

L-SB-0011-12


February 24, 2012

## Smart Key Inoperative

Service Category Vehicle Interior

Section Theft Deterrent/Keyless Entry

Market USA

Lexus Supports ASE Certification 

### Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2011 – 2012	CT200H, GX460, HS250H, LS460, LS600H, RX350, RX450H	

### Introduction

Some 2011 and 2012 Lexus models may exhibit a condition where the Smart Key system is inoperative when another vehicle's Smart key is in or near the vehicle. The following functions may also be affected: wireless remote operation, Smart access, and Smart start. The combination meter multi-information display may show the message: "Key not detected" when attempting to start vehicle and when driving. Follow the repair procedures in this TSIB to address this condition.

#### NOTE

- With the above listed condition present, starting vehicle can still be achieved by placing the key fob on the start button, pressing brake pedal, and pushing the 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	OFF	T1	T2
EL1116	R & R Door Control Receiver	0.4	89740-#####	72	74

#### APPLICABLE WARRANTY

- This repair is covered under the Lexus Comprehensive Warranty. This warranty is in effect for 48 months or 50,000 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 (OFF) should be identified on original Door Control Receiver.

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### Production Change Information

This TSB applies to vehicles produced **AFTER** the starting VINs and **BEFORE** the ending VINs shown below.

MODEL	DRIVETRAIN	STARTING VIN	ENDING VIN
RX 350	2WD Line 1	JTJZK1BA#B2005695	JTJZK1BA#C2005740
	2WD Line 2	JTJZK1BA#B2412179	JTJZK1BA#C2412665
	4WD Line 1	JTJBK1BA#B2017547	JTJBK1BA#C2018429
	4WD Line 2	JTJBK1BA#B2440092	JTJBK1BA#C2442823
	2WD NAP	2T2ZK1BA#BC061318	2T2ZK1BA#CC065444
	4WD NAP	2T2BK1BA#BC114511	2T2BK1BA#CC121798
RX 450h	2WD Line 1	JTJZB1BA#B2005970	JTJZB1BA#C2006107
	2WD Line 2	JTJZB1BA#B2405665	JTJZB1BA#C2406434
	4WD Line 1	JTJBC1BA#B2045068	JTJBC1BA#C2046328
	4WD Line 2	JTJBC1BA#B2422735	JTJBC1BA#C2426163
LS 460	2WD Short	JTHBL5EF#B5106677	JTHBL1EF#C5109785
	2WD Long	JTHGL5EF#B5044090	JTHGL1EF#C5044961
	4WD Short	JTHCL5EF#B5011576	JTHCL1EF#C5013224
	4WD Long	JTHDL#EF#B5003791	JTHDL#EF#C5004211
LS 600h	N/A	JTHDU#EF#B5014309	JTHDU#EF#C5014730
GX 460		JTJJM7FX#B5032261	JTJJM7FX#C5036347
HS 250h		JTHBB1BA#B2046355	JTHBB1BA#B2048266
CT 200h		JTHKD5BH#B2033789	JTHKD5BH#C2050793



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### Parts Information

MODEL	OPTIONS	PREVIOUS PART NUMBER	CURRENT PART NUMBER	DESCRIPTION	QTY
RX350 (NAP)	N/A	89904-0E050	89904-0E031	Key Fob	2
		89904-48D90	89994-48072	Flat Key	*
		89740-0E040	89740-0E010	Door Control Receiver	1
RX350 (CBU)	w/o PBD	89904-48670	89904-48181	Key Fob	2
	w/ PBD	89904-48680	89904-48191	Key Fob	2
	N/A	89904-48D90	89994-48072	Flat Key	*
		89740-48200	89740-0E010	Door Control Receiver	1
RX450h	w/ PBD	89904-48D40	89904-48491	Key Fob	2
		89904-76130	89994-48142	Flat Key	*
		89740-48200	89740-0E010	Door Control Receiver	1
LS460	N/A	89904-50Q40	89904-50F90	Key Fob	2
		89904-48D90	89994-50420	Flat Key	*
		89740-50061	89740-50180	Door Control Receiver	1
LS600h	N/A	89904-75110	89904-75030	Key Fob	2
		89904-76130	89994-50520	Flat Key	*
		89740-50061	89740-50180	Door Control Receiver	1
GX460	N/A	89904-60C80	89904-60590	Key Fob	2
		89740-60170	89740-60080	Door Control Receiver	1
		89904-75110	89904-75030	Key Fob	2
HS250h	N/A	89904-76130	89994-48142	Flat Key	*
		89740-75140	89740-75050	Door Control Receiver	1
		89904-76080	89904-48481	Key Fob	2
CT200h	N/A	89904-76130	89994-48142	Flat Key	*
		89740-76090	89740-76010	Door Control Receiver	1

\* If customer provides a working flat key, one replacement flat key is required for repair.

