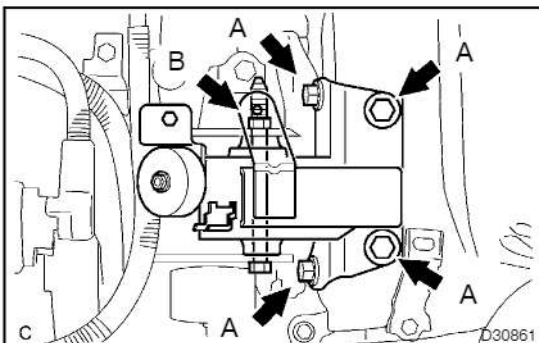
**44. TEMPORARILY TIGHTEN ENGINE MOUNTING INSULATOR RR**

- (a) Install the engine mounting insulator RR to the engine mounting bracket RR, and temporarily tighten the bolt.

**45. INSTALL ENGINE MOUNTING BRACKET LH**

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

Torque: 64 N·m (653 kgf·cm, 47 ft·lbf)

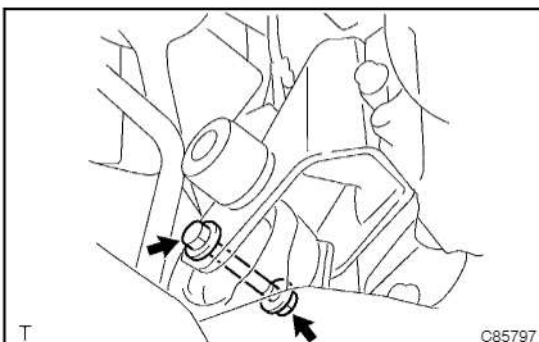
**46. INSTALL ENGINE MOUNTING INSULATOR LH**

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

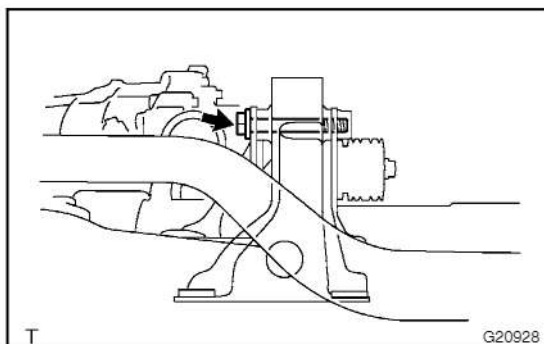
Torque:

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

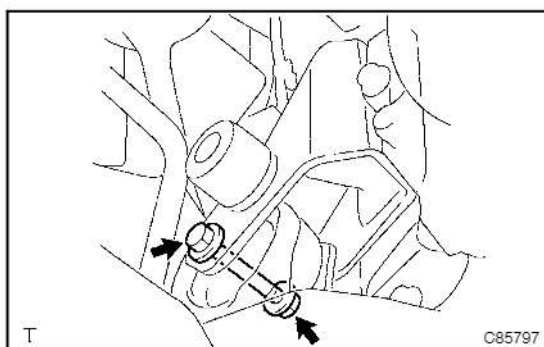
Nut B: 80 N·m (816 kgf·cm, 59 ft·lbf)

**47. TEMPORARILY TIGHTEN ENGINE MOUNTING INSULATOR FR**

- (a) Install the engine mounting insulator FR to the engine mounting bracket FR, and temporarily tighten the bolt and nut.

48. INSTALL FRONT SUSPENSION CROSSMEMBER SUB-ASSY (SEE PAGE 14-23)**49. FULLY TIGHTEN ENGINE MOUNTING INSULATOR RR**

- (a) Fully tighten the bolt.

Torque: 87 N·m (887 kgf·cm, 64 ft·lbf)**50. FULLY TIGHTEN ENGINE MOUNTING INSULATOR FR**

- (a) Fully tighten the bolt and nut.

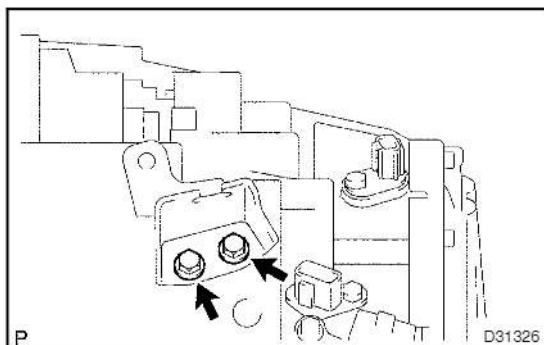
Torque: 52 N·m (530 kgf·cm, 38 ft·lbf)**51. INSTALL STARTER ASSY**

- (a) Install the starter with the 2 bolts.

Torque: 37 N·m (377 kgf·cm, 27 ft·lbf)

- (b) Connect the connector.

- (c) Install the starter wire with the nut.

Torque: 9.8 N·m (99 kgf·cm, 87 in·lbf)**52. INSTALL FRONT DRIVE SHAFT ASSY LH (SEE PAGE 30-4)****53. INSTALL FRONT DRIVE SHAFT ASSY RH (SEE PAGE 30-4)****54. INSTALL EXHAUST PIPE ASSY FRONT (SEE PAGE 15-2)****55. INSTALL FRONT WHEELS****Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)****56. INSTALL TRANSMISSION CONTROL CABLE BRACKET NO.1**

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

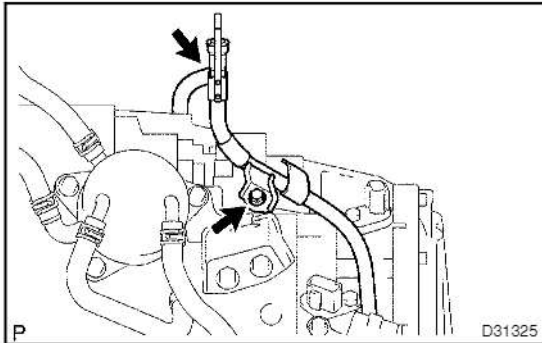
Torque: 12 N·m (122 kgf·cm, 9 ft·lbf)

57. CONNECT OIL COOLER OUTLET HOSE

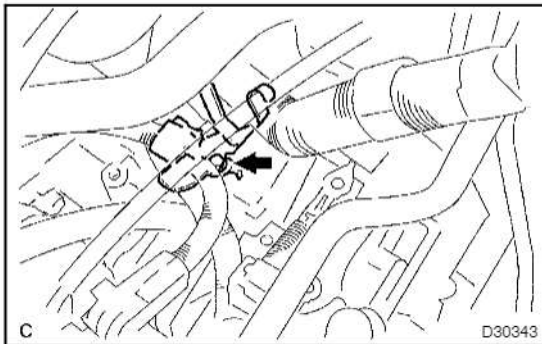
- (a) Connect the oil cooler outlet hose with the clip to the automatic transaxle assy.

