


# Smart Key Intermittent No Crank/No Start

**Service Category** Vehicle Interior

**Section** Theft Deterrent/Keyless Entry

**Market** USA

Lexus Supports  
ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2007 – 2008	ES350, GS350, GS450H, LS460	
2006 – 2008	IS250, IS350	
2008	LS600H	

### TSIB REVISION NOTICE

- **June 4, 2009 Rev1:**
  - **Applicability has been updated to include 2006 – 2008 model year IS 250.**

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

## Introduction

Some customers may experience a no crank condition or a start and immediate stall condition when starting the engine using the “Push Start” switch. A new “Push Start” switch is now available to address this concern.

## Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST'S)	PART NUMBER	QTY
Plastic Pry Tool Set* (Plastic Panel Clip Removal Tool)	<a href="#">00002-06000-01</a> (00002-06001-01)	1

\* Essential SST.

### NOTE

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

## Smart Key Intermittent No Crank/No Start

### Warranty Information

OP CODE	DESCRIPTION	MODEL	TIME	OFF	T1	T2
830611	R & R Push Start Switch	LS 600h	0.5	89611-50020	17	41
		LS 460	0.6	89611-50010		
		LS 460L				
		GS 350	0.6	89611-30020		
		GS 350 (4WD)				
		GS 450h	0.6	89611-30030		
		IS 250	0.3	89611-30020		
		IS 350				
ES 350	0.5	89611-30020				

#### 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 correction of a problem based upon a customer's specific complaint.

### Parts Information

MODEL(S)	PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
LS600h	89611-50020	Same	Switch, Push Start	1
LS460/460L	89611-50010	89611-50011		1
GS450h	89611-30030	Same		1
ES 350, GS350, IS250/350	89611-30020			1

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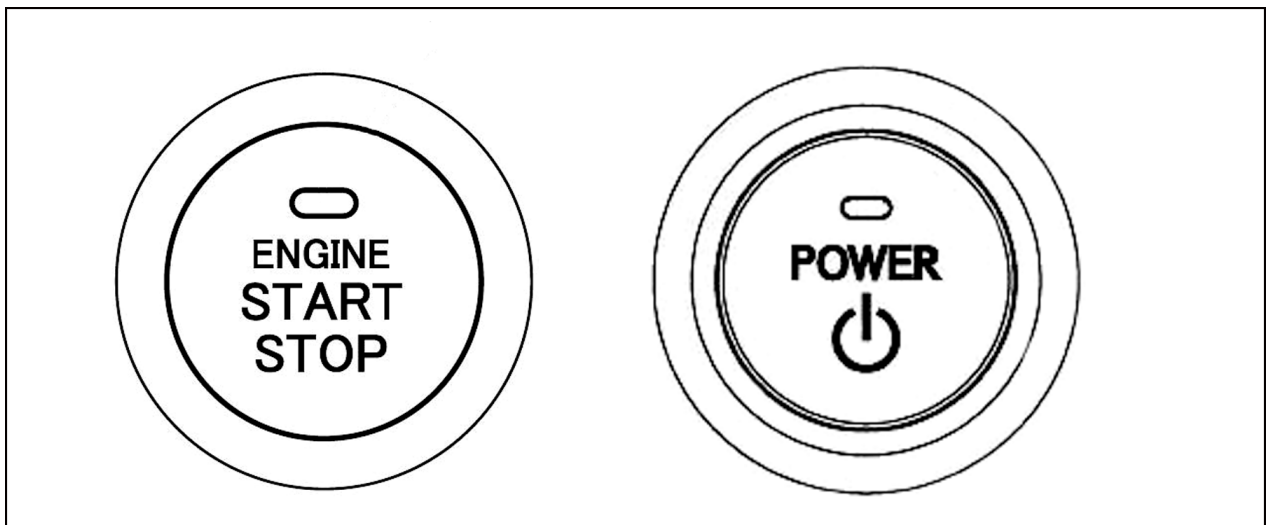
### Production Change Information

This TSIB applies to vehicles produced **BEFORE** the Production Change Effective VINs shown below.

