



## Technical Service BULLETIN

June 10, 2003

Title:

### ECM RESET MEMORY FUNCTION

Models:

'00 - '03 All Models & '04 Sienna

REVISED

TC002-03

TRANSMISSION & CLUTCH

#### TSB REVISION NOTICE:

- **January 16, 2004:** Tundra vehicles were added to the Applicable Vehicles chart.
- **December 17, 2003:** T-100 vehicles were removed from the Applicable Vehicles chart. Previous versions of this TSB should be discarded.

**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:

- **2000 - 2003** model year **ECHO** and **Celica** vehicles.
- **2001 - 2003** model year **Highlander** and **RAV4** vehicles.
- **2002 - 2003** model year **Camry** vehicles.
- **2002 - 2003** model year **Solara** vehicles **with 2AZ engine**.
- **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.
- **2000 - 2001** model year **Camry** vehicles.
- **2000 - 2001** model year **Solara** vehicles **with 5S engine**.
- **2000 - 2003** model year **Solara** vehicles **with 1MZ engine**.
- **2000 - 2003** model year **4Runner, Avalon, Corolla, Land Cruiser** and **Sienna** vehicles.
- **2000 - 2003** model year **Tacoma** and **Tacoma Pre-Runner** vehicles.
- **2000 - 2003** model year **Tundra** vehicles.
- **2001 - 2003** model year **Sequoia** vehicles.



#### Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
N/A	Not Applicable to Warranty	—	—	—	—



Toyota Supports ASE Certification

**Required  
SSTs**

SPECIAL SERVICE TOOLS (SSTs)		PART NUMBER	QUANTITY
Toyota Diagnostic Tester Kit*		01001271	1
12 Megabyte Diagnostic Tester Program Card with version 10.0a Software (or later)*		01002593-005	1

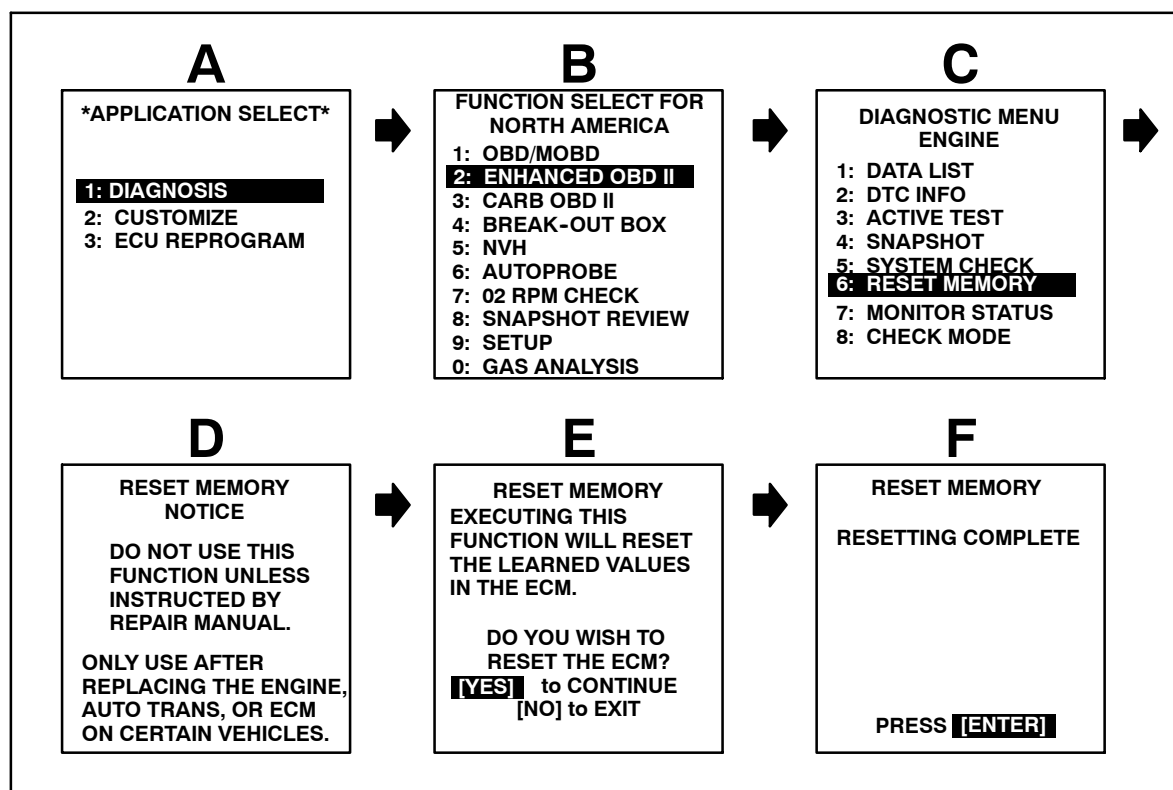
\* Essential SSTs.

**NOTE:**

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

**Reset  
Procedure 1**

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



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.