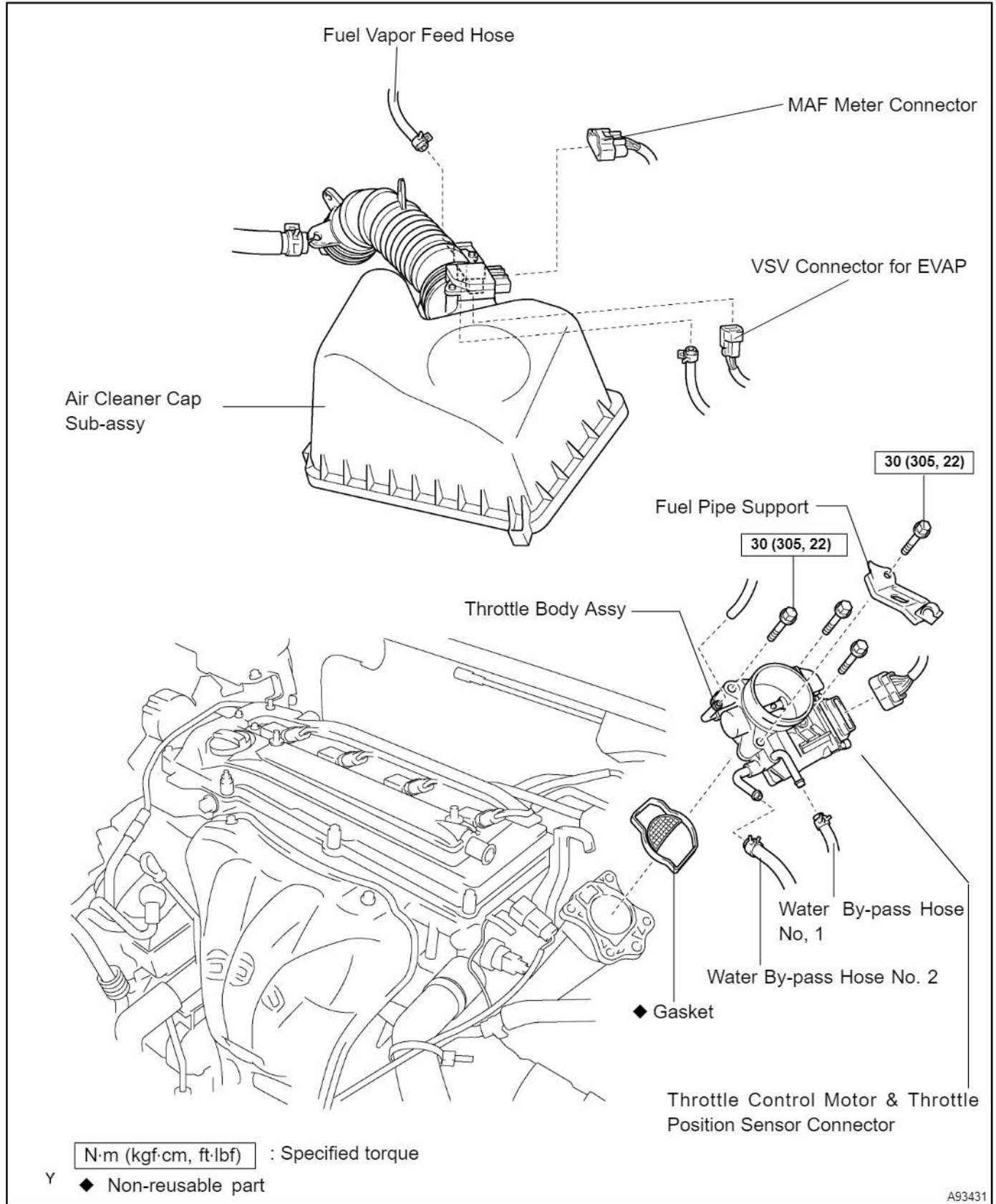


THROTTLE BODY ASSY (2AZ-FE)

