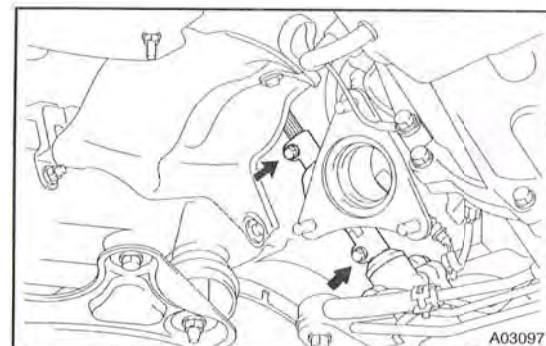


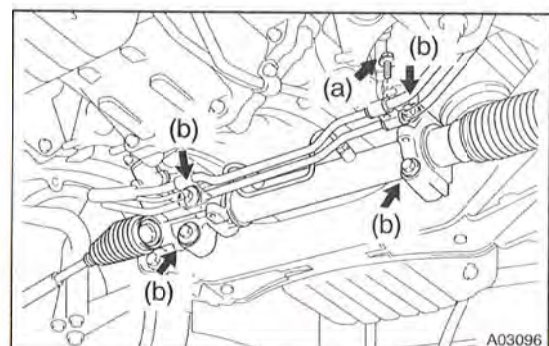
REPLACEMENT

1. **WORK FOR PREVENTING GASOLINE FROM SPILLING OUT (See page 11-5)**
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 (See page 16-20)**
15. **DISCONNECT FUEL PIPE SUB-ASSY NO.2 (See page 11-5)**
16. **REMOVE FAN AND GENERATOR V BELT (See page 14-5)**
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 15-3)**
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)**

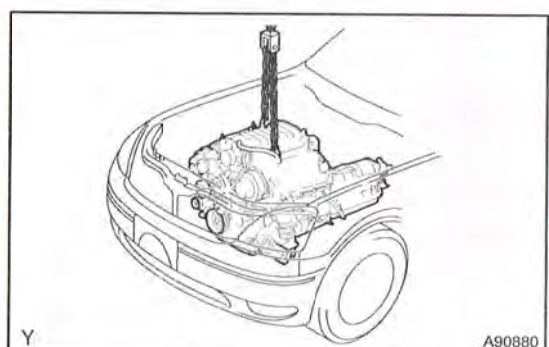
31. REMOVE FLOOR SHIFT GEAR SHIFTING ROD SUB-ASSY**32. REMOVE STEERING SLIDING W/SHAFT YOKE SUB-ASSY**

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

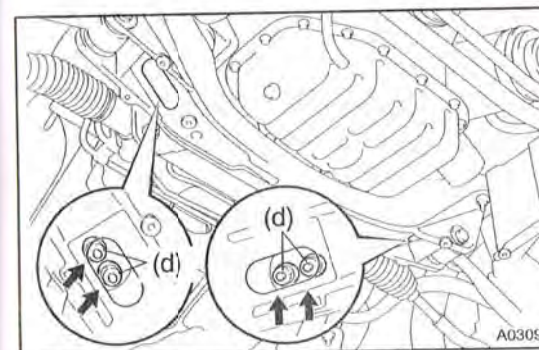
33. REMOVE FRONT DISC BRAKE CYLINDER ASSY RH (See page 32-31)
34. REMOVE DISC BRAKE CYLINDER ASSY LH (See page 32-31)
35. REMOVE FRONT SUSPENSION UPPER ARM ASSY RH (See page 26-23)
36. REMOVE FRONT SUSPENSION UPPER ARM ASSY LH (See page 26-23)
37. REMOVE PNEUMATIC FRONT RH W/SHOCK ABSORBER CYLINDER ASSY (See page 26-18)
38. REMOVE PNEUMATIC FRONT LH W/SHOCK ABSORBER CYLINDER ASSY (See page 26-18)
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**

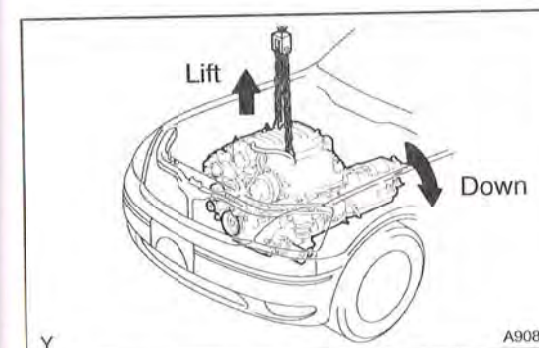
- (a) Remove the bolt, and disconnect the 2 PS oil tubes from the front frame.
- (b) Remove the 4 bolts, and disconnect the PS gear housing from the front frame.
- (c) Suspend the PS gear housing securely.

