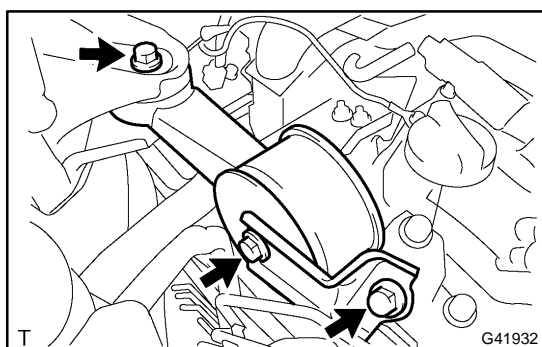
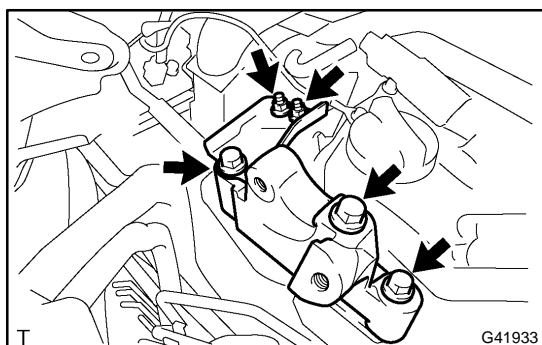


REPLACEMENT

1. PREVENT GASOLINE FROM SPILLING OUT (SEE PAGE 11-3)
2. REMOVE FRONT WHEELS
3. REMOVE ENGINE UNDER COVER RH
4. REMOVE ENGINE UNDER COVER LH
5. REMOVE FRONT FENDER APRON SEAL RH
6. DRAIN ENGINE OIL
7. DRAIN ENGINE COOLANT (SEE PAGE 16-8)
8. DRAIN AUTOMATIC TRANSAXLE FLUID
9. REMOVE WINDSHIELD WIPER LINK ASSY (SEE PAGE 66-4)
10. REMOVE COWL TOP PANEL OUTER (SEE PAGE 32-21)
11. REMOVE BATTERY
12. REMOVE V-BANK COVER SUB-ASSY
 - (a) Disconnect the 3 clips, and remove the cover.
13. REMOVE FAN AND GENERATOR V BELT (SEE PAGE 14-6)
SST 09249-63010
14. REMOVE RADIATOR RESERVE TANK ASSY



15. REMOVE ENGINE MOVING CONTROL ROD
 - (a) Remove the 3 bolts, mounting stay No.3 RH and moving control rod.

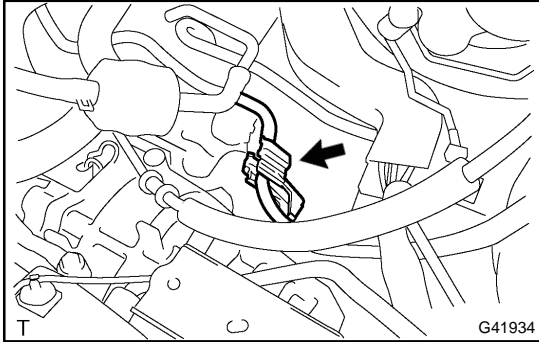


16. REMOVE ENGINE MOUNTING CONTROL BRACKET
 - (a) Remove the 3 bolts and 2 nuts, mounting stay No. 2 RH and mounting control bracket.

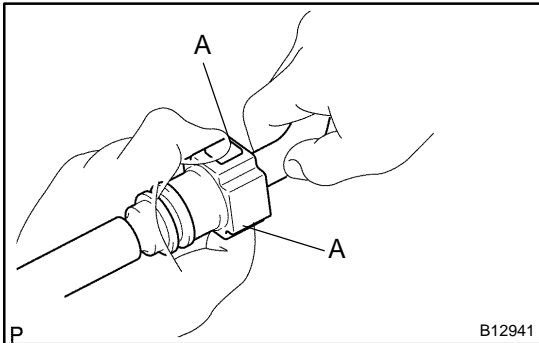
17. REMOVE AIR CLEANER INLET NO.2
 - (a) Remove the 2 bolts and air cleaner inlet No.2.
18. REMOVE AIR CLEANER ASSEMBLY WITH HOSE
 - (a) Disconnect the 3 vacuum hoses and ventilation hose No.2.
 - (b) Disconnect the MAF meter connector and clamp.
 - (c) Remove the hose clamp, 3 clips and air cleaner cap.
 - (d) Remove the 3 bolts and air cleaner case.
19. REMOVE AIR CLEANER INLET NO.1
 - (a) Remove the bolt and air cleaner inlet No.1.

20. REMOVE INTAKE AIR RESONATOR SUB-ASSY

(a) Remove the clip, bolt and intake air resonator.

21. REMOVE INTAKE AIR SURGE TANK (SEE PAGE 11-15)**22. SEPARATE FUEL TUBE SUB-ASSY**

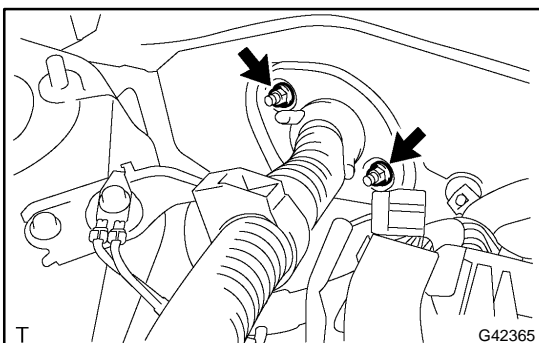
(a) Remove the fuel pipe clamp No.1.



(b) Disconnect the connector from the tube while pinching part A with your fingers as shown in the illustration.

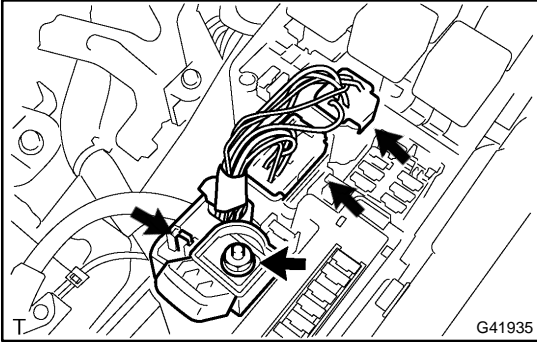
NOTICE:

- **Check for contamination in the pipe and around the connector. Clean if necessary and then disconnect the connector.**
- **Disconnect the connector by hand.**
- **Do not bend, fold or rotate the nylon tube.**
- **If the pipe and connector are stuck together, push and pull the connector until it comes free.**
- **Put the pipe and connector ends in vinyl bags to prevent damage and contamination.**

23. REMOVE RADIATOR HOSE INLET**24. REMOVE RADIATOR HOSE OUTLET****25. DISCONNECT OIL COOLER INLET HOSE****26. DISCONNECT OIL COOLER OUTLET HOSE****27. DISCONNECT HEATER WATER INLET HOSE A****28. DISCONNECT HEATER WATER OUTLET HOSE A****29. REMOVE RELAY BLOCK COVER UPPER****30. REMOVE FRONT DOOR SCUFF PLATE RH (SEE PAGE 71-7)****31. REMOVE COWL SIDE TRIM SUB-ASSY RH (SEE PAGE 71-7)****32. REMOVE INSTRUMENT PANEL FINISH LOWER PANEL RH (SEE PAGE 71-7)****33. DISCONNECT ENGINE WIRE**

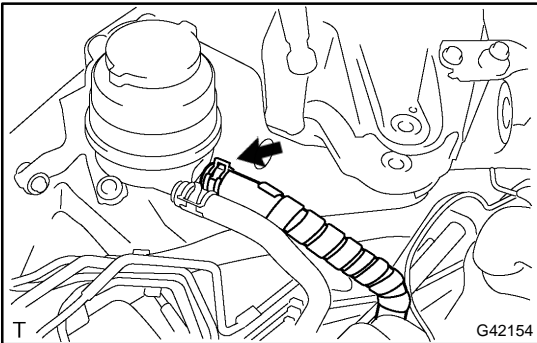
(a) Remove the 2 nuts and engine wire from the body.

(b) Disconnect the engine wire from the ECM and passenger side J/B.

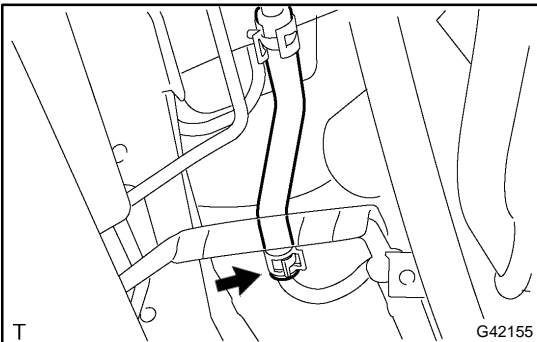


- (c) Disconnect the engine wire from the engine room J/B.
 - (1) Remove the nut and separate the wire harness.
 - (2) Using a screwdriver, unlock the engine room J/B. Pull the engine room J/B upward.
 - (3) Disconnect the engine wire connectors.
- (d) Pull out the engine wire.
- (e) Remove the body ground.

