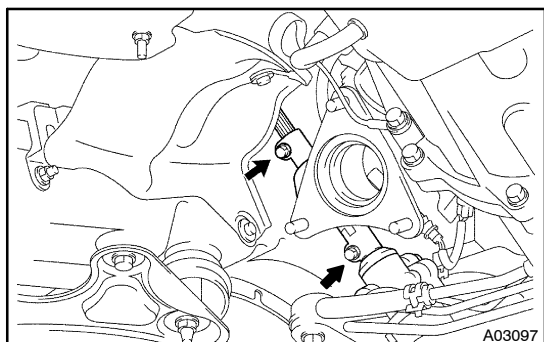
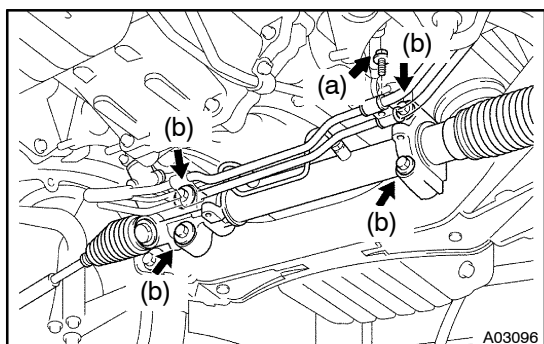


REPLACEMENT

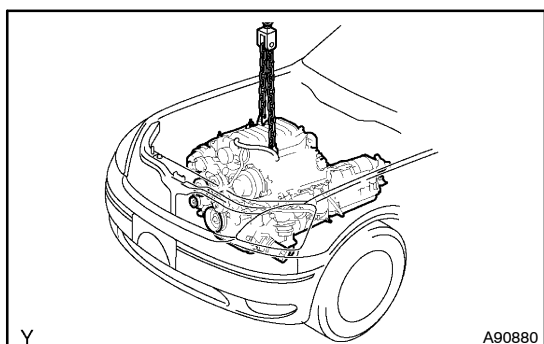
1. **WORK FOR PREVENTING GASOLINE FROM SPILLING OUT** (See page 11-6)
2. **DISCONNECT BATTERY NEGATIVE TERMINAL**
3. **REMOVE HOOD SUB-ASSY**
4. **REMOVE V-BANK COVER**
5. **REMOVE AIR CLEANER INLET NO.1**
6. **REMOVE INTAKE AIR CONNECTOR PIPE**
7. **REMOVE AIR CLEANER ASSY**
8. **REMOVE FRONT WHEEL**
9. **REMOVE ENGINE UNDER COVER NO.1**
10. **REMOVE ENGINE UNDER COVER NO.2**
11. **DRAIN ENGINE OIL**
12. **DRAIN ENGINE COOLANT**
13. **DRAIN AUTOMATIC TRANSMISSION FLUID**
14. **REMOVE RADIATOR ASSY**
15. **DISCONNECT FUEL PIPE SUB-ASSY NO.2** (See page 11-16)
16. **REMOVE FAN AND GENERATOR V-BELT** (See page 4-6)
17. **DISCONNECT ENGINE WIRE**
 - (a) Disconnect the engine wire from the ECM box.
 - (b) Remove the nut, and disconnect the generator wire from the generator.
 - (c) Disconnect the wire for generator wire from the wire clamp on generator.
 - (d) Remove the bolt, and disconnect the ground cable from the stay on the generator.
 - (e) Remove the 2 bolts, and disconnect the PS oil hose from the No.1 oil pan.
 - (f) Remove the bolt, and disconnect the ground strap from the body.
18. **DISCONNECT AIR HOSE NO.5**
19. **DISCONNECT FUEL VAPOR FEED HOSE NO.2**
20. **DISCONNECT HEATER WATER INLET HOSE A**
21. **DISCONNECT HEATER WATER OUTLET HOSE A (FROM HEATER UNIT)**
22. **DISCONNECT VANE PUMP OIL RESERVOIR ASSY**
23. **DISCONNECT VANE PUMP ASSY**
 - (a) Disconnect the 2 PS air hoses.
 - (b) Remove the 2 screws and RH engine under cover.
 - (c) Disconnect the PS oil pressure switch connector.
 - (d) Remove the 2 bolts and nut, and disconnect the pump from the engine.
 - (e) Support the pump securely.
24. **DISCONNECT COOLER COMPRESSOR ASSY**
 - (a) Disconnect the compressor connector.
 - (b) Disconnect the wire clamp from the wire bracket on the compressor.
 - (c) Remove the bolt, nut and stay.
 - (d) Remove the bolt, and disconnect the wire bracket from the compressor.
 - (e) Remove the bolt, and disconnect the compressor from the engine.
 - (f) Support the cooler compressor securely.
25. **REMOVE FRONT FLOOR BRACE CENTER**
 - (a) Remove the 4 bolts and brace center.
26. **REMOVE EXHAUST PIPE ASSY** (See page 15-4)
27. **REMOVE W/CATALYST CONVERTER ASSY**
28. **REMOVE FRONT FLOOR HEAT INSULATOR NO.1**
29. **REMOVE PARKING BRAKE CABLE HEAT INSULATOR**
30. **REMOVE PROPELLER W/CENTER BEARING SHAFT ASSY** (See page 30-9)

31. REMOVE FLOOR SHIFT GEAR SHIFTING ROD SUB-ASSY**32. REMOVE STEERING SLIDING W/ SHAFT YOKE SUB-ASSY**

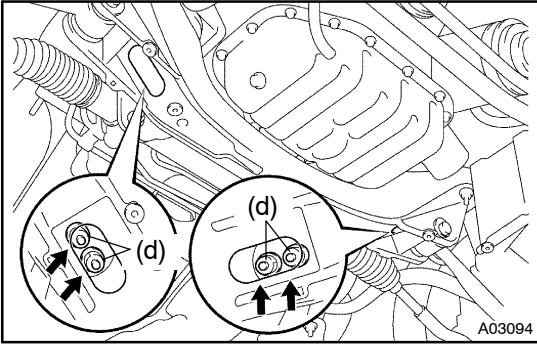
- (a) Check the steering wheel at the straight-ahead position.
- (b) Remove the 2 bolts and sliding yoke from the steering intermediate shaft.

33. REMOVE FRONT DISC BRAKE CYLINDER ASSY RH (See page 32-39)**34. REMOVE DISC BRAKE CYLINDER ASSY LH (See page 32-39)****35. REMOVE FRONT SUSPENSION UPPER ARM ASSY RH (See page 26-23)****36. REMOVE FRONT SUSPENSION UPPER ARM ASSY LH (See page 26-23)****37. REMOVE PNEUMATIC FRONT RH W/ SHOCK ABSORBER CYLINDER ASSY (See page 26-12)****38. REMOVE PNEUMATIC FRONT LH W/ SHOCK ABSORBER CYLINDER ASSY (See page 26-12)****39. REMOVE HEIGHT CONTROL SENSOR LINK SUB-ASSY FRONT (See page 26-25)****40. REMOVE STABILIZER BRACKET FRONT (See page 26-31)****41. DISCONNECT POWER STEERING GEAR HOUSING ASSY**

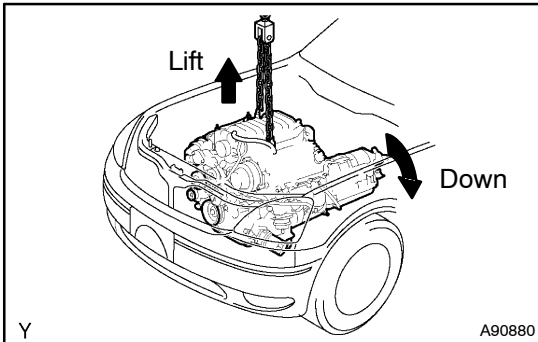
- (a) Remove the bolt, and disconnect the 2 PS oil tubes from the front frame.
- (b) Remove the 4 bolts, and disconnect the PS gear housing from the front frame.
- (c) Suspend the PS gear housing securely.