**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.



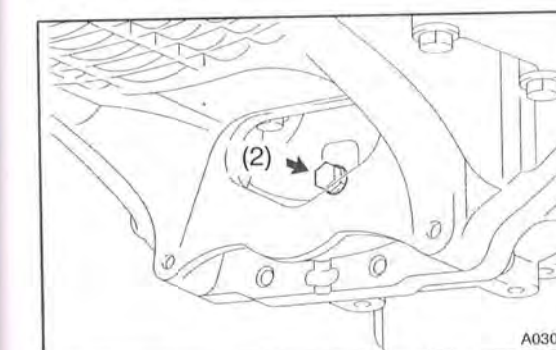
- (f) Lift the engine out of the vehicle slowly and carefully.
HINT:
Make sure the engine is clear of all wiring, hose and cable.
- (g) Place the engine and transmission assy onto the stand.

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.

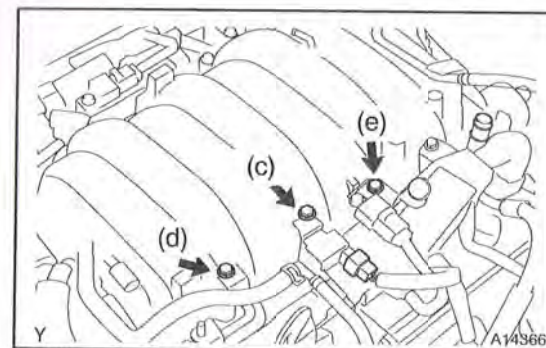
44. REMOVE TRANSMISSION OIL FILTER TUBE SUB-ASSY**45. REMOVE OIL COOLER OUTLET TUBE NO.1****46. REMOVE OIL COOLER INLET TUBE NO.1****47. REMOVE AUTOMATIC TRANSMISSION ASSY**

- (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.

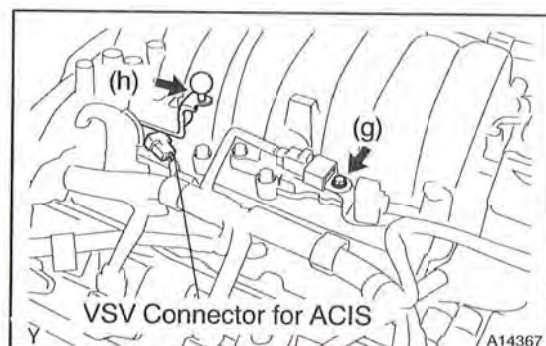
**48. REMOVE DRIVE PLATE & RING GEAR SUB-ASSY**

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

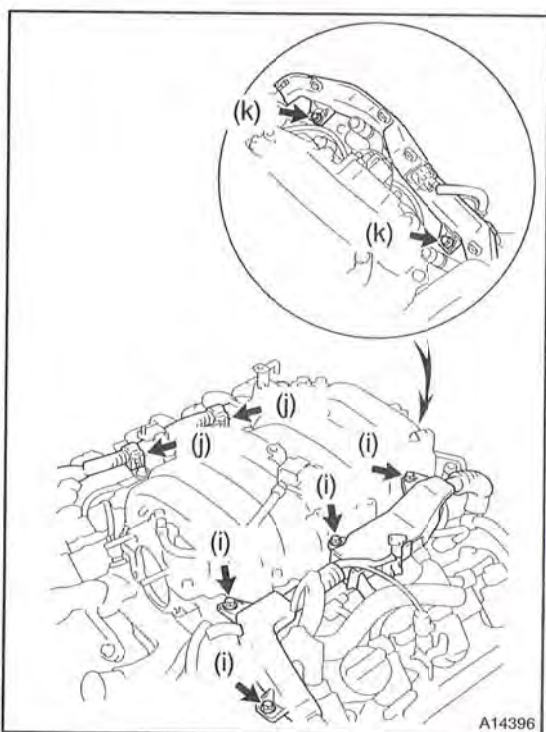
49. INSTALL ENGINE STAND**50. REMOVE THROTTLE BODY ASSY (See page 10-8)**

**51. REMOVE INTAKE MANIFOLD ASSY**

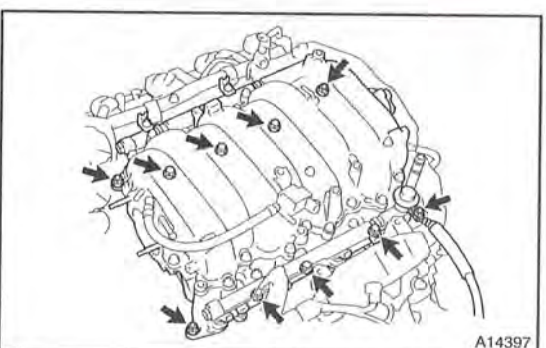
- (a) Disconnect the VSV connector for EVAP.
- (b) Disconnect the EVAP hose from the VSV for EVAP.
- (c) Remove the bolt, disconnect the VSV for EVAP from the upper intake manifold.
- (d) Remove the bolt and V-bank cover bracket No. 2.
- (e) Remove the bolt and V-bank cover bracket No. 3.