34. DISCONNECT TRANSMISSION CONTROL CABLE ASSY (SEE PAGE 40-45)



35. DISCONNECT OIL RESERVOIR TO PUMP HOSE NO.1



36. DISCONNECT STEERING GEAR OUTLET RETURN TUBE

37. REMOVE EXHAUST PIPE NO.1 SUPPORT BRACKET (SEE PAGE 15-2)

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

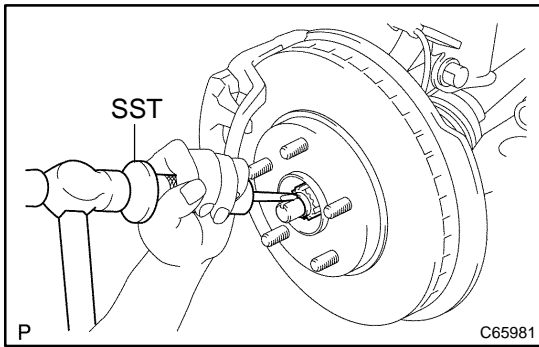
39. DISCONNECT FRONT STABILIZER LINK ASSY LH

- (a) Using a 6 mm socket hexagon wrench, hold the ball stud.
- (b) Remove the nut and disconnect the stabilizer link.

40. DISCONNECT FRONT STABILIZER LINK ASSY RH

HINT:

Use the same procedures described for the LH side.

**41. REMOVE FRONT AXLE HUB LH NUT**

- (a) Using SST and a hammer, strike the lock nut covering to remove it.

SST 09930-00010

NOTICE:

- Set the drive shaft's groove so that it faces up. Then use the SST and a hammer.
 - Remove the covering from the lock nut completely. Otherwise the screw of the drive shaft may be damaged.
 - Do not sharpen the tip of the SST.
- (b) Using a 30 mm socket wrench, remove the lock nut.

42. REMOVE FRONT AXLE HUB RH NUT**HINT:**

Use the same procedures described for the LH side.

43. DISCONNECT SPEED SENSOR FRONT LH

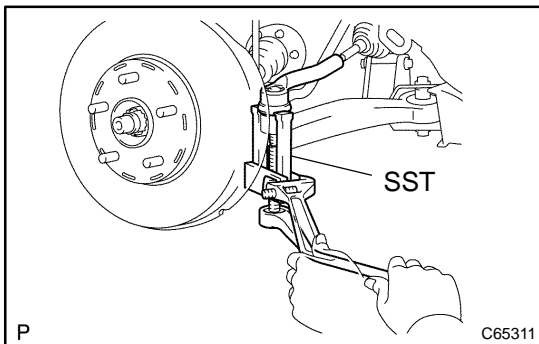
- (a) Remove the bolt and disconnect the speed sensor from the steering knuckle.

NOTICE:

Keep the speed sensor tip and connection free of foreign matter.

44. DISCONNECT SPEED SENSOR FRONT RH**HINT:**

Use the same procedures described for the LH side.

**45. DISCONNECT TIE ROD ASSY LH**

- (a) Remove the cotter pin and nut.
- (b) Using SST, disconnect the tie rod end from the steering knuckle.

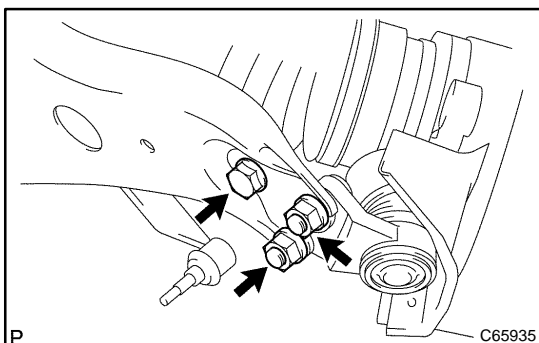
SST 09628-6201 1

NOTICE:

Do not damage the dust cover of the ball joint.

46. DISCONNECT TIE ROD ASSY RH**HINT:**

Use the same procedures described for the LH side.

**47. DISCONNECT FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 LH**

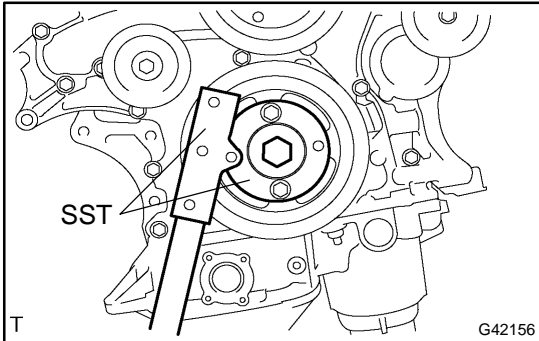
- (a) Remove the bolt and 2 nuts, and separate the front suspension arm from the lower ball joint.
- (b) Using a plastic hammer, disconnect the drive shaft from the axle hub.

48. DISCONNECT FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 RH

HINT:

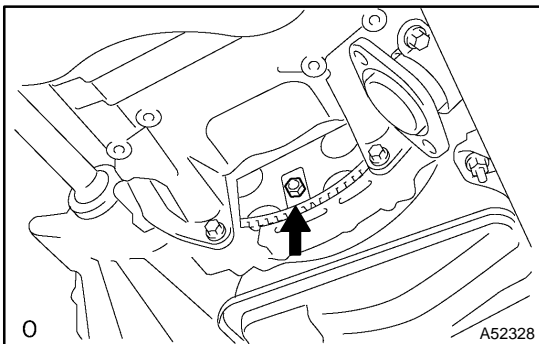
Use the same procedures described for the LH side.

49. REMOVE EXHAUST PIPE SUPPORT BRACKET NO.1 (SEE PAGE 15-2)

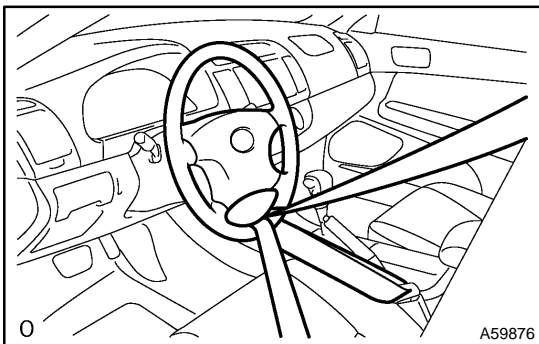


50. REMOVE DRIVE PLATE & TORQUE CONVERTER CLUTCH SETTING BOLT

- (a) Using SST, hold the crankshaft.
SST 09213-7001 1 (09213-70020), 09330-00021
- (b) Remove the 2 bolts and flywheel housing under cover.



- (c) Remove the 6 torque converter setting bolts.

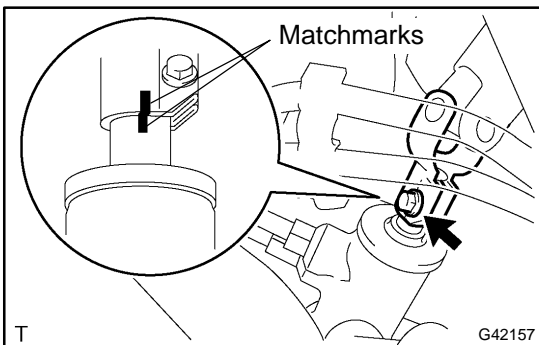


51. DISCONNECT STEERING INTERMEDIATE SHAFT ASSY

- (a) To prevent the steering wheel from rotating, fix the wheel with the seat belt.

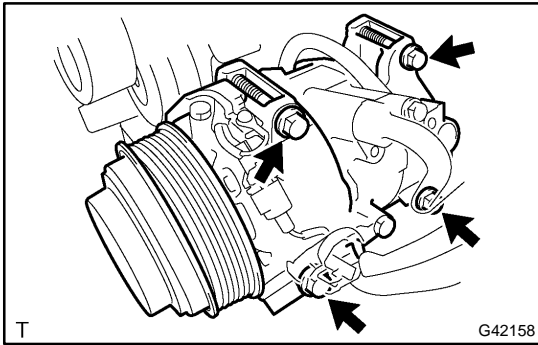
NOTICE:

If the steering wheel is not fixed, the spiral cable will be damaged.



- (b) Put matchmarks on the steering intermediate shaft and control valve shaft.
- (c) Remove the bolt and disconnect the steering intermediate shaft.

52. REMOVE GENERATOR ASSY (SEE PAGE 19-25)

**53. SEPARATE COOLER COMPRESSOR ASSY**

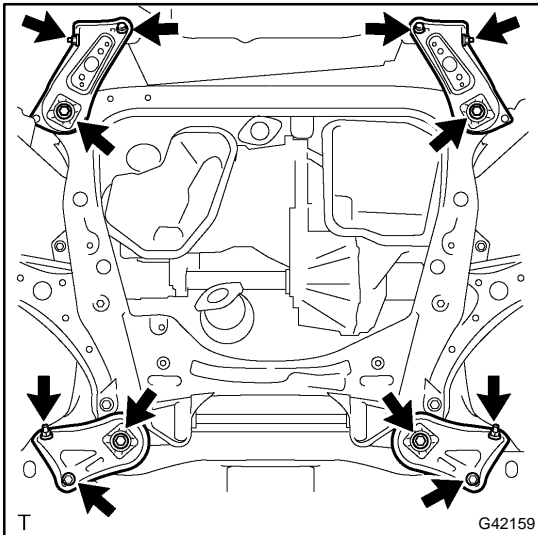
- (a) Remove the 2 connector clamps.
- (b) Remove the 4 bolts and separate the compressor.