**42. REMOVE ENGINE W/ TRANSMISSION ASSEMBLY**

- (a) Remove the nut and No. 1 V-bank cover bracket from the No. 2 engine hanger.
- (b) Attach the engine chain hoist to the engine hangers.



- (c) Remove the 2 hole plugs.
- (d) Remove the 4 nuts holding the engine mounting insulator to the front suspension crossmember.
- (e) Remove the 4 bolts, 4 nuts and rear engine mounting member.



- (f) Lift the engine out of the vehicle slowly and carefully.
- HINT:
Make sure the engine is clear of all wiring, hose and cable.
- (g) Place the engine and transmission assy onto the stand.

43. DISCONNECT ENGINE WIRE

- (a) Disconnect the engine wire from the transmission.
 - (1) Disconnect the VSV connector.
 - (2) Disconnect the PNP switch connector.
 - (3) Disconnect the solenoid connector.
 - (4) Disconnect the direct clutch speed sensor connector.
 - (5) Disconnect the engine wire from the 3 wire clamps.
 - (6) Disconnect the oil level sensor connector.

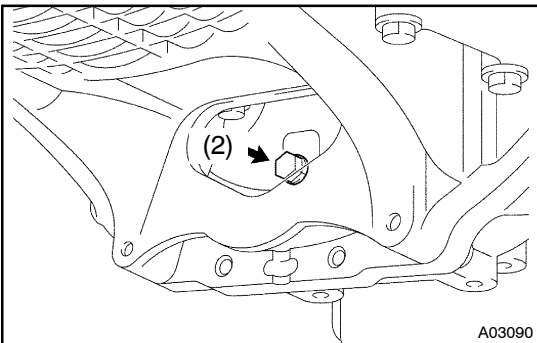
44. REMOVE TRANSMISSION OIL FILTER TUBE SUB-ASSY

45. REMOVE OIL COOLER OUTLET TUBE NO.1

46. REMOVE OIL COOLER INLET TUBE NO.1

47. REMOVE AUTOMATIC TRANSMISSION ASSY

- (a) Remove the torque converter clutch bolts.
 - (1) Remove the 2 bolts and flywheel housing under cover.
 - (2) Turn the crankshaft damper bolt to gain access to each bolt.
 - (3) Hold the crankshaft damper bolt with a wrench, and remove the 6 bolts.
- (b) Remove the 10 bolts and ground strap.
- (c) Remove the transmission together with the torque converter clutch from the engine.

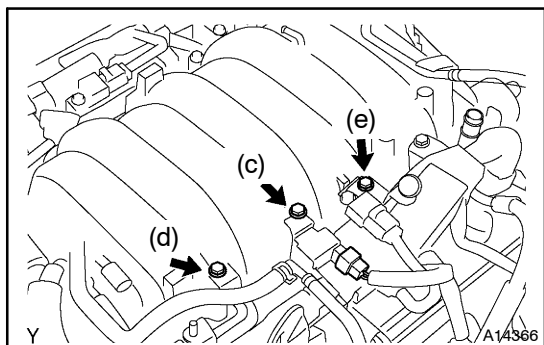


48. REMOVE DRIVE PLATE & RING GEAR SUB-ASSY

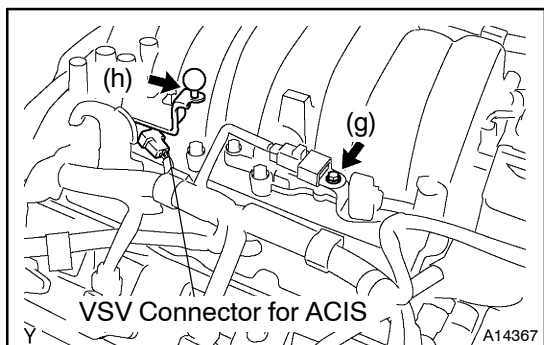
- (a) Remove the 8 bolts, rear spacer, ring gear and front spacer.

49. INSTALL ENGINE STAND

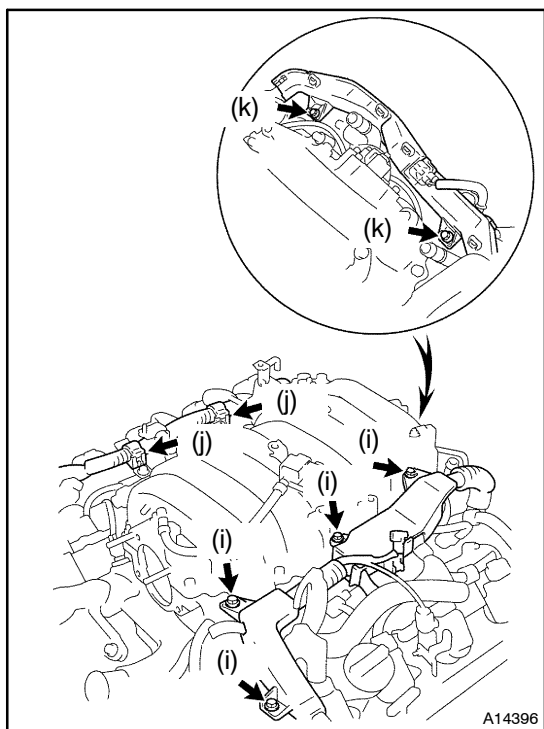
50. REMOVE THROTTLE BODY ASSY (See page 10-9)

**51. REMOVE INTAKE MANIFOLD ASSY**

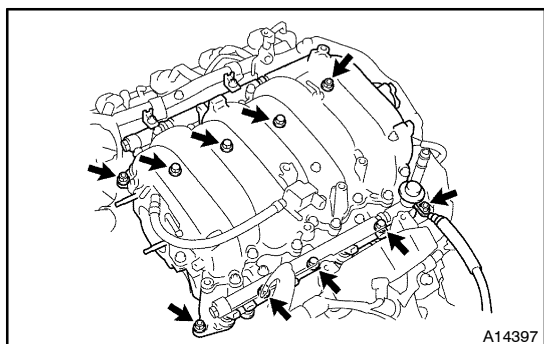
- (a) Disconnect the VSV connector for EVAP.
- (b) Disconnect the EVAP hose from the VSV for EVAP.
- (c) Remove the bolt, disconnect the VSV for EVAP from the upper intake manifold.
- (d) Remove the bolt and V-bank cover bracket No. 2.
- (e) Remove the bolt and V-bank cover bracket No. 3.