COMPONENTS

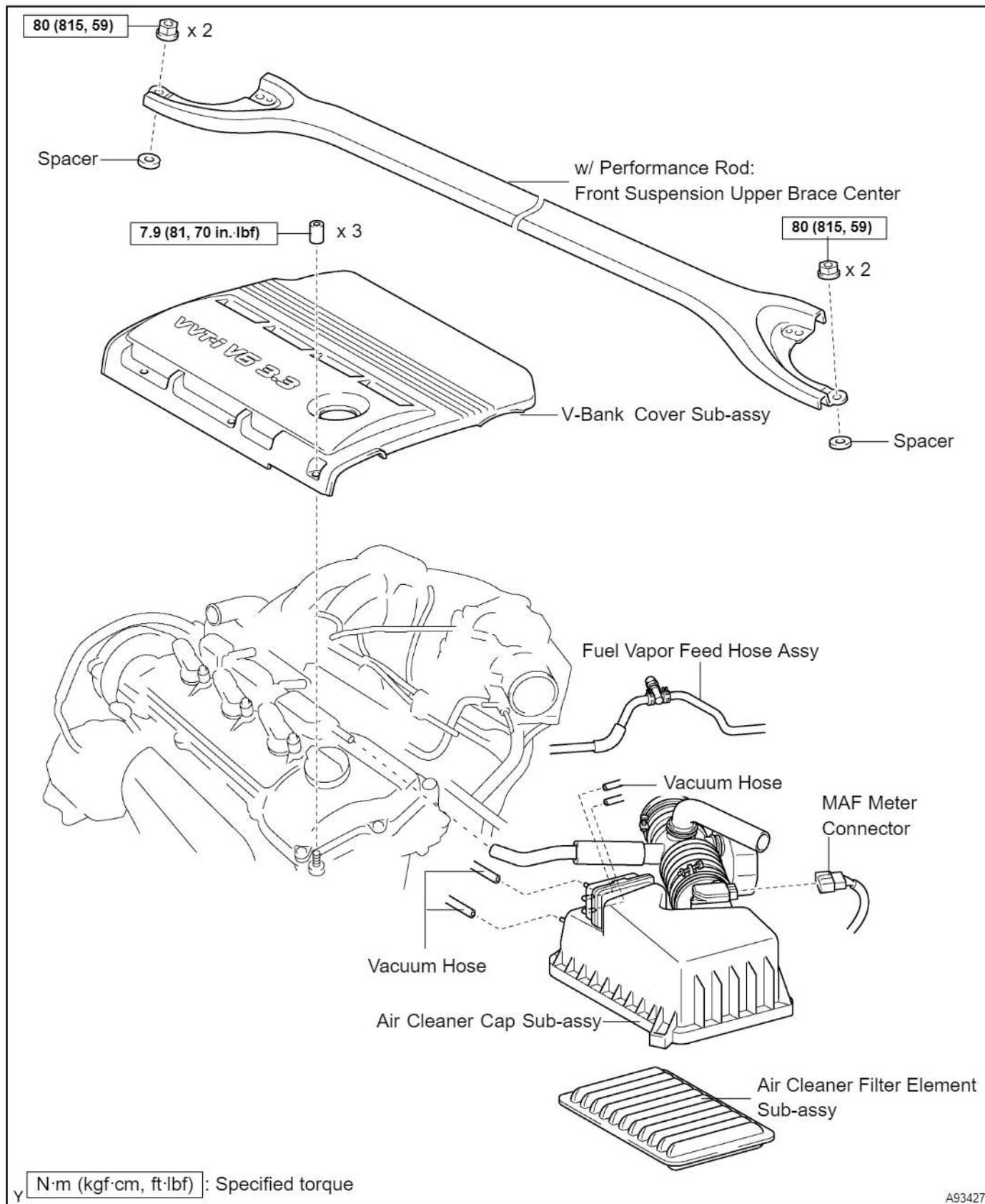
1008A-07



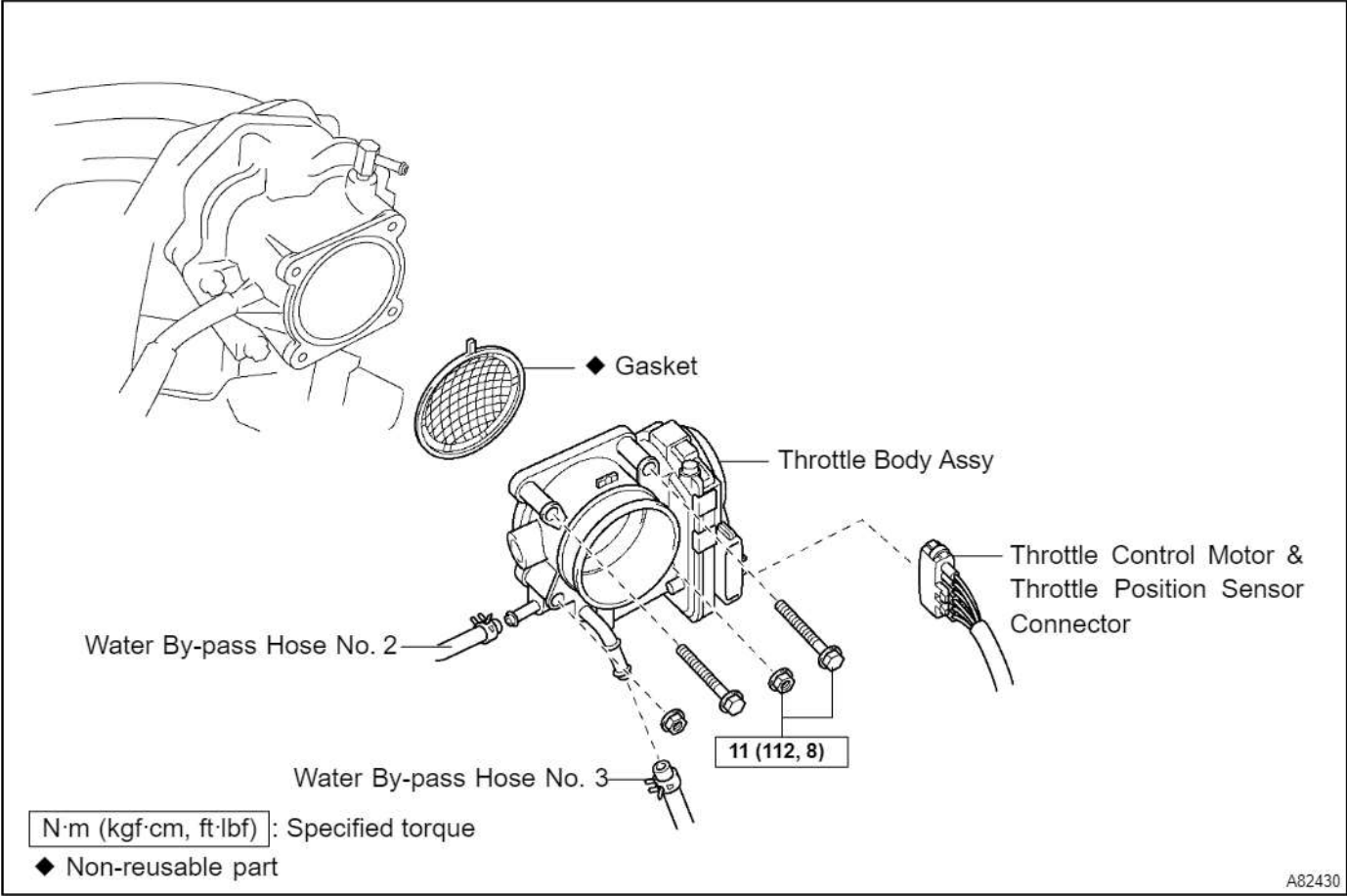
THROTTLE BODY ASSY (3MZ-FE)

COMPONENTS

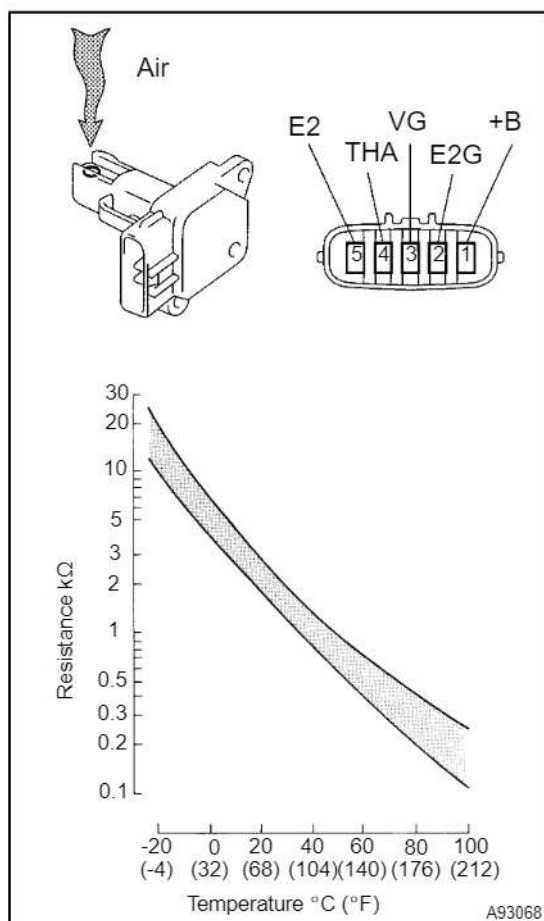
100IU-03



A93427



INSPECTION



1. INSPECT MASS AIR FLOW METER

- Check the output voltage.
 - Apply battery voltage across terminals 1 (+B) and 2 (E2G).
 - Connect the positive (+) tester probe to terminal 3 (VG), and negative (-) tester probe to terminal 2 (E2G).
 - Blow air into the Mass Air Flow (MAF) meter, and check that the voltage fluctuates.
- Measure the resistance between terminals 4 (THA) and 5 (E2).

Standard:

Condition	Specified Condition
-20 °C (-4°F)	13.6 to 18.4 kΩ
20°C (68°F)	2.21 to 2.69 kΩ
60°C (140°F)	0.493 to 0.667 kΩ

If the result is not as specified, replace the MAF meter.

2. INSPECT CAMSHAFT TIMING OIL CONTROL VALVE ASSY

- Measure the resistance between the terminals.

Standard: 6.9 to 7.9 Ω at 20°C (68°F)

If the result is not as specified, replace the OCV assy.

- Connect the battery's positive (+) lead to terminal 1 and negative (-) lead to terminal 2, and check the movement of the valve.

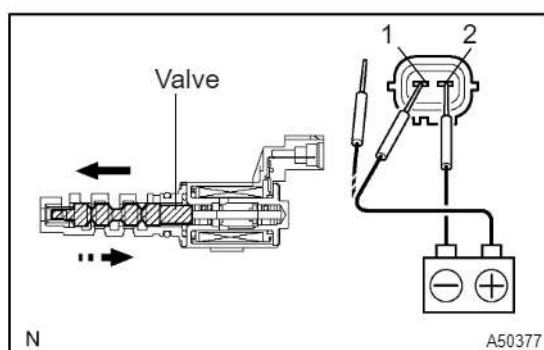
NOTICE:

Confirm that the valve moves freely and does not become stuck in any position.

If necessary, replace the OCV assy.

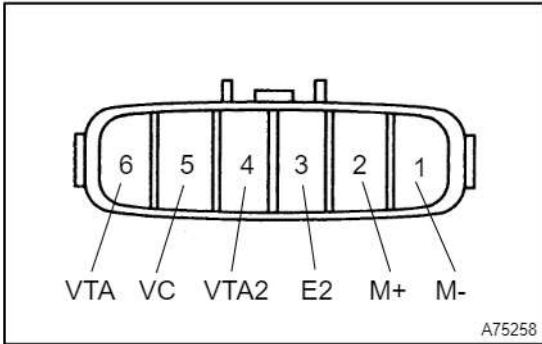
HINT:

If the valve cannot return properly because of foreign matter, a small pressure leak in the advanced direction may occur and a DTC will be output.



3. INSPECT ACCELERATOR PEDAL ROD ASSY

- (a) Check the accelerator pedal position sensor (see page 05-102).

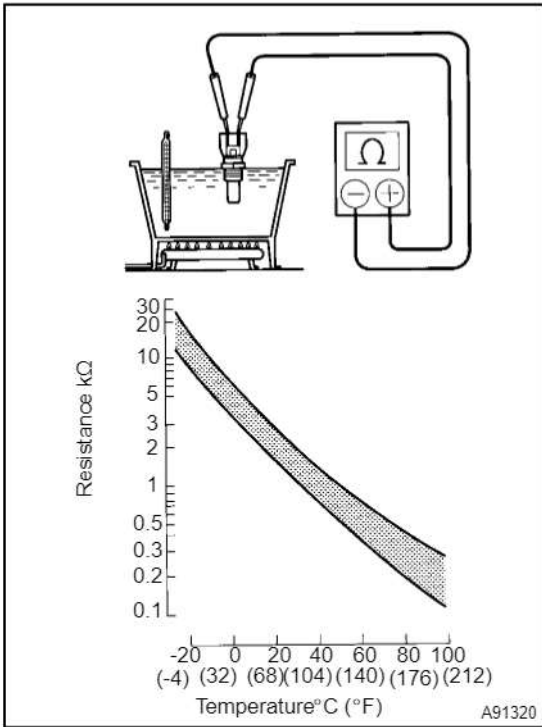


4. INSPECT THROTTLE BODY ASSY

- (a) Check the throttle position sensor (see page 05-469).
 (b) Check the throttle control motor.
 (1) Measure the resistance between terminals 2 (M+) and 1 (M-).

Resistance: 0.3 to 100 Ω at 20°C (68°F)

If the result is not as specified, replace the throttle body assy.



5. INSPECT ENGINE COOLANT TEMPERATURE SENSOR

- (a) Measure the resistance between terminals 1 and 2.