HINT:

Hang up the hoses instead of detaching them.

54. REMOVE ENGINE ASSEMBLY WITH TRANSAXLE

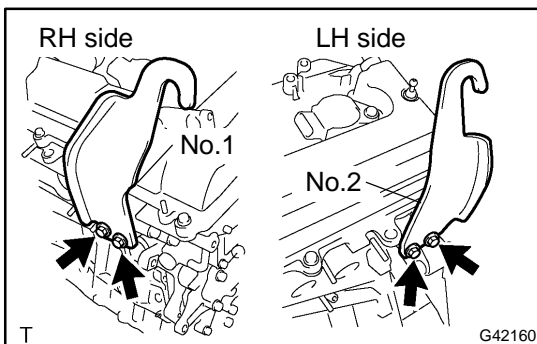
- (a) Set the engine lifter.



- (b) Remove the 4 bolts, 2 nuts, frame side rail plate RH and LH.
- (c) Remove the 4 bolts, 2 nuts, front suspension member brace rear RH and LH.
- (d) Operate the engine lifter, then remove the engine assembly from the vehicle.

NOTICE:

Make sure the engine is clear of all wiring and hoses.



- (e) Install the 2 engine hangers with the 4 bolts as shown in the illustration

Part NO.:

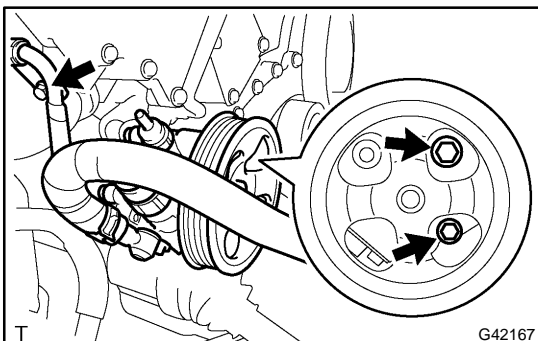
Engine hanger No.1 12281-31070

Engine hanger No.2 12282-31050

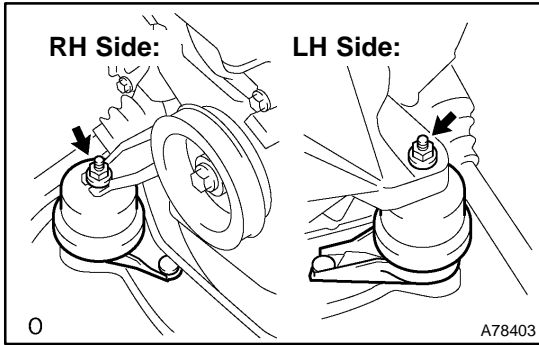
Bolts 91671-10825

Torque: 33 N·m (337 kgf·cm, 24 ft·lbf)

- (f) Attach the engine sling device and hang the engine with the chain block.

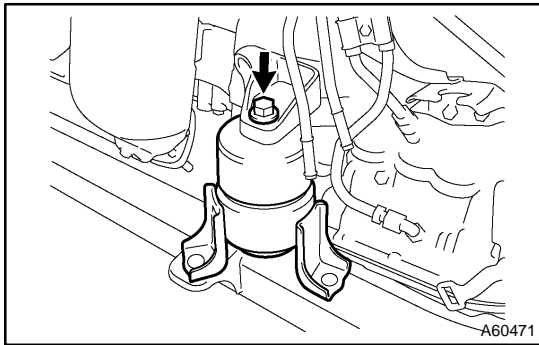
**55. REMOVE VANE PUMP ASSY**

- (a) Remove the pressure feed tube clamp bolt.
- (b) Remove the 2 bolts, nut and vane pump.



56. REMOVE FRONT FRAME ASSY

(a) Remove the 2 nuts and disconnect the engine mounting insulators RH and LH.

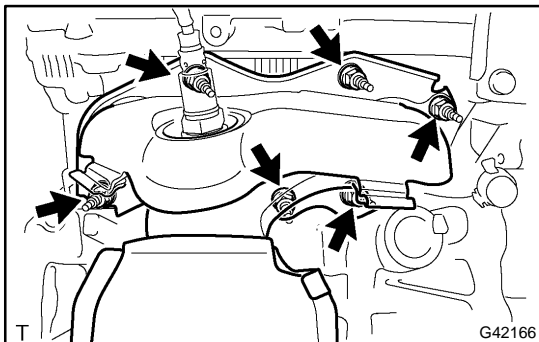


(b) Remove the bolt and disconnect the engine mounting insulator FR.

- 57. REMOVE FRONT DRIVE SHAFT ASSY LH (SEE PAGE 30-7)
- 58. REMOVE FRONT DRIVE SHAFT ASSY RH (SEE PAGE 30-7)
- 59. REMOVE ENGINE WIRE
- 60. REMOVE STARTER ASSY (SEE PAGE 19-9)
- 61. REMOVE AUTOMATIC TRANSAXLE ASSY (SEE PAGE 40-8)
- 62. REMOVE DRIVE PLATE & RING GEAR SUB-ASSY (SEE PAGE 14-208)
SST 09213-7001 1 (09213-70020), 09330-00021
- 63. INSTALL ENGINE STAND
- 64. REMOVE IGNITION COIL ASSY
- (a) Remove the 6 bolts and 6 ignition coils.
- 65. REMOVE ENGINE MOUNTING STAY NO.2 RH
- (a) Remove the bolt and mounting stay No.2 RH.
- 66. REMOVE INTAKE MANIFOLD (SEE PAGE 14-188)

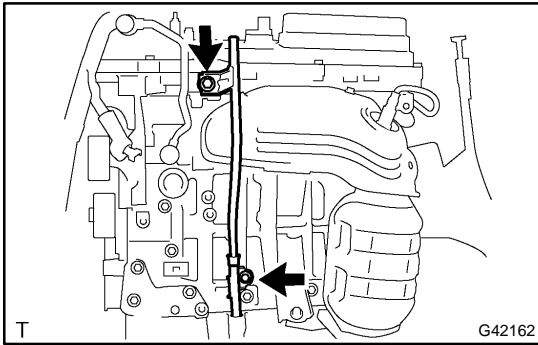
67. REMOVE EXHAUST MANIFOLD SUB-ASSY RH

(a) Disconnect the A/F sensor connector clamp.

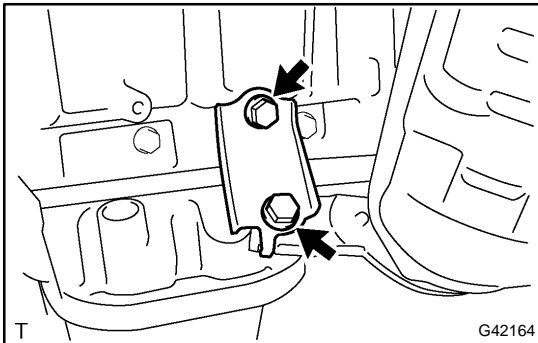


(b) Uniformly loosen and remove the 6 nuts.

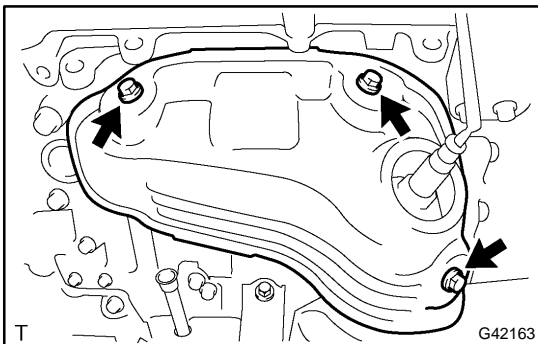
(c) Remove the manifold and gasket.



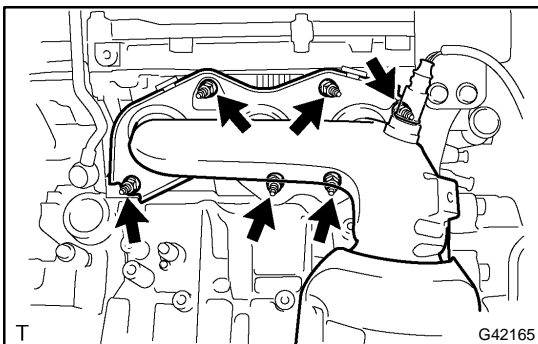
- 68. REMOVE OIL LEVEL GAUGE GUIDE SUB-ASSY**
- Remove the oil level gauge.
 - Remove the 2 bolts, oil level gauge guides No.1 and No.2.
 - Remove the O-rings from the oil level gauge guide.



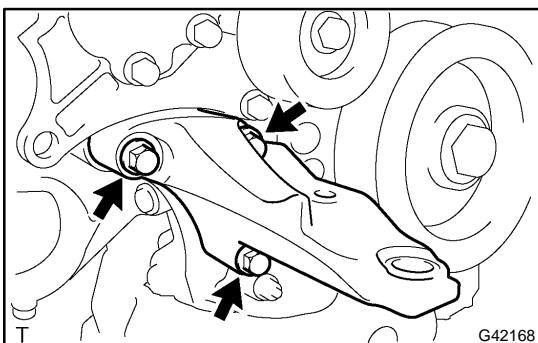
- 69. REMOVE MANIFOLD STAY NO.2**
- Remove the 2 bolts and manifold stay No.2.



