

MIL "ON" DTC P0A2D/249

Service Category Engine/Hybrid System

Section Cooling

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2010	Prius	

Introduction

Some 2010 model year Prius vehicles may exhibit a Master Warning Light (MWL) "ON" condition with Diagnostic Trouble Code (DTC) P0A2D/249, *Drive Motor "A" Temperature Sensor Open Circuit*, detected. This condition may be caused by water exposure to the Engine Relay Block if the Relay Block cover is not properly installed. Please refer to the procedure below to address this condition.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
EG9048	Diagnosis and Repair for P0A2D/249	0.5	82111-47###	8A	54

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 occurrence of the specified condition described in this bulletin.

Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
TIS Techstream* or Techstream Lite NOTE: Software version 6.01.21 or later is required.	ADE	TSPKG1 or TSLITEDLR01	1

* Essential SST.

NOTE

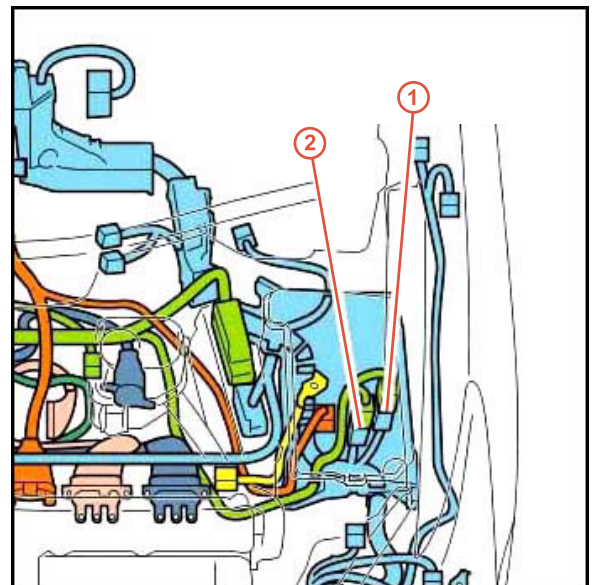
Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

MIL "ON" DTC P0A2D/249

Repair Procedure

1. Remove the engine bay Relay Block cover and inspect inside for signs of water intrusion or contamination.
 - If water intrusion or contamination is present, proceed to step 2.
 - If no water intrusion or contamination is present, proceed to step 3.
2. If any fuses or relays show any signs of corrosion, repair or replace as necessary.
3. Disconnect and inspect connector DA1 at the Relay Block for signs of water intrusion or contamination.
 - If water intrusion or contamination is found, clean and dry as needed, then proceed to step 4.
 - If no water intrusion or contamination is found, proceed to step 4.

Figure 1. Location of Connector DA1



1	Connector DA1
2	Connector DA2

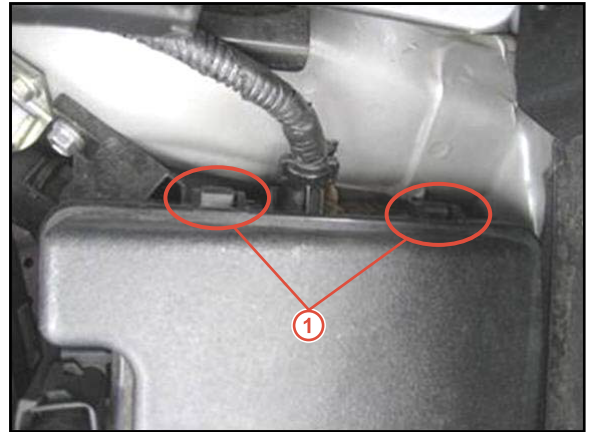
MIL "ON" DTC P0A2D/249

Repair Procedure (Continued)

4. Reinstall the Relay Block cover and ensure it is properly secured.

A. Secure the rear hooks of the Relay Block cover.

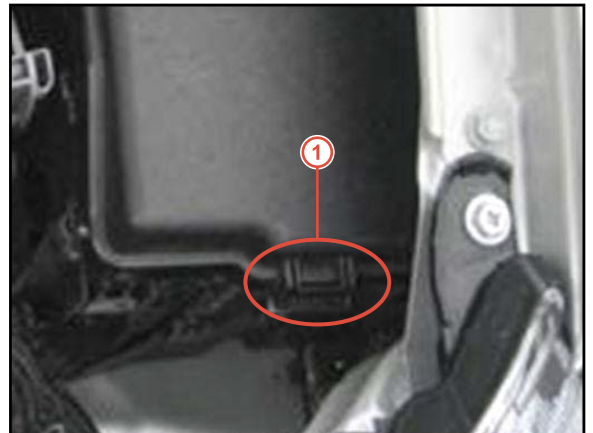
Figure 2.



1	Rear Hooks (2)
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B. Secure the front hook of the Relay Block cover.

Figure 3.



1	Front Hook
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5. Using TIS Techstream, clear all DTCs and retest. If P0A2D/249 recurs, follow the Repair Manual diagnostic procedure.

Refer to the Technical Information System (TIS), 2010 model year Prius Repair Manual:

[Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: Hybrid Control System: P0A2C-247,P0A2D-249: Drive Motor "A" Temperature Sensor Circuit Low](#)