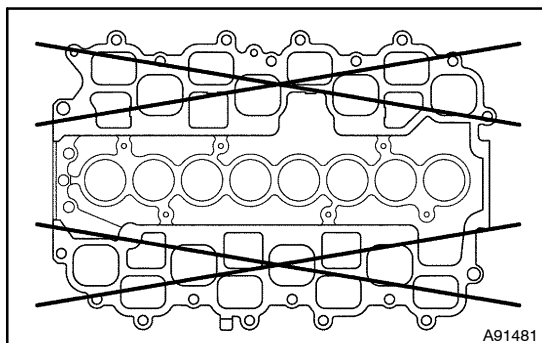
- (f) Disconnect the VSV connector for ACIS.
- (g) Remove the bolt and V-bank cover bracket No. 1.
- (h) Remove the bolt and V-bank cover fastener.



- (i) Remove the 4 bolts, and disconnect the engine wire protector (LH side) from the upper intake manifold and camshaft bearing cap.
- (j) Disconnect the 2 wire clamps on the engine wire (RH side) from the brackets on the RH delivery pipe.
- (k) Remove the 2 bolts, and disconnect the engine wire protector (rear side) from the rear water by-pass joint and RH cylinder head.



- (l) Disconnect the 8 injector connectors.
- (m) Remove the 6 bolts, 4 nuts, intake manifold assy and 2 gaskets.



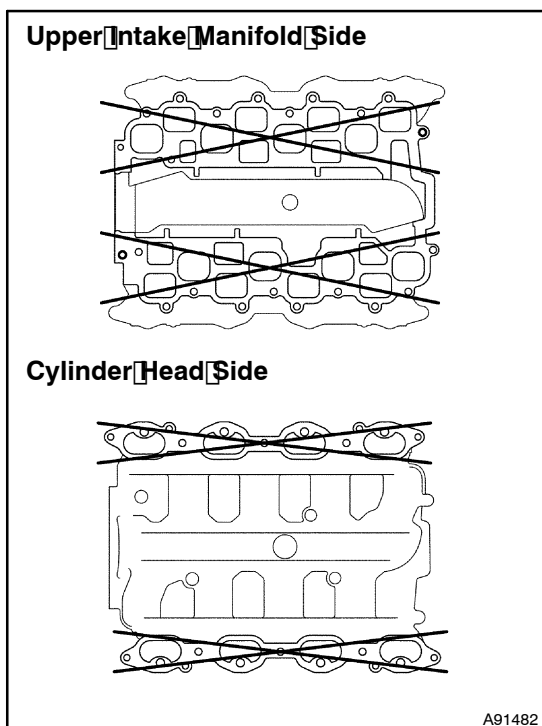
52. INSPECT INTAKE MANIFOLD ASSY

(a) Upper Intake Manifold:

Using a precision straight edge and feeler gauge, measure the surface contacting the cylinder head for warpage.

Maximum warpage: 0.15 mm (0.0059 in.)

If the warpage is greater than the maximum, replace the manifold.



(b) Lower Intake Manifold

Using a precision straight edge and feeler gauge, measure the surface contacting the cylinder head for warpage.

Maximum warpage: 0.15 mm (0.0059 in.)

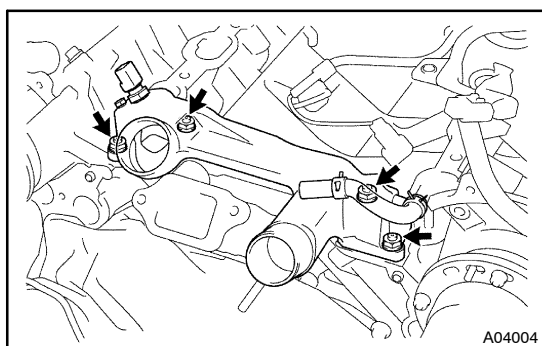
If the warpage is greater than the maximum, replace the manifold.

53. REMOVE STARTER ASSY (See page 19-10)

54. REMOVE GENERATOR ASSY (See page 19-27)

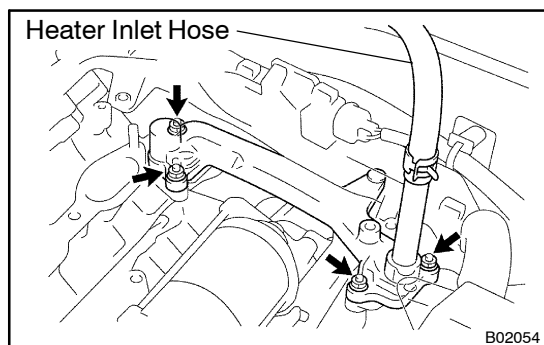
55. REMOVE WATER INLET HOUSING

- (a) Remove the 2 bolts and inlet housing.



56. REMOVE WATER BY-PASS JOINT FR

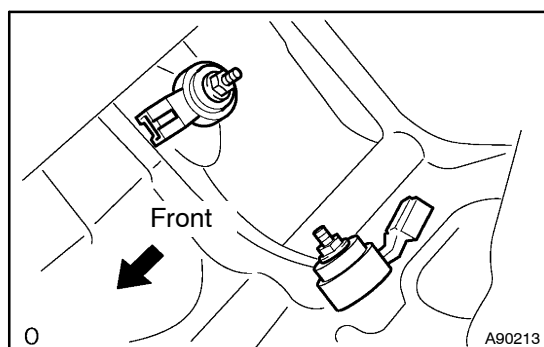
- (a) Disconnect the ECT sensor connector.
(b) Remove the 4 nuts, water by-pass joint and 2 gaskets.

**57. REMOVE WATER BY-PASS JOINT RR**

- (a) Disconnect the heater inlet hose from the water by-pass joint.
- (b) Remove the 4 nuts, water by-pass joint and 2 gaskets.

58. REMOVE WATER BY-PASS PIPE SUB-ASSY

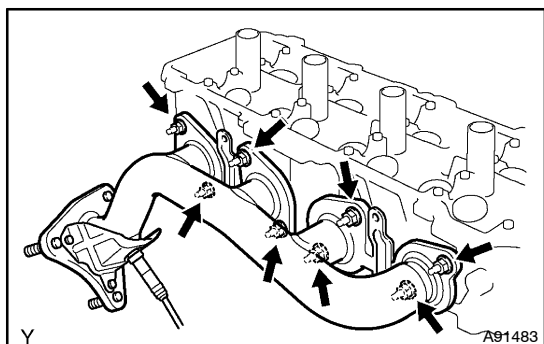
- (a) Disconnect the heater outlet hose from the water by-pass pipe.
- (b) Disconnect the wire clamp (for knock sensor bank 1, 2) from the bracket of the water by-pass pipe.
- (c) Remove the bolt.
- (d) Pull out the water by-pass pipe from the water pump.
- (e) Remove the O-ring from the water by-pass pipe.

59. REMOVE OIL LEVEL GAGE GUIDE**60. REMOVE CAMSHAFT TIMING OIL CONTROL VALVE ASSY****61. REMOVE CAMSHAFT POSITION SENSOR****62. REMOVE VVT SENSOR****63. REMOVE KNOCK SENSOR**

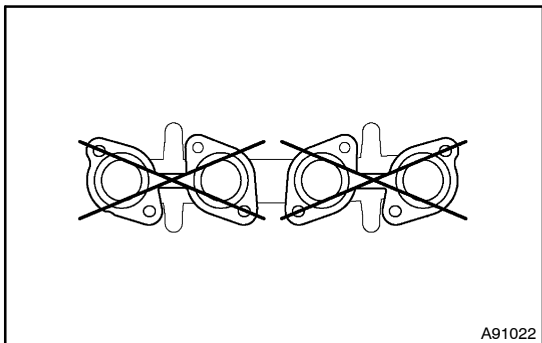
- (a) Disconnect the 2 knock sensor connectors.
- (b) Remove the 2 nuts and 2 knock sensors.

