



Technical Service BULLETIN

January 26, 2007

Title: **M.I.L. "ON" DTC P0A93, INFORMATION CODE 346**

Models: **'04 – '06 Prius**

ENGINE
EG001-07

Introduction Some customers with 2004 – 2006 model year Prius vehicles may experience a M.I.L. "ON" condition with DTC P0A93, information code 346 (Inverter Cooling System Performance). The HV coolant pump assembly has been improved to address this condition.

NOTE:

BEFORE applying this TSB, confirm basic system operation per the Repair Manual. If **NO** other HV cooling system problems exist, proceed with TSB repair instructions. Do **NOT** replace the Inverter w/Converter assembly.

Applicable Vehicles

- **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> 193332
	Toyota Auto Body	JTDKB2#U#6 <u>7</u> 518164

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

Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
G9020-47030	Same	Pump Assembly, Water w/Motor & Bracket	1
00272-SLLC2	Same	Super Long Life Coolant (SLLC)	1

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
EG5048	R & R Water w/Motor & Bracket Pump Assembly	1.0	G9020-47030	8A	99
Combo A	Connection of Toyota Diagnostic Tester	0.2			

Applicable Warranty:**

This repair is covered under the Toyota Powertrain Warranty. This warranty is in effect for 60 months or 60,000 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	Toyota Diagnostic Tester Kit* NOTE: <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 14.0a Software (or later) is required. 	TOY220036	1	9
2	CAN Interface Module Kit* NOTE: <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

Remove and replace the HV coolant pump assembly (water w/motor & bracket pump assembly).

Refer to the Technical Information System (TIS):

- 2004 or 2005 model year Prius Repair Manual, *Engine/Hybrid System – Hybrid Control System – “1NZ–FXE: Water W/motor & Bracket Pump Assy: Replacement”*
- 2006 model year Prius Repair Manual, *Engine/Hybrid System – Hybrid/Battery Control – “P112 Hybrid Vehicle Control: Water Pump with Motor: Removal”* and *“P112 Hybrid Vehicle Control: Water Pump with Motor: Installation”*

NOTE:

- An improperly bled coolant system can cause a reoccurrence of DTC P0A93.
- Refer to TIS for proper bleed procedure, 2004 – 2006 model year Prius Repair Manual, *Drivetrain – Hybrid Transmission/Transaxle – “Coolant: Replacement”*.