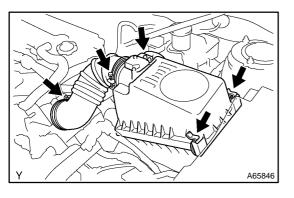
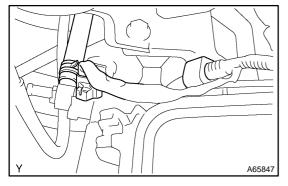
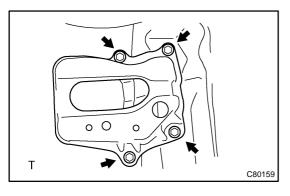
# REPLACEMENT

- 1. WORK FOR PREVENTING GASOLINE FROM SPILLING OUT (See page 11–1)
- 2. REMOVE FRONT WHEELS
- 3. REMOVE ENGINE UNDER COVER RH
- 4. REMOVE ENGINE UNDER COVER LH
- 5. DRAIN COOLANT (See page 16–6)
- 6. DRAIN MANUAL TRANSAXLE OIL (M/T TRANSAXLE) Torque: 39 N·m (398 kgf·cm, 29 ft·lbf)
- 7. DRAIN AUTOMATIC TRANSAXLE FLUID (A/T TRANSAXLE)
- (a) Using a 10 mm hexagon wrench, remove the drain plug and a gasket. Drain automatic transaxle fluid.
- (b) Install a new gasket and the drain plug. Torque: 49 N·m (500 kgf·cm, 36 ft·lbf)
- 8. REMOVE CYLINDER HEAD COVER NO.2
- (a) Remove the 3 bolts, the nut and the cylinder head cover No. 2.
- 9. **REMOVE BATTERY**







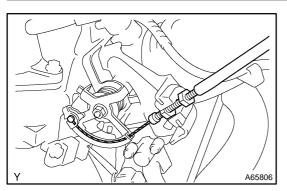
## 10. REMOVE AIR CLEANER ASSEMBLY WITH HOSE

- (a) Disconnect the MAF meter connector.
- (b) Place match marks on the vacuum hoses.
- (c) Disconnect the 5 vacuum hoses from the air cleaner cap.
- (d) Disconnect the 2 clamps, and disconnect the air cleaner cap from the air cleaner case.
- (e) Loosen the hose clamp bolt, and disconnect the air cleaner hose from the throttle body.
- (f) Remove the air cleaner assembly with hose.
- (g) Remove the air filter.
- (h) Disconnect the wireharness clamp, connector and hose.
- (i) Remove the 3 bolts and the air cleaner case.

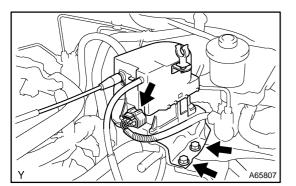
#### 11. REMOVE BATTERY CARRIER

(a) Remove the 4 bolts and battery carrier.

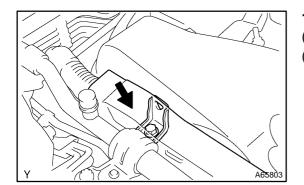
140R8-01



#### 12. SEPARATE ACCELERATOR CONTROL CABLE ASSY

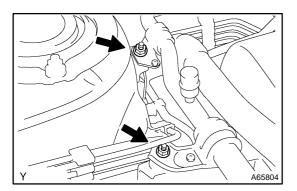


- 13. REMOVE CRUISE CONTROL ACTUATOR ASSY (W/ CRUISE CONTROL)
- (a) Disconnect the actuator connector.
- (b) Remove the 2 bolts, and disconnect the actuator from the body.



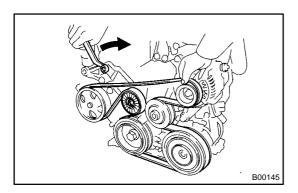
## 14. REMOVE WIRE HARNESS CLAMP

- (a) Disconnect engine wire harness.
- (b) Remove the bolt and wiring harness clamp bracket.



## 15. DISCONNECT SUCTION HOSE SUB-ASSY

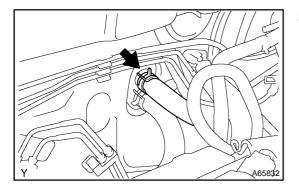
- (a) Remove the 2 nuts installing the suction hose sub–assy.
- (b) Disconnect the suction hose sub-assy.