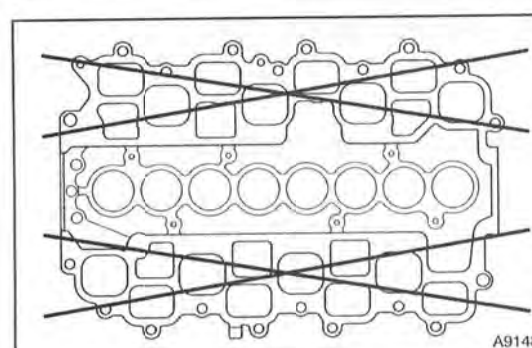
- (f) Disconnect the VSV connector for ACIS.
- (g) Remove the bolt and V-bank cover bracket No. 1.
- (h) Remove the bolt and V-bank cover fastener.



- (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.



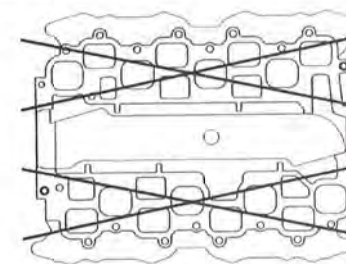
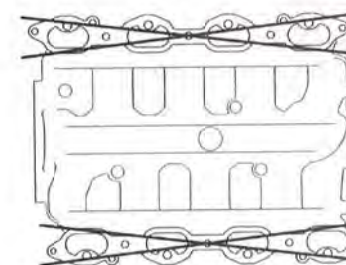
- (l) Disconnect the 8 injector connectors.
- (m) Remove the 6 bolts, 4 nuts, intake manifold assy and 2 gaskets.

**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.

Upper Intake Manifold Side**Cylinder Head Side**

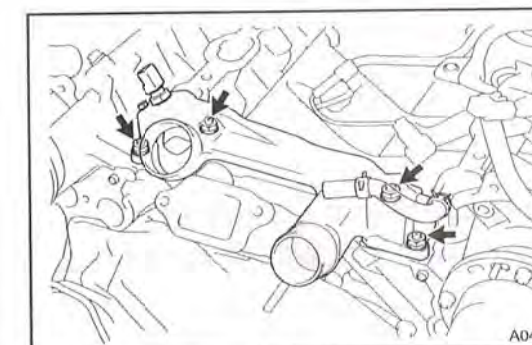
- (b) Lower intake manifold:
Using a precision straight edge and feeler gauge, measure the surface contacting the cylinder head for warpage.

Maximum warpage: 0.15 mm (0.0059 in.)

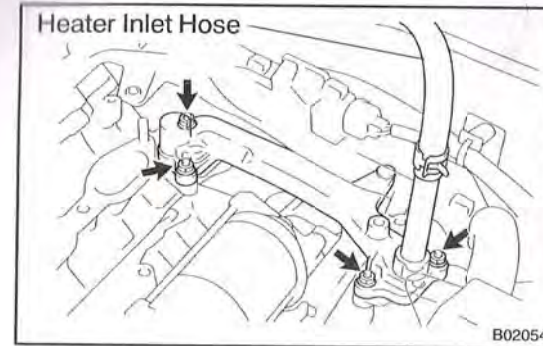
If the warpage is greater than the maximum, replace the manifold.

53. REMOVE STARTER ASSY (See page 19-9)**54. REMOVE GENERATOR ASSY (See page 19-24)****55. REMOVE WATER INLET HOUSING**

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

**56. REMOVE WATER BY-PASS JOINT FR**

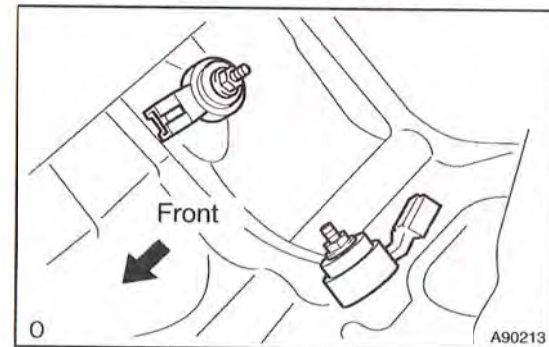
- (a) Disconnect the ECT sensor connector.
- (b) Remove the 4 nuts, water by-pass joint and 2 gaskets.

**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

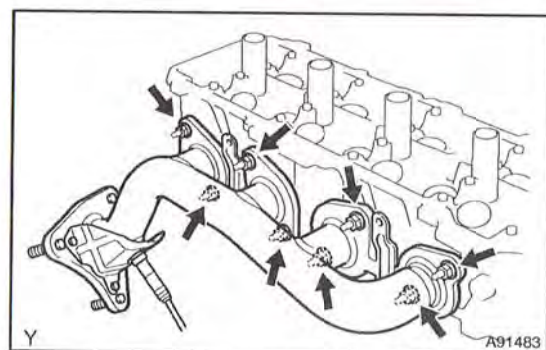
- (a) Disconnect the heater outlet hose from the water by-pass pipe.
- (b) Disconnect the wire clamp (for knock sensor bank 1, 2) from the bracket of the water by-pass pipe.
- (c) Remove the bolt.
- (d) Pull out the water by-pass pipe from the water pump.
- (e) Remove the O-ring from the water by-pass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