MODEL	PLANT	PRODUCTION CHANGE EFFECTIVE VIN
LS 600h	All	JTHDU46F#85004370
LS 460		JTHBL4#F#85060936
LS 460L		JTHGL4#F#85024225
GS 350 (2WD)		JTHBE96S#80030130
GS 350 (AWD)		JTHCE96S#80014409
GS 450h		JTHBC96S#85013025
IS 350		Tahara
	TMK	JTHB#262#82014526
IS 250 (2WD)	Tahara	JTHB#262#85059090
	TMK	JTHB#262#82065673
IS 250 (4WD)	Tahara	JTHCK2#2#85018955
	TMK	JTHCK2#2#82022553
ES 350	All	JTHBJ46G#82230455

### Overview

Figure 1.



## Smart Key Intermittent No Crank/No Start

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### Repair Procedure

**NOTE**

In the repair manuals the push start switch is referenced to as the “Power Switch” when installed in Hybrid vehicles and the “Engine Switch” when installed in all other vehicles.

This TSIB details the replacement of the push start switch on vehicles equipped with Smart Key with one of two specific concerns, both of which are intermittent issues that can occur only while starting the engine.

- No crank and no start concern.
- Engine cranks, starts and then immediately stalls.

**NOTE**

Before considering replacement of the push start switch please verify the following conditions are normal:

1. Vehicle battery is fully charged.
2. Key battery voltages are within specification.
3. No other repairs have been performed or parts replaced on the smart key system causing the system to become completely inoperative.
4. The M.I.L. (Check Engine Light) is off with the engine running. If the M.I.L. is ON, repair and clear any related codes before performing this TSIB.

Detailed removal and installation instructions of the engine / power switch including systems requiring initialization are found in the Technical Information System (TIS), applicable Repair Manual:

2008 LS 600h:

- *Engine/Hybrid System — Starting — “Power Switch: [Removal](#) and [Installation](#)”*

2007 LS 460 & 460L:

- *Engine/Hybrid System — Starting — “Engine Switch: [Removal](#)” and [Installation](#)”*

2008 LS 460 & 460L:

- *Engine/Hybrid System — Starting — “Engine Switch: [Removal](#) and [Installation](#)”*

2007 GS 350:

- *Engine/Hybrid System — Starting — “Engine Switch: [Removal](#) and [Installation](#)”*

2008 GS 350:

- *Engine/Hybrid System — Starting — “Engine Switch: [Removal](#) and [Installation](#)”*

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### Repair Procedure (Continued)

2007 GS 450h:

- *Engine/Hybrid System — Starting — “Power Switch: [Removal](#) and [Installation](#)”*

2008 GS 450h:

- *Power Source/Network — Power Distribution — “Power Switch: [Removal](#) and [Installation](#)”*

2006 IS 250:

- *Engine/Hybrid System — Starting — “Engine Switch: [Removal](#) and [Installation](#)”*

2007 IS 250:

- *Engine/Hybrid System — Starting — “Engine Switch: [Removal](#) and [Installation](#)”*

2008 IS 250:

- *Engine/Hybrid System — Starting — “Engine Switch: [Removal](#) and [Installation](#)”*

2006 IS 350:

- *Engine/Hybrid System — Starting — “Engine Switch: [Removal](#) and [Installation](#)”*

2007 IS 350:

- *Engine/Hybrid System — Starting — “Engine Switch: [Removal](#) and [Installation](#)”*

2008 IS 350:

- *Engine/Hybrid System — Starting — “Engine Switch: [Removal](#) and [Installation](#)”*

2007 ES 350:

- *Engine/Hybrid System — Starting — “Engine Switch: [Removal](#) and [Installation](#)”*

2008 ES 350:

- *Power Source/Network — Power Distribution — “Engine Switch: [Removal](#) and [Installation](#)”*

After replacing the “Push Start Switch” verify normal Smart Key operation.