58. CONNECT OIL COOLER INLET HOSE NO.1

- (a) Connect the oil cooler inlet hose No.1 with the clip to the automatic transaxle assy.

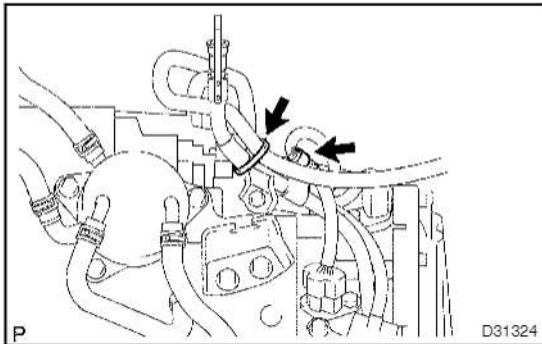
59. INSTALL TRANSMISSION OIL COOLER**60. INSTALL TRANSMISSION OIL FILLER TUBE SUB-ASSY**

- (a) Coat a new O-ring with ATF, and install it 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 breather hose.
 (d) Install the ATF level gauge.

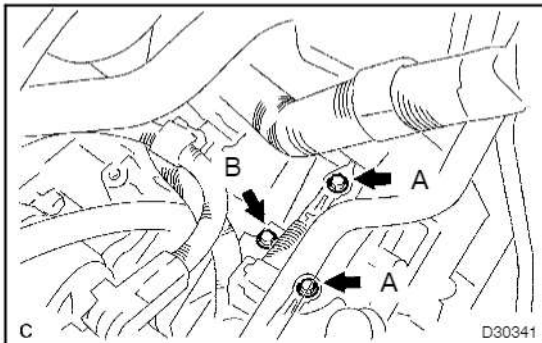
**61. INSTALL TRANSMISSION CONTROL CABLE CLAMP**

- (a) Install the transmission control cable clamp and bolt to the automatic transaxle.

Torque: 12 N·m (122 kgf·cm, 9 ft·lbf)

**62. CONNECT CONNECTOR**

- (a) Connect the 2 clamps to the oil filler tube.
 (b) Connect the transmission wire connector.
 (c) Connect the park/neutral position switch connector.
 (d) Connect the 2 speed sensor connectors.

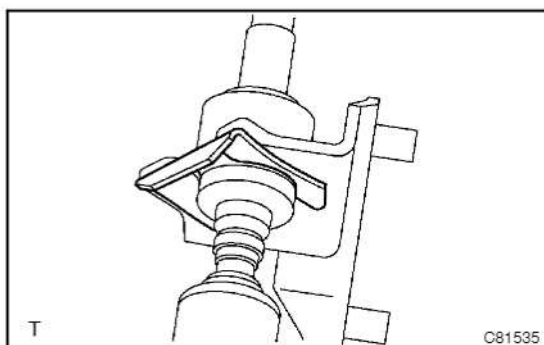
**63. INSTALL WIRE HARNESS**

- (a) Install the 2 wire harnesses and wire harness bracket with the 3 bolts.

Torque:

Bolt A: 5.0 N·m (51 kgf·cm, 44 in.·lbf)

Bolt B: 8.4 N·m (86 kgf·cm, 74 in.·lbf)

**64. INSTALL TRANSMISSION CONTROL CABLE ASSY**

- (a) Temporarily install the control cable to the control shaft lever with the nut.
- (b) Install the control cable and clip to the bracket.

65. INSTALL AIR CLEANER ASSY

Torque: 5.0 N·m (50 kgf·cm, 44 in·lbf)

66. INSTALL BATTERY CARRIER

Torque: 13 N·m (133 kgf·cm, 10 ft·lbf)

67. INSTALL BATTERY**68. INSTALL ENGINE COVER SUB-ASSY NO.1**

Torque: 9.0 N·m (92 kgf·cm, 80 in·lbf)

69. INSTALL HOOD SUB-ASSY

Torque: 13 N·m (133 kgf·cm, 10 ft·lbf)

70. INSPECT HOOD SUB-ASSY (SEE PUB. NO. RM1018E, PAGE 75-2)**71. ADJUST HOOD SUB-ASSY (SEE PUB. NO. RM1018E, PAGE 75-2)****72. ADD COOLANT (SEE PEGE 16-7)****73. ADD AUTOMATIC TRANSAXLE FLUID (SEE PUB. NO. RM1018E, PAGE 40-2)****74. INSPECT AUTOMATIC TRANSAXLE FLUID (SEE PUB. NO. RM1018E, PAGE 40-2)****75. INSPECT FOR FLUID LEAKS****76. ADJUST SHIFT LEVER POSITION (SEE PUB. NO. RM1018E, PAGE 40-69)****77. INSPECT SHIFT LEVER POSITION (SEE PUB. NO. RM1018E, PAGE 40-69)****78. INSPECT AND ADJUST FRONT WHEEL ALIGNMENT (SEE PUB. NO. RM1018E, PAGE 26-6)****79. CHECK ABS SPEED SENSOR SIGNAL**

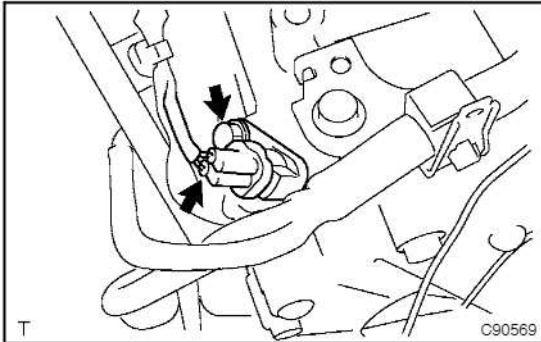
- (a) ABS WITH EBD & BA & TRAC & VSC SYSTEM (SEE PUB. NO. RM1018E, PAGE 5-756)

80. RESET MEMORY (SEE PEGE 05-541)

SPEED SENSOR (U151E)