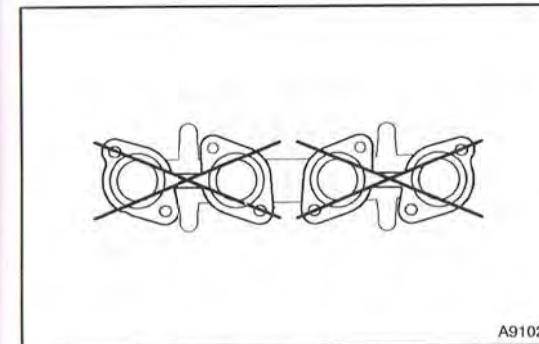
- (a) Disconnect the 2 knock sensor connectors.
- (b) Remove the 2 nuts and 2 knock sensors.

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**

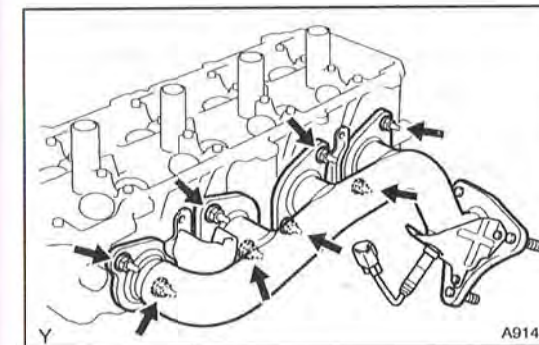
- (a) Remove the 8 nuts, exhaust manifold and gasket.

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

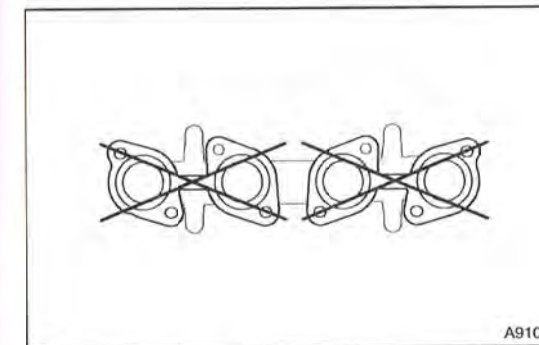
- (a) Using a precision straight edge and feeler gauge, measure the surface contacting the cylinder head for warpage.

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".



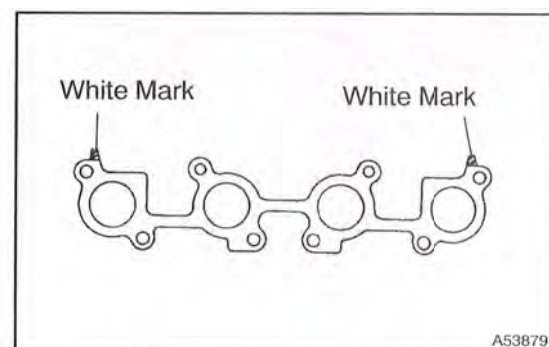
80. INSTALL ENGINE MOUNTING BRACKET FRONT NO.1 RH

- (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

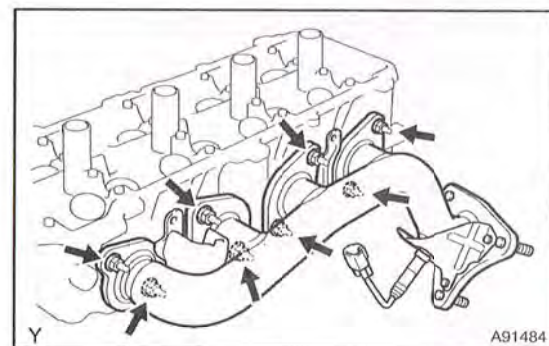


82. INSTALL EXHAUST MANIFOLD SUB-ASSY LH

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

NOTICE:

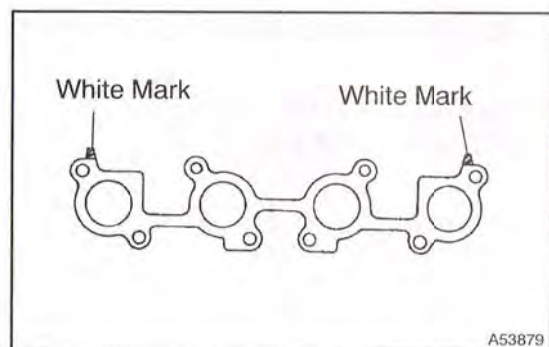
Be careful of the installation direction.