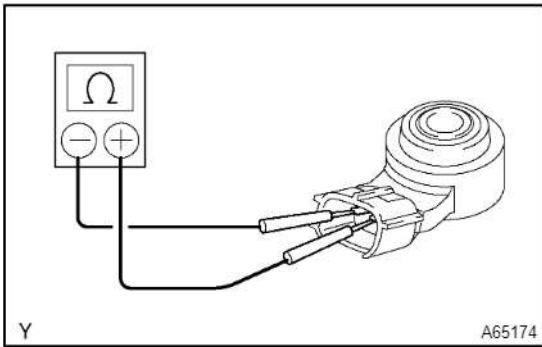
Standard:

Condition	Specified Condition
20°C (68°F)	2.32 to 2.59 k Ω
80°C (176°F)	0.310 to 0.326 k Ω

If the result is not as specified, replace the sensor.

NOTICE:

If checking the ECT sensor in the water, keep the terminals dry. After the check, wipe the sensor dry.

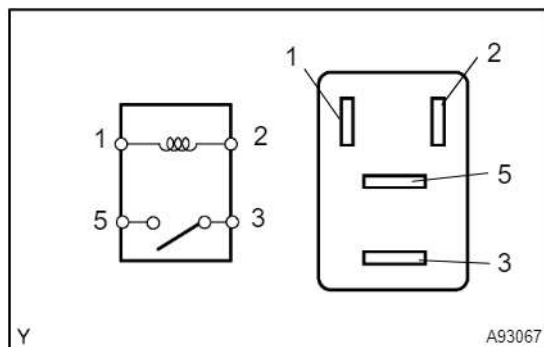


6. INSPECT KNOCK SENSOR

- (a) Measure the resistance between the terminals.

Standard: 120 to 280 k Ω at 20°C (68°F)

If the result is not as specified, replace the sensor.

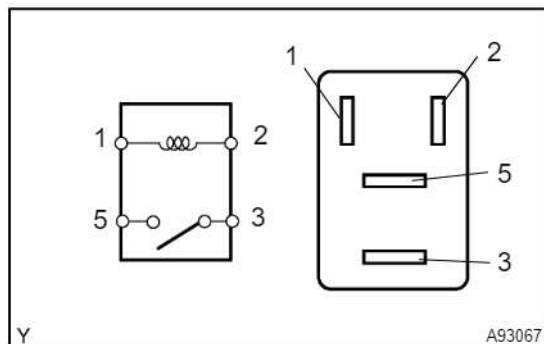
**7. INSPECT RELAY (Marking: EFI, A/F)**

- Remove the EFI relay from the engine room J/B.
- Remove the A/F relay from the engine room R/B No. 2.
- Measure the resistance of the relay.

Standard:

Tester Connection	Specified Condition
3 - 5	10 kΩ or higher
3 - 5	Below 1Ω (when battery voltage is applied to terminals 1 and 2)

If the result is not as specified, replace the relay.

**8. INSPECT CIRCUIT OPENING RELAY**

- Remove the circuit opening relay from the R/B sub-assy
- Measure the resistance of the relay.

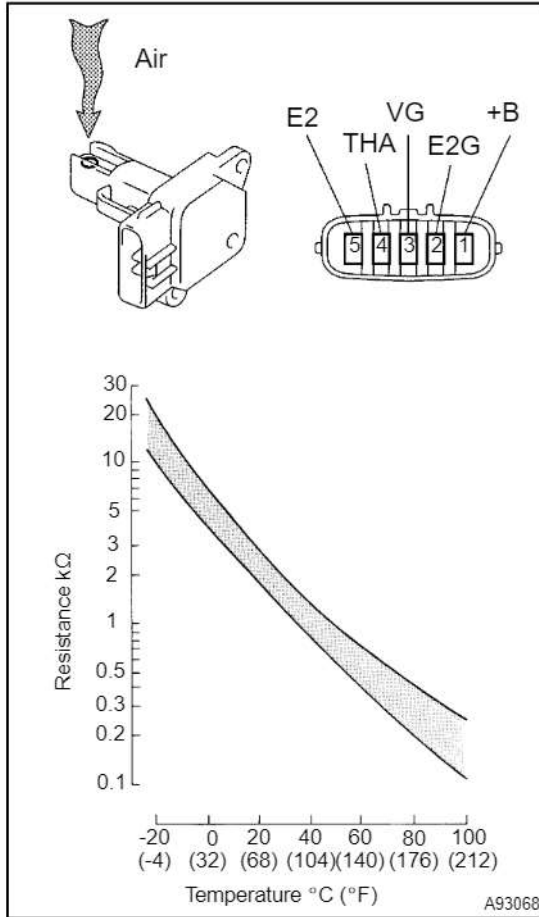
Standard:

Tester Connection	Specified Condition
3 - 5	10 kΩ or higher
3 - 5	Below 1Ω (when battery voltage is applied to terminals 1 and 2)

If the result is not as specified, replace the relay.

INSPECTION

100FT-04



1. INSPECT MASS AIR FLOW METER

- Check the output voltage.
 - Apply battery voltage across terminals 1 (+B) and 2 (E2G).
 - Connect the positive (+) tester probe to terminal VG, and negative (-) tester probe to terminal E2G.
 - Blow air into the Mass Air Flow (MAF) meter, and check that the voltage fluctuates.
- Measure the resistance between terminals 4 (THA) and 5 (E2).

Standard:

Condition	Specified Condition
-20 °C (-4 °F)	13.6 to 18.4 kΩ
20 °C (68 °F)	2.21 to 2.69 kΩ
60 °C (140 °F)	0.493 to 0.667 kΩ

If the result is not as specified, replace the MAF meter.

2. INSPECT CAMSHAFT TIMING OIL CONTROL VALVE ASSY

- Measure the resistance between the terminals.

Standard: 6.9 to 7.9 Ω at 20 °C (68 °F)

If the result is not as specified, replace the OCV assy.

- Connect the battery's positive (+) lead to terminal 1 and negative (-) lead to terminal 2, and check the movement of the valve.

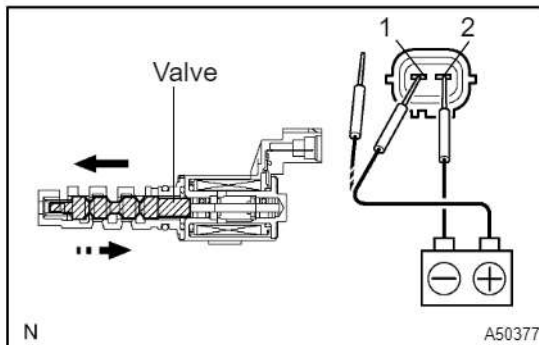
NOTICE:

Confirm that the valve moves freely and does not become stuck in any position.

If necessary, replace the OCV assy.

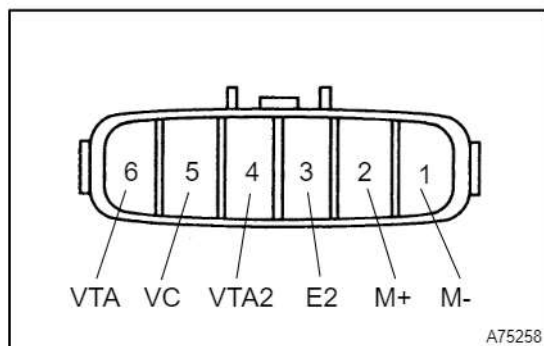
HINT:

If the valve cannot return properly because of foreign matter, a small pressure leak in the advanced direction may occur and a DTC will be output.



3. INSPECT ACCELERATOR PEDAL ROD ASSY

- (a) Check the accelerator pedal position sensor (see page 05-469).

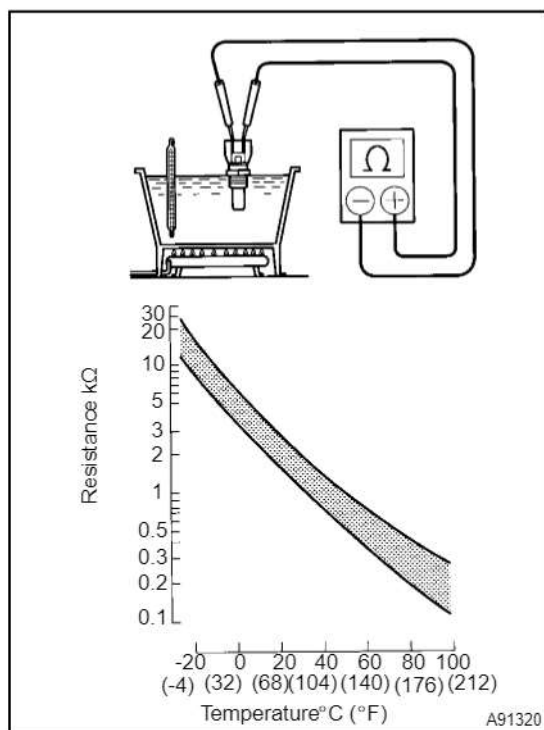


4. INSPECT THROTTLE BODY ASSY

- (a) Check the throttle position sensor (see page 05-469).
 (b) Check the throttle control motor.
 (1) Measure the resistance between terminals 2 (M+) and 1 (M-).

Resistance: 0.3 to 100 Ω at 20°C (68°F).

If the result is not as specified, replace the throttle body assy.



5. INSPECT ENGINE COOLANT TEMPERATURE SENSOR

- (a) Measure the resistance between each terminal.