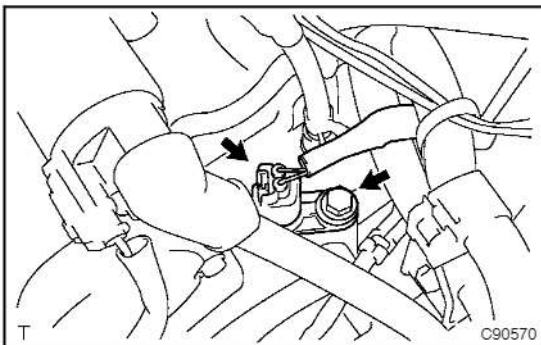
REPLACEMENT

1. REMOVE BATTERY
2. REMOVE BATTERY CARRIER
3. REMOVE AIR CLEANER ASSY



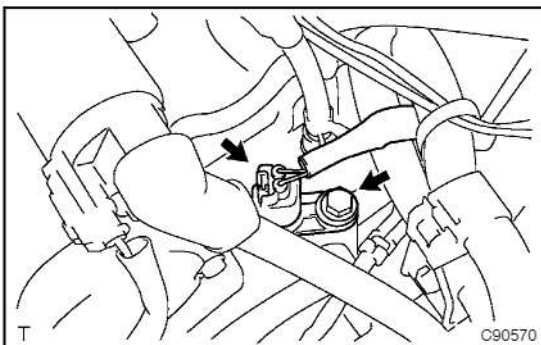
4. REMOVE SPEED SENSOR (NT SENSOR)

- (a) Disconnect the speed sensor connector.
- (b) Remove the bolt and speed sensor.



5. REMOVE SPEED SENSOR (NC SENSOR)

- (a) Disconnect the speed sensor connector.
- (b) Remove the bolt and speed sensor.



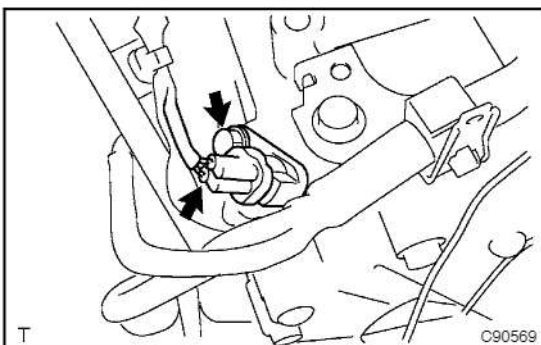
6. INSTALL SPEED SENSOR (NC SENSOR)

- (a) Coat the O-ring with ATF.
 - (b) Install the speed sensor with the bolt.
- Torque: 11 N·m (115 kgf·cm, 8 ft·lbf)**

HINT:

Make sure of the sensor manufacturer's name.

- (c) Connect the speed sensor connector.



7. INSTALL SPEED SENSOR (NT SENSOR)

- (a) Coat the O-ring with ATF.
 - (b) Install the speed sensor with the bolt.
- Torque: 11 N·m (115 kgf·cm, 8 ft·lbf)**

HINT:

Make sure of the sensor manufacturer's name.

- (c) Connect the speed sensor connector.

8. **INSTALL AIR CLEANER ASSY**
Torque: 5.0 N·m (51 kgf·cm, 44 in·lbf)
9. **INSTALL BATTERY CARRIER**
Torque: 13 N·m (133 kgf·cm, 10 ft·lbf)
10. **INSTALL BATTERY**

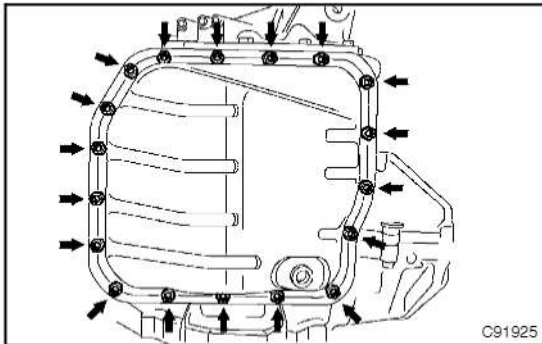
TRANSMISSION WIRE (U151E)

REPLACEMENT

40187-01

1. REMOVE ENGINE UNDER COVER LH
2. DRAIN AUTOMATIC TRANSAXLE FLUID
 - (a) Remove the drain plug and gasket, and drain ATF.
 - (b) Install a new gasket and the drain plug.

Torque: 47 N·m (479 kgf·cm, 35 ft·lbf)

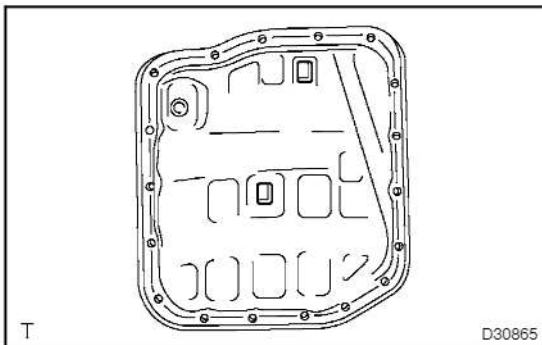


3. REMOVE AUTOMATIC TRANSAXLE OIL PAN SUB-ASSY

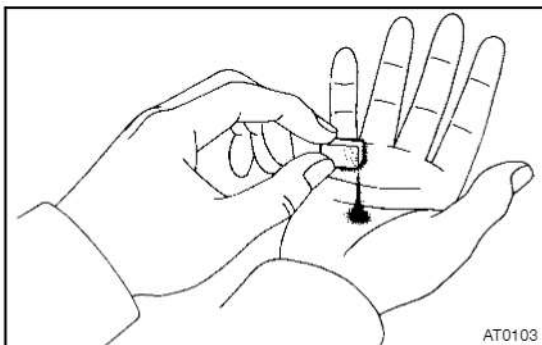
- (a) Remove the 18 bolts, oil pan and gasket.

NOTICE:

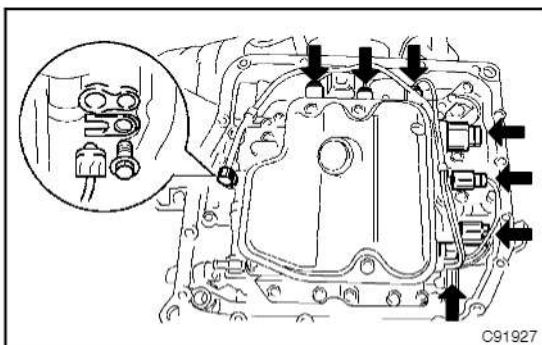
Some fluid will remain in the oil pan. Remove all of the oil pan bolts, and carefully remove the oil pan assembly.



