

T-SB-0037-12


February 15, 2012

Smart Key Inoperative

Service Category Vehicle Interior

Section Theft Deterrent/Keyless Entry

Market USA

Toyota Supports ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2011	4Runner, Prius, Venza	

Introduction

Some 2011 4Runner, Prius, and Venza vehicles may exhibit a condition where the Smart Key system is inoperative when another vehicle's Smart key is in or near the vehicle. Condition may affect Smart access, wireless remote operation, and Smart start. Combination meter multi-information display may show the message: "Key not detected" when attempting to start vehicle and when driving. Follow the procedures outlined in this bulletin to address this condition.

NOTE

- With above listed condition present, starting vehicle can still be achieved by placing key fob on start button, pressing brake pedal, and pushing start button.
- Obtain ALL customer's registered keys and check FCC ID's printed on them. If keys have FCC ID's ending in "AB", vehicle qualifies for repair.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EL9045	R & R Door Control Receiver	0.4	89740-#####	72	74

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.

NOTE

Original Failed Part number (OFP) should be identified on original Door Control Receiver.

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Production Change Information

This TSB applies to vehicles produced **AFTER** the Starting VIN and **BEFORE** the Ending VIN shown below.

NOTE
First check to see if complaint vehicle falls between the starting and ending VIN numbers. If VIN is not within these ranges, this TSB does NOT apply.

MODEL	DETAILS	STARTING VIN	ENDING VIN
Prius	Plant code "0"	JTDKN3DU#B0303928	JTDKN3DU#B0325292
	Plant code "1"	JTDKN3DU#B1371090	JTDKN3DU#B1398989
	Plant code "5"	JTDKN3DU#B5272465	JTDKN3DU#B5296239
Venza	2WD L4	4T3ZA3BB#BU047837	4T3ZA3BB#BU051910
	2WD V6	4T3ZK3BB#BU041578	4T3ZK3BB#BU044225
	4WD L4	4T3BA3BB#BU024576	4T3BA3BB#BU027215
	4WD V6	4T3BK3BB#BU056607	4T3BK3BB#BU061064
4Runner	2WD	JTEZU5JR#B5027232	JTEZU5JR#B5030945
	4WD	JTEBU5JR#B5063136	JTEBU5JR#B5071811

Parts Information

MODEL	OPTIONS	PREVIOUS PART NUMBER	CURRENT PART NUMBER	DESCRIPTION	QTY
Prius	w/o A/C button	89904-47430	89904-47230	Key Fob	2
	w A/C button	89904-47420	89904-47150	Key Fob	2
	N/A	89740-47140	89740-47050	Door Control Receiver	1
Venza	w/o PBD	89904-0T070	89904-0T050	Key Fob	2
	w PBD	89904-0T080	89904-0T060	Key Fob	2
	N/A	89740-0T030	89740-0T010	Door Control Receiver	1
4Runner	N/A	89904-35030	89904-35010	Key Fob	2
		89740-35030	89740-35010	Door Control Receiver	1

NOTE
Option "PBD" indicates presence of Power Back Door button on remote key fob.

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Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
TIS Techstream* or Techstream Lite NOTE: Software version 6.20.020 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.

Repair Procedure

1. Install updated Door Control Receiver using the appropriate links below. Refer to the Technical Information System (TIS), applicable model and model year Repair Manual:
 - 2011 4Runner:
Vehicle Interior – Door Lock – “Door Control Receiver: Removal / Installation”
 - 2011 Prius:
Vehicle Interior – Door Lock – “Door Control Receiver: Removal / Installation”
 - 2011 Venza:
Vehicle Interior – Door Lock – “Door Control Receiver: Removal / Installation”
2. Program Smart Key system using “3-step procedure” listed below.