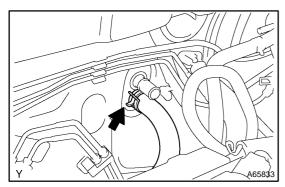
#### 16. REMOVE FAN AND GENERATOR V BELT

 (a) Turn the drive belt tensioner slowly clockwise and loosen it. Then, remove the drive belt and put back the drive belt tensioner little by little and fix it quietly.

- 17. REMOVE EFI FUEL PIPE CLAMP (See page 11–1)
- 18. DISCONNECT FUEL TUBE SUB-ASSY (See page 11-1)
- **19. DISCONNECT RADIATOR HOSE INLET**
- (a) Disconnect the radiator hose inlet from the radiator.
- 20. DISCONNECT RADIATOR HOSE OUTLET
- (a) Disconnect the radiator hose outlet from the radiator.
- 21. DISCONNECT FLOOR SHIFT CABLE TRANSMISSION CONTROL SHIFT (M/T TRANSAXLE) (See page 41–17)
- 22. DISCONNECT FLOOR SHIFT CABLE TRANSMISSION CONTROL SELECT (M/T TRANSAXLE) (See page 41–17)
- 23. DISCONNECT FLOOR SHIFT CABLE TRANSMISSION CONTROL SHIFT (A/T TRANSAXLE) (See page 40–25)



- 24. DISCONNECT HEATER INLET WATER HOSE
- (a) Disconnect the heater inlet water hose from the air conditioner tube.

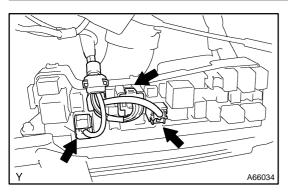


- 25. DISCONNECT HEATER OUTLET WATER HOSE
- (a) Disconnect the heater outlet water hose from the air conditioner tube.

- 26. DISCONNECT UNION TO CONNECTOR TUBE HOSE(a) Disconnect the union to check valve hose from the brake booster.

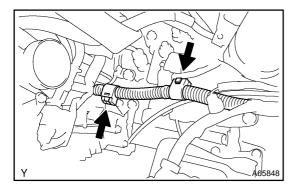
27. REMOVE GLOVE COMPARTMENT DOOR ASSY (See page 71–10)

#### ENGINE MECHANICAL - PARTIAL ENGINE ASSY (2ZZ-GE)



## 28. DISCONNECT ENGINE WIRE

- (a) Remove the engine room relay block cover.
- (b) Disconnect the 3 connectors.

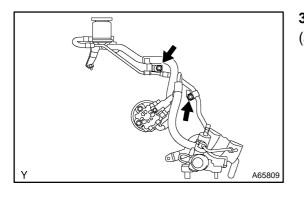


(c) Disconnect the 2 wireharness clamps.

- (d) Disconnect the 2 ground cables from the vehicle.
- (e) Disconnect the 2 ECM connectors.
- (f) Disconnect the 3 cowl wire connectors from connectors on bracket.
- (g) Pull out the engine wire from the cabin.
- 29. REMOVE RADIATOR ASSY (W/ AIR CONDITIONER) (See page 16–15)
- 30. DISCONNECT CLUTCH RELEASE CYLINDER ASSY (M/T TRANSAXLE) (See page 41–17)
- 31. REMOVE COMPRESSOR AND MAGNETIC CLUTCH (W/ AIR CONDITIONER) (See page 55–34)

HINT:

Hung up the hoses instead of detaching.



# 32. SEPARATE RETURN TUBE SUB-ASSY

(a) Remove the 2 clamp bolts, and separate the return tube sub-assy.

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- 33. SEPARATE VANE PUMP OIL RESERVOIR ASSY
- (a) Remove the 2 bolts and the oil reservoir assy.
- 34. REMOVE FLOOR PANEL BRACE FRONT (See page 15–9)
- 35. REMOVE EXHAUST PIPE ASSY FRONT (See page 15–9)
- 36. REMOVE STEERING INTERMEDIATE SHAFT (See page 51–22)
- 37. REMOVE FRONT AXLE HUB LH NUT(See page 30–32) SST 09930-00010
- 38. **REMOVE FRONT AXLE HUB RH NUT** SST 09930-00010

## HINT:

Perform the same procedure as above on the opposite side.