- (b) Remove the 2 magnets from the oil pan.

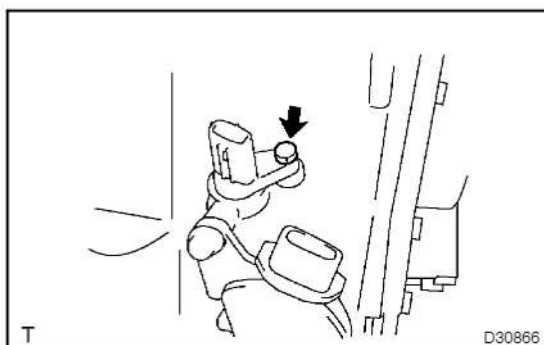


- (c) Examine the particles in the oil pan.
 - (1) Collect any steel chips with the removed magnets. Look at the chips and particles in the pan and on the magnets carefully to see the type of wear which might be found in the transaxle.
 Steel (magnetic): bearing, gear and plate wear
 Brass (non-magnetic): bearing wear



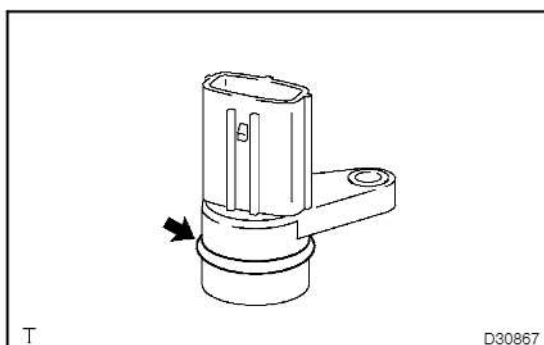
4. DISCONNECT TRANSMISSION WIRE

- (a) Disconnect the 7 shift solenoid valve connectors.
- (b) Remove the bolt and lock plate, and disconnect the ATF temperature sensor.



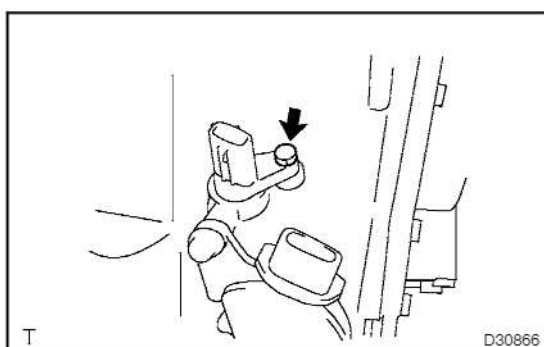
5. REMOVE TRANSMISSION WIRE

- (a) Disconnect the transmission wire connectors.
- (b) Remove the bolt and transmission wire.

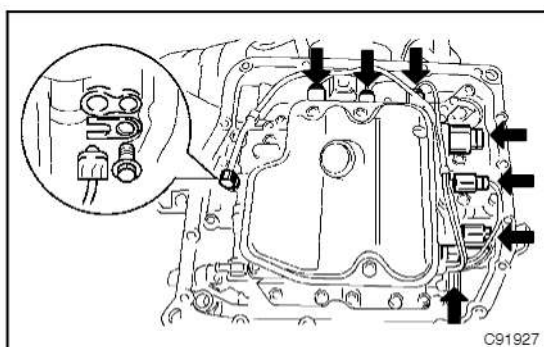


6. INSTALL TRANSMISSION WIRE

- (a) Coat an O-ring of the transmission wire connector with ATF.



- (b) Install the transmission wire and bolt.
Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)

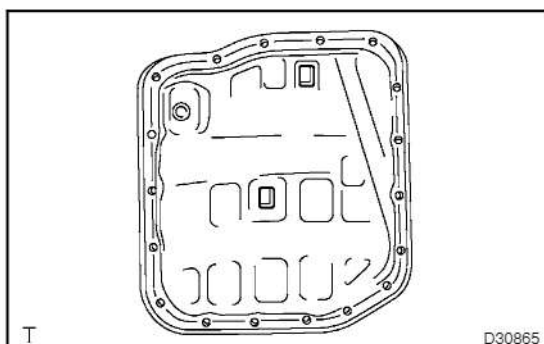


7. CONNECT TRANSMISSION WIRE

- (a) Coat an O-ring of the ATF temperature sensor with ATF.
- (b) Install the ATF temperature sensor with the lock plate and bolt.

Torque: 6.6 N·m (67 kgf·cm, 58 in·lbf)

- (c) Connect the 7 shift solenoid valve connectors.

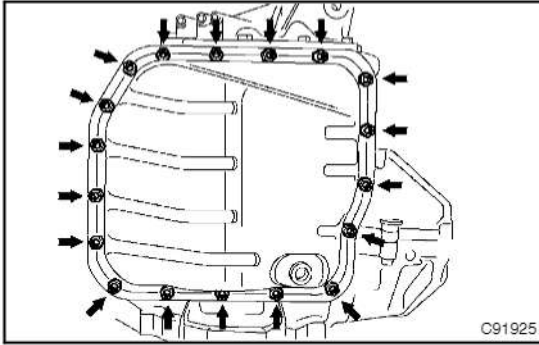


8. INSTALL AUTOMATIC TRANSAXLE OIL PAN SUB-ASSY

- (a) Install the 2 magnets in the oil pan.
- (b) Apply seal packing to the 18 bolts.

Seal packing:

THREE BOND 1344 or equivalent



- (c) Install a new gasket, the oil pan and 18 bolts to the trans-axle case.

Torque: 7.8 N·m (80 kgf·cm, 69 in·lbf)

NOTICE:

Apply seal packing to the bolts and tighten them within 10 minutes of application.

