Introduction
Whenever an automatic transmission is replaced, overhauled or individual components are replaced, use this procedure to clear Engine Control Module (ECM, SAE term: Powertrain Control Module, PCM) “Learned Values” to prevent subsequent driveability complaints.

**CAUTION:**
Failure to follow the procedure below may lengthen the time to readjust the ECM “Learned Values,” potentially resulting in driveability complaints.

Applicable Vehicles
Refer to **Reset Procedure 1** for the following vehicles with Electronically Controlled Automatic Transmissions:
- 2003 model year Matrix vehicles.
- 2004 model year Sienna vehicles.

Refer to **Reset Procedure 2** for the following vehicles with Electronically Controlled Automatic Transmissions:
- 2000 model year Highlander and RAV4 vehicles.

Warranty Information

<table>
<thead>
<tr>
<th>OP CODE</th>
<th>DESCRIPTION</th>
<th>TIME</th>
<th>OFP</th>
<th>T1</th>
<th>T2</th>
</tr>
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<tbody>
<tr>
<td>N/A</td>
<td>Not Applicable to Warranty</td>
<td>–</td>
<td>–</td>
<td>–</td>
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</table>
**ECM RESET MEMORY FUNCTION** – TC002-03 Revised

**Required SSTs**

<table>
<thead>
<tr>
<th>SPECIAL SERVICE TOOLS (SSTs)</th>
<th>PART NUMBER</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toyota Diagnostic Tester Kit*</td>
<td>01001271</td>
<td>1</td>
</tr>
<tr>
<td>12 Megabyte Diagnostic Tester Program Card with version 10.0a Software (or later)*</td>
<td>01002593-005</td>
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</table>

* Essential SSTs.

**NOTE:**
Additional Diagnostic Tester Kits, Program Cards or SSTs may be ordered by calling SPX/OTC at 1-800-933-8335.

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**Reset Procedure 1**

1. Connect the Toyota Diagnostic Tester to the vehicle.
2. Reset the ECM (PCM). Refer to the procedures below.

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**A**

- *APPLICATION SELECT*
  - 1: DIAGNOSIS
  - 2: CUSTOMIZE
  - 3: ECU REPROGRAM

**B**

- FUNCTION SELECT FOR NORTH AMERICA
  - 1: OBD/MOBD
  - 2: ENHANCED OBD II
  - 3: CARB OBD II
  - 4: BREAK-OUT BOX
  - 5: NVH
  - 6: AUTO PROBE
  - 7: 02 RPM CHECK
  - 8: SNAPSHOT REVIEW
  - 9: SETUP
  - 0: GAS ANALYSIS

**C**

- DIAGNOSTIC MENU
  - 1: DATA LIST
  - 2: DTC INFO
  - 3: ACTIVE TEST
  - 4: SNAPSHOT
  - 5: SYSTEM CHECK
  - 6: RESET MEMORY
  - 7: MONITOR STATUS
  - 8: CHECK MODE

**D**

- RESET MEMORY NOTICE
  - DO NOT USE THIS FUNCTION UNLESS INSTRUCTED BY REPAIR MANUAL.
  - ONLY USE AFTER REPLACING THE ENGINE, AUTO TRANS, OR ECM ON CERTAIN VEHICLES.

**E**

- RESET MEMORY EXECUTING THIS FUNCTION WILL RESET THE LEARNED VALUES IN THE ECM.
  - DO YOU WISH TO RESET THE ECM? [YES] to CONTINUE [NO] to EXIT

**F**

- RESET MEMORY
  - RESETTING COMPLETE

3. Start the engine and warm it up to normal operating temperatures before test-driving.
4. Perform a thorough test drive with several accelerations from a stop with “light throttle” application until proper transmission shifting is verified.
Reset Procedure 2

1. Record radio station presets and No. 1 driver’s seat memory position.

2. Disconnect the negative battery cable for 5 minutes.

**NOTE:**
Record presets before disconnecting battery cable.

3. Reconnect battery cable and reset radio presets and No. 1 driving position seat memory.

4. If necessary, perform the following operations:
   - Initialize moon roof
   - Initialize power windows
   - Calibrate compass

   For more detailed information on performing these operations, refer to TIS for the applicable TSB and/or repair procedures.

5. Start the engine and warm it up to normal operating temperatures before test-driving.

6. Perform a thorough test drive with several accelerations from a stop with “light throttle” application until proper transmission shifting is verified.