- 39. SEPARATE TIE ROD END SUB-ASSY LH (See page 51-22) SST 09628-62011
- 40. SEPARATE TIE ROD END SUB-ASSY RH

09628-62011 SST

HINT:

Perform the same procedure as above on the opposite side.

41. SEPARATE FRONT STABILIZER LINK ASSY LH (See page 26–22)

## 42. SEPARATE FRONT STABILIZER LINK ASSY RH

HINT:

Perform the same procedure as above on the opposite side.

43. SEPARATE FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 LH (See page 26-15)

RH.

Set the engine lifter.

44. SEPARATE FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 RH

HINT:

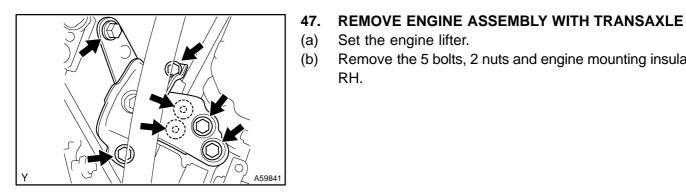
Perform the same procedure as above on the opposite side.

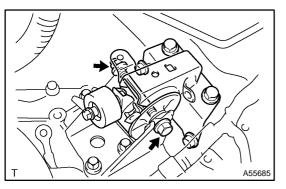
## 45. SEPARATE FRONT AXLE ASSY LH (See page 30–32)

# 46. SEPARATE FRONT AXLE ASSY RH

HINT:

Perform the same procedure as above on the opposite side.



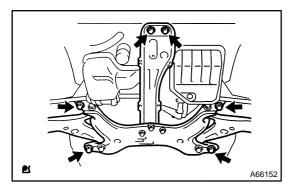


Remove the through bolt and nut, detach the engine (C) mounting insulator LH from the vehicle.

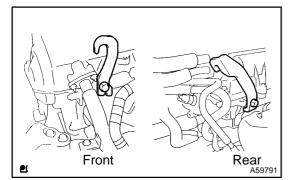
Remove the 5 bolts, 2 nuts and engine mounting insulator

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- (d) Remove the 6 bolts, as shown in the illustration.
- (e) Carefully, remove the engine assembly from the vehicle.



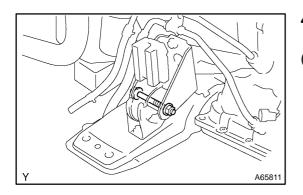
(f) Install the 2 engine hangers as shown in the illustration.
 Parts No.:
 No. 1 engine hanger 12281–88600
 No. 2 engine hanger 12282–88600
 Bolt: 91512–61020

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

HINT:

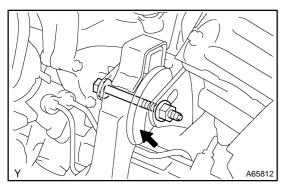
Be sure to install engine hanger (12281–88600) to the front side of the engine, and engine hanger (12282–88600) to the rear side.

(g) Using the chain block and engine sling device, hang the engine assembly.



## 48. REMOVE FRONT SUSPENSION COSSMENBER W/CENTER MENBER

(a) Remove the through bolt and a nut, detach the engine mounting insulator FR from the engine mounting bracket.



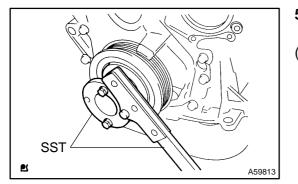
- (b) Remove the through bolt, detach the engine mounting insulator RR from the suspension crossmember.
- (c) Separate the engine and transaxle assembly from the front suspension crossmember w/center member.

- 49. REMOVE STARTER ASSY (See page 19–3)
- 50. REMOVE FRONT DRIVE SHAFT ASSY RH (See page 30-32) SST 09520-01010, 09520-24010 (09520-32040)
- 51. SEPARATE MANUAL TRANSAXLE ASSY (M/T TRANSAXLE) (See page 41–17)
- 52. SEPARATE AUTOMATIC TRANSAXLE ASSY (A/T TRANSAXLE) (See page 40–25)

2003 COROLLA MATRIX 218W (RM940U)

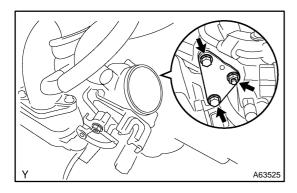
# 53. REMOVE CLUTCH COVER ASSY (M/T TRANSAXLE) (See page 42–18)

