



Technical Service BULLETIN

January 23, 2008

Title:

M.I.L. "ON" DTC P1121

Models:

'04 – '07 Prius

ENGINE
EG001-08

TSB UPDATE NOTICE:

The information contained in this TSB supersedes TSB No. EG024-05.
TSB No. EG024-05 is now obsolete and should be discarded.

Introduction Some customers with 2004 – 2007 model year Prius vehicles may experience a M.I.L. "ON" condition with DTC P1121, Coolant Flow Control Valve Position Sensor Stuck. Use the repair procedure below to address this condition.

Applicable Vehicles

- **2004 – 2007** 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# <u>7</u> 3290401
	Toyota Auto Body	JTDKB2#U# <u>7</u> 688721

* 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	OFP	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
Tools &
Equipment**

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
TIS techstream* NOTE: Software version 2.20.015 or later is required. 	ADE	TSPKG1	1

* Essential SST.

NOTE:

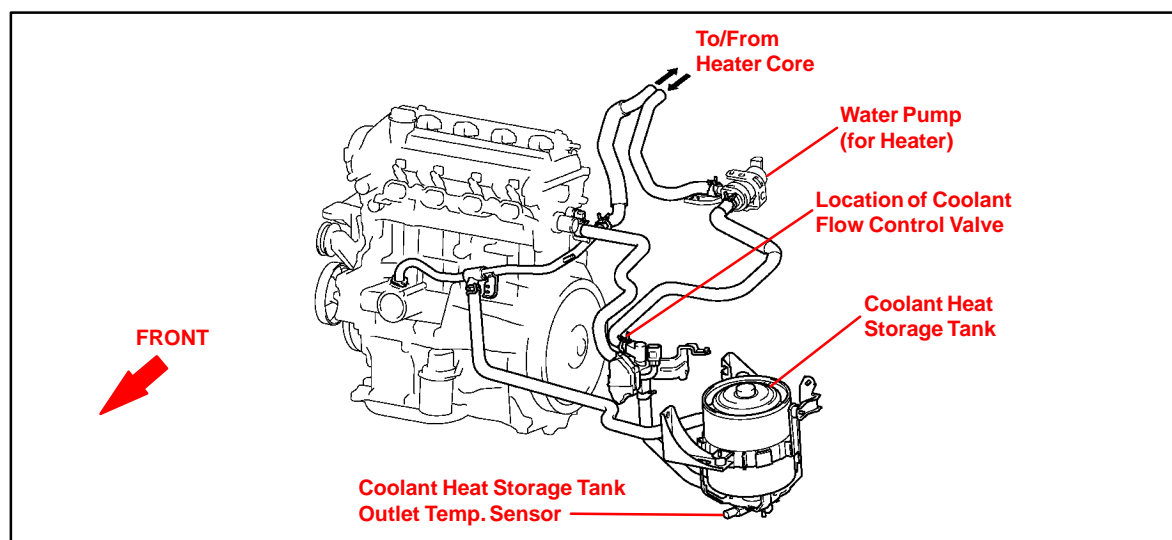
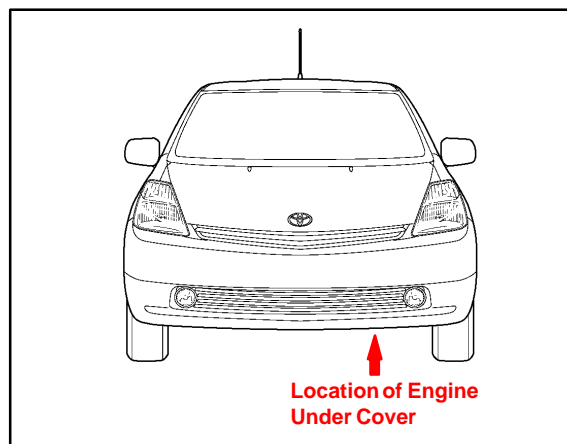
- Additional TIS techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.
- The Toyota Diagnostic Tester and CAN Interface Module may also be used to perform the service procedures listed in this bulletin.

**Repair
Procedure**

1. Check DTCs and confirm P1121 is present.
2. Remove the engine under cover LH.
3. Drain the engine coolant.

Refer to the Technical Information System (TIS):

- 2004 or 2005 model year Prius Repair Manual, *Engine/Hybrid System – Cooling – “Engine Coolant (1NZ-FXE): Replacement”*.
- 2006 or 2007 model year Prius Repair Manual, *Engine/Hybrid System – Cooling – “1NZ-FXE Cooling: Coolant: On-vehicle Inspection”*



**Repair
Procedure**
(Continued)

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

NOTE:

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

5. Remove the electrical connector on the coolant flow control valve.
6. Remove all three coolant hoses on the coolant flow control valve.
7. Remove the coolant flow control valve from the vehicle body.
8. Install the replacement coolant flow control valve in reverse order of removal.
9. Install the engine under cover LH.
10. Refill engine coolant.

Refer to TIS:

- 2004 or 2005 model year Prius Repair Manual, *Engine/Hybrid System – Cooling – "Engine Coolant (1NZ-FXE): Replacement"*.
- 2006 or 2007 model year Prius Repair Manual, *Engine/Hybrid System – Cooling – "1NZ-FXE Cooling: Coolant On-vehicle Inspection"*

11. Clear DTCs.