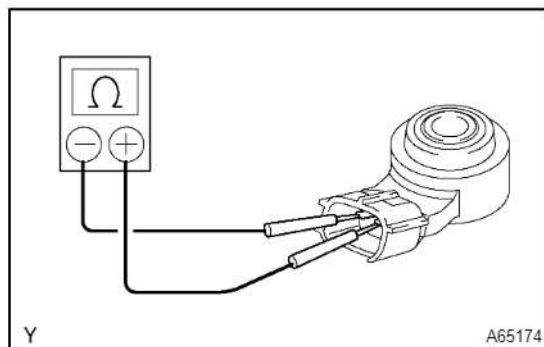
Standard:

Condition	Specified Condition
20°C (68°F)	2.32 to 2.59 k Ω
80°C (176°F)	0.310 to 0.326 k Ω

If the result is not as specified, replace the sensor.

NOTICE:

If checking the ECT sensor in the water, keep the terminals dry. After the check, wipe the sensor dry.

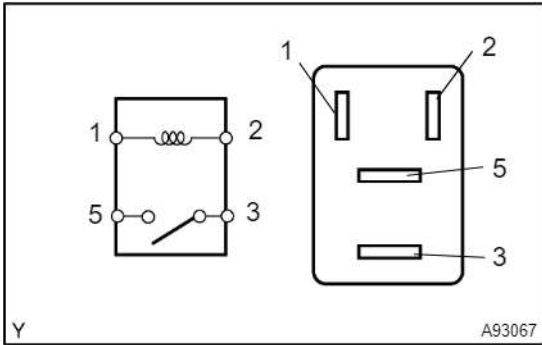


6. INSPECT KNOCK SENSOR

- (a) Measure the resistance between the terminals.

Resistance: 120 to 280 k Ω at 20°C (68°F)

If the result is not as specified, replace the sensor.



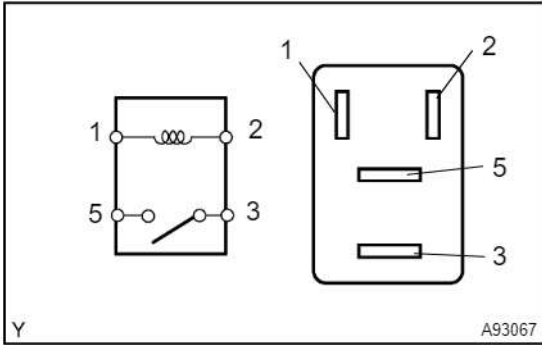
7. INSPECT RELAY (Marking: EFI, A/F)

- (a) Remove the EFI relay from the engine room J/B.
- (b) Remove the A/F relay from the engine room R/B No. 2.
- (c) Measure the resistance of the relay.

Standard:

Tester Connection	Specified Condition
3 - 5	10 kΩ or higher
3 - 5	Below 1Ω (when battery voltage is applied to terminals 1 and 2)

If the result is not as specified, replace the relay.



8. INSPECT CIRCUIT OPENING RELAY

- (a) Remove the circuit opening relay from the R/B sub-assy.
- (b) Measure the resistance of the relay.

Standard:

Tester Connection	Specified Condition
3 - 5	10 kΩ or higher
3 - 5	Below 1Ω (when battery voltage is applied to terminals 1 and 2)

If the result is not as specified, replace the relay.

SFI SYSTEM (2AZ-FE)

1006B-07

ON-VEHICLE INSPECTION

1. CHECK THROTTLE BODY

- (a) Listen to the throttle control motor operating sounds.
 - (1) Turn the ignition switch ON.
 - (2) When pressing the accelerator pedal position sensor lever, listen to the running motor. Make sure no friction noise comes from the motor.

If friction noise exists, replace the throttle body.

- (b) Check the throttle position sensor.
 - (1) Connect the hand-held tester or OBD II scan tool to the DLC3.
 - (2) Turn the ignition switch ON.
 - (3) Check that the check engine warning light does not light up.
 - (4) Under CURRENT DATA, the throttle valve opening percentage (THROTTLE POS) should be within the standard value range below.

Standard throttle valve opening percentage: 60 % or more

If the percentage is less than 60 %, replace the throttle position sensor.

NOTICE:

When checking the standard throttle valve opening percentage, the transmission should be in the neutral position.

2. CHECK ACCELERATOR PEDAL POSITION SENSOR

- (a) Turn the ignition switch ON. Under CURRENT DATA, the voltage of the throttle position sensor should be within the standard value range below.

Standard: 0.6 to 1.0 V

If the result is not as specified, replace the accelerator pedal position sensor.

3. CHECK CAMSHAFT TIMING OIL CONTROL VALVE (OCV) ASSY

- (a) Connect the hand-held tester or OBD II scan tool to the DLC3.
- (b) Turn the ignition switch ON.
- (c) Start the engine and warm it up.
- (d) Select the VVT from the ACTIVE TEST menu.
- (e) Check the engine speed when the OCV is operated by the hand-held tester or OBD II scan tool.

Standard:

Condition	Specified Condition
VVT system is OFF (OCV is OFF)	Normal engine speed
VVT system is ON (OCV is ON)	Rough idle or engine stalled

If the result is not as specified, replace the OCV assy.

SFI SYSTEM (3MZ-FE)

100FS-06

ON-VEHICLE INSPECTION

1. CHECK THROTTLE BODY

- (a) Listen to the throttle control motor operating sounds.
 - (1) Turn the ignition switch ON.
 - (2) When pressing the accelerator pedal position sensor lever, listen to the running motor. Make sure no friction noise comes from the motor.

If friction noise exists, replace the throttle body.

- (b) Inspect the throttle position sensor.
 - (1) Connect the hand-held tester or OBD II scan tool to the DLC3.
 - (2) Turn the ignition switch ON.
 - (3) Check that the MIL is off.
 - (4) Under CURRENT DATA, the throttle valve opening percentage (THROTTLE POS) should be within the standard value range below.

Standard throttle valve opening percentage: 60 % or more

If the percentage is less than 60 %, replace the throttle position sensor.

NOTICE:

When checking the standard throttle valve opening percentage, the transmission should be in the neutral position.

2. CHECK ACCELERATOR PEDAL POSITION SENSOR

- (a) Turn the ignition switch ON. Under CURRENT DATA, the voltage of the throttle position sensor should be within the standard value range below.

Standard: 0.6 to 1.0 V

If the result is not as specified, replace the accelerator pedal position sensor.

3. CHECK CAMSHAFT TIMING OIL CONTROL VALVE (OCV) ASSY

- (a) Connect the hand-held tester or OBD II scan tool to the DLC3.
- (b) Turn the ignition switch ON.
- (c) Start the engine and warm it up.
- (d) Select the VVT from the ACTIVE TEST menu.
- (e) Check the engine speed when the OCV is operated by the hand-held tester or OBD II scan tool.

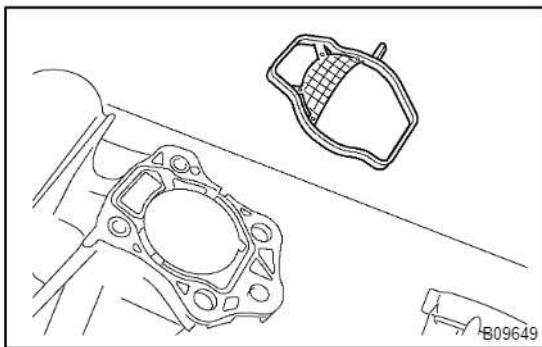
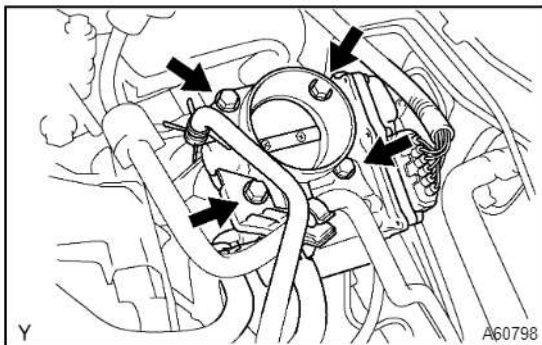
Standard:

Condition	Specified Condition
VVT system is OFF (OCV is OFF)	Normal engine speed
VVT system is ON (OCV is ON)	Rough idle or engine stalled

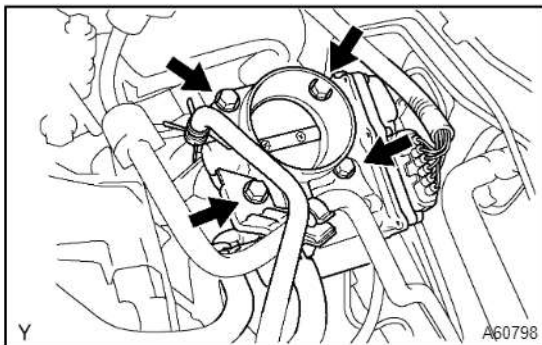
If the result is not as specified, replace the OCV assy.