54. REMOVE CLUTCH DISC ASSY (M/T TRANSAXLE) (See page 42–18)

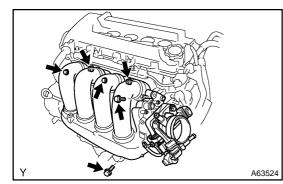


- 55. REMOVE DRIVE PLATE AND RING GEAR OR FLYWHEEL
- (a) Fix the crankshaft with SST, then remove the drive plate and ring gear or the flywheel.
  - SST 09213–70011 (09213–70020), 09330–00021

- 56. INSTALL ENGINE STAND
- 57. REMOVE OIL LEVEL GAGE SUB-ASSY
- 58. REMOVE OIL LEVEL GAGE GUIDE



- 59. REMOVE SURGE TANK STAY NO.1
- (a) Remove the 2 bolts, the nut and the surge tank stay.

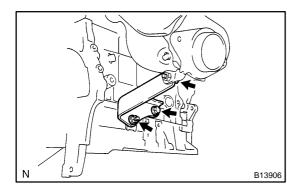


## 60. REMOVE INTAKE MANIFOLD

(a) Remove the 4 bolts, the 2 nuts, the intake manifold and the gasket.

## 61. REMOVE V-RIBBED BELT TENSIONER ASSY

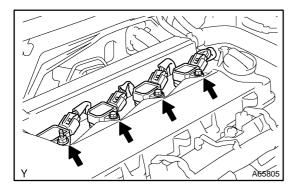
(a) Remove the bolt, the nut and the v-ribbed belt tensioner assy.



#### 62. REMOVE MANIFOLD STAY

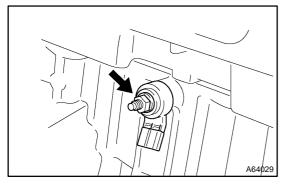
(a) Remove the 2 bolts, the nut and exhaust manifold stay.

- 63. REMOVE EXHAUST MANIFOLD HEAT INSULATOR NO.1
- 64. REMOVE EXHAUST MANIFOLD
- (a) Remove the 3 bolts, 2 nuts, exhaust manifold and gasket.
- 65. REMOVE GENERATOR BRACKET NO.1 (See page 19–15)
- 66. REMOVE GENERATOR ASSY (See page 19–15)
- 67. REMOVE FUEL DELIVERY PIPE SUB-ASSY (See page 11-15)



- 68. REMOVE IGNITION COIL ASSY
- (a) Remove the 3 bolts, the nut and the 4 ignition coils.

- 69. REMOVE THERMOSTAT (See page 16–13)
- 70. REMOVE WATER BY-PASS PIPE NO.1
- (a) Remove the 2 bolts, the 2 nuts, the water by-pass pipe No. 1 and the gasket.
- 71. REMOVE ENGINE OIL PRESSURE SWITCH ASSY
- (a) Using the SST, remove the oil pressure switch. SST 09268–46021
- 72. REMOVE UNION TO CONNECTOR TUBE HOSE
- (a) Remove the clamp and tube.
- 73. REMOVE CRANK POSITION SENSOR
- 74. REMOVE CAM POSITION SENSOR

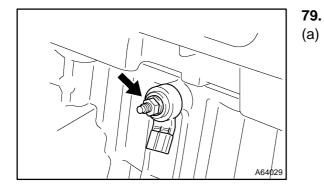


- 75. REMOVE KNOCK CONTROL SENSOR
- (a) Remove the nut and the knock control sensor.

## 76. REMOVE E.F.I. ENGINE COOLANT TEMPERATURE SENSOR

- (a) Using a SST, remove the water temperature sensor. SST 09817–33190
- 77. REPLACE PARTIAL ENGINE ASSY
- 78. INSTALL E.F.I. ENGINE COOLANT TEMPERATURE SENSOR
- (a) Install a new gasket to the water temperature sensor.
- (b) Using a SST, install the water temperature sensor.
   SST 09817–33190
   Terrue: 20 N m (208 kmf em 45 ft lbf)

Torque: 20 N m (208 kgf cm, 15 ft lbf)



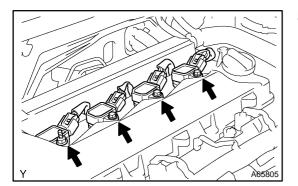
## 79. INSTALL KNOCK CONTROL SENSOR

install the nut and the knock control sensor. Torque: 20 N·m (204 kgf·cm, 15 ft·lbf)