9. ADD AUTOMATIC TRANSAXLE FLUID (SEE PUB. NO. RM1018E, PAGE 40-2)
10. INSPECT AUTOMATIC TRANSAXLE FLUID (SEE PUB. NO. RM1018E, PAGE 40-2)
11. RESET MEMORY ([SEE PAGE 05-541](#))

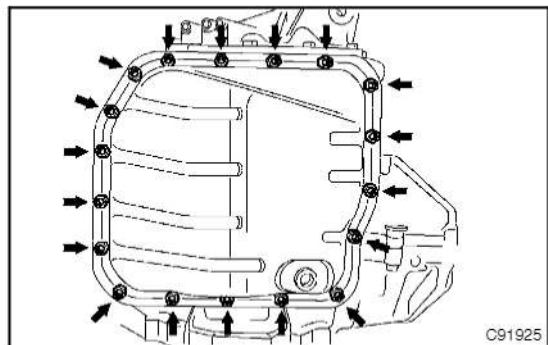
TRANSMISSION VALVE BODY ASSY (U151E)

REPLACEMENT

40155-01

1. REMOVE ENGINE UNDER COVER LH
2. DRAIN AUTOMATIC TRANSAXLE FLUID
 - (a) Remove the drain plug and gasket, and drain ATF.
 - (b) Install a new gasket and the drain plug.

Torque: 47 N·m (479 kgf·cm, 35 ft·lbf)

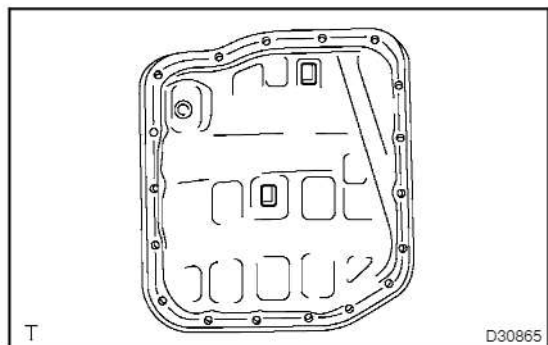


3. REMOVE AUTOMATIC TRANSAXLE OIL PAN SUB-ASSY

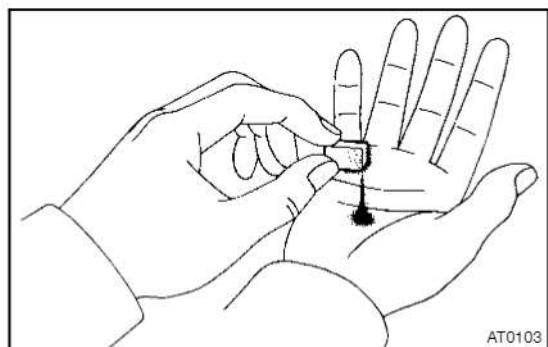
- (a) Remove the 18 bolts, oil pan and gasket.

NOTICE:

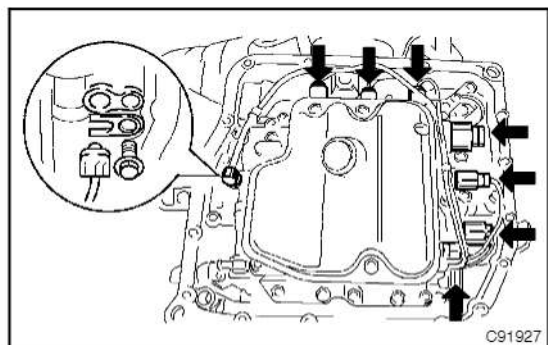
Some fluid will remain in the oil pan. Remove all of the oil pan bolts, and carefully remove the oil pan assembly.



- (b) Remove the 2 magnets from the oil pan.

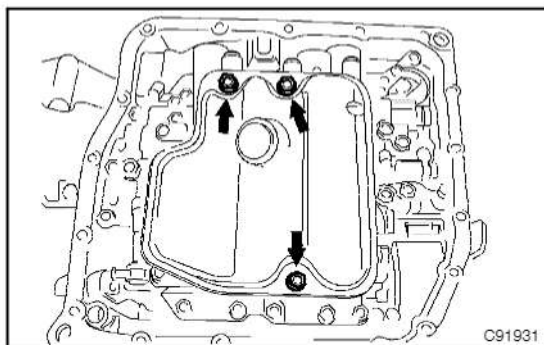


- (c) Examine the particles in the oil pan.
 - (1) Collect any steel chips with the removed magnets. Look at the chips and particles in the pan and on the magnets carefully to see the type of wear which might be found in the transaxle.
 Steel (magnetic): bearing, gear and plate wear
 Brass (non-magnetic): bearing wear



4. DISCONNECT TRANSMISSION WIRE

- (a) Disconnect the 7 shift solenoid valve connectors.
- (b) Remove the bolt and lock plate, and disconnect the ATF temperature sensor.

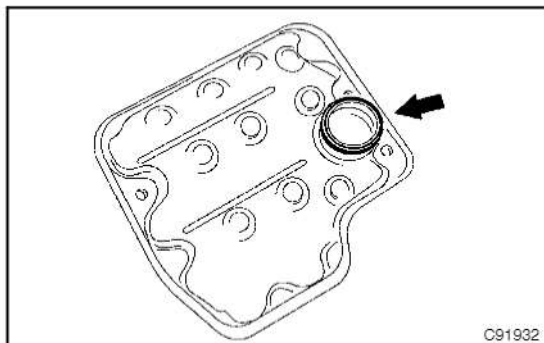


5. REMOVE VALVE BODY OIL STRAINER ASSY

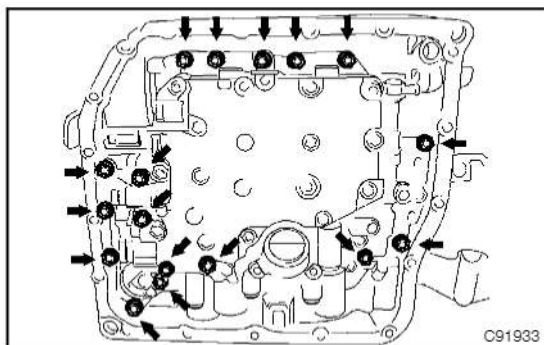
- (a) Remove the 3 bolts and oil strainer.

NOTICE:

Be careful that some fluid will come out of the oil strainer.



- (b) Remove the O-ring from the oil strainer.