REPLACEMENT

1. DRAIN ENGINE COOLANT (See page 16-6)
2. REMOVE AIR CLEANER CAP WITH AIR CLEANER HOSE (See page 14-24)
3. REMOVE THROTTLE BODY ASSY
 - (a) Disconnect the throttle control motor & throttle position sensor connector.
 - (b) Disconnect the vacuum hose from the throttle body.
 - (c) Disconnect the 2 water by-pass hoses.
 - (d) Remove the 4 bolts, fuel pipe support and throttle body.
 - (e) Remove the gasket.



4. INSTALL THROTTLE BODY ASSY
 - (a) Install a new gasket to the intake manifold, as shown in the illustration.



- (b) Install the throttle body and fuel pipe support with the 4 bolts.
Torque: 30 N·m (305 kgf·cm, 22 ft·lbf)
- (c) Connect the 2 water by-pass hoses to the throttle body.
- (d) Connect the throttle control motor & throttle position sensor connector.
- (e) Connect the vacuum hose to the throttle body.

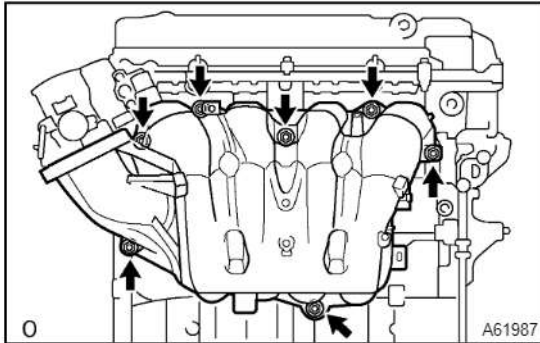
5. INSTALL AIR CLEANER CAP WITH AIR CLEANER HOSE (See page 14-24)
6. ADD ENGINE COOLANT (See page 16-6)
7. CHECK FOR ENGINE COOLANT LEAKS (See page 16-1)

KNOCK SENSOR (2AZ-FE)

REPLACEMENT

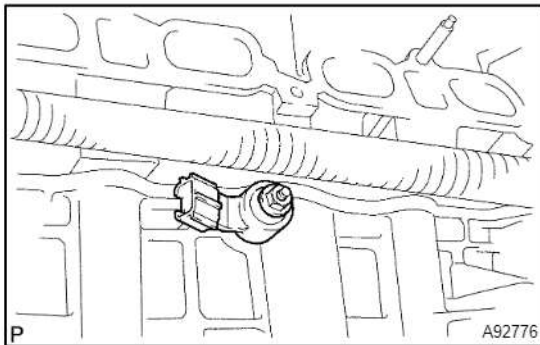
100IP-03

1. DRAIN ENGINE COOLANT (See page 16-6)
2. REMOVE AIR CLEANER CAP WITH AIR CLEANER HOSE (See page 14-24)
3. REMOVE THROTTLE BODY ASSY (See page 10-6)



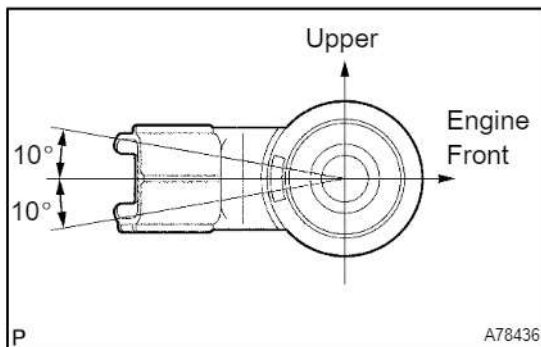
4. REMOVE INTAKE MANIFOLD

- (a) Remove the 5 bolts, 2 nuts, intake manifold and gasket.



5. REMOVE KNOCK SENSOR

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



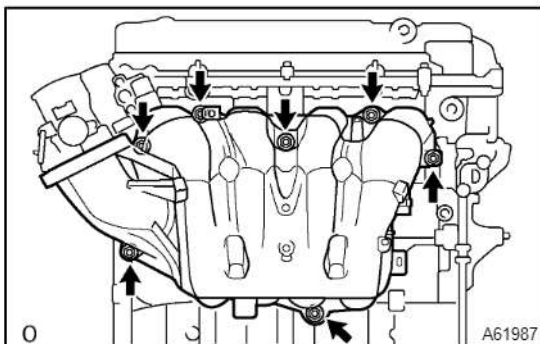
6. INSTALL KNOCK SENSOR

- (a) Install the sensor with the nut.

Torque: 20 N·m (199 kgf·cm, 14 ft·lbf)

HINT: Angling the knock sensor below the horizontal (below 0°) is recommended.

- (b) Connect the sensor connector.



7. INSTALL INTAKE MANIFOLD

- (a) Install a new gasket and the intake manifold with the 5 bolts and 2 nuts.

Torque: 30 N·m (305 kgf·cm, 22 ft·lbf)

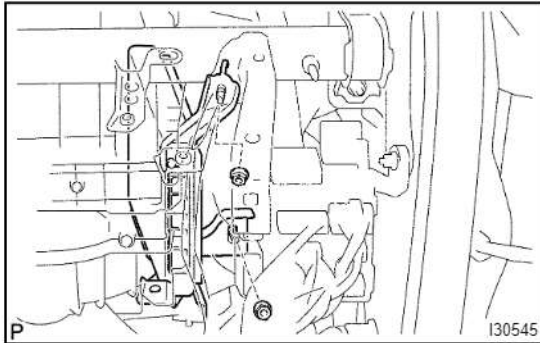
8. INSTALL THROTTLE BODY ASSY (See page [10-6](#))
9. INSTALL AIR CLEANER CAP WITH AIR CLEANER HOSE (See page [14-24](#))
10. ADD ENGINE COOLANT (See page [16-6](#))
11. CHECK FOR ENGINE COOLANT LEAKS (See page [16-1](#))

ECM (2AZ-FE)

REPLACEMENT

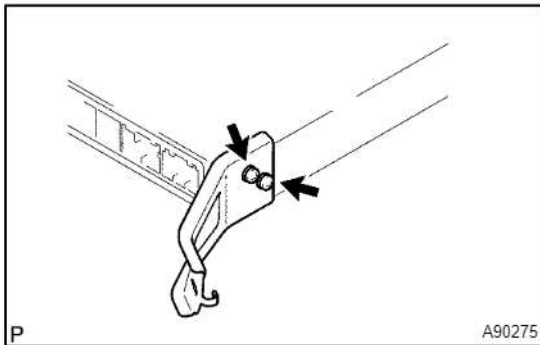
1001Q-02

1. DISCONNECT BATTERY NEGATIVE TERMINAL
2. REMOVE FRONT DOOR SCUFF PLATE RH (See page 71-10)
3. REMOVE COWL SIDE TRIM SUB-ASSY RH (See page 71-10)
4. REMOVE GLOVE COMPARTMENT DOOR ASSY (See page 71-10)
5. REMOVE INSTRUMENT PANEL FINISH PANEL LOWER NO.2 (See page 71-10)



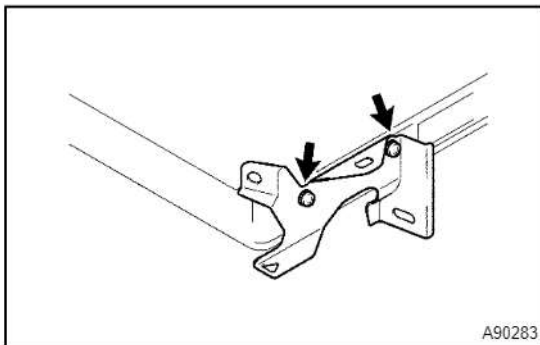
6. REMOVE ECM

- (a) Remove the 2 wire harness clamps.
- (b) Disconnect the 5 ECM connectors.
- (c) Remove the 2 nuts and ECM.



7. REMOVE ECM BRACKET NO. 1

- (a) Remove the 2 screws and ECM bracket.

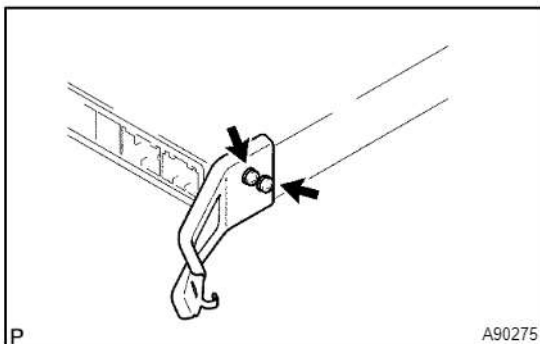


8. REMOVE ECM BRACKET NO. 2

- (a) Remove the 2 screws and ECM bracket.

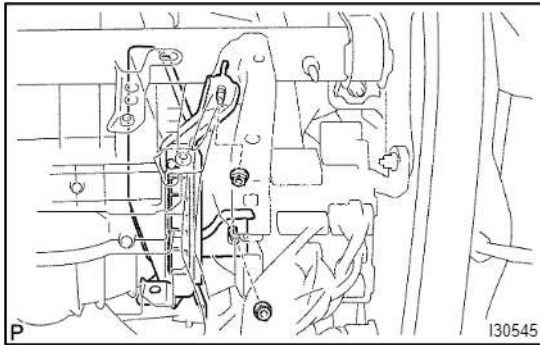
9. INSTALL ECM BRACKET NO. 2

- (a) Install the ECM bracket with the 2 screws.