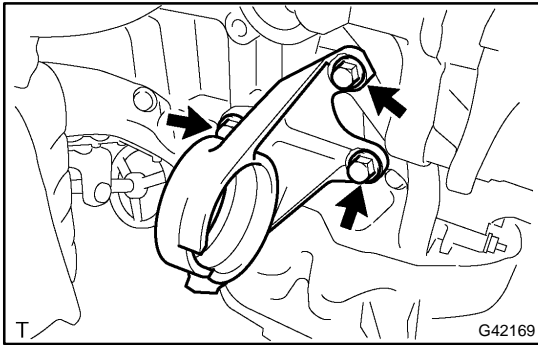
- 70. REMOVE EXHAUST MANIFOLD HEAT INSULATOR NO.2**
- Remove the 3 bolts and insulator No.2.



- 71. REMOVE EXHAUST MANIFOLD SUB-ASSY LH**
- Uniformly loosen and remove the 6 nuts.
 - Remove the manifold and gasket.

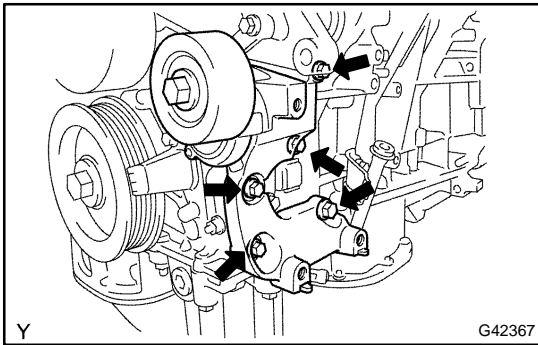


- 72. REMOVE ENGINE MOUNTING BRACKET RH**
- Remove the 3 bolts and engine mounting bracket RH.



73. REMOVE DRIVE SHAFT BEARING BRACKET

- (a) Remove the 3 bolts and drive shaft bearing bracket.

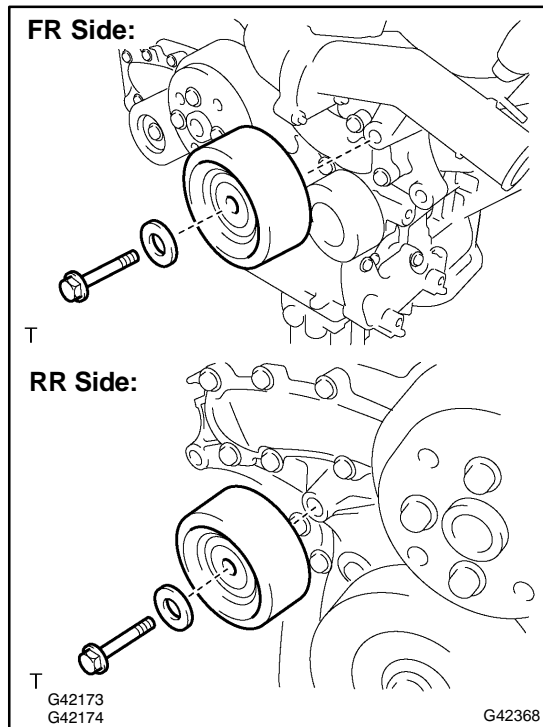


74. REMOVE V-RIBBED BELT TENSIONER ASSY

- (a) Remove the 5 bolts and V-ribbed belt tensioner assy.

75. REMOVE TIMING GEAR COVER NO.2

- (a) Remove the 2 bolts and timing gear cover No.2.

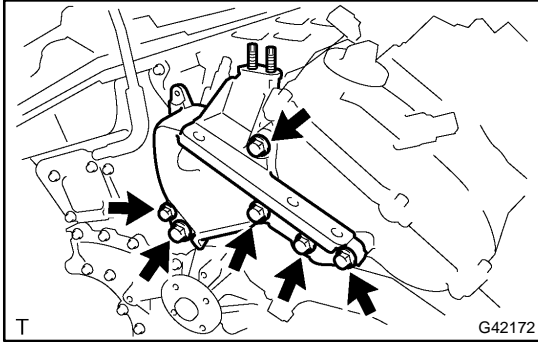


76. REMOVE IDLER PULLEY SUB-ASSY NO.2

- (a) Remove the bolt, plate and idler pulley sub-assy No.2.

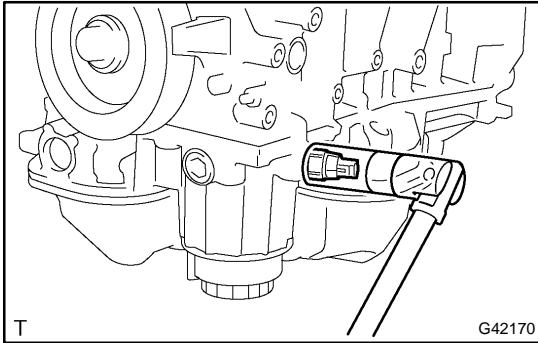
77. REMOVE WATER PUMP PULLEY (SEE PAGE 16-10)

SST 09960-10010 (09962-01000, 09963-00700)



78. REMOVE ENGINE MOUNTING BRACKET FRONT NO.1 LH

- (a) Remove the 6 bolts and engine mounting bracket front No.1 LH.

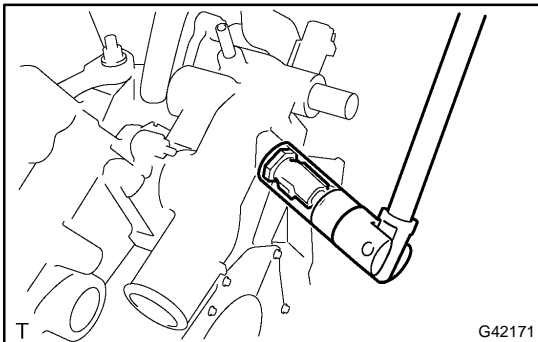


79. REMOVE ENGINE OIL PRESSURE SWITCH ASSY

- (a) Using a 24 mm deep socket wrench, remove the engine oil pressure switch assy.

80. REMOVE KNOCK CONTROL SENSOR

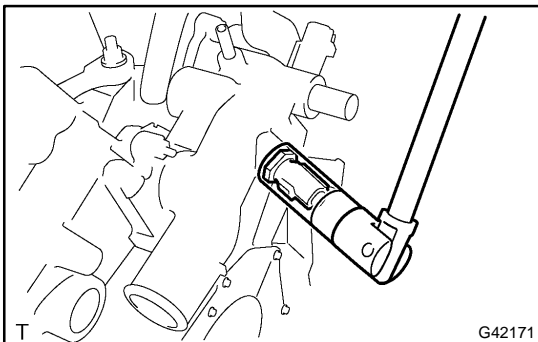
- (a) Remove 2 bolts and 2 sensors.



81. REMOVE E.F.I.ENGINE COOLANT TEMPERATURE SENSOR

- (a) Using a 19 mm deep socket wrench, remove the EFI engine coolant temperature sensor and gasket.

82. REPLACE PARTIAL ENGINE ASSY

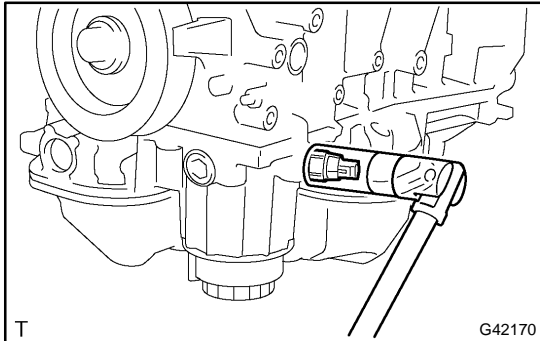


83. INSTALL E.F.I.ENGINE COOLANT TEMPERATURE SENSOR

- (a) Using a 19 mm deep socket wrench, install the EFI engine coolant temperature sensor and a new gasket.

Torque: 20 N·m (200 kgf·cm, 14 ft·lbf)

84. INSTALL KNOCK CONTROL SENSOR (SEE PAGE 10-19)



85. INSTALL ENGINE OIL PRESSURE SWITCH ASSY

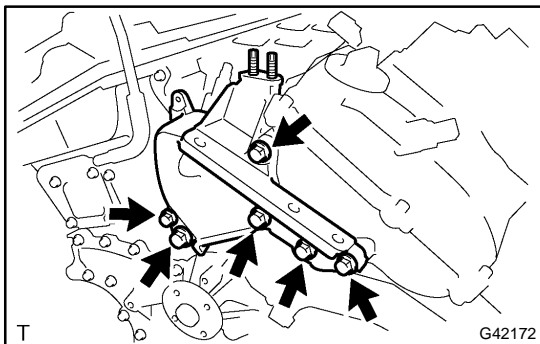
- (a) Clean the threads of the oil pressure switch. Apply adhesive to 2 or 3 threads of the oil pressure switch.

Adhesive:

Part No. 08833-00080 THREE BOND 1344, LOCTITE 242 or equivalent

- (b) Using a 24 mm deep socket wrench install the oil pressure switch.