- (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

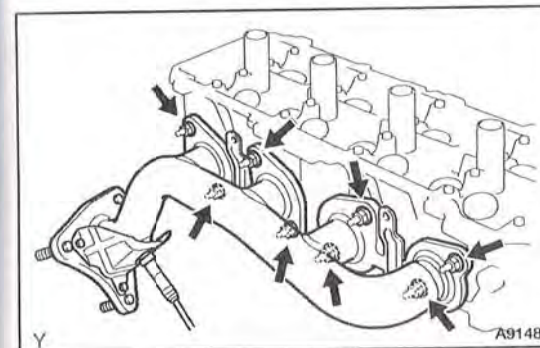


84. INSTALL EXHAUST MANIFOLD SUB-ASSY RH

- (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 18-13)

88. INSTALL OIL FILTER BRACKET SUB-ASSY

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

89. INSTALL IGNITION COIL ASSY

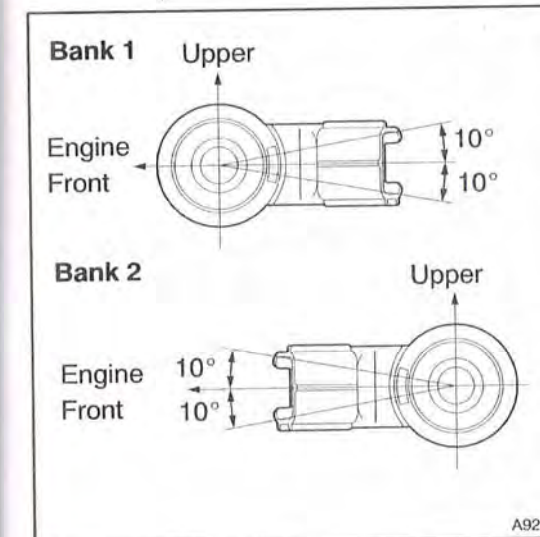
Torque: 7.5 N·m (76.5 kgf·cm, 66 in·lbf)

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 (77 kgf·cm, 66 in·lbf)

95. INSTALL CAMSHAFT TIMING OIL CONTROL VALVE ASSY (See page 10-16 and 10-18)

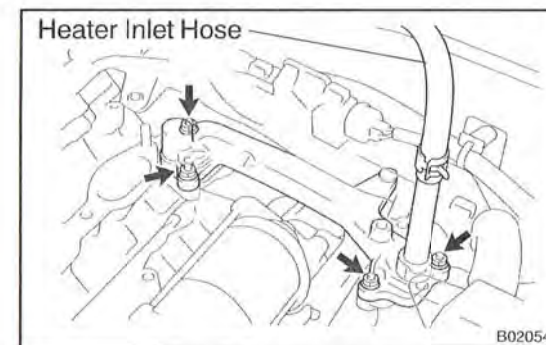
96. INSTALL OIL LEVEL GAGE GUIDE

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

97. INSTALL WATER BY-PASS PIPE SUB-ASSY

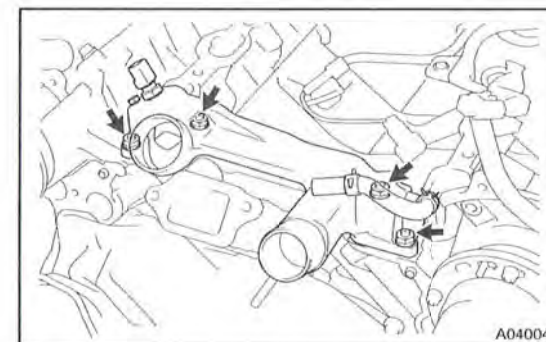
- (a) Install a new O-ring to the water by-pass pipe.
(b) Apply soapy water to the O-ring.
(c) Push in the water by-pass pipe end into the pipe hole of the water pump.

- (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.



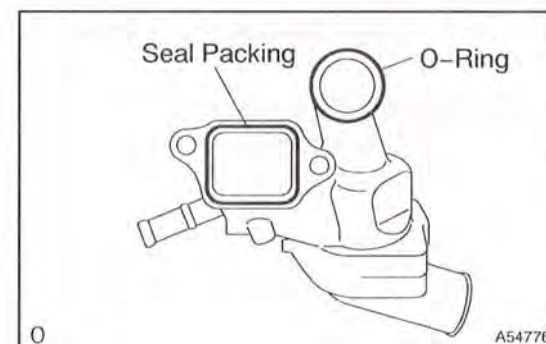
98. INSTALL WATER BY-PASS JOINT RR

- (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 19-24)

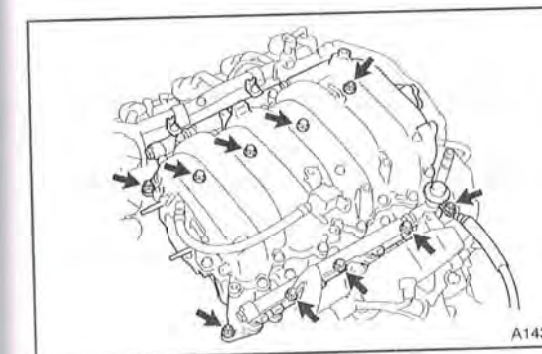
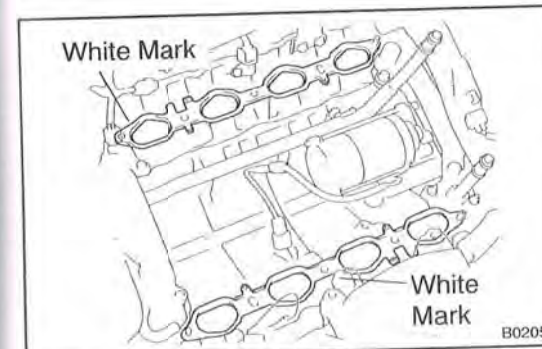
102. INSTALL STARTER ASSY (See page 19-9)