- 80. INSTALL CAM POSITION SENSOR Torque: 9.0 N·m (92 kgf·cm, 80 in. lbf)
- 81. INSTALL CRANK POSITION SENSOR
- Install the crank position sensor and cord wiring clamp.
   Torque: 9.0 N·m (92 kgf·cm, 80 in.·lbf)
- 82. INSTALL UNION TO CONNECTOR TUBE HOSE Torque: 9.0 N⋅m (92 kgf⋅cm, 80 in. lbf)
- 83. INSTALL ENGINE OIL PRESSURE SWITCH ASSY
- (a) Clean the threads of the oil pressure switch, apply adhesive there.
   Adhesive:
   Part No. 08833–00080, THREE BOND 1344,
- (b) Using a SST, install the oil pressure switch.
   SST 09268–46021
   Torque: 15 N⋅m (153 kgf⋅cm, 11 ft⋅lbf)
- 84. INSTALL WATER BY-PASS PIPE NO.1
- (a) Install the 2 bolts, the 2 nuts, the new gasket and the water by–pass pipe. **Torque:**

8.5 N m (87 kgf cm, 75 in. lbf) for M6 21 N m (214 kgf cm, 15 ft lbf) for M8 10 N m (102 kgf cm, 7 ft lbf) for Nut

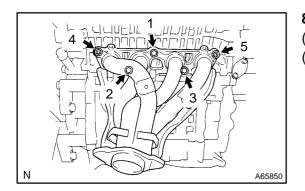
85. INSTALL THERMOSTAT (See page 16–13)



#### 86. INSTALL IGNITION COIL ASSY

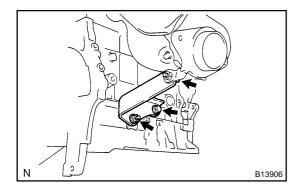
(a) Install the 3 bolts, the nut and the 4 ignition coils.
 Torque: 9.0 N·m (92 kgf·cm, 80 in.·lbf)

87. INSTALL FUEL DELIVERY PIPE SUB-ASSY (See page 11–15)



## 88. INSTALL EXHAUST MANIFOLD

- (a) Install a new gasket.
- (b) Install and uniformly tighten the 3 bolts and 2 nuts in several passes and in the sequence shown.
   Torque: 50 N·m (510 kgf·cm, 37 ft·lbf)
- 89. INSTALL EXHAUST MANIFOLD HEAT INSULATOR NO.1 Torque: 21 N m (214 kgf cm, 15 ft lbf)

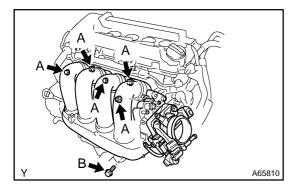


90. INSTALL MANIFOLD STAY Torque: 50 N·m (510 kgf cm, 37 ft lbf)

## 91. INSTALL V-RIBBED BELT TENSIONER ASSY

 (a) Install the bolt, the nut and v-ribbed belt tensioner assy.
 Torque: Nut: 29 N·m (296 kgf·cm, 21 ft·lbf)

Bolt: 100 N m (1,020 kgf cm, 74 ft lbf)

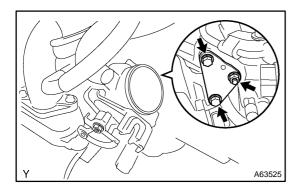


#### 92. INSTALL INTAKE MANIFOLD

- (a) Install the new gasket, the intake manifold with the 4 bolts and 2 nuts.
  - Torque:

A: 34 N·m (347 kgf·cm, 25 ft·lbf)

B: 46 N·m (469 kgf·cm, 34 ft·lbf)



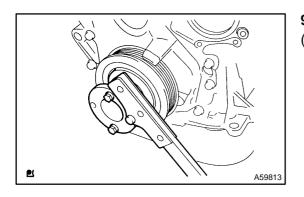
#### 93. INSTALL SURGE TANK STAY NO.1

Install the surge tank stay with the 2 bolts and nut.
 Torque:24 N·m (245 kgf·cm, 18 ft·lbf)

#### 94. INSTALL OIL LEVEL GAGE GUIDE

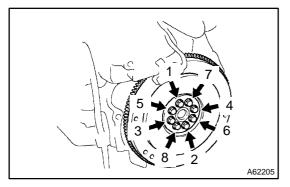
- (a) Apply a light coat of engine oil to a new O-ring, install it to the oil level gage guide.
- (b) Install the oil level gage and guide with the bolt.