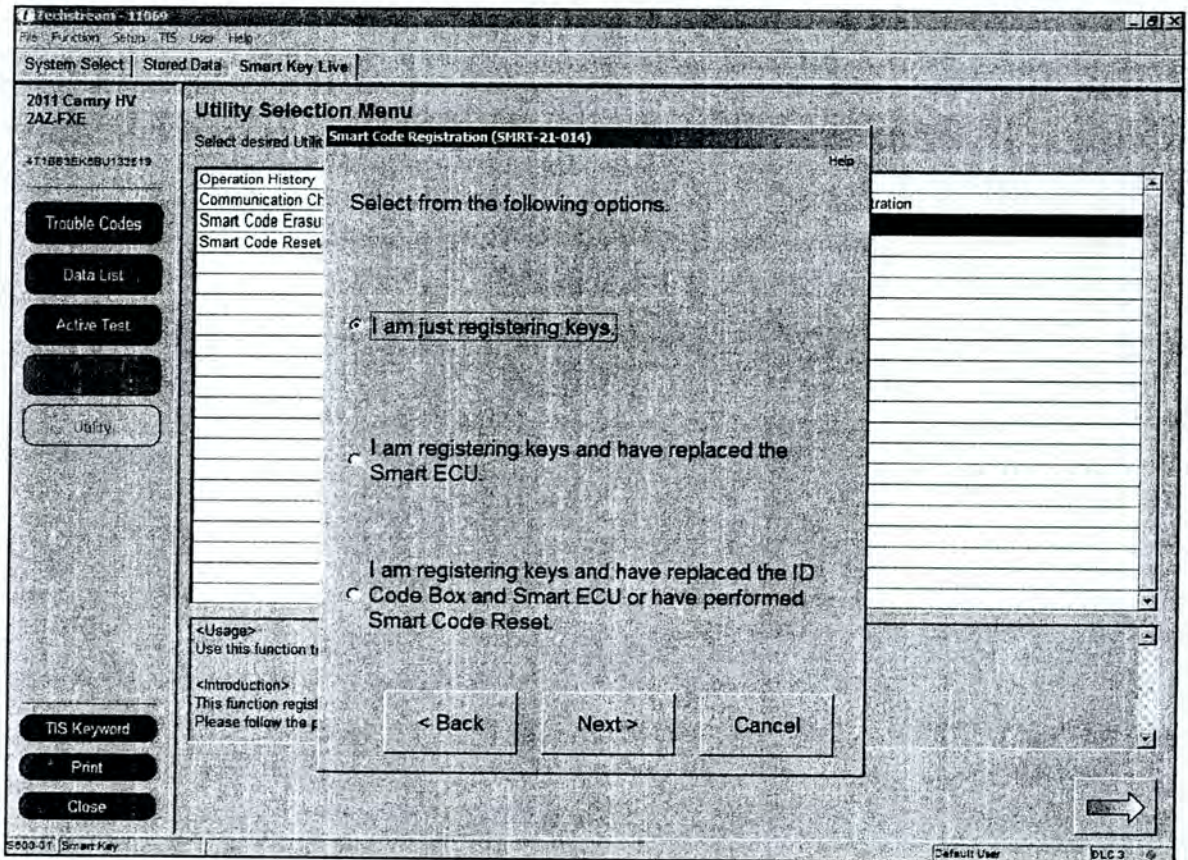
NOTE
 Identify FCC ID codes on original and new Smart Key fob plastic cases. Key fobs with FCC ID ending in “AB” identifies original AM keys. Do NOT mix original AM keys and new FM keys. Keep them in separate locations.

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Repair Procedure

Programming 2 New FM Key Fobs Using "3-Step Procedure": (Continued)

Figure 2.



- B. Authorize addition of FM key by first placing original AM key (FCC: -AB) on start button for one beep.
- C. Add one new FM key by placing it above start button for first beep, and on seat for second beep.
- D. Close Smart Code Registration utility to complete step 1.
- E. Remove all original AM keys from your work area. They are no longer needed.

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Repair Procedure

Programming 2 New FM Key Fobs Using "3-Step Procedure": (Continued)

3. Add - This step programs the second new FM key to complete the set of two new keys.
 - A. Enter Smart Code Registration utility for adding keys.
 - B. Authorize addition of key by placing first new programmed FM key on start button for one beep.
 - C. Add second new FM key by placing above start button for first beep, and on seat for second beep.
 - D. Close Smart Code Registration utility to complete step 3.

Repair Completion

When repair is completed, verify all Smart and wireless functions including power back door operation (if applicable). Final programmed keys should include 2 regular Smart Key fobs. None of the final programmed keys should have an FCC ID ending with the letters "AB".