**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. Refer to the Technical Information System (TIS), applicable model and model year Repair Manual:
  - 2011 / 2012 RX 350:  
*Vehicle Interior – Door Lock – “Door Control Receiver: Removal”*
  - 2011 / 2012 RX 450h:  
*Vehicle Interior – Door Lock – “Door Control Receiver: Removal”*
  - 2011 / 2012 LS 460/600h:  
*Vehicle Interior – Door Lock – “Door Control Receiver: Removal”*
  - 2011 / 2012 GX 460:  
*Vehicle Interior – Door Lock – “Door Control Receiver: Removal”*
  - 2011 / 2012 HS 250h:  
*Vehicle Interior – Door Lock – “Door Control Receiver: Removal”*
  - 2011 / 2012 CT 200h:  
*Vehicle Interior – Door Lock – “Door Control Receiver: Removal”*



## Smart Key Inoperative

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### Repair Procedure

- 2011 / 2012 RX 350:  
*Vehicle Interior – Door Lock – “Door Control Receiver: Installation”*
- 2011 / 2012 RX 450h:  
*Vehicle Interior – Door Lock – “Door Control Receiver: Installation”*
- 2011 / 2012 LS 460/600h:  
*Vehicle Interior – Door Lock – “Door Control Receiver: Installation”*
- 2011 / 2012 GX 460:  
*Vehicle Interior – Door Lock – “Door Control Receiver: Installation”*
- 2011 / 2012 HS 250h:  
*Vehicle Interior – Door Lock – “Door Control Receiver: Installation”*
- 2011 / 2012 CT 200h:  
*Vehicle Interior – Door Lock – “Door Control Receiver: 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.