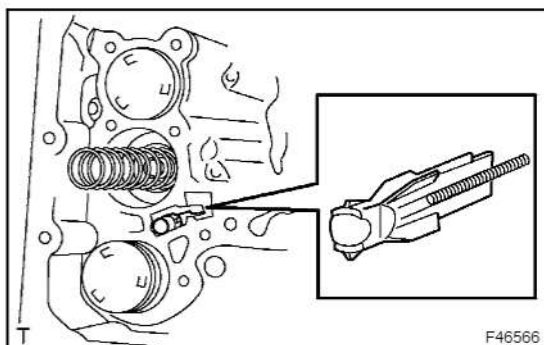


6. REMOVE TRANSMISSION VALVE BODY ASSY

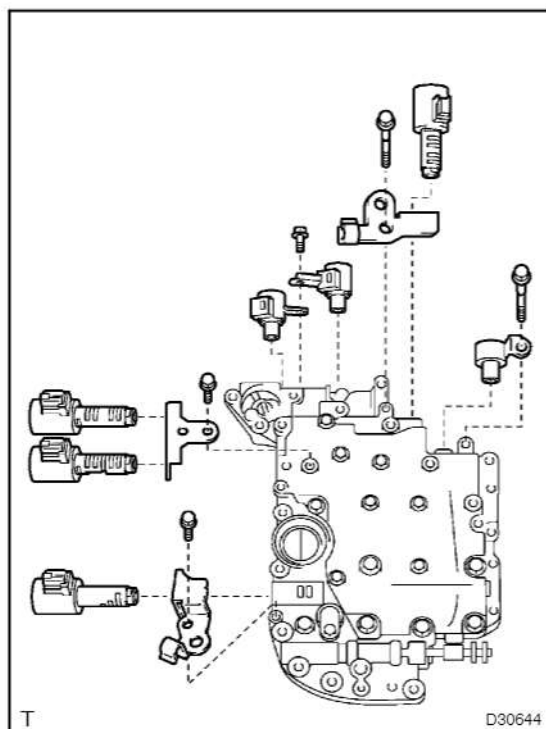
- (a) Support the valve body assy and remove the 17 bolts and the valve body assy.

NOTICE:

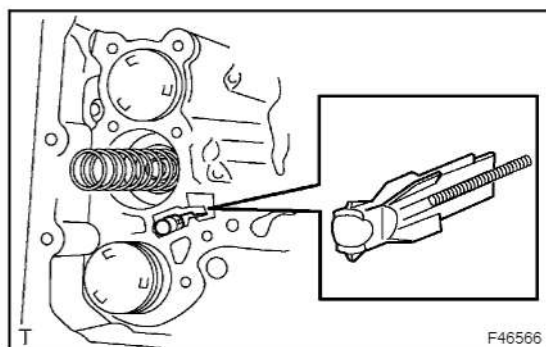
Be careful not to drop the check ball body, spring and accumulator piston.



- (b) Remove the check ball body and spring.

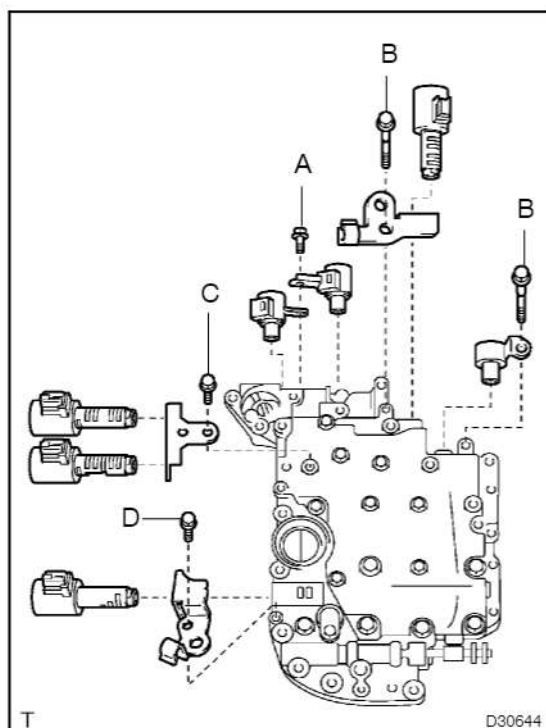


- (c) Remove the 5 bolts, 3 lock plates and 7 shift solenoid valves.



7. INSTALL TRANSMISSION VALVE BODY ASSY

- (a) Install the spring and check ball body.



- (b) Install the 7 shift solenoid valves and 3 lock plates with the 5 bolts.

Torque:

Bolts A, B: 11 N·m (110 kgf·cm, 8 ft·lbf)

Bolts C, D: 6.6 N·m (67 kgf·cm, 58 in. lbf)

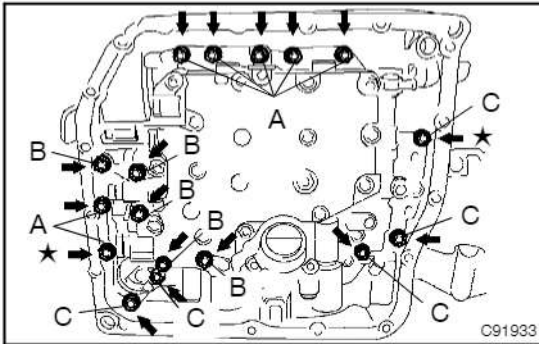
Bolt length:

Bolt A: 16 mm (0.63 in.)

Bolt B: 57 mm (2.24 in.)

Bolt C: 20 mm (0.79 in.)

Bolt D: 12 mm (0.47 in.)



- (c) Align the groove of the manual valve with the pin of the lever.
- (d) Install the 17 bolts.

Torque: 11 N·m (110 kgf·cm, 8 ft·lbf)

NOTICE:

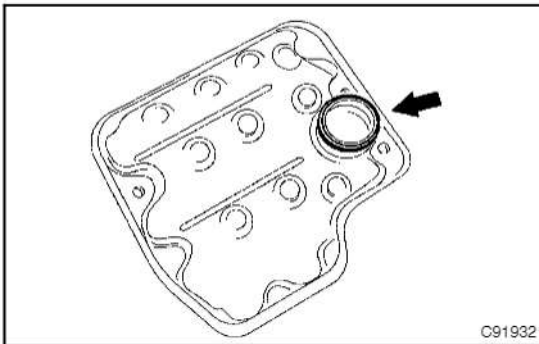
- Push the valve body against the accumulator piston spring and the check ball body to install it.
- First, temporarily tighten those bolts marked by ★ in the illustration because they are positioning bolts.

Bolt length:

Bolt A: 25 mm (0.984 in.)