103. INSTALL INTAKE MANIFOLD ASSY

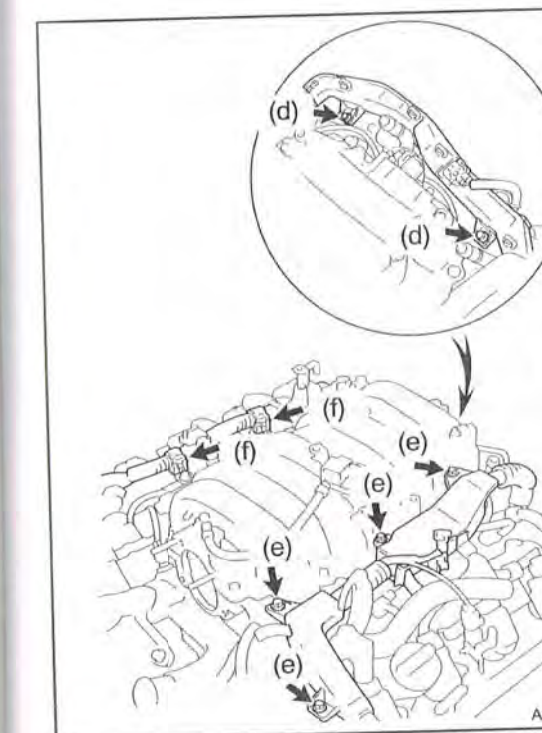
- (a) Place 2 new gaskets on the cylinder heads with the white mark facing outward.

NOTICE:

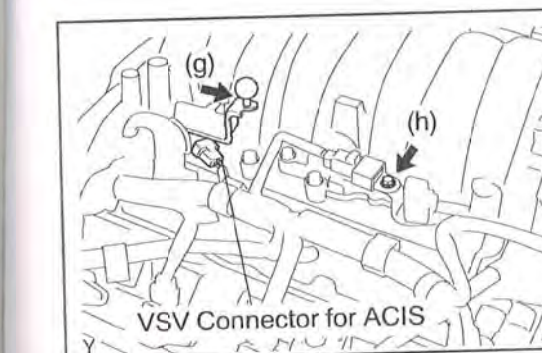
Be careful of the installation direction.



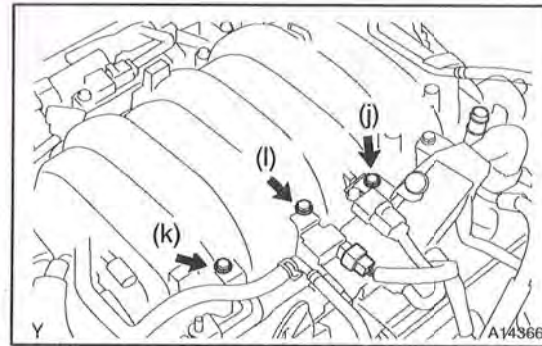
- (b) Install the intake manifold assy with the 6 bolts and 4 nuts.
Torque: 18 N·m (184 kgf·cm, 13 ft·lbf)
- (c) Connect the 8 injector connectors.



- (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 10-8)

105. REMOVE ENGINE STAND

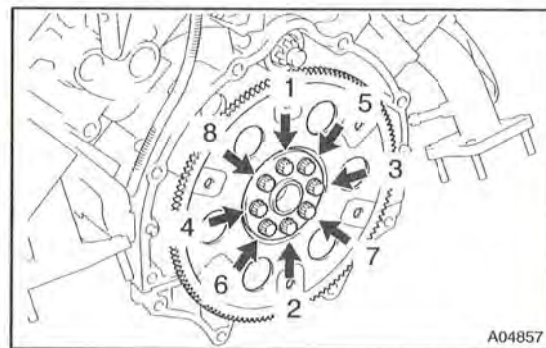
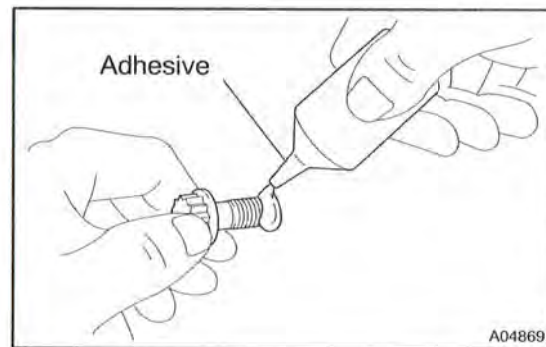
106. INSTALL DRIVE PLATE & RING GEAR SUB-ASSY

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.

