

T-SB-0102-12


July 19, 2012

MIL "ON" DTC P314A / 828

Service
 Category Engine/Hybrid System

Section Hybrid/Battery Control System

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2011 – 2012	Highlander HV	

Introduction

Some 2011 – 2012 model year Highlander HV vehicles may exhibit a MIL "ON" condition with Diagnostic Trouble Code (DTC) P314A, information code 828 (Inverter Coolant Pump Speed Signal), stored in the Power Management Control ECU (HV ECU). Use the following repair procedure to address this condition.

Production Change Information

This bulletin applies to vehicles produced **BEFORE** the Production Change Effective VIN shown below.

MODEL	PLANT	PRODUCTION CHANGE EFFECTIVE VIN
Highlander HV	TMK	JTEDC3EH#C2007148

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
EL1213	R & R Engine Room Relay Block No. 2	0.8	82742-48020	8A	71

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.

Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
82742-48020	Same	Block, Engine Room Relay, No.2	1

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Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
TIS Techstream* or Techstream Lite NOTE: Software version 7.10.030 or later is required.	ADE	TSPKG1 or TSLITEDLR01	1

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

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Wire Harness Repair Kit B (Double Locking Pick Tool)	00002-04210-01 (00002-217958)	1

NOTE Additional SSTs may be ordered by calling 1-800-933-8335.
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* Essential SST.

Repair Procedure

- Using TIS Techstream, confirm that Diagnostic Trouble Code (DTC) P314A, information code 828 (Inverter Coolant Pump Speed Signal), is present.
- If DTC P314A, information code 828, is present, check the INV W/P fuse for loose fitting in the Engine Room Relay Block No. 2.

Is the INV W/P fuse loose?

- YES** — Continue to step 3.
- NO** — This bulletin does NOT apply. Refer to the Repair Manual for continued diagnostics.

Refer to the Technical Information System (TIS), applicable model and model year Repair Manual:

- 2011 / 2012 Highlander HV:
Engine/Hybrid System – Hybrid/Battery Control System – “P313 Hybrid Vehicle Control: Hybrid Control System: P314A-828: Inverter Coolant Pump Speed Signal”

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Repair Procedure (Continued)

3. If the INV W/P fuse is loose, replace the Engine Room Relay Block No. 2.

CAUTION

Be sure to disconnect the 12V auxiliary battery prior to removing the pins from the Engine Room Relay Block No. 2.

4. Clear DTCs.
5. Test drive the vehicle to confirm the condition has been corrected.