10. INSTALL ECM BRACKET NO. 1

- (a) Install the ECM bracket with the 2 screws.

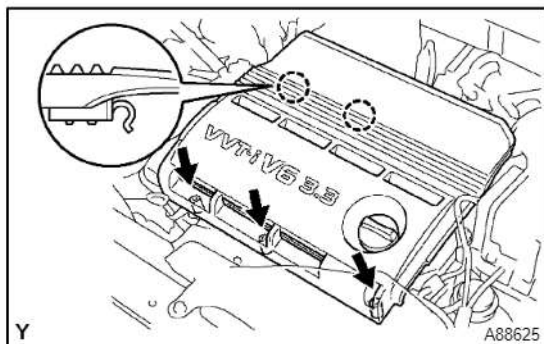
**11. INSTALL ECM**

- (a) Install the 2 wire harness clamps.
 - (b) Connect the 5 ECM connectors.
 - (c) Install the ECM with the 2 nuts.
- Torque: 5.5 N·m (56 kgf·cm, 49 in·lbf)**

- 12. INSTALL INSTRUMENT PANEL FINISH PANEL LOWER NO.2 (See page 71-10)**
- 13. INSTALL GLOVE COMPARTMENT DOOR ASSY (See page 71-10)**
- 14. INSTALL COWL SIDE TRIM SUB-ASSY RH (See page 71-10)**
- 15. INSTALL FRONT DOOR SCUFF PLATE RH (See page 71-10)**
- 16. CONNECT BATTERY NEGATIVE TERMINAL**

REPLACEMENT

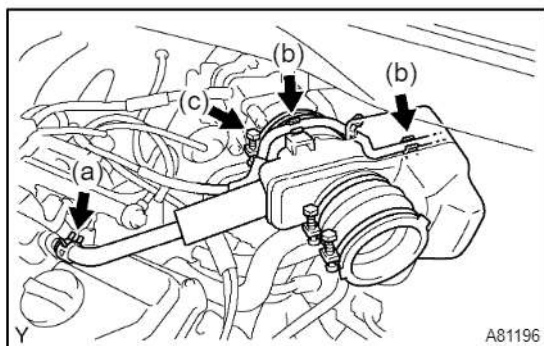
1. DRAIN ENGINE COOLANT (See page 16-26)
2. REMOVE FRONT SUSPENSION BRACE SUB-ASSY UPPER CENTER
 - (a) Remove the 2 nuts and upper brace.



3. REMOVE V-BANK COVER SUB-ASSY

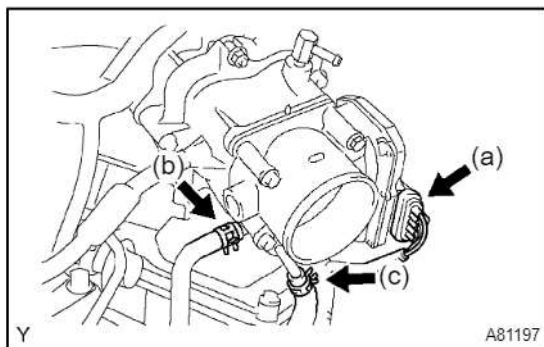
- (a) Using a socket hexagon wrench 5, remove the 3 nuts.
- (b) Remove the V-bank cover.

4. REMOVE AIR CLEANER INLET ASSY (See page 14-149)
5. REMOVE AIR CLEANER ASSY (See page 14-149)



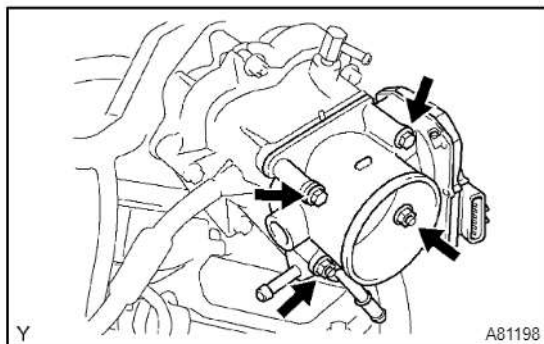
6. REMOVE INTAKE AIR RESONATOR

- (a) Remove the ventilation hose No. 2.
- (b) Remove the fuel vapor feed hose from the 2 hose clamps.
- (c) Loosen the air cleaner hose clamp bolt, and then remove the intake air resonator.



7. REMOVE THROTTLE BODY ASSY

- (a) Disconnect the throttle control motor & throttle position sensor connector.
- (b) Disconnect the water by-pass hose No. 2.
- (c) Disconnect the water by-pass hose No. 3.



- (d) Remove the 2 bolts, 2 nuts and throttle body.
- (e) Remove the gasket.

8. INSTALL THROTTLE BODY ASSY

- (a) Install a new gasket to the intake air connector.
- (b) Install the throttle body with the 2 bolts and 2 nuts.
Torque: 11 N·m (112 kgf·cm, 8 ft·lbf)
- (c) Connect the water by-pass hose No. 3.
- (d) Connect the water by-pass hose No. 2.
- (e) Connect the throttle control motor & throttle position sensor connector.

9. INSTALL INTAKE AIR RESONATOR**10. INSTALL AIR CLEANER ASSY (See page 14-149)****11. INSTALL AIR CLEANER INLET ASSY (See page 14-149)****12. CHECK CONNECTION OF VACUUM HOSE (See page 14-149)****13. ADD ENGINE COOLANT (See page 16-26)****14. CHECK FOR ENGINE COOLANT LEAKS (See page 16-20)****15. INSTALL V-BANK COVER SUB-ASSY**

- (a) Fit the 2 retainers and install the V-bank cover.
- (b) Using a socket hexagon wrench 5, tighten the 3 nuts.

Torque: 7.9 N·m (81 kgf·cm, 70 in·lbf)

16. INSTALL FRONT SUSPENSION BRACE SUB-ASSY UPPER CENTER

- (a) Install the upper brace with the 2 nuts.

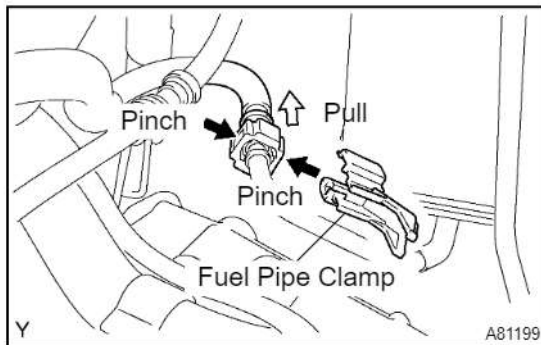
Torque: 80 N·m (815 kgf·cm, 59 ft·lbf)

KNOCK SENSOR (3MZ-FE)

100FX-03

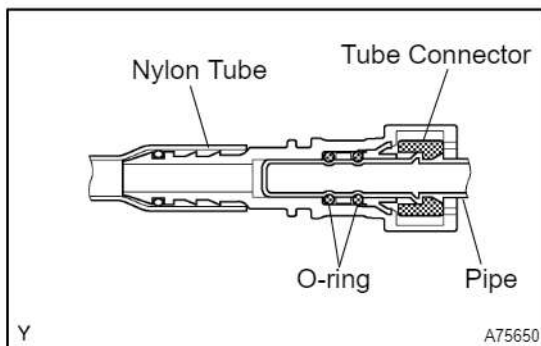
REPLACEMENT

1. DISCHARGE FUEL SYSTEM PRESSURE (See page 11-35)
2. DRAIN ENGINE COOLANT (See page 16-26)
3. REMOVE V-BANK COVER SUB-ASSY (See page 14-149)
4. REMOVE AIR CLEANER CAP SUB-ASSY (See page 14-149)
5. REMOVE EMISSION CONTROL VALVE SET (See page 14-149)
6. REMOVE INTAKE AIR SURGE TANK (See page 14-149)



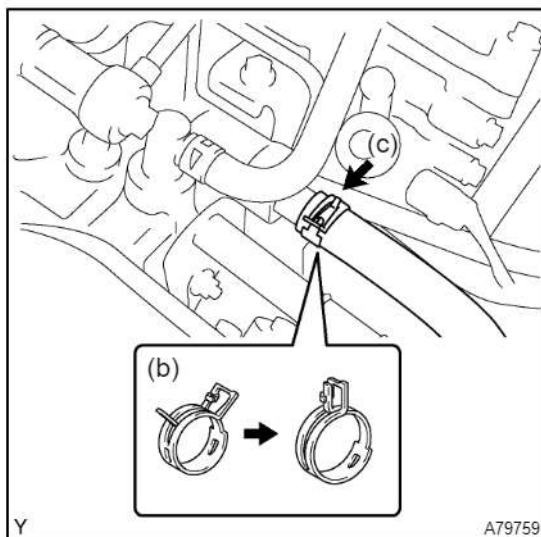
7. REMOVE INTAKE MANIFOLD

- (a) Disconnect the fuel pipe No. 1.
 - (1) Remove the fuel pipe clamp.
 - (2) Pinch the tube connector and pull out the fuel pipe No. 1.