## Torque: 24 N m (245 kgf cm, 18 ft lbf)



#### 95. INSTALL FLYWHEEL SUB-ASSY (M/T TRANSAXLE)

(a) Fix the crankshaft with SST. SST 09213–70011 (09213–70020), 09330–00021



- (b) Clean the bolt and bolt hole.
- (c) Apply adhesive to the bolts. Adhesive:

#### Part No. 09330–00070, THREE BOND or equivalent.

(d) Install and uniformly tighten the 8 bolts, in several passes, in the sequence shown.

Torque: 49 N·m (500 kgf·cm, 36 ft·lbf)

#### **ENGINE MECHANICAL** – PARTIAL ENGINE ASSY (2ZZ–GE)

angle.

Mark the bolts with paint.

Retighten the bolts by an additional 90°.

(e)

- 90° A62206
- 2 A59813
- (f) (g)



**INSTALL DRIVE PLATE & RING GEAR SUB-ASSY** 96. (A/T TRANSAXLE)

Check that the point marked bolts are moved at 90°

Fix the crankshaft with SST. (a) SST 09213-70011 (09213-70020), 09330-00021

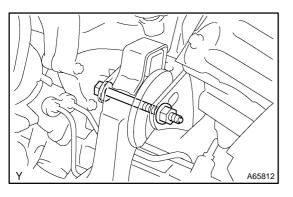
- (b) Clean the bolt and bolt hole.
- (c) Apply adhesive to the bolts. Adhesive:

Part No. 09330-00070, THREE BOND or equivalent.

Install and uniformly tighten the 8 bolts, in several passes, (d) in the sequence shown.

Torque: 88 N·m (897 kgf·cm, 65 ft·lbf)

- INSTALL CLUTCH DISC ASSY (M/T TRANSAXLE) (See page 42–18) 97. SST 09301-00210
- 98. INSTALL CLUTCH COVER ASSY (M/T TRANSAXLE) (See page 42–18) SST 09301-00210
- 99. INSTALL FRONT DRIVE SHAFT ASSY LH (See page 30–32)
- 100. INSTALL MANUAL TRANSAXLE ASSY (M/T TRANSAXLE) (See page 41–17)
- 101. INSTALL AUTOMATIC TRANSAXLE ASSY (A/T TRANSAXLE) (See page 40–25)
- 102. INSTALL STARTER ASSY (See page 19–3)

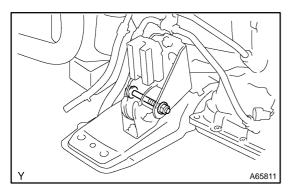


# **103. INSTALL FRONT SUSPENSION COSSMENBER** W/CENTER MENBER

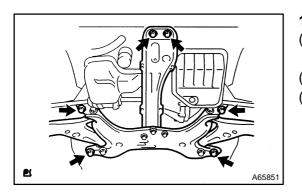
- Attach the engine and transaxle assembly to the suspen-(a) sion crossmember w/center member.
- Install the bolt holding the rear engine mounting bracket (b) to the mounting insulator.

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

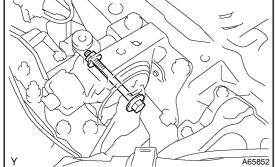
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(c) Install the bolt holding the front engine mounting bracket to the mounting insulator. Torque: 52 N·m (530 kgf·cm, 38 ft·lbf)

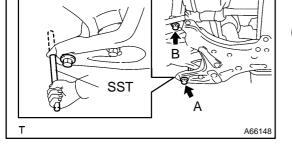


- **104. INSTALL ENGINE ASSEMBLY WITH TRANSAXLE**
- (a) Set the engine assembly with transaxle on the engine lifter.
- (b) Install the engine assembly to the vehicle.
- Temporarily, install the suspension crossmember and 6 (c) bolts.
- (d) Install the engine mounting insulator LH. Torque: 80 N-m (816 kgf-cm, 60 ft-lbf)

