



Technical Service BULLETIN

May 19, 2005

Title: **M.I.L. "ON" DTC P1121**
Models: '04 – '06 Prius

TSB

ENGINE
EG024-05
REVISED

TSB REVISION NOTICE:

- **November 3, 2006:** 2006 model year has been added to Applicable Vehicles. The VINs in Production Change Information have been updated. The TIS references have been updated.
 - **May 8, 2006:** The Parts Identification section has been removed — All parts (P/N 16670–21010) are now countermeasure parts.
- Previous versions of this TSB should be discarded.

Introduction Some customers with 2004 – 2006 model year Prius vehicles may experience a M.I.L. "ON" condition with DTC P1121, Coolant Flow Control Valve Position Sensor Stuck. The coolant flow control valve has been improved to prevent this condition.

- Applicable Vehicles**
- **All 2004 – 2005** model year **Prius** vehicles.
 - **2006** model year **Prius** vehicles produced **BEFORE** the Production Change Effective VINs shown below.

Production Change Information

MODEL	PLANT	PRODUCTION CHANGE EFFECTIVE VIN*
Prius	Tsutsumi	JTDKB2#U#6 <u>3</u> 195813
	Toyota Auto Body	JTDKB2#U#6 <u>7</u> 526644

* Underlined number in VIN (11th digit) represents assembly plant line code.

Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
16670–21010	Same	Coolant Flow Control Valve	1
00272–SLLC2	Same	Super Long Life Coolant (SLLC)	1

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
EG5019	R & R Coolant Flow Control Valve	2.1	16670–21010	8A	99

Applicable Warranty:**

This repair is covered under the Toyota Comprehensive Warranty. This warranty is in effect for 36 months or 36,000 miles, whichever occurs first, from the vehicle's in-service date.

** Warranty application is limited to correction of a problem based upon a customer's specific complaint.



Required SSTs

ITEM NO.	SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QTY	DRW**
1	<p>Toyota Diagnostic Tester Kit*</p> <p>NOTE:</p> <ul style="list-style-type: none"> All components from this kit/set are required. 12 Megabyte Diagnostic Tester Program Card (P/N 01002593–005) with version 13.4a Software (or later) is required. 	TOY220036	1	9
2	<p>CAN Interface Module Kit*</p> <p>NOTE:</p> <ul style="list-style-type: none"> All components from this kit/set are required. 	01002744	1	9

* Essential SSTs.

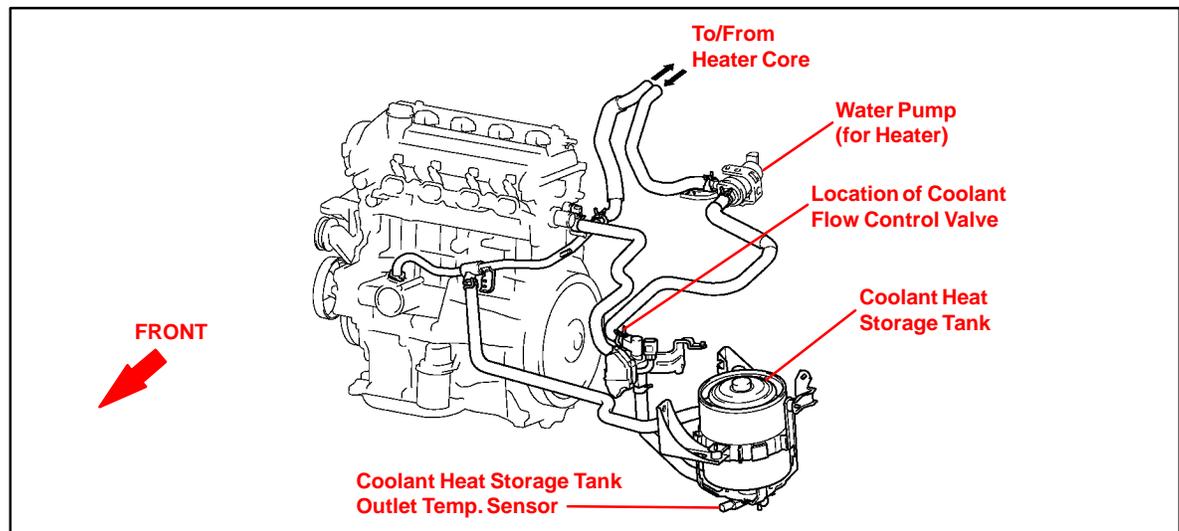
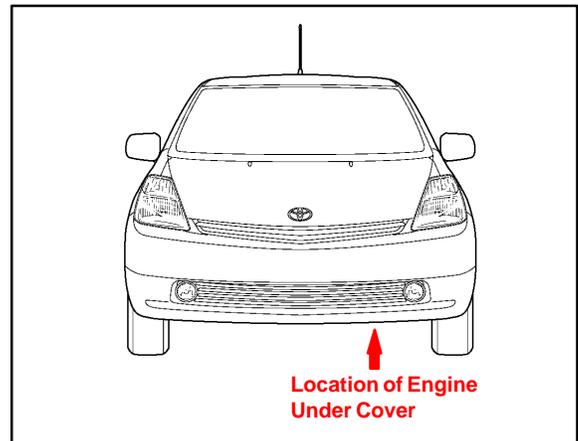
** Drawer number in SST Storage System.

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.

Repair Procedure

1. Remove engine under cover LH.
2. Drain engine coolant per instructions found on the Technical Information System (TIS), 2004 or 2005 model year Prius Repair Manual, *Engine/Hybrid System – Cooling – "1NZ–FXE: Engine Coolant: Replacement"*.



Repair Procedure
(Continued)

3. Mark upper coolant hose (hose to heater core). Take note on original location of all coolant hoses.

NOTE:

Installation of the coolant hoses in the wrong location may result in cooling system malfunction.

4. Remove electrical connector on coolant flow control valve.
5. Remove all three coolant hoses on coolant flow control valve.
6. Remove coolant flow control valve from vehicle body.
7. Install replacement coolant flow control valve in reverse order of removal.
8. Install engine under cover LH.
9. Add engine coolant per instructions found on TIS, 2004 or 2005 model year Prius Repair Manual, *Engine/Hybrid System – Cooling – "1NZ-FXE: Engine Coolant: Replacement"*.

