

# ECM

## REPLACEMENT

100LQ-02

### NOTICE:

- Wipe water off of the ECM cover and edges.
- Replacement of the ECM should be performed indoors, away from rain.
- No water should come in contact with the inside of the ECM. Connectors and screws should also be kept away from water.

### 1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

### CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (–) battery terminal to prevent airbag and seat belt pretensioner activation.

### 2. REMOVE ENGINE ROOM SIDE COVER

- (a) Remove the 3 clips and engine room side cover.

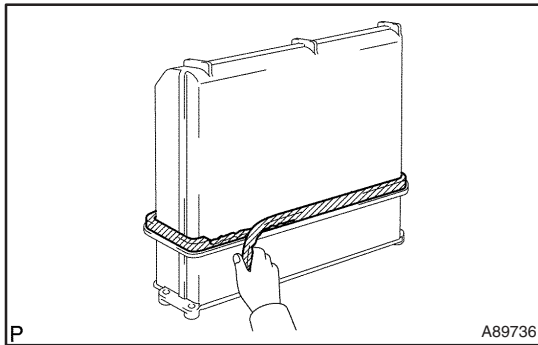
### 3. REMOVE ECM COVER

- (a) Remove the 3 bolts and ECM cover.

### 4. REMOVE ECM

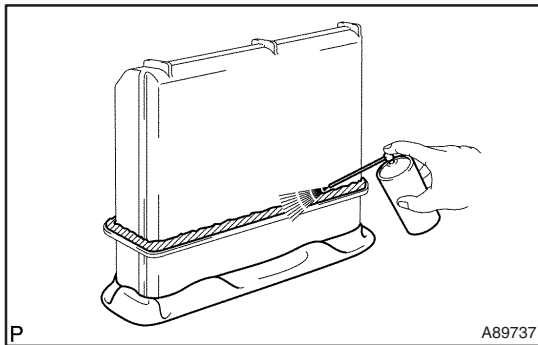
- (a) Remove the 2 nuts.  
(b) Disconnect the connector and remove the ECM.

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### 5. REMOVE ECM GASKET

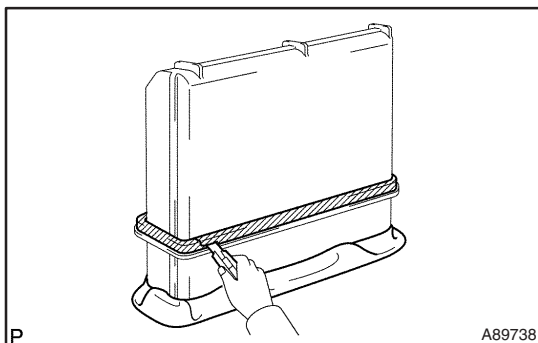
- (a) Peel off the sponge part of the gasket.



- (b) Spray gasket remover or equivalent on the remaining tape of the gasket.

### NOTICE:

When using gasket remover or equivalent, cover the ECM connector with waste cloth, etc.



- (c) Using a cutter knife, remove the tape of the gasket.

### NOTICE:

Do not damage the ECM seal's surface with the knife.

**6. INSTALL ECM GASKET**

- (a) Clean the ECM seal's surface to the gasket with non-residue solvent.
- (b) Attach the gasket on the ECM.

**7. INSTALL ECM****NOTICE:**

- **After replacing the ECM, it is necessary to initialize the ECM.**
- **Check that no foreign objects are stuck inside the ECM box.**

- (a) Connect the connector and install the ECM with the 2 nuts.  
**Torque: 5.5 N·m (56 kgf·cm, 49 in·lbf)**

**8. INSTALL ECM COVER**

- (a) Install the ECM cover with the 3 bolts.  
**Torque: 5.0 N·m (51 kgf·cm, 44 in·lbf)**

**10****9. INSTALL ENGINE ROOM SIDE COVER**

- (a) Install the engine room side cover with the 3 clips.

**10. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**

- 11. w/ Dynamic radar cruise control system:**  
**CONFIGURE ECM**

**NOTICE:**

**When replacing the ECM of vehicles with the optional dynamic radar cruise control system, it is necessary to configure the ECM for this system.**

- (a) Be sure to perform the following procedures after replacing the ECM.
  - (1) Turn the ignition switch ON.
  - (2) Turn the cruise main switch ON.
  - (3) With the brake pedal depressed, set the cruise control main switch to RES/ACC 3 times within 3 seconds. Check that the VSC buzzer sounds at this time.
  - (4) Turn the ignition switch OFF.
  - (5) Connect the intelligent tester II to the DLC3.
  - (6) Turn the ignition switch ON and push the intelligent tester II main switch ON.
  - (7) Select the item "L/C Option Flag" in the Data List.
  - (8) Check that YES is displayed.

**12. PERFORM INITIALIZATION (See page 01-19)****NOTICE:**

**Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (–) battery terminal.**