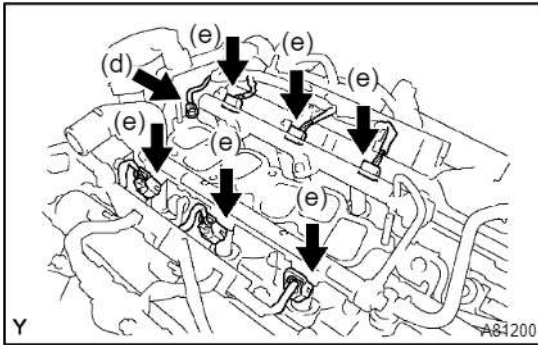


NOTICE:

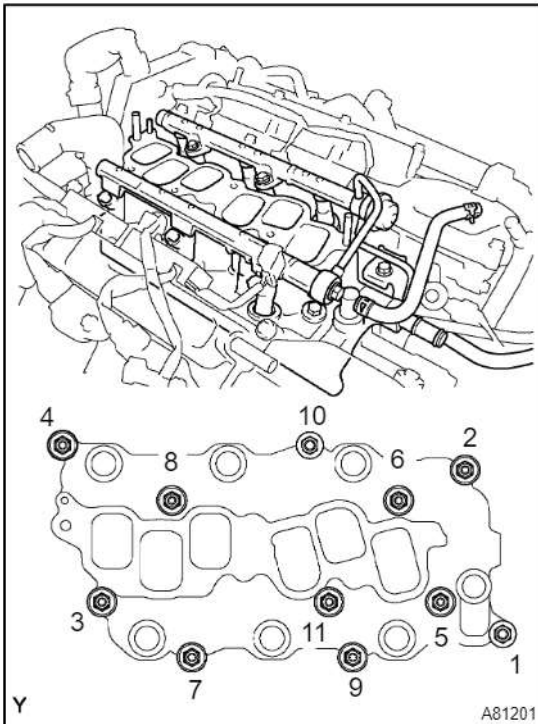
- Check the connector for dirt, mud or other contamination. Clean if necessary.
- Be sure to keep the tube connector, pipe and O-ring clean. They can become contaminated easily.
- Do not use tools when disconnecting the fuel pipe.
- Do not bend or twist the nylon tube. Protect the connector by covering it with a vinyl or plastic bag.
- When the pipe and the connector are stuck, push and pull the connector to release it. Then pull the connector out carefully.



- (b) Lock the hose clamp, as shown in the illustration.
- (c) Disconnect the heater inlet water hose.



- (d) Remove the nut and disconnect the ground cable.
- (e) Disconnect the 6 fuel injector connectors.

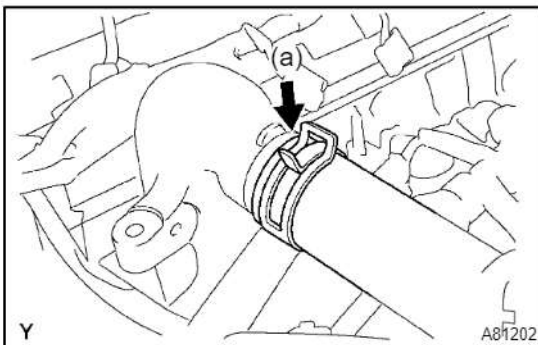


- (f) Loosen and remove the intake manifold's 9 bolts and 2 nuts little by little in the numerical order shown in the illustration.
- (g) Remove the intake manifold.

NOTICE:

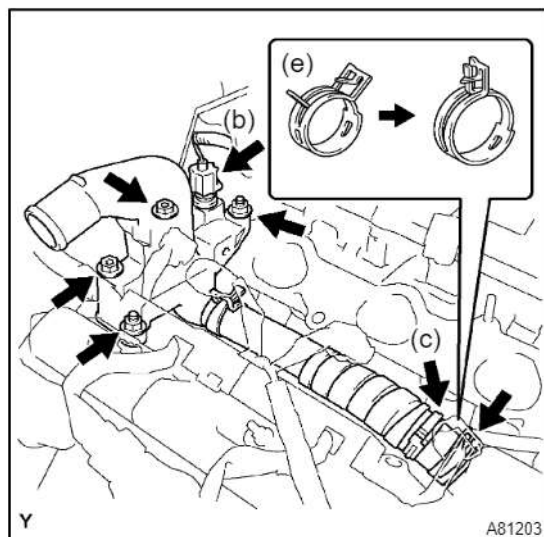
Fully removing each bolt and nut one by one may damage the intake manifold, bolts and nuts.

8. REMOVE ENGINE MOVING CONTROL ROD (See page [14-149](#))

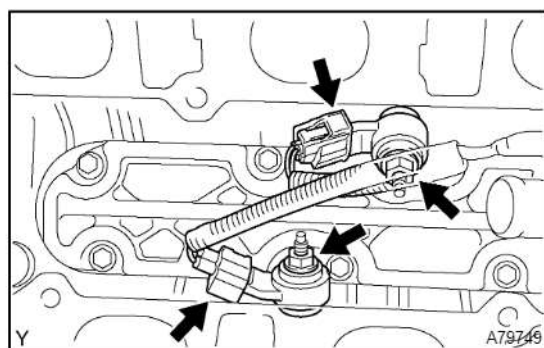


9. REMOVE WATER OUTLET

- (a) Disconnect the radiator hose inlet.

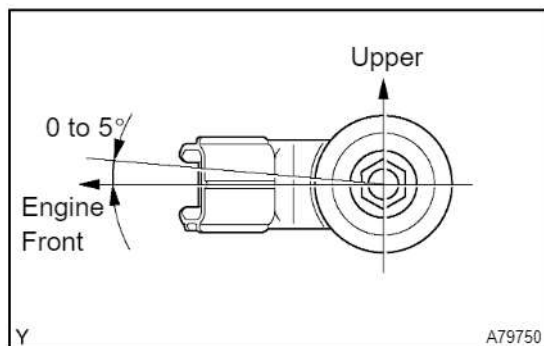


- (b) Disconnect the ECT sensor connector.
- (c) Remove the clamp.
- (d) Remove the 2 bolts, 2 nuts and 2 washers.
- (e) Lock the hose clamp as shown in the illustration. Then remove the water outlet together with the water by-pass hose No. 1.
- (f) Remove the 2 gaskets from the 2 cylinder heads.



10. REMOVE KNOCK SENSOR

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



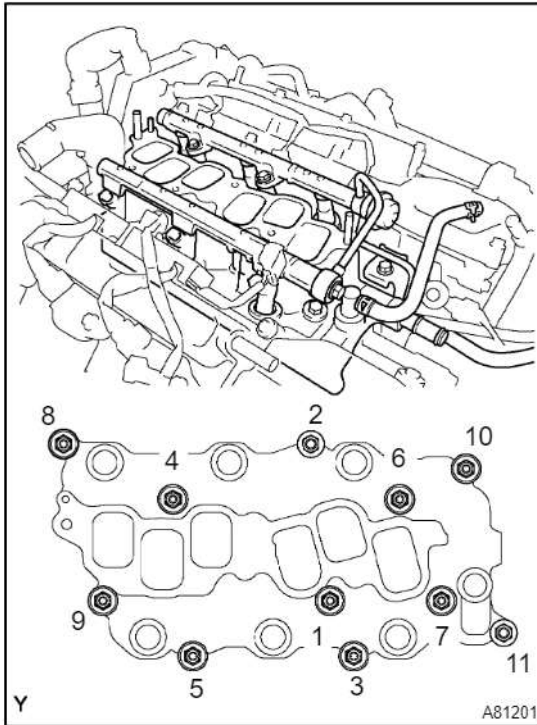
11. INSTALL KNOCK SENSOR

- (a) Install the 2 sensors with the 2 nuts, as shown in the illustration.
Torque: 20 N·m (199 kgf·cm, 14 ft·lbf)
- (b) Connect the 2 sensor connectors.

12. INSTALL WATER OUTLET

- (a) Install 2 new gaskets to the 2 cylinder heads.
- (b) Install the water outlet together with the water by-pass hose No. 1 and unlock the hose clamp.
- (c) Tighten the 2 bolts, 2 nuts and 2 washers.
Torque: 15 N·m (153 kgf·cm, 11 ft·lbf)
- (d) Install the clamp.
- (e) Connect the ECT sensor connector.
- (f) Connect the radiator hose inlet.

13. INSTALL ENGINE MOVING CONTROL ROD (See page 14-149)



14. INSTALL INTAKE MANIFOLD

- (a) Tighten the intake manifold's 9 bolts and 2 nuts little by little in the numerical order shown in the illustration.

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

NOTICE:

In this case, fully tightening one of these bolts or nuts without partially tightening the other bolts or nuts in the group may damage the intake manifold, bolts and nuts.