Torque: 21 N·m (214 kgf·cm, 15 ft·lbf)



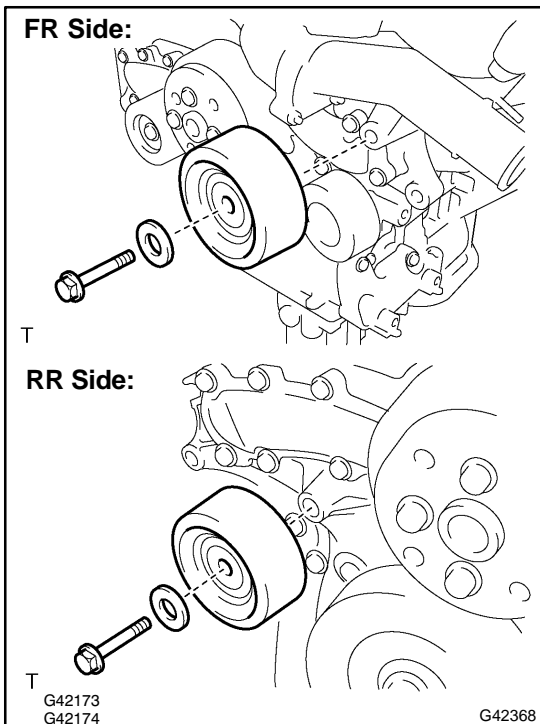
86. INSTALL ENGINE MOUNTING BRACKET FRONT NO.1 LH

- (a) Install the engine mounting bracket front No.1 LH with the 6 bolts.

Torque: 54 N·m (551 kgf·cm, 40 ft·lbf)

87. INSTALL WATER PUMP PULLEY (SEE PAGE 16-10)

SST 09960-10010 (09962-01000, 09963-00700)



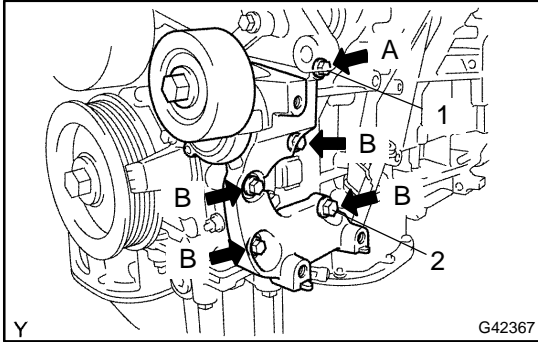
88. INSTALL IDLER PULLEY SUB-ASSY NO.2

- (a) Install the idler pulley sub-assy No.2 and cover plate with the bolt.

Torque: 43 N·m (438 kgf·cm, 32 ft·lbf)

89. INSTALL TIMING GEAR COVER NO.2

- (a) Install the timing gear cover No.2 with the 2 bolts.

Torque: 6.0 N·m (61 kgf·cm, 53 in·lbf)**90. INSTALL V-RIBBED BELT TENSIONER ASSY**

- (a) Temporarily install the V-ribbed belt tensioner with the 5 bolts.
- (b) Install the V-ribbed belt tensioner by tightening the bolt 1 and bolt 2 in the order shown in the illustration.

Torque: 43 N·m (438 kgf·cm, 32 ft·lbf)

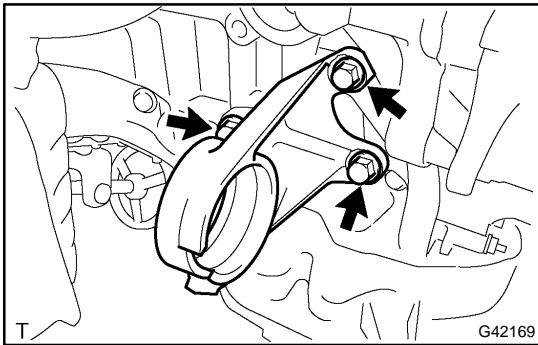
- (c) Tighten the other bolts.

Torque: 43 N·m (438 kgf·cm, 32 ft·lbf)**HINT:**

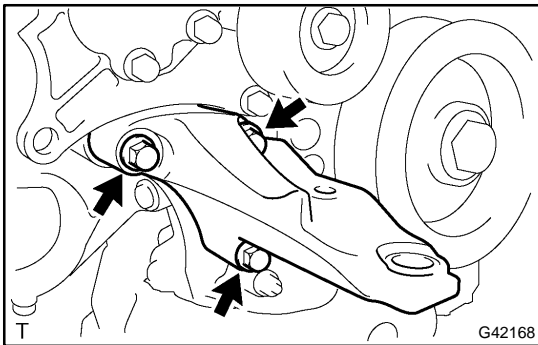
Each bolt length is as follows:

A: 70 mm (2.76 in.)

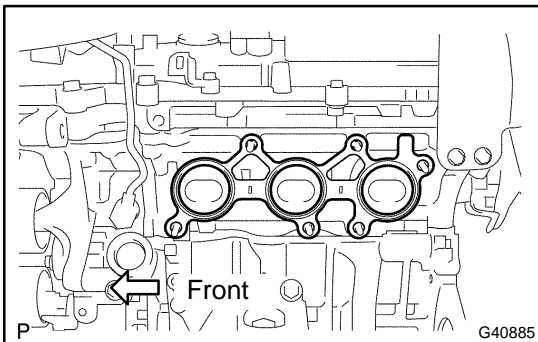
B: 33 mm (1.30 in.)

**91. INSTALL DRIVE SHAFT BEARING BRACKET**

- (a) Install the drive shaft bearing bracket with the 3 bolts.

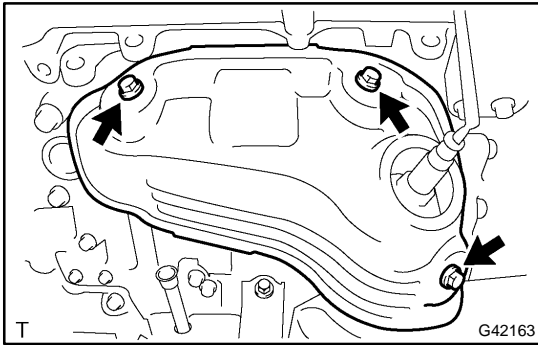
Torque: 64 N·m (650 kgf·cm, 47 ft·lbf)**92. INSTALL ENGINE MOUNTING BRACKET RH**

- (a) Install the engine mounting bracket RH with the 3 bolts.

Torque: 54 N·m (551 kgf·cm, 40 ft·lbf)**93. INSTALL EXHAUST MANIFOLD SUB-ASSY LH**

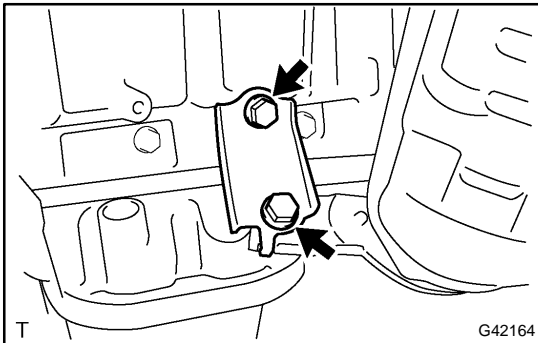
- (a) Install a new gasket as shown in the illustration.
- (b) Install the exhaust manifold sub-assy RH with the 6 nuts.

Torque: 21 N·m (214 kgf·cm, 15 ft·lbf)



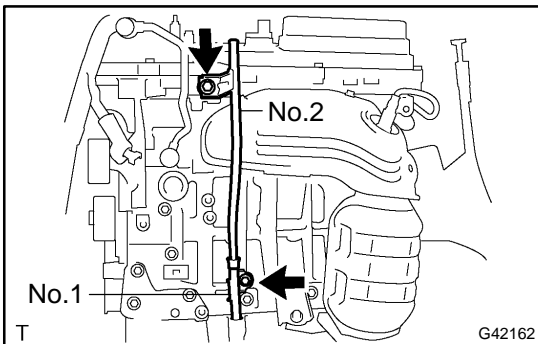
94. INSTALL EXHAUST MANIFOLD HEAT INSULATOR NO.2

- (a) Install the insulator No.2 with the 3 bolts.
Torque: 8.5 N·m (87 kgf·cm, 75 in.·lbf)



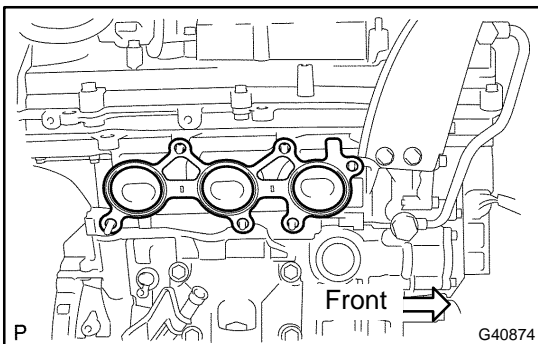
95. INSTALL MANIFOLD STAY NO.2

- (a) Install the manifold stay No.2 with the 2 bolts.
Torque: 34 N·m (347 kgf·cm, 25 ft·lbf)



96. INSTALL OIL LEVEL GAUGE GUIDE SUB-ASSY

- (a) Install 2 new O-rings to the oil level gauge guide.
 (b) Apply a coat of engine oil lightly to the O-rings.
 (c) Push in the oil level gauge guide end into the guide hole.
 (d) Install the oil level gauge guide No.1 with the bolt.
Torque: 21 N·m (214 kgf·cm, 15 ft·lbf)
 (e) Install the oil level gauge guide No.2 with the bolt.
Torque: 21 N·m (214 kgf·cm, 15 ft·lbf)
 (f) Install the oil level gauge.