64. REMOVE ENGINE HANGER NO. 1**65. REMOVE ENGINE HANGER NO.2****66. REMOVE IGNITION COIL ASSY****67. REMOVE OIL FILTER BRACKET SUB-ASSY**

- (a) Disconnect the oil pressure switch connector.
- (b) Remove the stud bolt, 2 nuts and oil filter bracket with gasket.

68. REMOVE CRANKSHAFT POSITION SENSOR**69. REMOVE ENGINE OIL LEVEL SENSOR****70. REMOVE EXHAUST MANIFOLD HEAT INSULATOR NO.1****71. REMOVE EXHAUST MANIFOLD SUB-ASSY RH**

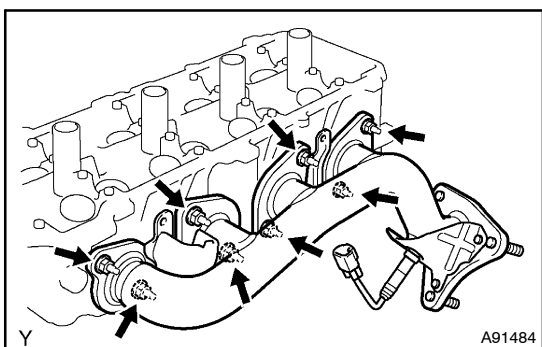
- (a) Remove the 8 nuts, exhaust manifold and gasket.

**72. INSPECT EXHAUST MANIFOLD SUB-ASSY RH**

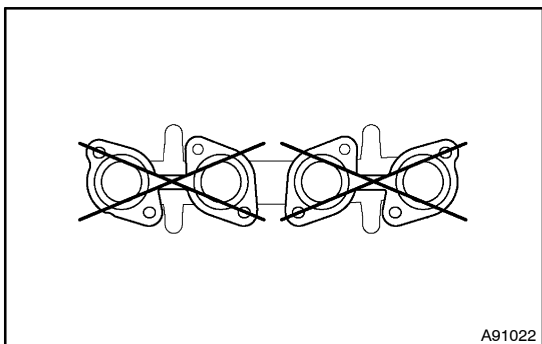
- (a) Using a precision straight edge and feeler gauge, measure the surface contacting the cylinder head for warpage.

Maximum warpage: 0.50 mm (0.0197 in.)

If the warpage is greater than the maximum, replace the manifold.

73. REMOVE EXHAUST MANIFOLD HEAT INSULATOR NO.2**74. REMOVE EXHAUST MANIFOLD SUB-ASSY LH**

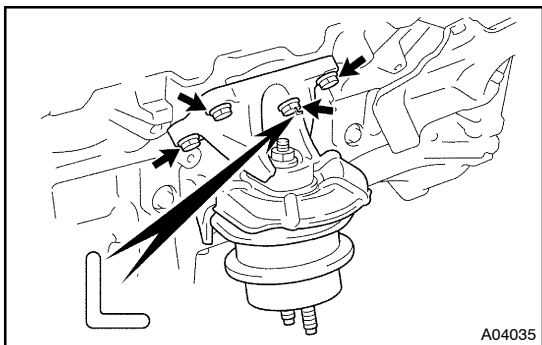
- (a) Remove the 8 nuts, exhaust manifold and gasket.

**75. INSPECT EXHAUST MANIFOLD SUB-ASSY LH**

- (a) Using a precision straight edge and feeler gauge, measure the surface contacting the cylinder head for warpage.

Maximum warpage: 0.50 mm (0.0197 in.)

If the warpage is greater than the maximum, replace the manifold.

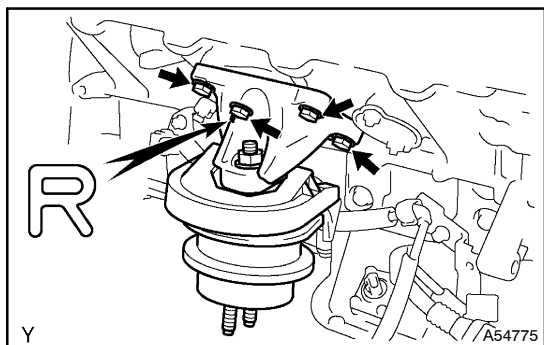
76. REMOVE WIRING HARNESS HEAT INSULATOR NO.2**77. REMOVE ENGINE MOUNTING BRACKET FRONT NO.1 RH****78. REMOVE ENGINE MOUNTING BRACKET FRONT NO.1 LH****79. INSTALL ENGINE MOUNTING BRACKET FRONT NO.1 LH**

- (a) Install the mounting bracket with the 4 bolts.

Torque: 36 N·m (367 kgf·cm, 27 ft·lbf)

HINT:

The LH mounting bracket is marked with "L".



80. INSTALL ENGINE MOUNTING BRACKET FRONT NO.1 RH

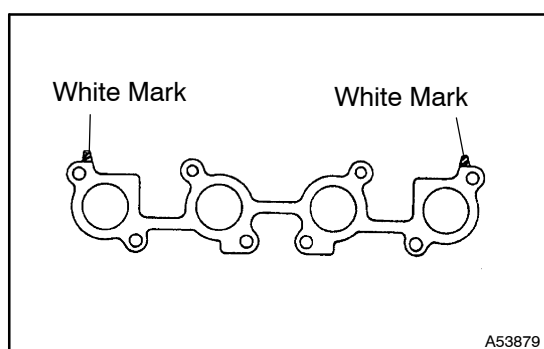
- (a) Install the mounting bracket with the 4 bolts.

Torque: 36 N·m (367 kgf·cm, 27 ft·lbf)

HINT:

The RH mounting bracket is marked with "R".

81. INSTALL WIRING HARNESS HEAT INSULATOR NO.2

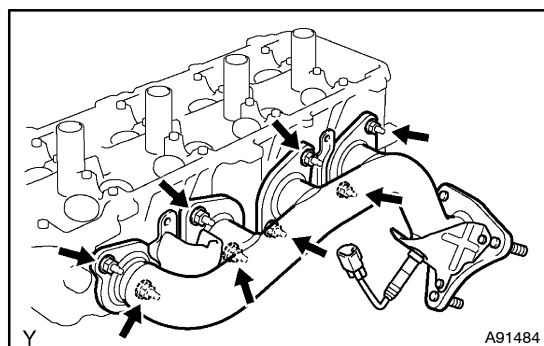


82. INSTALL EXHAUST MANIFOLD SUB-ASSY LH

- (a) Place a new gasket on the cylinder head with the white mark facing the manifold side.

NOTICE:

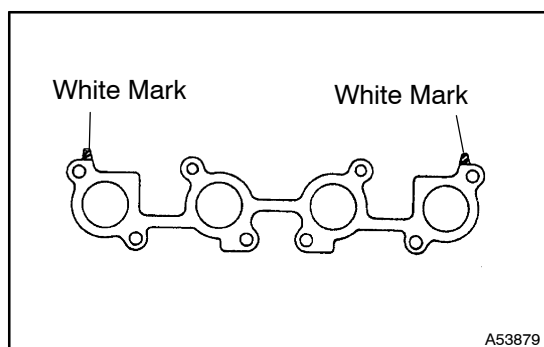
Be careful of the installation direction.



- (b) Install the exhaust manifold with 8 new nuts. Uniformly tighten the nuts in several passes.