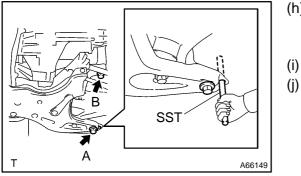


- A59841
  - (e)
    - Install the engine mounting insulator RH. Torque: 52 N·m (531 kgf·cm, 38 ft·lbf)

- Insert SST to the positioning holes on the right handle (f) crossmember and on the right-handle of the vehicle. 09670-00010 SST
- Temporarily tighten the bolt A first, then bolt B. (g)



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- (h) Insert SST to the positioning holes on the left-handle crossmember and on the left-handle of the vehicle.
   SST 09670-00010
- (i) Temporarily tighten the bolt A first, then bolt B.
  - Insert SST to the positioning holes on the right-handle crossmember and the right-handle of the vehicle, then the bolts with a specified torque.

SST 09670-00010

Torque:

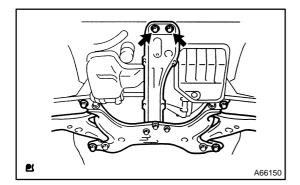
Bolt A: 157 N·m (1,601 kgf·cm, 116 ft·lbf) Bolt B: 113 N·m (1,152 kgf·cm, 83 ft·lbf)

(k) Insert SST to the positioning holes on the left-handle crossmember and the left-handle of the vehicle, then tighten the bolts with a specified torque.

SST 09670-00010

Torque:

Bolt A: 157 N·m (1,601 kgf·cm, 116 ft·lbf) Bolt B: 113 N·m (1,152 kgf·cm, 83 ft·lbf)



(1) Tighten the 2 bolts as shown in the illustration.

Torque: 39 N·m (398 kgf·cm, 29 ft·lbf)

## NOTICE:

After installing the crossmember, check that the positioning holes on the crossmember and the vehicle are aligned with each other.

105. INSTALL FRONT AXLE ASSY LH (See page 30–32) 106. INSTALL FRONT AXLE ASSY RH

HINT:

Perform the same procedure as above on the opposite side.

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107. INSTALL FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 LH (See page 26–15)
108. INSTALL FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 RH
HINT:
Perform the same procedure as above on the opposite side
```

Perform the same procedure as above on the opposite side.

109. INSTALL FRONT STABILIZER LINK ASSY LH (See page 26–22)

110. INSTALL FRONT STABILIZER LINK ASSY RH

HINT:

Perform the same procedure as above on the opposite side.

111. INSTALL TIE ROD END SUB-ASSY LH (See page 51-22)

## 112. INSTALL TIE ROD END SUB-ASSY RH

HINT:

Perform the same procedure as above on the opposite side.

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113. INSTALL FRONT AXLE HUB LH NUT (See page 30-32)
```

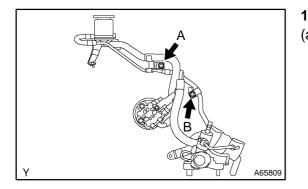
# 114. INSTALL FRONT AXLE HUB RH NUT

HINT:

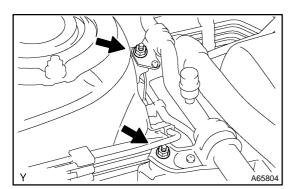
Perform the same procedure as above on the opposite side. 2003 COROLLA MATRIX 218W (RM940U)

## 115. INSTALL STEERING INTERMEDIATE SHAFT (See page 51–22)

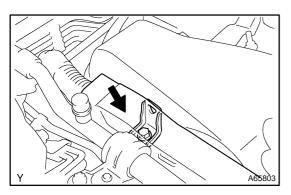
- 116. INSTALL EXHAUST PIPE ASSY FRONT (See page 15–9)
- 117. INSTALL FLOOR PANEL BRACE FRONT (See page 15–9)