97. INSTALL EXHAUST MANIFOLD SUB-ASSY RH

- (a) Install a new gasket as shown in the illustration.
 (b) Install the exhaust manifold sub-assy RH with the 6nuts.
Torque: 21 N·m (214 kgf·cm, 15 ft·lbf)

98. INSTALL INTAKE MANIFOLD (SEE PAGE 14-188)

99. INSTALL ENGINE MOUNTING STAY NO.2 RH

- (a) Install the mounting stay No.2 RH with the bolt.
Torque: 21 N·m (214 kgf·cm, 15 ft·lbf)

100. INSTALL IGNITION COIL ASSY

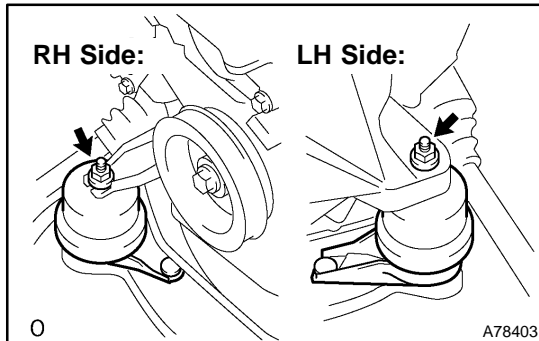
- (a) Install the 6 ignition coil assy with the 6 bolts.
Torque: 10 N·m (102 kgf·cm, 7 in.·lbf)

101. INSTALL DRIVE PLATE & RING GEAR SUB-ASSY (SEE PAGE 14-208)

SST 09213-7001 1, 09330-00021, 09330-00021

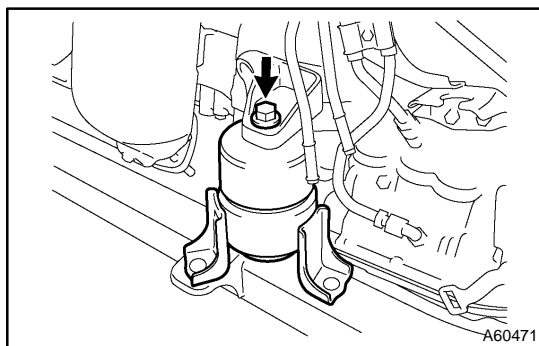
102. INSTALL AUTOMATIC TRANSAXLE ASSY (SEE PAGE 40-8)

2005 AVALON REPAIR MANUAL (RM1169U)

103. INSTALL STARTER ASSY (SEE PAGE 19-9)**104. INSTALL ENGINE WIRE****105. INSTALL FRONT DRIVE SHAFT ASSY RH (SEE PAGE 30-7)****106. INSTALL FRONT DRIVE SHAFT ASSY LH (SEE PAGE 30-7)****107. INSTALL FRONT FRAME ASSY**

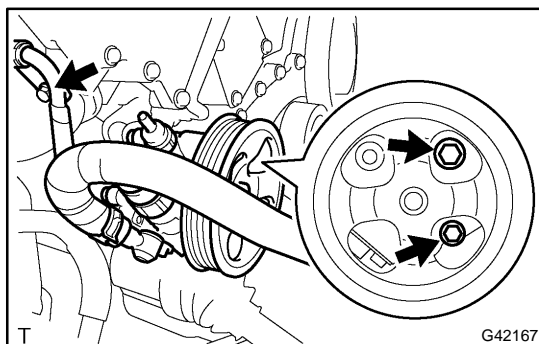
- (a) Install the engine mounting insulators RH and LH with the 2 nuts.

Torque: 95 N·m (969 kgf·cm, 70 ft·lbf)



- (b) Install the engine mounting insulator FR with the bolt.

Torque: 87 N·m (887 kgf·cm, 64 ft·lbf)

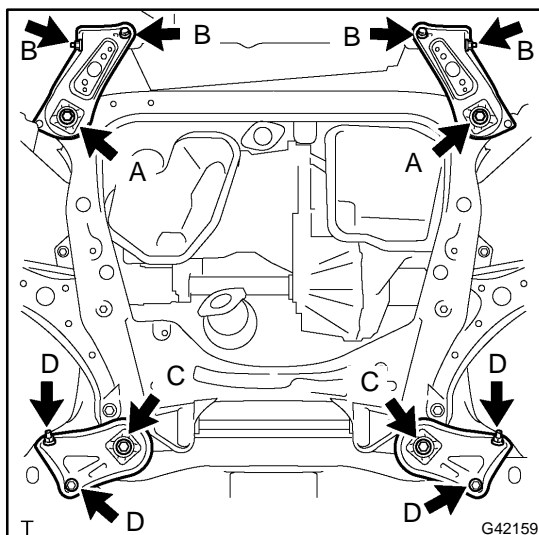
**108. INSTALL VANE PUMP ASSY**

- (a) Install the vane pump with the 2 bolts and nut.

Torque: 43 N·m (438 kgf·cm, 32 ft·lbf)

- (b) Install the pressure feed tube clamp bolt.

Torque: 9.8 N·m (100 kgf·cm, 87 in·lbf)

**109. INSTALL ENGINE ASSEMBLY WITH TRANSAXLE**

- (a) Set the engine assembly with transaxle on the engine lifter.

- (b) Install the engine assembly to the vehicle.

- (c) Install the frame side rail plates RH and LH with the 4 bolts and 2 nuts.

Torque:

85 N·m (867 kgf·cm, 63 ft·lbf) for A

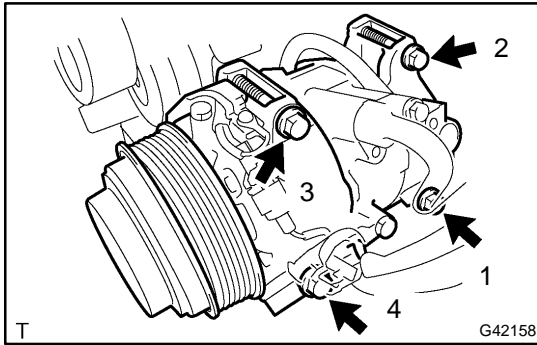
32 N·m (329 kgf·cm, 24 ft·lbf) for B

- (d) Install the front suspension member brace rears RH and LH with the 4 bolts and 2 nuts.

Torque:

85 N·m (867 kgf·cm, 63 ft·lbf) for C

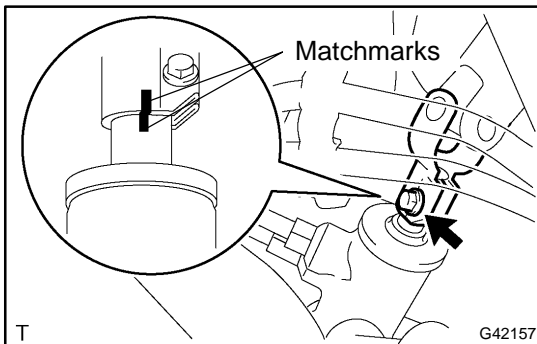
32 N·m (329 kgf·cm, 24 ft·lbf) for D

**110. INSTALL COOLER COMPRESSOR ASSY**

- (a) Temporarily install the cooler compressor with the 4 bolts.
- (b) Install the compressor with the 4 bolts by tightening the bolt in the order shown in the illustration.

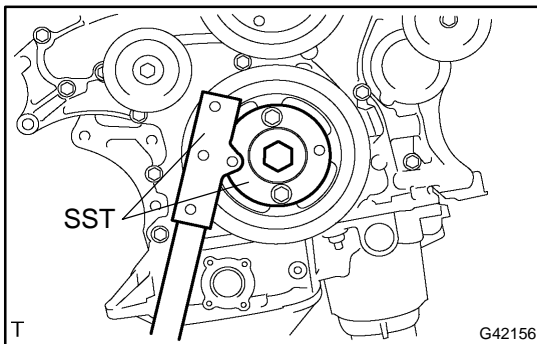
Torque: 25 N·m (250 kgf·cm, 18 ft·lbf)

- (c) Install the 2 connector clamps.

111. INSTALL GENERATOR ASSY (SEE PAGE 19-25)**112. INSTALL STEERING INTERMEDIATE SHAFT ASSY**

- (a) Align the matchmarks on the intermediate shaft and control valve shaft, and install the bolt.

Torque: 35 N·m (360 kgf·cm, 26 ft·lbf)

**113. INSTALL DRIVE PLATE & TORQUE CONVERTER CLUTCH SETTING BOLT**

- (a) Using SST, hold the crankshaft.
SST 09213-7001 1 (09213-70020), 09330-00021
- (b) Using kerosene or gasoline, clean the bolts thoroughly.
- (c) Apply adhesive to 2 or 3 threads of the bolt end.

Adhesive:

Part No. 08833-00070, THREE BOND 1324 or equivalent

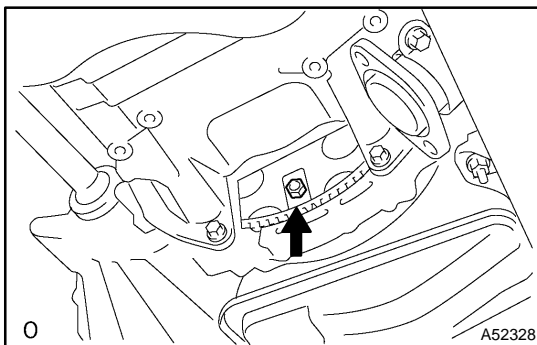
- (d) Install the 6 torque converter set bolts.