## Smart Key Inoperative

### Repair Procedure (Continued)

#### Program 2 New FM Key Fobs Using "3-Step Procedure"

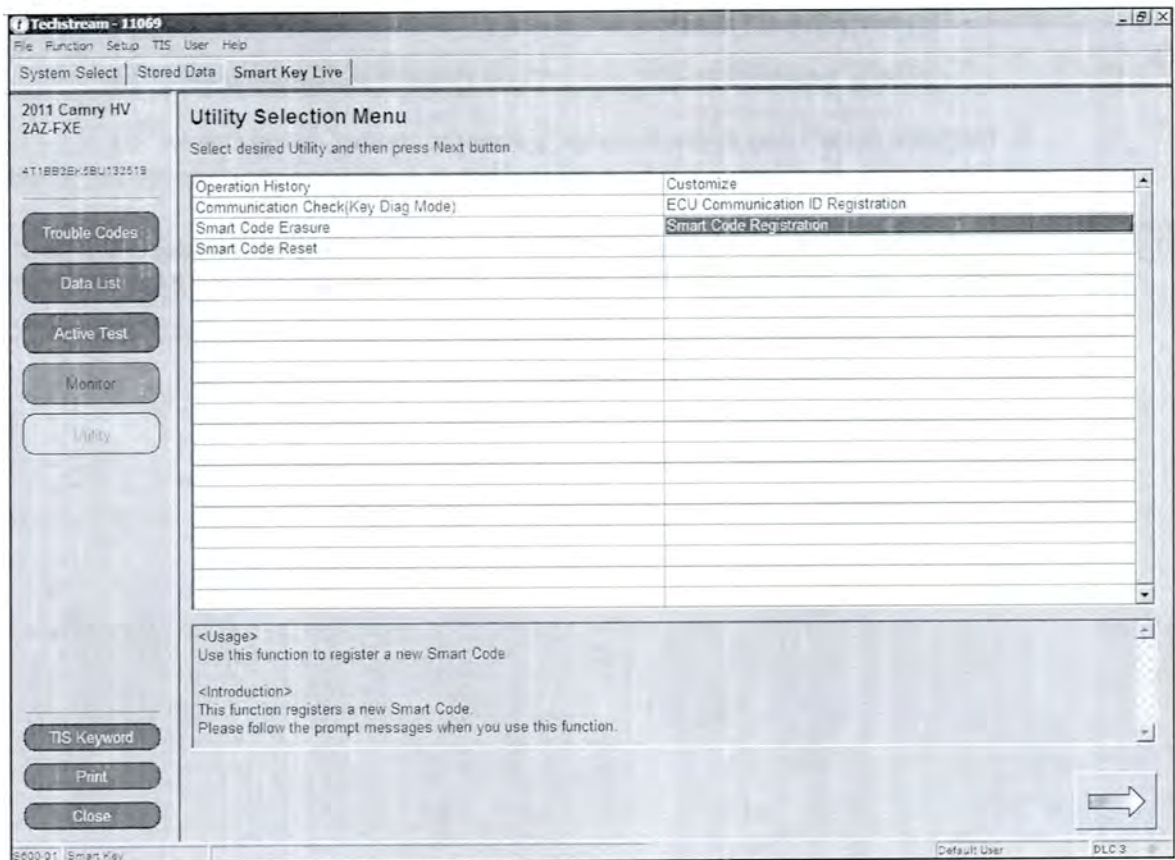
**NOTE**

- This procedure is required to ensure all new FM keys are programmed and all original AM keys are erased from history. Since erase function clears out all previous keys, 3 steps are necessary.
- Remove all RF transmitting devices before attempting to program system, including cell phones, freeway toll transmitters, and other Smart keys. Make sure all other key fobs are outside vehicle (at least 9.1 feet away from zone) except for the 1 key being used for programming at any given time.
- It will be necessary to turn on the ignition by holding original AM (FCC: -AB) key over start button to begin step 1.

1. Add - This step programs one new FM key using the original AM key to authorize.

A. Enter Smart Code Registration utility for adding keys.

Figure 1.



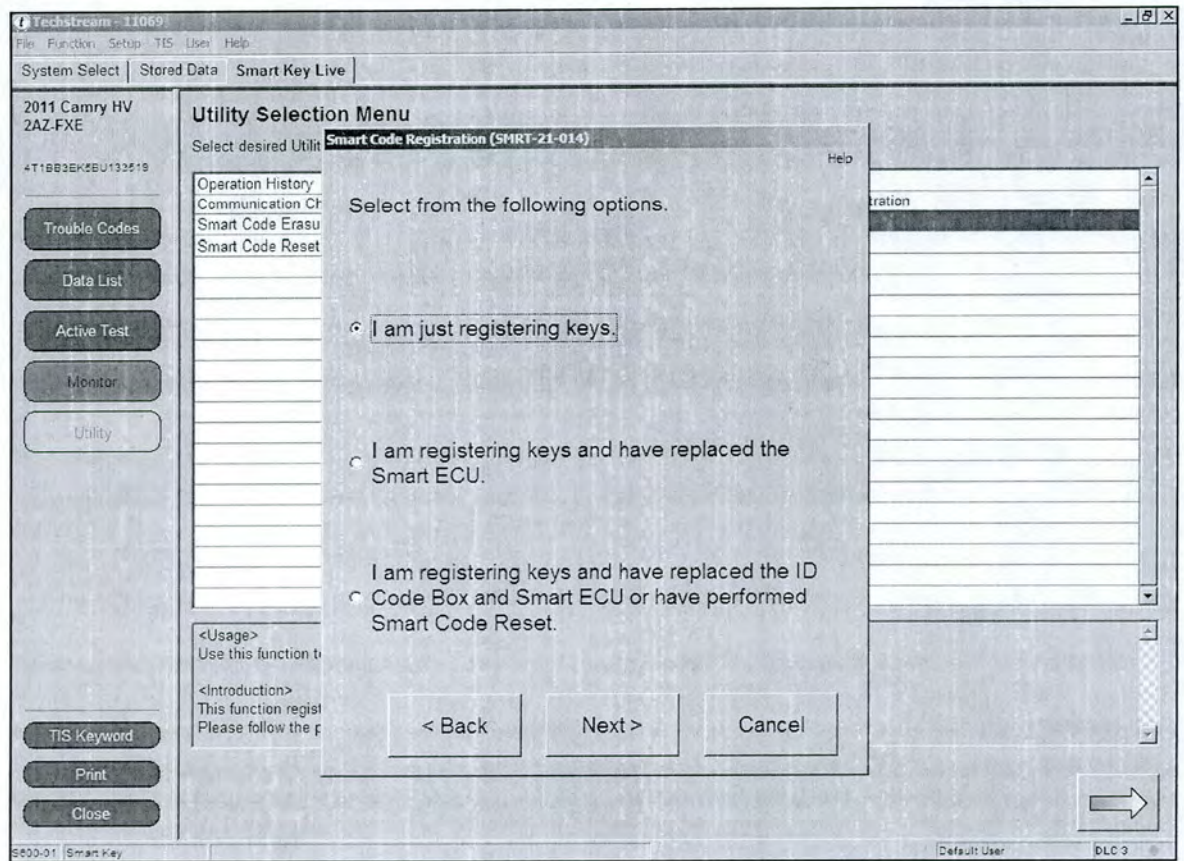


## Smart Key Inoperative

### Repair Procedure

#### Program 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.





## Smart Key Inoperative

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### Repair Procedure

#### Program 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. Add new FM flat key (or card key) if applicable by placing above start button for first beep, and on seat for second beep. (Flat key not applicable to GX460)
  - E. 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 and 1 flat key (or key card) if applicable. None of the final programmed keys should have an FCC ID ending with the letters "AB".