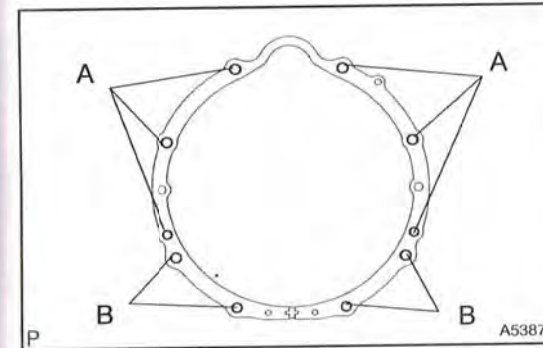
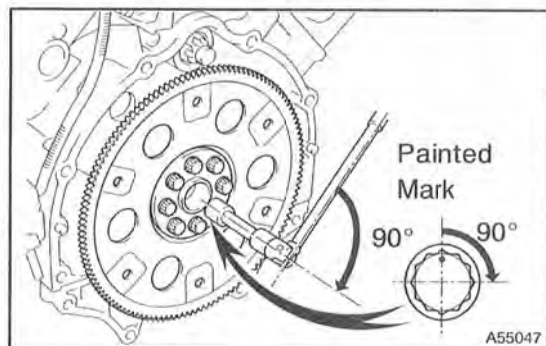
- (a) Apply adhesive to 2 or 3 threads of the mounting bolt end.
Adhesive:
Part No. 08833-00070, THREE BOND 1324 or equivalent



- (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).

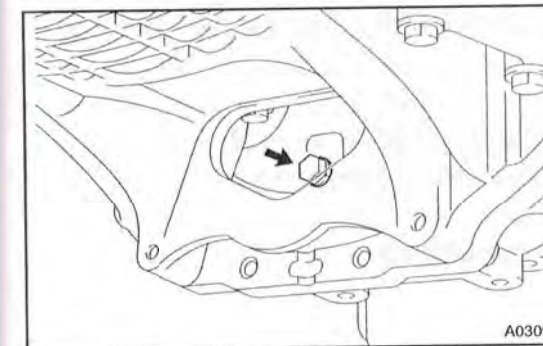


107. INSTALL AUTOMATIC TRANSMISSION ASSY

- (a) Check the torque converter clutch installation (see page 40-26).
- (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)

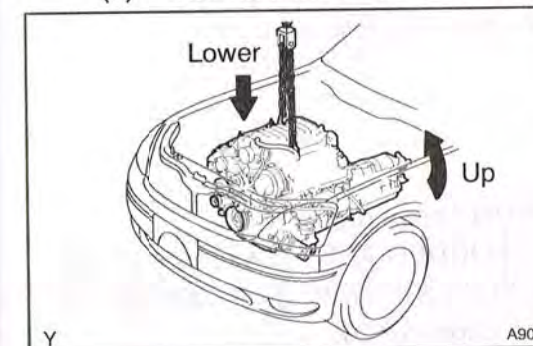
108. INSTALL OIL COOLER INLET TUBE NO.1

109. INSTALL OIL COOLER OUTLET TUBE NO.1

110. INSTALL TRANSMISSION OIL FILTER TUBE SUB-ASSY

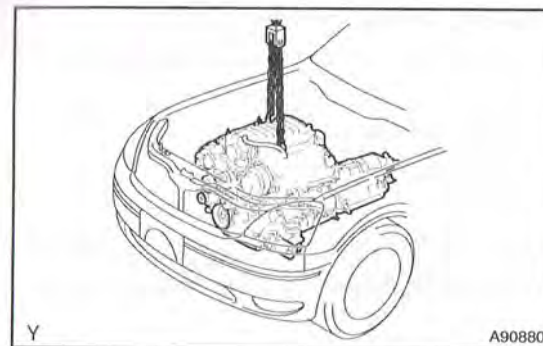
111. CONNECT ENGINE WIRE

- (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.

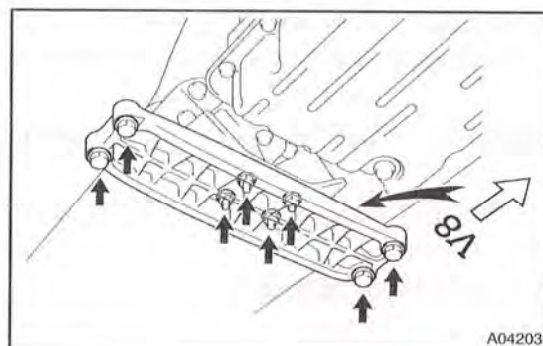


112. INSTALL ENGINE W/ TRANSMISSION ASSEMBLY

- (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.

