

Intermittent No Crank/No Start

Service Category Engine/Hybrid System

Section Starting

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2008 – 2009	Highlander	Drive Type(s): 2WD, 4WD Engine(s): 2GR Transmission(s): 5AT VDS(s): DS41A, DS42A, DS43A, ES41A, ES42A, ES43A
2009 – 2010	Matrix	Drive Type(s): 4WD Engine(s): 2AZ Transmission(s): 4AT VDS(s): LE40E, LE4EE
2006 – 2010	RAV4	

Introduction

Some Highlander, Matrix, and RAV4 vehicles may intermittently exhibit a “no crank” condition. The engine can usually be started after moving the shift lever to the Neutral position or by cycling the shift lever in and out of the Park position. A revised neutral start switch assembly is available to address this condition.

Warranty Information

OP CODE	DESCRIPTION	MODEL	TIME	OFP	T1	T2
832131	R & R Park/Neutral Position Switch Assembly	Highlander	0.9	84540-42010	17	99
		Matrix	0.5			
		RAV4	0.7			

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.

Intermittent No Crank/No Start

Production Change Information

This TSB applies to all 2008 – 2009 Highlander, 2009 – 2010 Matrix, 2009 – 2010 TMMC-built RAV4, and to RAV4 vehicles produced **BEFORE** the Production Change Effective VINs shown below.

MODEL	MODEL YEAR	ENGINE	DRIVETRAIN	PLANT	PRODUCTION CHANGE EFFECTIVE VIN
RAV4	2006–2010	2AZ-FE (2006–2008)	4WD	Shokki	JTM#F4DV#AD021515
				Tahara	JTM#F4DV#A5017922
		2AR-FE (2009–2010)	2WD	Shokki	JTM#F4DV#AD016058
				Tahara	JTM#F4DV#A5014952
		2GR-FE	4WD	Shokki	JTM#K4DV#AD010334
				Tahara	JTM#K4DV#A5084717
			2WD	Shokki	JTM#K4DV#AD003216
				Tahara	JTM#K4DV#A5026204

Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
84540-42010	Same	Neutral Start Switch Assembly	1

Repair Procedure

1. Replace the neutral start switch assembly.

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

2008 Highlander:

- Drivetrain – Automatic Transmission/Transaxle – “**U151E** Automatic Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”
- Drivetrain – Automatic Transmission/Transaxle – “**U151F** Automatic Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”

2009 Highlander:

- Drivetrain – Automatic Transmission/Transaxle – “**U151E** Automatic Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”
- Drivetrain – Automatic Transmission/Transaxle – “**U151F** Automatic Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”

Intermittent No Crank/No Start

Repair Procedure (Continued)

2009 Matrix:

- *Drivetrain – Automatic Transmission/Transaxle – “**U140F** Automatic Transmission/Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”*

2010 Matrix:

- *Drivetrain – Automatic Transmission/Transaxle – “**U140F** Automatic Transmission/Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”*

2006 RAV4:

- *Drivetrain – Automatic Transmission/Transaxle – “**U140F** Automatic Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”*
- *Drivetrain – Automatic Transmission/Transaxle – “**U151E** Automatic Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”*
- *Drivetrain – Automatic Transmission/Transaxle – “**U151F** Automatic Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”*
- *Drivetrain – Automatic Transmission/Transaxle – “**U241E** Automatic Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”*

2007 RAV4:

- *Drivetrain – Automatic Transmission/Transaxle – “**U140F** Automatic Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”*
- *Drivetrain – Automatic Transmission/Transaxle – “**U151E** Automatic Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”*
- *Drivetrain – Automatic Transmission/Transaxle – “**U151F** Automatic Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”*
- *Drivetrain – Automatic Transmission/Transaxle – “**U241E** Automatic Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”*

2008 RAV4:

- *Drivetrain – Automatic Transmission/Transaxle – “**U140F** Automatic Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”*
- *Drivetrain – Automatic Transmission/Transaxle – “**U151E** Automatic Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”*
- *Drivetrain – Automatic Transmission/Transaxle – “**U151F** Automatic Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”*
- *Drivetrain – Automatic Transmission/Transaxle – “**U241E** Automatic Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”*

Intermittent No Crank/No Start

Repair Procedure (Continued)

2009 RAV4:

- Drivetrain – Automatic Transmission/Transaxle – “**U140F** Automatic Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”
- Drivetrain – Automatic Transmission/Transaxle – “**U151E** Automatic Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”
- Drivetrain – Automatic Transmission/Transaxle – “**U151F** Automatic Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”
- Drivetrain – Automatic Transmission/Transaxle – “**U241E** Automatic Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”

2010 RAV4:

- Drivetrain – Automatic Transmission/Transaxle – “**U140F** Automatic Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”
- Drivetrain – Automatic Transmission/Transaxle – “**U151E** Automatic Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”
- Drivetrain – Automatic Transmission/Transaxle – “**U151F** Automatic Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”
- Drivetrain – Automatic Transmission/Transaxle – “**U241E** Automatic Transaxle: Park/Neutral Position Switch: [Removal](#) / [Adjustment](#) / [Installation](#)”

2. Adjust the switch.

3. Confirm the vehicle starts with the shift lever in the Park and Neutral shift lever positions.