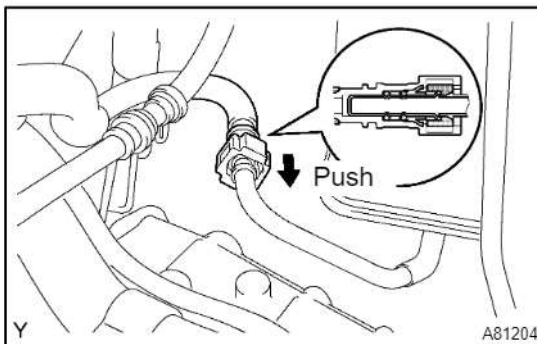
- (b) Retighten the water outlet mounting bolts and nuts.

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

- (c) Install the ground cable with the nut.

Torque: 8.4 N·m (86 kgf·cm, 74 in·lbf)

- (d) Connect the heater inlet water hose.



- (e) Connect the fuel pipe No. 1.

- (1) Push the quick connector into the pipe until it makes "click" sound.

NOTICE:

- Check if there is any damage or contamination on the connected part.
 - After connecting, confirm that the connector and pipe are securely connected by trying to pull them apart.
- (2) Install the fuel pipe clamp.

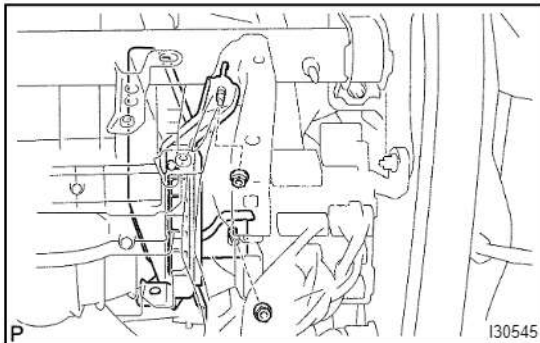
15. INSTALL INTAKE AIR SURGE TANK (See page 14-149)
16. INSTALL EMISSION CONTROL VALVE SET (See page 14-149)
17. INSTALL AIR CLEANER CAP SUB-ASSY (See page 14-149)
18. CHECK CONNECTION OF VACUUM HOSE (See page 14-149)
19. ADD ENGINE COOLANT (See page 16-26)
20. CHECK FOR ENGINE COOLANT LEAKS (See page 16-20)
21. CHECK FOR FUEL LEAKS
22. INSTALL V-BANK COVER SUB-ASSY (See page 14-149)

ECM (3MZ-FE)

REPLACEMENT

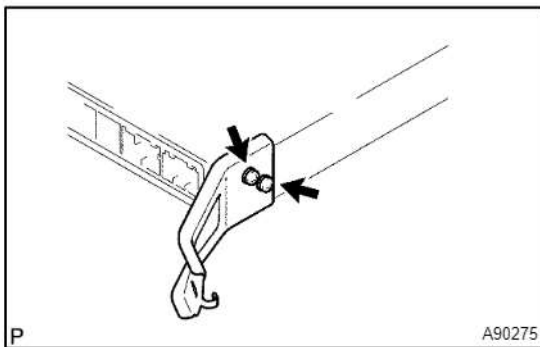
100RW-02

1. DISCONNECT BATTERY NEGATIVE TERMINAL
2. REMOVE FRONT DOOR SCUFF PLATE RH (See page 71-10)
3. REMOVE COWL SIDE TRIM SUB-ASSY RH (See page 71-10)
4. REMOVE GLOVE COMPARTMENT DOOR ASSY (See page 71-10)
5. REMOVE INSTRUMENT PANEL FINISH PANEL LOWER NO.2 (See page 71-10)



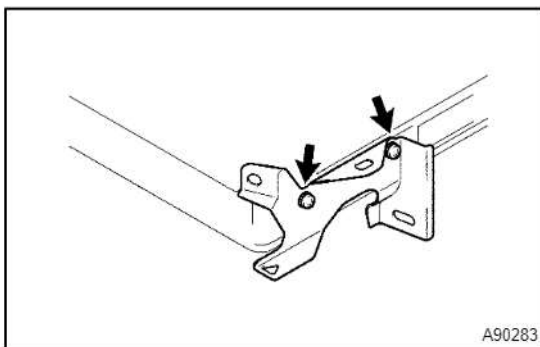
6. REMOVE ECM

- (a) Remove the 2 wire harness clamps.
- (b) Disconnect the 5 ECM connectors.
- (c) Remove the 2 nuts and ECM.



7. REMOVE ECM BRACKET NO. 1

- (a) Remove the 2 screws and ECM bracket.

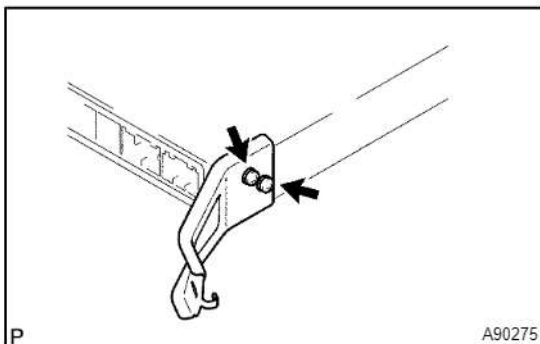


8. REMOVE ECM BRACKET NO. 2

- (a) Remove the 2 screws and ECM bracket.

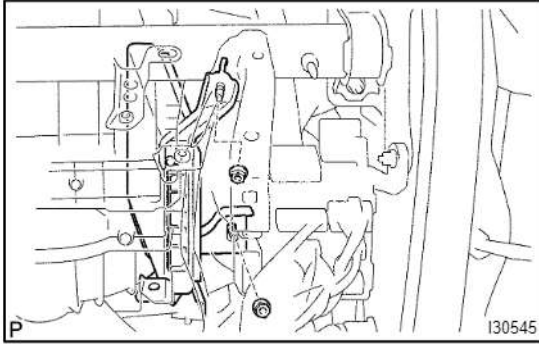
9. INSTALL ECM BRACKET NO. 2

- (a) Install the ECM bracket with the 2 screws.



10. INSTALL ECM BRACKET NO. 1

- (a) Install the ECM bracket with the 2 screws.

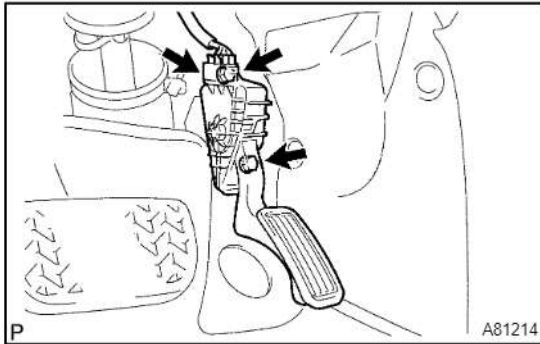
**11. INSTALL ECM**

- (a) Install the 2 wire harness clamps.
 - (b) Connect the 5 ECM connectors.
 - (c) Install the ECM with the 2 nuts.
- Torque: 5.5 N·m (56 kgf·cm, 49 in·lbf)**

- 12. **INSTALL INSTRUMENT PANEL FINISH PANEL LOWER NO.2** (See page [71-10](#))
- 13. **INSTALL GLOVE COMPARTMENT DOOR ASSY** (See page [71-10](#))
- 14. **INSTALL COWL SIDE TRIM SUB-ASSY RH** (See page [71-10](#))
- 15. **INSTALL FRONT DOOR SCUFF PLATE RH** (See page [71-10](#))
- 16. **CONNECT BATTERY NEGATIVE TERMINAL**

ACCELERATOR PEDAL ROD ASSY (3MZ-FE) REPLACEMENT

100MJ-01



1. REMOVE ACCELERATOR PEDAL ROD ASSY

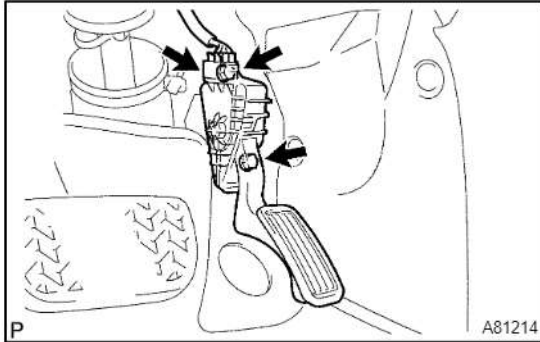
- (a) Disconnect the accelerator pedal position sensor connector.
- (b) Remove the 2 bolts and pedal rod.

2. INSTALL ACCELERATOR PEDAL ROD ASSY

- (a) Install the pedal rod with the 2 bolts.
Torque: 4.9 N·m (50 kgf·cm, 43 in·lbf)
- (b) Connect the accelerator pedal position sensor connector.

ACCELERATOR PEDAL ROD ASSY (2AZ-FE) REPLACEMENT

100MR-01



1. REMOVE ACCELERATOR PEDAL ROD ASSY

- (a) Disconnect the accelerator pedal position sensor connector.
- (b) Remove the 2 bolts and pedal rod.

2. INSTALL ACCELERATOR PEDAL ROD ASSY

- (a) Install the pedal rod with the 2 bolts.
Torque: 4.9 N·m (50 kgf·cm, 43 in·lbf)
- (b) Connect the accelerator pedal position sensor connector.