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

83. INSTALL EXHAUST MANIFOLD HEAT INSULATOR NO.2

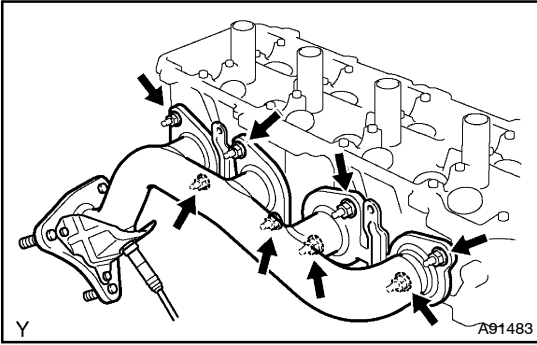


84. INSTALL EXHAUST MANIFOLD SUB-ASSY RH

- (a) Place a new gasket on the cylinder head with the white mark facing the manifold side.

NOTICE:

Be careful of the installation direction.



- (b) Install the exhaust manifold with 8 new nuts. Uniformly tighten the nuts in several passes.

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

85. INSTALL EXHAUST MANIFOLD HEAT INSULATOR NO.1

86. INSTALL ENGINE OIL LEVEL SENSOR

87. INSTALL CRANKSHAFT POSITION SENSOR (See page 18-14)

88. INSTALL OIL FILTER BRACKET SUB-ASSY

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

89. INSTALL IGNITION COIL ASSY

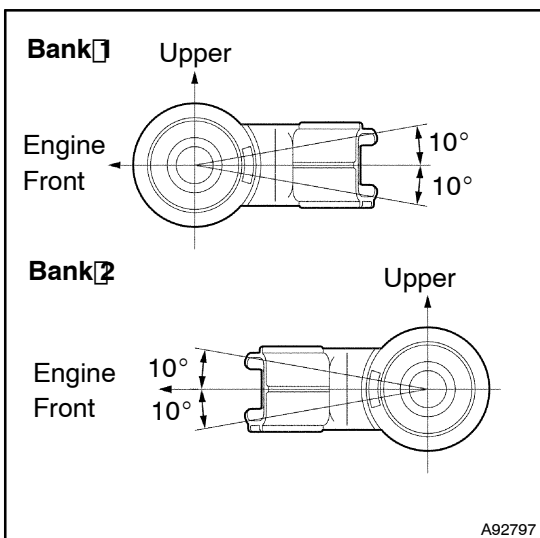
Torque: 7.5 N·m (76.5 kgf·cm, 66 in·lbf)

90. INSTALL ENGINE HANGER NO.2

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

91. INSTALL ENGINE HANGER NO.1

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



92. INSTALL KNOCK SENSOR

- (a) Install the 2 knock sensors with the 2 nuts, as shown in the illustration.

Torque: 20 N·m (204 kgf·cm, 15 ft·lbf)

- (b) Connect the 2 knock sensor connectors.

93. INSTALL VVT SENSOR

94. INSTALL CAMSHAFT POSITION SENSOR

Torque: 7.5 N·m (76.5 kgf·cm, 66 in·lbf)

95. INSTALL CAMSHAFT TIMING OIL CONTROL VALVE ASSY (See page 10-17 and 10-19)

96. INSTALL OIL LEVEL GAGE GUIDE

Torque: 15 N·m (153 kgf·cm, 11 ft·lbf)

97. INSTALL WATER BY-PASS PIPE SUB-ASSY

- (a) Install a new O-ring to the water by-pass pipe.

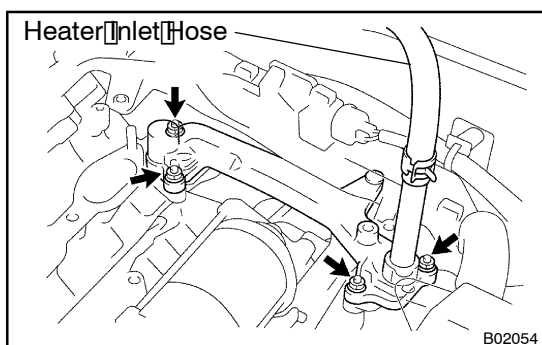
- (b) Apply soapy water to the O-ring.

- (c) Push in the water by-pass pipe end into the pipe hole of the water pump.

(d) Install the water by-pass pipe with the bolt.

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

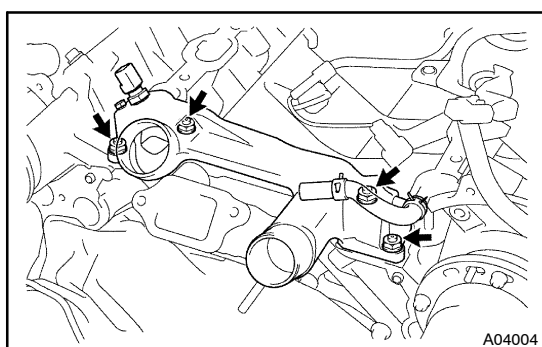
(e) Install the wire clamp to the bracket of the water by-pass pipe.



98. INSTALL WATER BY-PASS JOINT RR

(a) Install 2 new gaskets and the water by-pass joint with the 4 nuts. Alternately tighten the nuts.

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

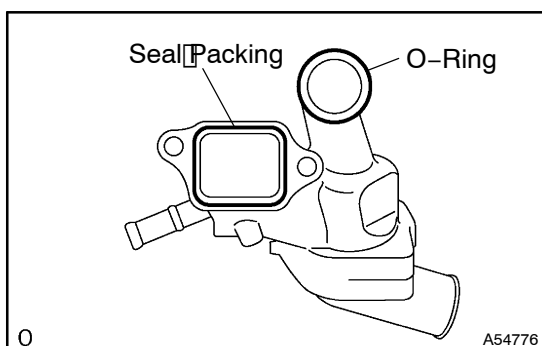


99. INSTALL WATER BY-PASS JOINT FR

(a) Install 2 new gaskets and the water by-pass joint with the 4 nuts. Alternately tighten the nuts.

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

(b) Connect the ECT sensor connector.



100. INSTALL WATER INLET HOUSING

(a) Install a new O-ring to the inlet housing.

(b) Apply soapy water on the O-ring.

(c) Apply seal packing to the sealing groove of inlet housing as shown in the illustration.

Seal packing: Part No. 08826-00100 or equivalent

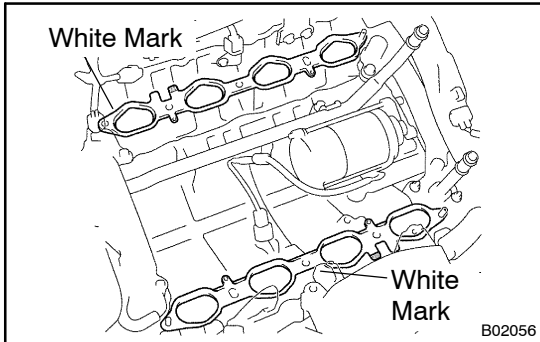
- Install a nozzle that has its opening cut to a 2 to 3 mm (0.08 to 0.12 in.).
- Parts must be assembled within 3 minutes of application. Otherwise the material must be removed and reapplied.

(d) Install the water inlet and housing assy with the 2 bolts. Alternately tighten the bolts.