- 118. INSTALL RETURN TUBE SUB-ASSY
- (a) Install the return tube with the 2 bolts.
   Torque:
   Bolt A: 5 0 N m (51 kgf om 44 in 1bf)
  - Bolt A: 5.0 N m (51 kgf cm, 44 in. lbf) Bolt B: 7.8 N m (80 kgf cm, 69 in. lbf)
- 119. INSTALL COMPRESSOR AND MAGNETIC CLUTCH (W/ AIR CONDITIONER) (See page 55-34)
- 120. INSTALL CLUTCH RELEASE CYLINDER ASSY (M/T TRANSAXLE) (See page 42–15)
- 121. INSTALL GENERATOR ASSY (See page 19–15)
- 122. INSTALL GENERATOR BRACKET NO.1 (See page 19–15)
- 123. INSTALL RADIATOR ASSY (W/ AIR CONDITIONER) (See page 16-15)
- 124. INSTALL GLOVE COMPARTMENT DOOR ASSY (See page 71–10)
- 125. INSTALL FLOOR SHIFT CABLE TRANSMISSION CONTROL SHIFT (M/T TRANSAXLE) (See page 41–17)
- 126. INSTALL FLOOR SHIFT CABLE TRANSMISSION CONTROL SELECT (M/T TRANSAXLE) (See page 41–17)
- 127. INSTALL FLOOR SHIFT CABLE TRANSMISSION CONTROL SHIFT (A/T TRANSAXLE) (See page 40–25)
- 128. CONNECT FUEL TUBE SUB-ASSY (See page 11-1)
- 129. INSTALL EFI FUEL PIPE CLAMP (See page 11–1)



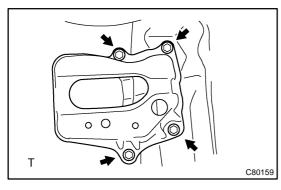
130. INSTALL SUCTION HOSE SUB-ASSY Torque: 9.8 N m (100 kgf cm, 7 ft lbf)



131. INSTALL WIRE HARNESS CLAMP Torque: 10 N·m (102 kgf·cm, 7 ft·lbf)

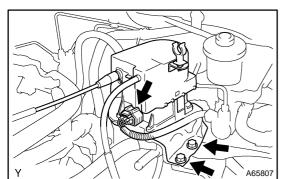
2003 COROLLA MATRIX

218W (RM940U)

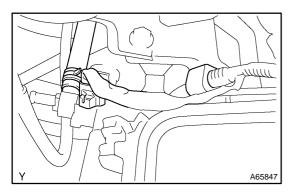


#### **132. INSTALL BATTERY CARRIER**

(a) Install the battery carrier with the 4 bolts.
 Torque: 13 N·m (132 kgf·cm, 10 ft·lbf)

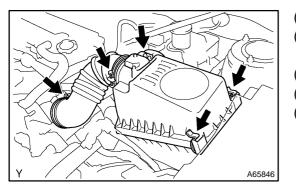


- 133. INSTALL CRUISE CONTROL ACTUATOR ASSY (W/ CRUISE CONTROL)
- (a) Install the actuator with the 2 bolts.
   Torque: 6.0 N·m (61 kgf·cm, 53 in. lbf)
   (b) Operated the actuator second s
- (b) Connect the actuator connector.



## 134. INSTALL AIR CLEANER ASSEMBLY WITH HOSE

- (a) Install the air cleaner case with the 3 bolts.Torque: 7.0 N·m (71 kgf·cm, 62 in.·lbf)
- (b) Connect the wireharness clamp, connector and hose.(c) Install the air filter.



- (d) Connect the air cleaner hose to the throttle body.
- (e) Attach the air cleaner cap to the air cleaner case, and install the 2 clamps.
- (f) Tighten the air cleaner hose clamp.
- (g) Connect the 5 vacuum hoses for the air cleaner cap.
- (h) Connect the MAF meter connector.
- 135. INSTALL CYLINDER HEAD COVER NO.2 Torque: 7.0 N·m (71 kgf·cm, 62 in.·lbf)
- 136. ADD MANUAL TRANSAXLE OIL (M/T TRANSAXLE) (See page 41–17)
- 137. ADD AUTOMATIC TRANSAXLE FLUID (A/T TRANSAXLE)
- 138. ADD ENGINE OIL
- 139. ADD COOLANT (See page 16–6)
- 140. CHECK ENGINE OIL LEAK
- 141. CHECK ENGINE COOLANT LEAK (See page 16-6)
- 142. CHECK FUEL LEAK

143. INSTALL FRONT WHEELS Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)

- 144. CHECK EXHAUST GAS LEAK
- **145. INSPECT CHECK IDLE SPEED AND IGNITION TIMING (See page 14–174)** SST 09843–18040
- 146. INSPECT CO/HC (See page 14–174)
- 147. INSPECT AND ADJUST FRONT WHEEL ALIGNMENT (See page 26-6)
- 148. CHECK ABS SPEED SENSOR SIGNAL (See page 05-316)