

HID Headlight System - Diagnostic Tips

Service Category Vehicle Exterior

Section Lighting (ext)

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2004 – 2008	Prius	

TSB REVISION NOTICE

- **May 12, 2008 Rev1:** The part numbers referenced in the Note at the end of the Repair Procedure have been corrected.

Any previous printed versions of this service bulletin should be discarded.

Introduction

The following bulletin is a supplement to the Repair Manual and provides diagnostics tips for troubleshooting “*Low Beam Does Not Turn On (One Side)*”.

Parts Information

MODEL YEAR	CURRENT PART NUMBER	PART NAME	QTY
2004 – 2005	90981-20007	Bulb, Discharge Headlamp	1
2006 – 2008	90981-20015		1

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
N/A	Not Applicable to Warranty	–	–	–	–

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Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST'S)	PART NUMBER	QTY
Digital Multimeter (or Digital Volt Ohm Meter [DVOM] or Equivalent)	09082-00050	1
Terminal Gauge Set*	00002-48937-01	1

* Essential SST.

NOTE

Additional SSTs may be ordered by calling SPX/OTC at 1-800-933-8335.

Repair Procedure

NOTE

If both low beam lights will NOT turn on, refer to the Repair Manual for diagnostics.

- Using the SST or DVOM or equivalent, perform a voltage drop across connector H5/H3 pins 1 and 2.
SST P/N 09082-00050 or equivalent
 - If reading is equal to source voltage, proceed to step 2.
 - If reading is NOT equal to source voltage, isolate and repair the trouble area in the headlight assembly power supply circuit.
- Using the SST, check the pin fit of the 12V connector at the HID ECU.
SST P/N 00002-48937-01
 - If pin fit is good, proceed to step 3.
 - If pin fit is loose, repair or replace the connector and harness.
- Switch the HID bulb between the left and right side.
 - If the condition follows the HID bulb, replace the HID bulb.
 - If the condition does NOT follow the bulb, replace the HID ECU.

NOTE

- The HID bulb and HID ECU service parts for 2004 – 2005 model year are NOT compatible with 2006 and later model year vehicles. Installing a 2004 or 2005 model year HID Bulb or HID ECU on a 2006 or later model year vehicle may cause an intermittent operation/flickering of the HID bulb.
- In most cases, when replacing the HID bulb, the HID ECU does NOT need to be replaced. In the event of HID ECU replacement, order the following part numbers: 81107-51050 (2004 – 2005 model year) or 81107-47150 (2006 – 2008 model year).