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

101. INSTALL GENERATOR ASSY (See page 19-27)

102. INSTALL STARTER ASSY (See page 19-10)

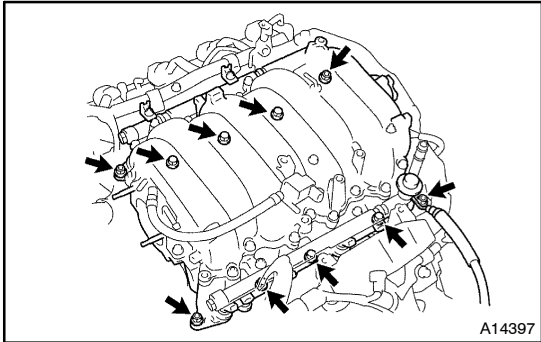


103. INSTALL INTAKE MANIFOLD ASSY

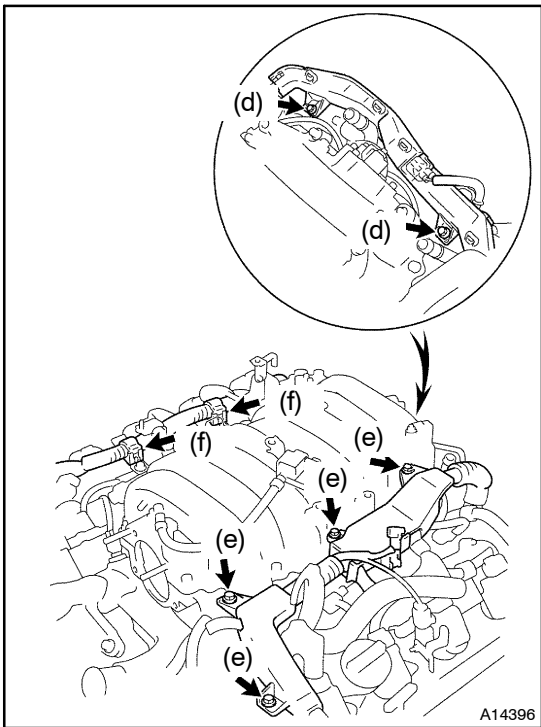
- (a) Place 2 new gaskets on the cylinder heads with the white mark facing outward.

NOTICE:

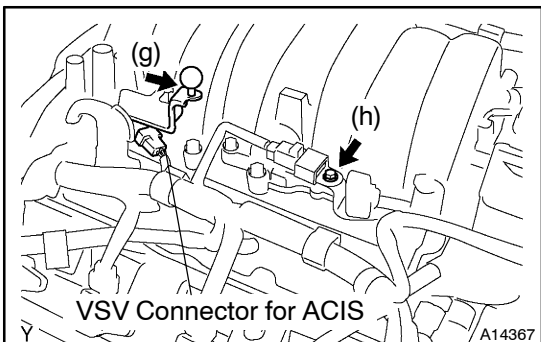
Be careful of the installation direction.



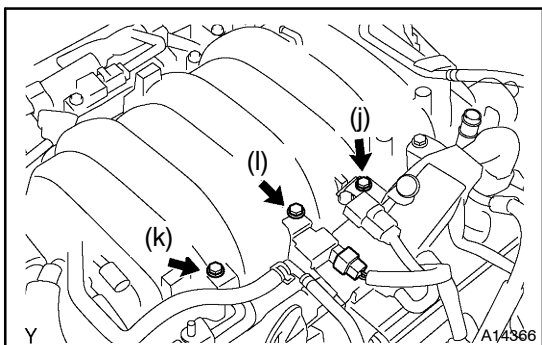
- (b) Install the intake manifold assy with the 6 bolts and 4 nuts.
Torque: 18 N·m (184 kgf·cm, 13 ft·lbf)
- (c) Connect the 8 injector connectors.



- (d) Install the engine wire protector (rear side) with the 2 bolts.
- (e) Install the engine wire protector (LH side) with the 4 bolts.
- (f) Install the 2 wire clamps on the engine wire (RH side) to the brackets on the RH delivery pipe.



- (g) Install the V-bank cover fastener with the bolt.
Torque: 7.5 N·m (77 kgf·cm, 66 in·lbf)
- (h) Install the V-bank cover bracket No. 1 with the bolt.
Torque: 7.5 N·m (77 kgf·cm, 66 in·lbf)
- (i) Connect the VSV connector for ACIS.



- (j) Install the V-bank cover bracket No. 3 with the bolt.
Torque: 7.5 N·m (77 kgf·cm, 66 in. lbf)
- (k) Install the V-bank cover bracket No. 2 with the bolt.
Torque: 7.5 N·m (77 kgf·cm, 66 in. lbf)
- (l) Connect the VSV for EVAP to the intake manifold with the bolt.
Torque: 7.5 N·m (77 kgf·cm, 66 in. lbf)
- (m) Connect the EVAP hose to the VSV for EVAP.
- (n) Connect the VSV connector for EVAP.

104. INSTALL THROTTLE BODY ASSY (See page 10-9)

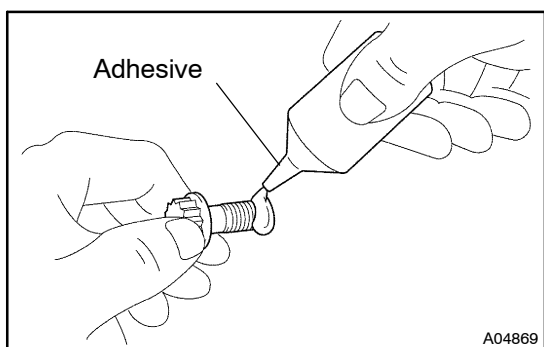
105. REMOVE ENGINE STAND

106. INSTALL DRIVE PLATE & RING GEAR SUB-ASSY

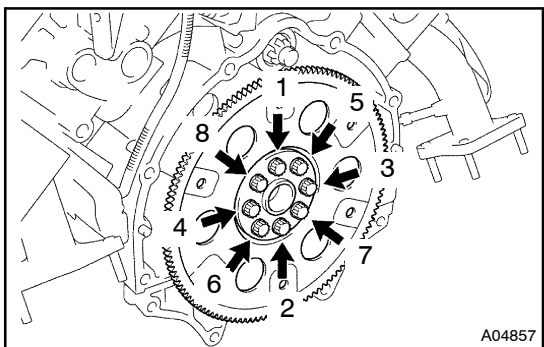
HINT:

The mounting bolts are tightened in 2 progressive steps (step (c) and (e)).

If any one of the mounting bolts is broken or deformed, replace it.

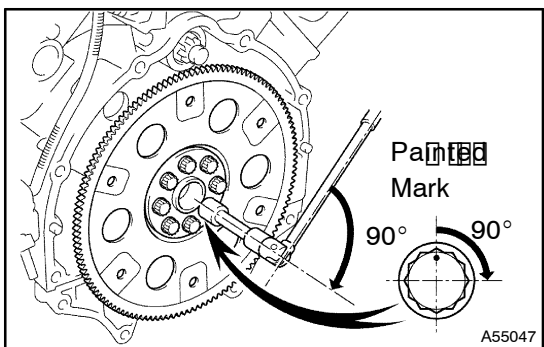


- (a) Apply adhesive to 2 or 3 threads of the mounting bolt end.
Adhesive:
Part No. 08833-00070, THREE BOND 1324 or equivalent

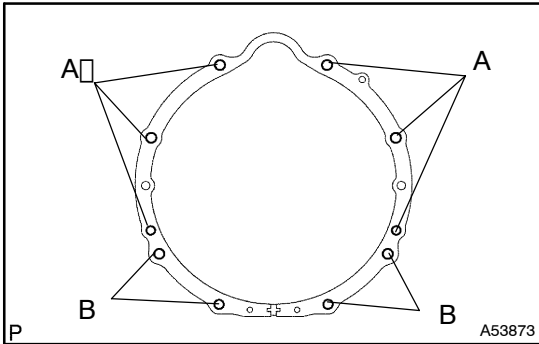


- (b) Install the front spacer, drive plate and rear spacer on the crankshaft.
- (c) Install and uniformly tighten the 8 mounting bolts in several passes in the sequence shown in the illustration.
Torque: 49 N·m (500 kgf·cm, 36 ft·lbf)

If any one of the mounting bolts does not meet the torque specification, replace the mounting bolt.