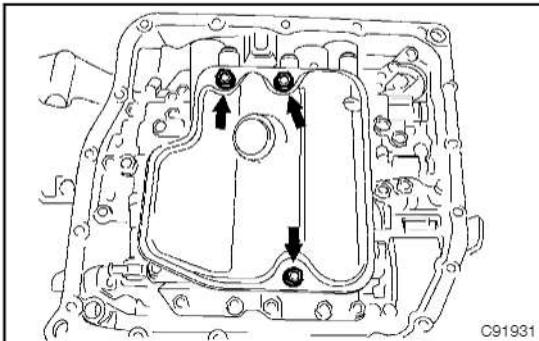
Bolt B: 57 mm (2.244 in.)

Bolt C: 41 mm (1.614 in.)

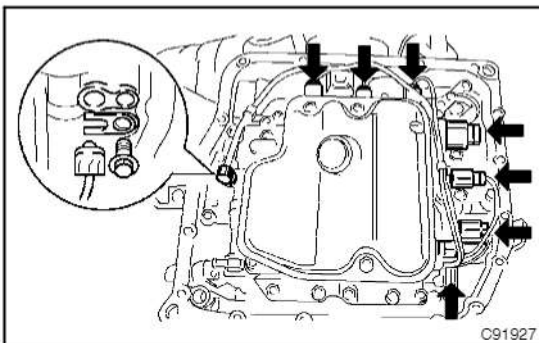


8. INSTALL VALVE BODY OIL STRAINER ASSY

- (a) Coat a new O-ring with ATF.
- (b) Install the O-ring to the oil strainer.

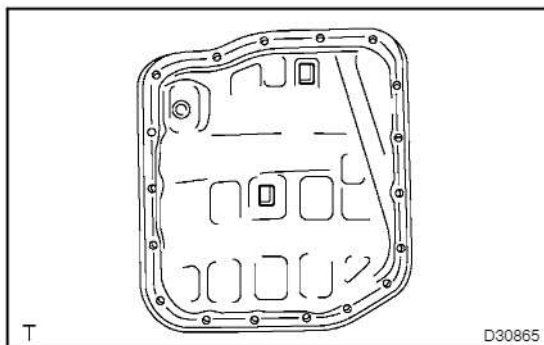


- (c) Install the oil strainer with the 3 bolts.
- Torque: 11 N·m (110 kgf·cm, 8 ft·lbf)**



9. INSTALL TRANSMISSION WIRE

- (a) Coat an O-ring with ATF.
 - (b) Install the ATF temperature sensor with the lock plate and bolt.
 - (c) Connect the 7 shift solenoid valve connectors.
- Torque: 6.6 N·m (67 kgf·cm, 58 in·lbf)**

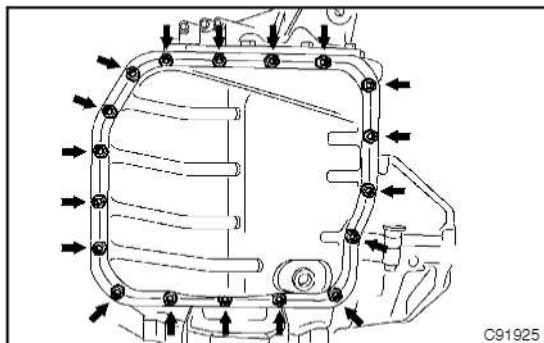


10. INSTALL AUTOMATIC TRANSAXLE OIL PAN SUB-ASSY

- (a) Install the 2 magnets to the oil pan.
- (b) Apply seal packing to the 18 bolts.

Seal packing:

THREE BOND 1344 or equivalent



- (c) Install a new gasket, the oil pan and 18 bolts to the trans-axle case.

Torque: 7.8 N·m (80 kgf·cm, 69 in·lbf)

NOTICE:

Apply seal packing to the bolts and tighten them within 10 minutes of application.

11. ADD AUTOMATIC TRANSAXLE FLUID (SEE PUB. NO. RM1018E, PAGE 40-2)
12. INSPECT AUTOMATIC TRANSAXLE FLUID (SEE PUB. NO. RM1018E, PAGE 40-2)
13. RESET MEMORY ([SEE PAGE 05-541](#))

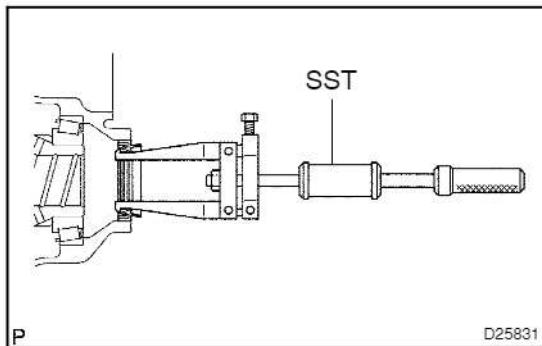
FRONT DIFFERENTIAL OIL SEAL (U151E)

40158-01

REPLACEMENT

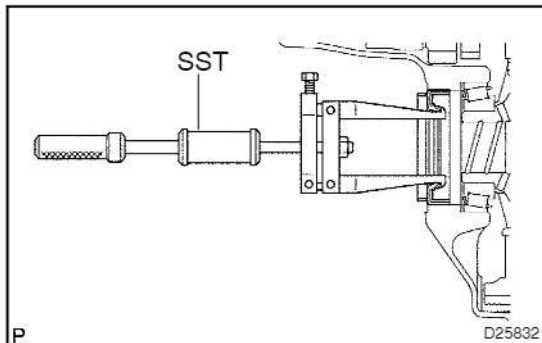
1. REMOVE FRONT WHEELS
2. REMOVE ENGINE UNDER COVER RH
3. REMOVE ENGINE UNDER COVER LH
4. DRAIN AUTOMATIC TRANSAXLE FLUID
 - (a) Remove the drain plug and gasket, and drain ATF.
 - (b) Install a new gasket and the drain plug.