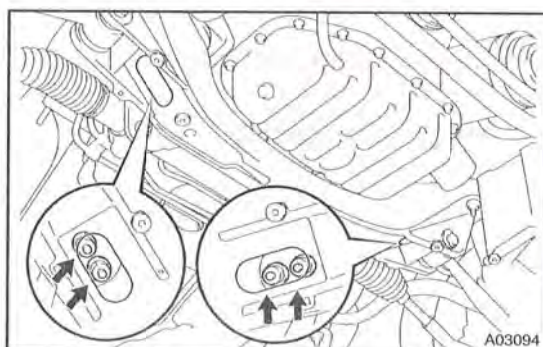
Torque:

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.



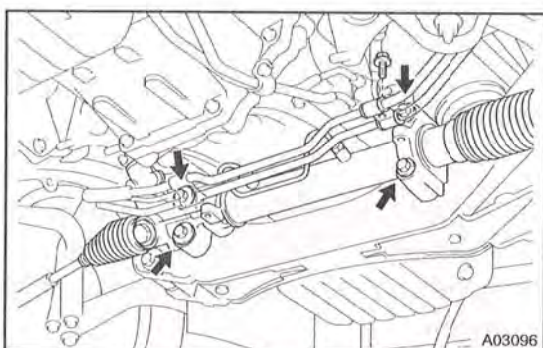
- (f) Install the 4 nuts holding the engine mounting brackets to the front suspension crossmember.

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)

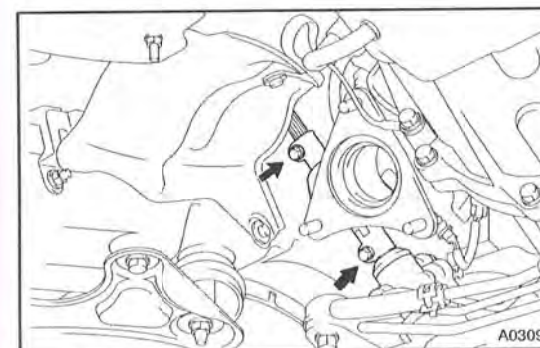
116. INSTALL PNEUMATIC FRONT LH W/SHOCK ABSORBER CYLINDER ASSY (See page 26-12)

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 32-31)

120. INSTALL DISC BRAKE CYLINDER ASSY LH (See page 32-31)



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)

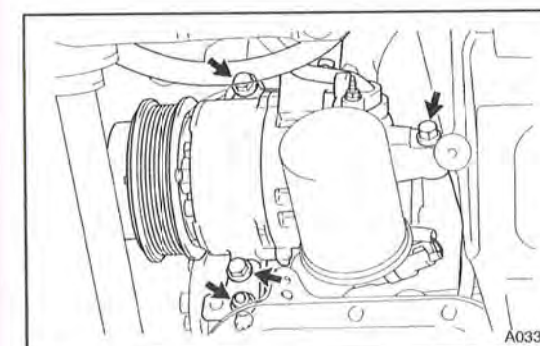
124. INSTALL PARKING BRAKE CABLE HEAT INSULATOR

125. INSTALL FRONT FLOOR HEAT INSULATOR NO.1

126. INSTALL W/CATALYST CONVERTER ASSY

127. INSTALL EXHAUST PIPE ASSY (See page 15-3)

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.

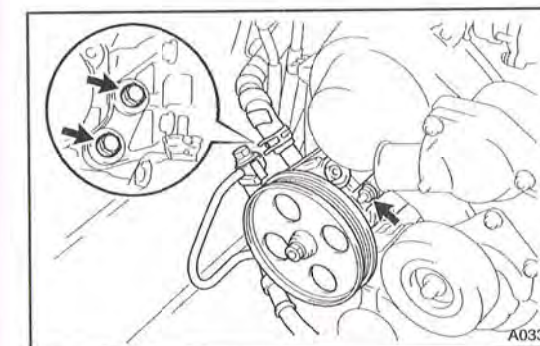
Torque:

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 19-24)
- 138. **CONNECT FUEL PIPE SUB-ASSY NO.2** (See page 11-15)
- 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 05-2002)
- 150. **FRONT POWER SEAT CONTROL SYSTEM INITIALIZE** (See page 05-2220)
- 151. **ADD AUTOMATIC TRANSMISSION FLUID**
- 152. **ADD ENGINE COOLANT** (See page 16-8)
- 153. **ADD ENGINE OIL** (See page 17-3)
- 154. **ADD POWER STEERING FLUID**
- 155. **BLEED POWER STEERING FLUID**
- 156. **INSPECT AUTOMATIC TRANSMISSION FLUID** (See page 40-2)
- 157. **INSPECT ENGINE OIL LEAKS**
- 158. **CHECK FOR ENGINE COOLANT LEAKS**
- 159. **INSPECT FOR FUEL LEAKS**
- 160. **CHECK FOR EXHAUST GAS LEAKS**
- 161. **INSPECT AND ADJUST FRONT WHEEL ALIGNMENT**
- 162. **INSPECT IGNITION TIMING**
- 163. **INSPECT ENGINE IDLE SPEED**
- 164. **INSPECT CO/HC**
- 165. **ADJUST ENGINE** (See page 14-1)
- 166. **CHECK ABS SPEED SENSOR SIGNAL** (See page 05-437)