- (d) Mark the mounting bolt with paint.
- (e) Retighten the mounting bolt by 90° in the numerical order shown.
- (f) Check that the painted mark is now at a 90° angle to step (e).

**107. INSTALL AUTOMATIC TRANSMISSION ASSY**

(a) Check the torque converter clutch installation (see page 40-17).

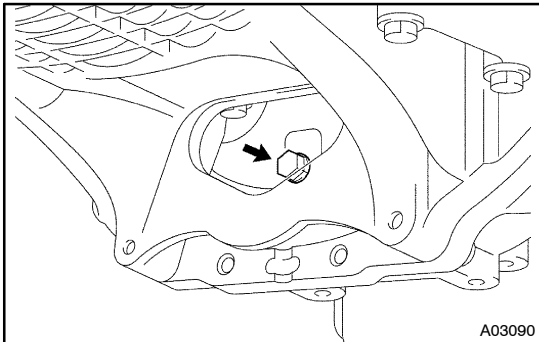
(b) Attach the transmission to the engine.

(c) Install the ground strap and 10 bolts.

Torque:

72 N·m (734 kgf·cm, 53 ft·lbf) for 17 mm head bolt A

37 N·m (377 kgf·cm, 27 ft·lbf) for 14 mm head bolt B



(d) Install the torque converter clutch bolts.

(1) Apply adhesive to 2 or 3 threads of the bolt end.

Adhesive:

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

(2) Hold the crankshaft pulley bolt with a wrench, and install the 6 bolts evenly.

Torque: 48 N·m (490 kgf·cm, 35 ft·lbf)

HINT:

First install the black colored bolt, and then install the other bolts.

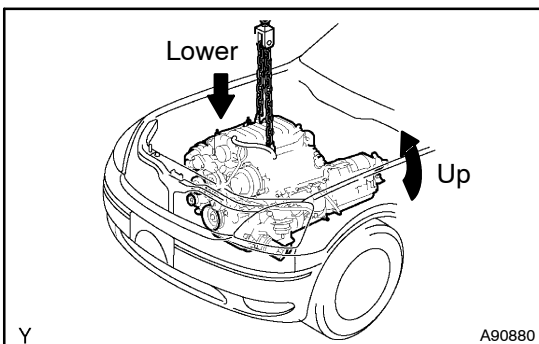
(3) Install the flywheel housing undercover with the 2 bolts.

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

108. INSTALL OIL COOLER INLET TUBE NO.1**109. INSTALL OIL COOLER OUTLET TUBE NO.1****110. INSTALL TRANSMISSION OIL FILTER TUBE SUB-ASSY****111. CONNECT ENGINE WIRE**

(a) Connect the engine wire to the transmission.

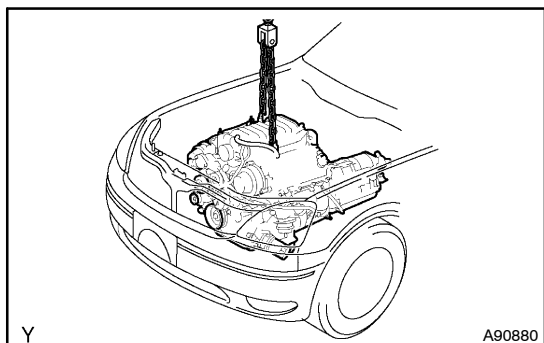
- (1) Connect the VSV connector.
- (2) Connect the PNP switch connector.
- (3) Connect the solenoid connector.
- (4) Connect the direct clutch speed sensor connector.
- (5) Connect the engine wire from the 3 wire clamps.
- (6) Connect the oil level sensor connector.

**112. INSTALL ENGINE W/ TRANSMISSION ASSEMBLY**

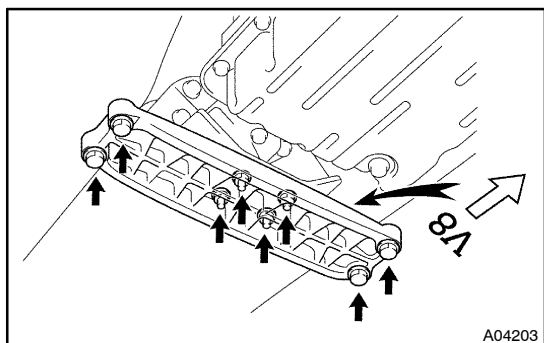
(a) Attach the engine chain hoist to the engine hangers.

(b) Slowly lower the engine and transmission assembly into the engine compartment.

(c) Insert the stud bolts of the front engine mounting brackets into the stud bolt holes of the front suspension crossmember.



(d) Keep the engine level.



(e) Install the rear engine mounting member with the 4 bolts and 4 nuts.

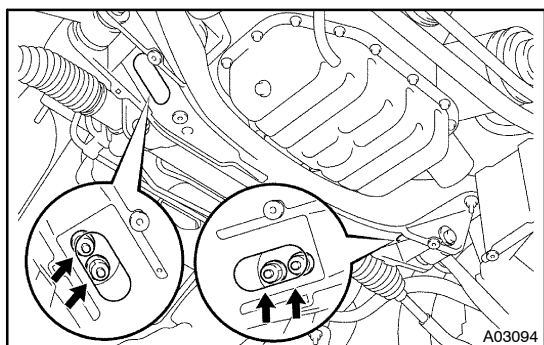
Torque:

25.5 N·m (260 kgf·cm, 19 ft·lbf) for bolt

13.5 N·m (138 kgf·cm, 10 ft·lbf) for nut

NOTICE:

Be careful of installation direction.



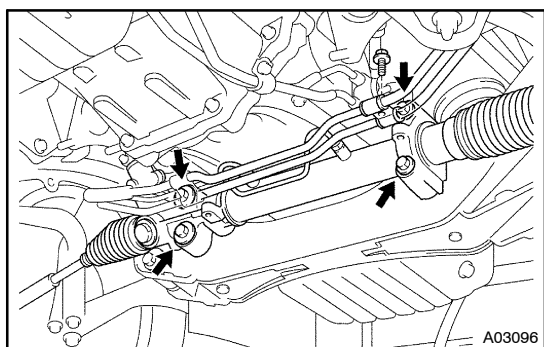
(f) Install the 4 nuts holding the engine mounting brackets to the front suspension crossmember.

Torque: 68 N·m (693 kgf·cm, 50 ft·lbf)

(g) Install the 2 hole plugs.

(h) Remove the engine chain hoist.

(i) Install the V-bank cover bracket No. 1 to the engine hanger No. 2 with the nut.



