

**TSB REVISION NOTICE:**

- **June 3, 2005:** Content has been updated to include 2004 and 2006 model year vehicles. Highlander HV has been added to step 4 of the VIN Write Procedure (page 2). Step 3 of the VIN Read Procedure (page 3) has been clarified to include Prius and Highlander HV vehicles.
- **January 24, 2005:** Step 4 on page 2 has been clarified to include Prius vehicles. Previous versions of this TSB should be discarded.

**Introduction** All 2005 and subsequent model year Toyota and Scion vehicles have the VIN (Vehicle Identification Number) stored in the Electronic Control Module (ECM) (SAE term: Powertrain Control Module/PCM) non-volatile memory. The VIN is accessible on the data stream using the Toyota Diagnostic Tester and can also be written to a new ECM (PCM) using a "VIN Read/Write" utility.

Service ECMs (supply parts) are shipped without the VIN; therefore, as part of the ECM (PCM) replacement procedure, the VIN must be written to the replacement ECM (PCM) using the Diagnostic Tester utility function.

For most 2005 model year vehicles, failure to write the VIN to the ECM (PCM) will result in a M.I.L. "ON" condition and set DTC P0630: VIN Not Programmed or Mismatch – ECM (PCM). The five models listed below do not support DTC P0630.

- Corolla
- ECHO
- Matrix
- Scion xA
- Scion xB

It is very important to remember to enter the VIN on these vehicles. Vehicles with missing VINs are subject to failing some state and local vehicle emissions Inspection and Maintenance programs.

**NOTE:**

**2004 model year vehicles which have been flash reprogrammed may contain updated 2005 model year OBD II logic. These vehicles will require VIN entry into the ECM (PCM) after reprogramming.**



- Applicable Vehicles**
- **2004** model year vehicles that have been **flash reprogrammed**.
  - **All 2005 – 2006** model year vehicles.

**Warranty Information**

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



**Required  
SSTs**

ITEM NO.	SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QTY	DRW**
1	<b>Toyota Diagnostic Tester Kit*</b> NOTE: <ul style="list-style-type: none"> <li>All components from this kit/set are required</li> <li>12 Megabyte Diagnostic Tester Program Card (P/N 01002593–005) with version 12.2a Software (or later) is required</li> </ul> 	TOY220036	1	9
2	<b>CAN Interface Module Kit*</b> NOTE: <ul style="list-style-type: none"> <li>All components from this kit/set are required</li> </ul> 	01002744	1	9

\* Essential SSTs.

\*\* Refers to drawer number in SST Storage System.

**NOTE:**

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

**VIN Write  
Procedure**

To write a VIN to a replacement ECM (PCM), use the following process:

1. Confirm the VIN. It is located on the front left of the instrument panel.
2. Connect the Diagnostic Tester to DLC3.
3. Turn the ignition switch and Diagnostic Tester switch ON.

4. **All vehicles except Prius and Highlander HV:**

Select from the Diagnostic Tester menus: DIAGNOSIS, ENHANCED OBDII, VIN, and VIN WRITE.

**Prius and Highlander HV vehicles:**

Select from the Diagnostic Tester menus: DIAGNOSIS, OBD/MOBD, HV ECU, VIN, and VIN WRITE.

5. Write the VIN in accordance with the Diagnostic Tester display.
6. Compare the VIN displayed on the Diagnostic Tester with the VIN on the instrument panel. If these are not the same, write the VIN again after turning the ignition switch OFF.

Input a new VIN

If you want to clear the VIN,  
press [NO] key.

PRESS **[ENTER]**

WRITING COMPLETE

The following VIN has been  
written.

The DTCs have been erased  
correctly.

PRESS **[ENTER]**

**VIN Read Procedure**

1. Connect the Diagnostic Tester to DLC3.
2. Turn the ignition switch and Diagnostic Tester switch ON.
3. **All vehicles except Prius and Highlander HV:**  
Select from the Diagnostic Tester menus: DIAGNOSIS, ENHANCED OBDII, VIN, and VIN READ.  
**Prius and Highlander HV vehicles:**  
Select from the Diagnostic Tester menus: DIAGNOSIS, OBD/MOBD, HV ECU, VIN, and VIN READ.
4. Check the VIN displayed on the Diagnostic Tester.

**HINT:**

For further explanations, refer to the Technical Information System (TIS), appropriate model repair manual:  
*Diagnostics: SFI System: Registration.*