Torque: 41 N·m (413 kgf·cm, 30 ft·lbf)

NOTICE:

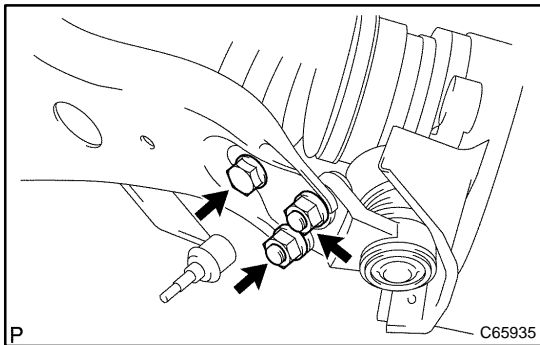
First tighten the green colored bolt, then the other 5 bolts.

- (e) Install the flywheel housing under cover with the 2 bolts.
Torque: 7.8 N·m (80 kgf·cm, 69 in·lbf)

**114. INSTALL EXHAUST PIPE SUPPORT BRACKET NO.1**

- (a) Install the exhaust pipe support bracket No.1 with the 2 bolts.

Torque: 21 N·m (214 kgf·cm, 15 ft·lbf)



115. INSTALL FRONT SUSPENSION ARM SUB- ASSY LOWER NO.1 LH

- (a) Install the drive shaft to the steering knuckle.
- (b) Install the suspension lower arm with the bolt and 2 nuts.
Torque: 75 N·m (764 kgf·cm, 55 ft·lbf)

116. INSTALL FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 RH

HINT:

Use the same procedures described for the LH side.

117. INSTALL TIE ROD ASSY LH

- (a) Connect the tie rod end to the steering knuckle with the castle nut.
Torque: 49 N·m (500 kgf·cm, 36 ft·lbf)

NOTICE:

- Prevent lubricants from contacting the thread and taper portions.
 - After tightening the castle nut, tighten additional 60° so that a cotter pin can be inserted.
- (b) Insert a new cotter pin.

118. INSTALL TIE ROD ASSY RH

HINT:

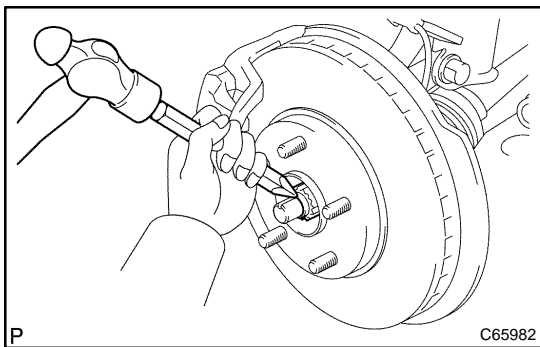
Use the same procedures described for the LH side.

119. INSTALL SPEED SENSOR FRONT LH (SEE PAGE 30-7)

120. INSTALL SPEED SENSOR FRONT RH

HINT:

Use the same procedures described for the LH side.



121. INSTALL FRONT AXLE HUB LH NUT

- (a) Using a 30 mm socket wrench, install a new hub nut.
Torque: 294 N·m (2,998 kgf·cm, 217 ft·lbf)
- (b) Using a chisel and hammer, tap the hub nut.

122. INSTALL FRONT AXLE HUB RH NUT

HINT:

Use the same procedures described for the LH side.

123. INSTALL FRONT STABILIZER LINK ASSY LH

- (a) Using a 6 mm socket hexagon wrench, hold the ball stud and install the nut.
Torque: 74 N·m (755 kgf·cm, 55 ft·lbf)

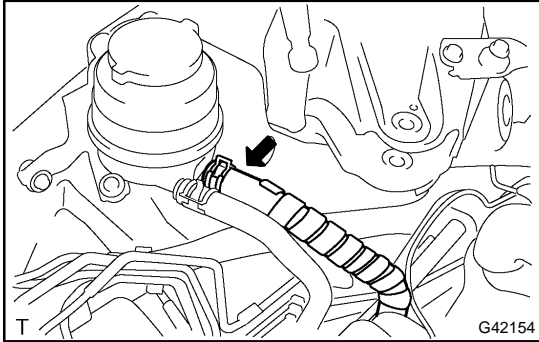
124. INSTALL FRONT STABILIZER LINK ASSY RH

HINT:

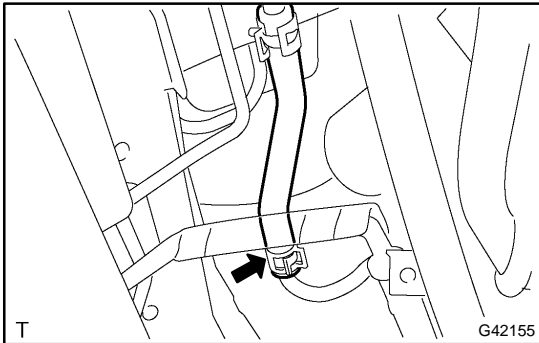
Use the same procedures described for the LH side.

125. INSTALL EXHAUST PIPE ASSY FRONT (SEE PAGE 15-2)

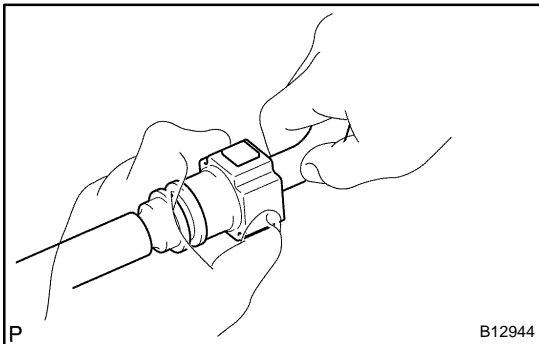
126. INSTALL EXHAUST PIPE NO.1 SUPPORT BRACKET (SEE PAGE 15-2)



127. CONNECT OIL RESERVOIR TO PUMP HOSE NO.1



128. CONNECT STEERING GEAR OUTLET RETURN TUBE



129. CONNECT FUEL TUBE SUB-ASSY

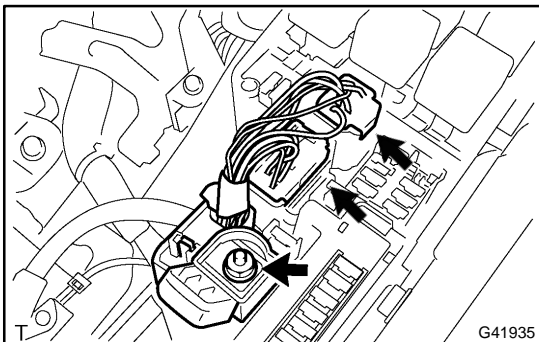
- (a) Push in the fuel tube connector to the fuel pipe until connector makes a "click" sound.

NOTICE:

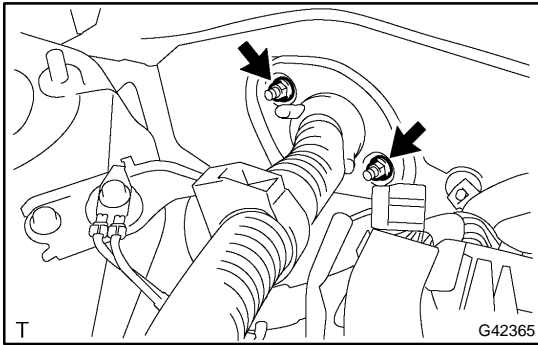
- Check for damage or contamination on the connected part of the pipe.
 - Check if the pipe and the connector are securely connected by trying to pull them apart.
- (b) Install the fuel pipe clamp No.1.

130. CONNECT TRANSMISSION CONTROL CABLE ASSY (SEE PAGE 40-45)

131. CONNECT ENGINE WIRE



- (a) Install the nut and connect the wire harness to the engine room J/B.
Torque: 8.4 N·m (85 kgf·cm, 74 in·lbf)



- (b) Install the engine wire to the body with the 2 nuts.
Torque: 6.0 N·m (61 kgf·cm, 53 in·lbf)

132. CONNECT HEATER WATER OUTLET HOSE A

133. CONNECT HEATER WATER INLET HOSE A

134. CONNECT OIL COOLER OUTLET HOSE

135. CONNECT OIL COOLER INLET HOSE

136. INSTALL RADIATOR HOSE OUTLET

137. INSTALL RADIATOR HOSE INLET

138. INSTALL INTAKE AIR SURGE TANK (SEE PAGE 11-15)

139. INSTALL INTAKE AIR RESONATOR SUB-ASSY

- (a) Install the intake air resonator with the bolt and clip.

Torque: 5.0 N·m (51 kgf·cm, 44 in·lbf)

140. INSTALL AIR CLEANER INLET NO.1

- (a) Install the air cleaner inlet No.1 with the bolt.

Torque: 5.0 N·m (51 kgf·cm, 44 in·lbf)

141. INSTALL AIR CLEANER ASSEMBLY WITH HOSE

- (a) Install the air cleaner case with the 3 bolts.