113. INSTALL POWER STEERING GEAR HOUSING ASSY

(a) Connect the sliding yoke to the PS gear housing and intermediate shaft.

(b) Install the PS gear housing with the 4 bolts.

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

(c) Install the 2 PS oil tubes with the bolts.

114. INSTALL HEIGHT CONTROL SENSOR LINK SUB-ASSY FRONT (See page 26-25)

115. INSTALL PNEUMATIC FRONT RH W/SHOCK ABSORBER CYLINDER ASSY (See page 26-12)

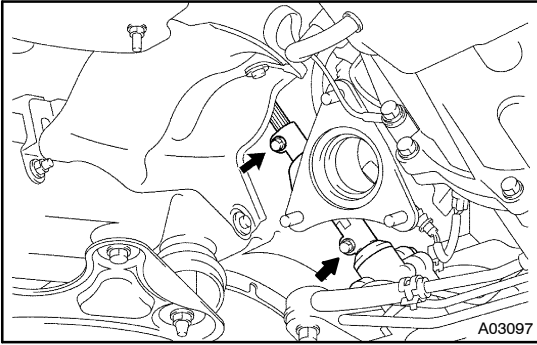
116. INSTALL PNEUMATIC FRONT LH W/SHOCK ABSORBER CYLINDER ASSY (See page 26-12)

117. INSTALL FRONT SUSPENSION UPPER ARM ASSY RH (See page 26-23)

118. INSTALL FRONT SUSPENSION UPPER ARM ASSY LH (See page 26-23)

119. INSTALL FRONT DISC BRAKE CYLINDER ASSY RH (See page 32-39)

120. INSTALL DISC BRAKE CYLINDER ASSY LH (See page 32-39)



121. INSTALL STEERING SLIDING W/ SHAFT YOKE SUB-ASSY

- (a) Tighten the 2 bolts for sliding yoke.
Torque: 35 N·m (357 kgf·cm, 26 ft·lbf)

122. INSTALL FLOOR SHIFT GEAR SHIFTING ROD SUB-ASSY

123. INSTALL PROPELLER W/CENTER BEARING SHAFT ASSY (See page 30-9)

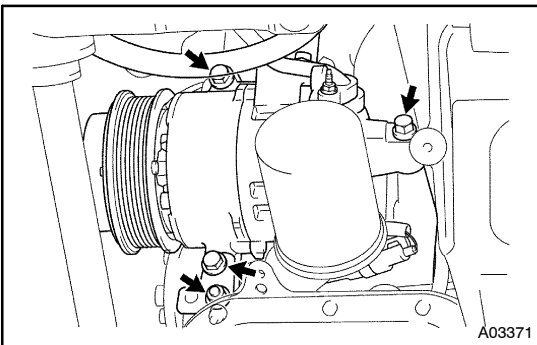
124. INSTALL PARKING BRAKE CABLE HEAT INSULATOR

125. INSTALL FRONT FLOOR HEAT INSULATOR NO.1

126. INSTALL W/CATALYST CONVERTER ASSY

127. INSTALL EXHAUST PIPE ASSY (See page 5-4)

128. INSTALL FRONT FLOOR BRACE CENTER



129. INSTALL COOLER COMPRESSOR ASSY

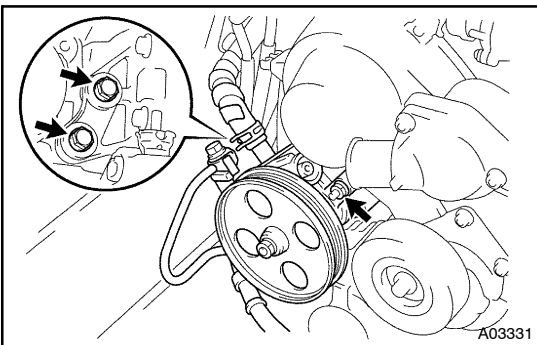
- (a) Install the cooler compressor, stay and wire bracket with the 3 bolts and nut.

Torque:

49 N·m (500 kgf·cm, 36 ft·lbf) for bolt

29 N·m (296 kgf·cm, 21 ft·lbf) for nut

- (b) Connect the compressor connector.
(c) Install the wire clamp.



130. INSTALL VANE PUMP ASSY

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

Torque:

39.2 N·m (400 kgf·cm, 29 ft·lbf) for bolt

43.1 N·m (440 kgf·cm, 32 ft·lbf) for nut

- (b) Connect the PS oil pressure switch connector.
(c) Install the RH engine under cover with the 2 screws.
(d) Connect the 2 PS air hoses to the vane pump.

131. INSTALL VANE PUMP OIL RESERVOIR ASSY

132. CONNECT HEATER WATER OUTLET HOSE A (FROM HEATER UNIT)

133. CONNECT HEATER WATER INLET HOSE A

134. CONNECT FUEL VAPOR FEED HOSE NO.2

135. CONNECT AIR HOSE NO.5

136. CONNECT ENGINE WIRE

- (a) Connect the engine wire from the ECM box.
(b) Install the nut, and connect the generator wire to the generator.
(c) Connect the wire for generator wire to the wire clamp on generator.
(d) Connect the ground cable to the stay on generator with the bolt.

- (e) Connect the PS oil hose to the No. 1 oil pan with the 2 bolts.
- (f) Connect the ground strap to the body with the 2 bolts.
- 137. INSTALL FAN AND GENERATOR V-BELT (See page 14-6)
- 138. CONNECT FUEL PIPE SUB-ASSY NO.2 (See page 11-16)
- 139. INSTALL RADIATOR ASSY (See page 16-20)
- 140. INSTALL ENGINE UNDER COVER NO.2
- 141. INSTALL ENGINE UNDER COVER NO.1
- 142. INSTALL FRONT WHEEL
- 143. INSTALL AIR CLEANER ASSY
- 144. INSTALL INTAKE AIR CONNECTOR PIPE
- 145. INSTALL AIR CLEANER INLET NO.1
- 146. INSTALL V-BANK COVER
- 147. INSTALL HOOD SUB-ASSY (See page 75-4)
- 148. CONNECT BATTERY NEGATIVE TERMINAL
- 149. POWER WINDOW CONTROL SYSTEM INITIALIZE (See page 05-1984)
- 150. FRONT POWER SEAT CONTROL SYSTEM INITIALIZE (See page 05-2280)
- 151. BACK GUIDE MONITOR SYSTEM INITIALIZE (See page 05-1913)
- 152. ADD AUTOMATIC TRANSMISSION FLUID
- 153. ADD ENGINE COOLANT (See page 16-8)
- 154. ADD ENGINE OIL
- 155. INSPECT AUTOMATIC TRANSMISSION FLUID (See page 40-2)
- 156. INSPECT ENGINE OIL LEAKS (See page 17-1)
- 157. CHECK FOR ENGINE COOLANT LEAKS (See page 16-1)
- 158. INSPECT FOR FUEL LEAKS (See page 11-9)
- 159. CHECK FOR EXHAUST GAS LEAKS
- 160. INSPECT AND ADJUST FRONT WHEEL ALIGNMENT (See page 26-8)
- 161. INSPECT IGNITION TIMING (See page 14-1)
- 162. INSPECT ENGINE IDLE SPEED (See page 14-1)
- 163. INSPECT CO/HC (See page 14-1)
- 164. ADJUST ENGINE (See page 14-1)
- 165. CHECK ABS SPEED SENSOR SIGNAL (See page 05-389)