Torque: 47 N·m (480 kgf·cm, 35 ft·lbf)
5. REMOVE FRONT DRIVE SHAFT ASSY RH (SEE PAGE 30-4)
6. REMOVE FRONT DRIVE SHAFT ASSY LH (SEE PAGE 30-4)



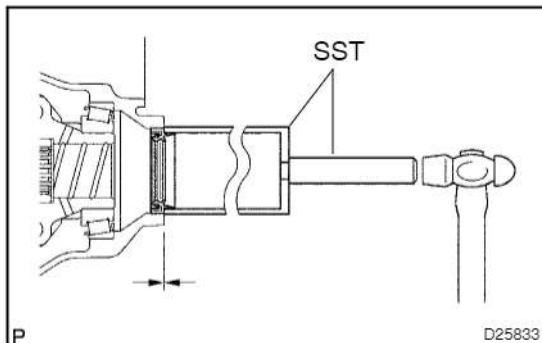
7. REMOVE TRANSAXLE HOUSING OIL SEAL

- (a) Using SST, pull out the oil seal.
SST 09308-00010



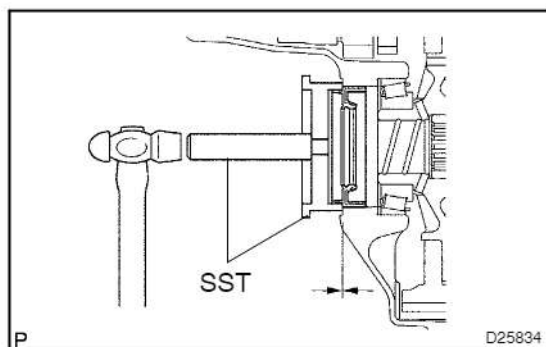
8. REMOVE DIFFERENTIAL SIDE BEARING RETAINER OIL SEAL

- (a) Using SST, pull out the oil seal.
SST 09308-00010



9. INSTALL TRANSAXLE HOUSING OIL SEAL

- (a) Using SST and a hammer, drive in a new oil seal.
SST 09316-60011 (09316-00011)
Oil seal drive in depth:
0 ± 0.5 mm (0 ± 0.020 in.)
- (b) Coat the lip of the oil seal with MP grease.



10. INSTALL DIFFERENTIAL SIDE BEARING RETAINER OIL SEAL

- (a) Using SST and a hammer, drive in a new oil seal.
SST 09649-17010, 09950-70010 (09951-07150)

Oil seal drive in depth:

0 ± 0.5 mm (0 ± 0.020 in.)

- (b) Coat the lip of the oil seal with MP grease.

11. INSTALL FRONT DRIVE SHAFT ASSY LH (SEE PAGE 30-4)

12. INSTALL FRONT DRIVE SHAFT ASSY RH (SEE PAGE 30-4)

13. INSTALL FRONT WHEELS

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

14. ADD AUTOMATIC TRANSAXLE FLUID (SEE PUB. NO. RM1018E, PAGE 40-2)

15. INSPECT AUTOMATIC TRANSAXLE FLUID (SEE PUB. NO. RM1018E, PAGE 40-2)

16. CHECK ABS SPEED SENSOR SIGNAL

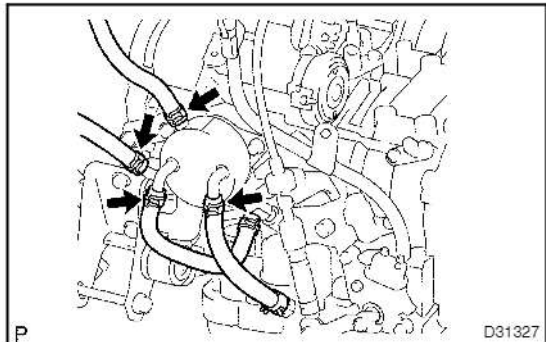
(a) ABS WITH EBD & BA & TRAC & VSC SYSTEM (SEE PUB. NO. RM1018E, PAGE 5-756)

TRANSMISSION OIL COOLER (U151E)

4015A-01

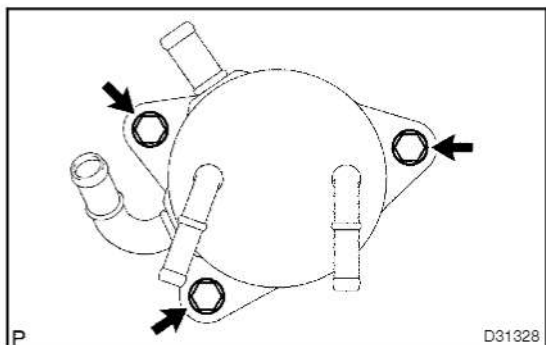
REPLACEMENT

1. DRAIN AUTOMATIC TRANSAXLE FLUID (SEE PUB. NO. RM1018E, PAGE 40-2)
2. DRAIN COOLANT (SEE PAGE 16-7)

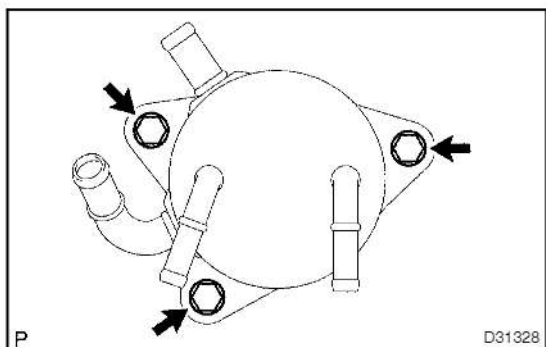


3. REMOVE TRANSMISSION OIL COOLER

- (a) Loosen the clips and disconnect the 4 hoses from the transmission oil cooler.

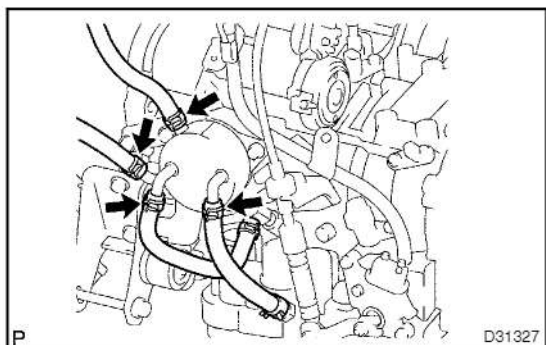


- (b) Remove the 3 bolts and the oil cooler from the bracket.



4. INSTALL TRANSMISSION OIL COOLER

- (a) Install the oil cooler to the bracket with the 3 bolts.
Torque: 12 N·m (122 kgf·cm, 9 ft·lbf)



- (b) Connect the 4 hoses with the clips to the transmission.

5. ADD COOLANT ([SEE PAGE 16-7](#))
6. ADD AUTOMATIC TRANSAXLE FLUID (SEE PUB. NO. RM1018E, PAGE 40-2)
7. INSPECT AUTOMATIC TRANSAXLE FLUID (SEE PUB. NO. RM1018E, PAGE 40-2)