Torque: 5.0 N·m (51 kgf·cm, 44 in·lbf)

- (b) Install the air cleaner cap with the hose clamp and 3 clips.

- (c) Connect the MAF meter connector and clamp.

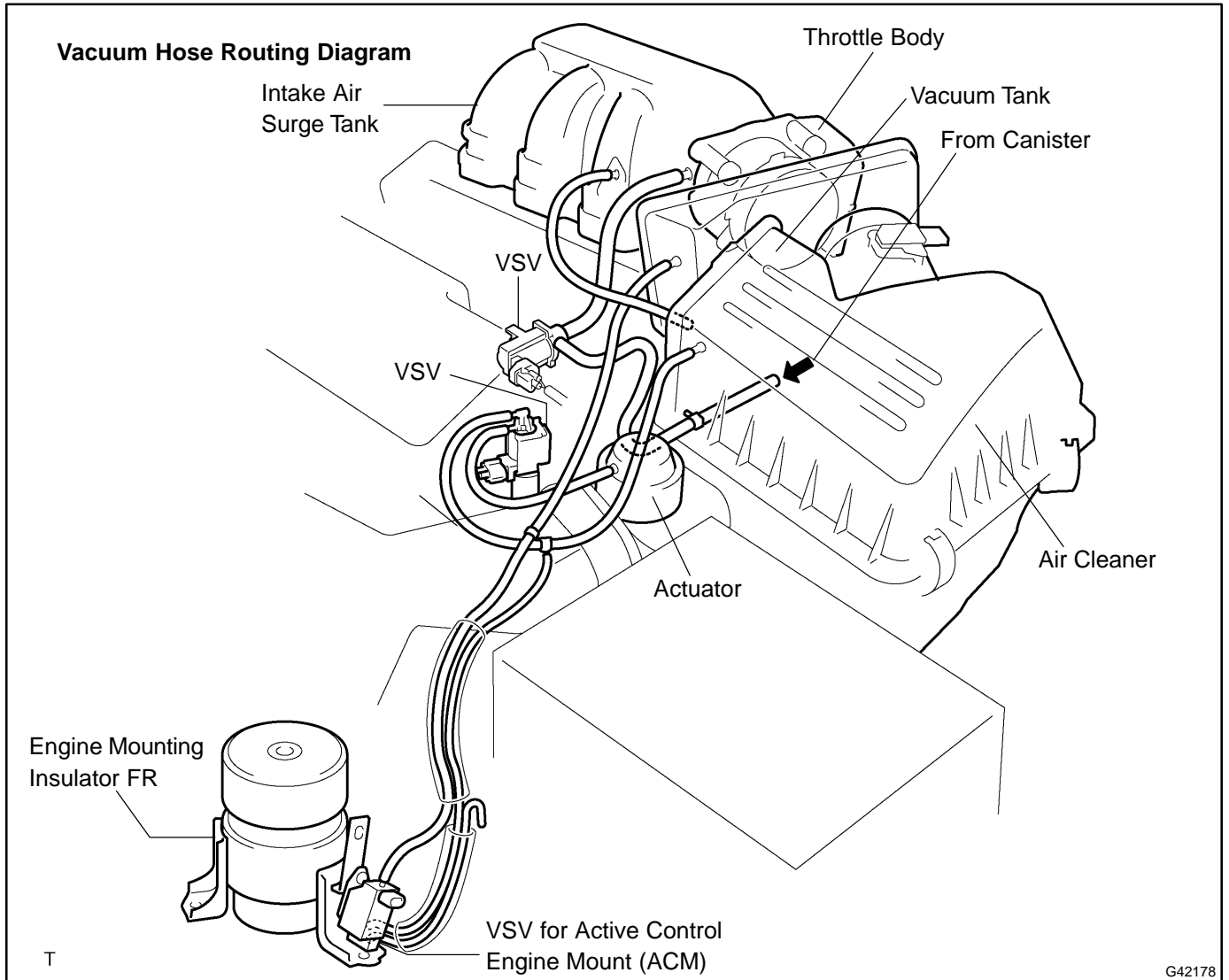
- (d) Connect the 3 vacuum hoses and ventilation hose No.2.

142. INSTALL AIR CLEANER INLET NO.2

- (a) Install air cleaner inlet No.2 with the 2 bolts.

Torque: 5.0 N·m (51 kgf·cm, 44 in·lbf)

143. CONNECT VACUUM HOSES

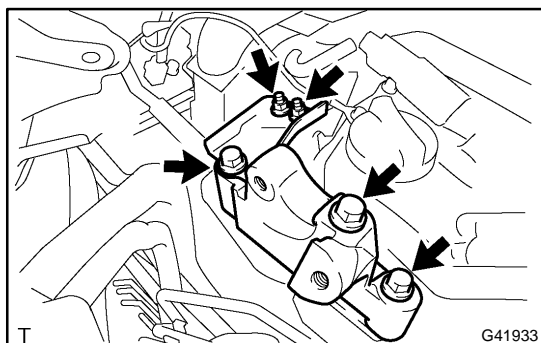


144. INSTALL INSTRUMENT PANEL FINISH LOWER PANEL RH (SEE PAGE 71-7)

145. INSTALL COWL SIDE TRIM SUB-ASSY RH (SEE PAGE 71-7)

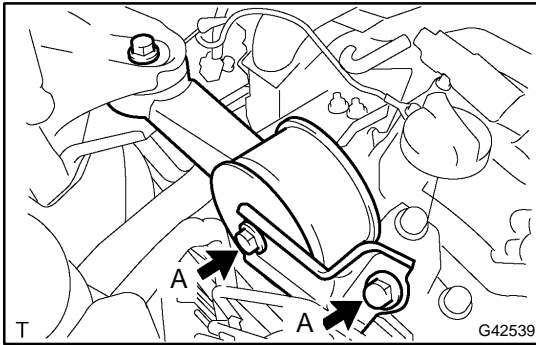
146. INSTALL FRONT DOOR SCUFF PLATE RH (SEE PAGE 71-7)

147. INSTALL RELAY BLOCK COVER UPPER



148. INSTALL ENGINE MOUNTING CONTROL BRACKET

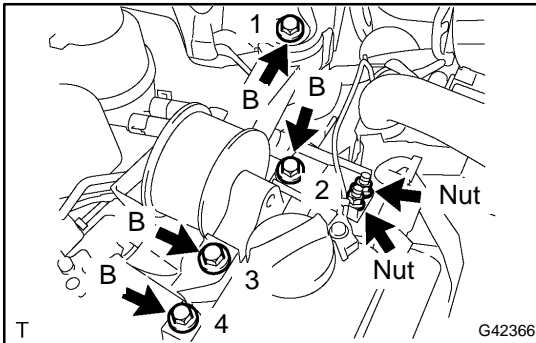
- (a) Temporarily install the mounting stay No.2 RH and mounting bracket with the 3 bolts and 2 nuts.

**149. INSTALL ENGINE MOVING CONTROL ROD**

(a) Temporarily install the moving control rod and mounting stay No.3 RH with the 3 bolts.

(b) Tighten the bolt A.

Torque: 44 N·m (450 kgf·cm, 32 ft·lbf)



(c) Tightening the bolt B in the order shown in the illustration.

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

(d) Tighten the 2 nuts.

Torque: 23 N·m (235 kgf·cm, 17 ft·lbf)

150. INSTALL RADIATOR RESERVE TANK ASSY**151. INSTALL FAN AND GENERATOR V BELT (SEE PAGE 14-6)**

SST 09249-63010

152. INSTALL COWL TOP PANEL OUTER (SEE PAGE 32-21)**153. INSTALL WINDSHIELD WIPER LINK ASSY (SEE PAGE 66-4)****154. INSTALL FRONT WHEELS**

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

155. ADD AUTOMATIC TRANSAXLE FLUID (SEE PAGE 40-2)**156. ADD ENGINE OIL****157. ADD ENGINE COOLANT (SEE PAGE 16-8)****158. ADD POWER STEERING FLUID****159. BLEED POWER STEERING FLUID (SEE PAGE 51-4)****160. CHECK FOR OIL LEAKS****161. CHECK FOR ENGINE COOLANT LEAKS (SEE PAGE 16-1)****162. INSPECT FOR FUEL LEAKS (SEE PAGE 11-8)****163. CHECK FOR EXHAUST GAS LEAKS****164. INSPECT AND ADJUST FRONT WHEEL ALIGNMENT (SEE PAGE 26-5)****165. INSPECT IGNITION TIMING (SEE PAGE 14-1)****166. INSPECT ENGINE IDLE SPEED (SEE PAGE 14-1)****167. CHECK FUNCTION OF THROTTLE BODY (SEE PAGE 10-8)****168. INSTALL V-BANK COVER SUB-ASSY**

(a) Fit the 3 retainers and install the V-bank cover.

169. INSPECT CO/HC (SEE PAGE 14-1)**170. CHECK ABS SPEED SENSOR SIGNAL (SEE PAGE 05-450)**

(a) ABS WITH EBD SYSTEM (see page 05-450)

(b) ABS WITH EBD & BA & TRAC & VSC SYSTEM (see page 05-553)

171. PERFORM INITIALIZATION (SEE PAGE 01-19)

Some systems need initialization when disconnecting the cable from the negative battery terminal.