



**Technical Service
Information Bulletin**

January 10, 2006

Title:

**REPAIR MANUAL SUPPLEMENT:
SMART KEY**

Models:

'06 GS 300, '06 – '07 GS 430 & IS 250/350,
'07 ES 350, GS 350, & LS 460

REVISÉD
ELECTRICAL
EL001-06

TSIB REVISION NOTICE:

- March 16, 2007: 2006 – 2007 model year IS 250/350 and 2007 model year ES 350, GS 350/430, and LS 460 vehicles have been added to Applicable Vehicles. The note in step 4 of the Repair Procedure has been updated. A note has been added to screen “G” of the Repair Procedure.



Previous versions of this TSIB should be discarded.

Introduction The following procedure should be used when all the registered Smart Keys to the vehicle are lost.

Applicable Vehicles

- 2006 model year **GS 300** vehicles.
- 2006 – 2007 model year **GS 430** and **IS 250/350** vehicles.
- 2007 model year **ES 350, GS 350, and LS 460** vehicles.

Required SSTs

ITEM NO.	SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QTY	DRW**
1	Lexus Diagnostic Tester Kit* NOTE: • All components from this kit/set are required • 12 Megabyte Diagnostic Tester Program Card (P/N 01002593-005) with version 13.2a Software (or later) is required 	LEX220036	1	8
2	CAN Interface Module Kit* NOTE: • All components from this kit/set are required 	01002744	1	8

* Essential SSTs.

** Refers to drawer number in SST Storage System.

NOTE:

Additional Diagnostic Tester Kits, CAN Interface Modules, Program Cards, or other SSTs may be ordered by calling SPX/OTC at 1-800-933-8335.

Warranty Information

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



Repair Procedure

1. Place the vehicle in an area that is free from radio frequency interference (i.e., away from any power lines, laser wheel alignment machines, etc.).
2. Turn OFF or remove from the vehicle's interior any wireless communication devices (i.e., cell phones, text pagers, etc.) and all other non-factory electrical accessories.
3. Connect the Diagnostic Tester to DLC3.
4. Reset the Smart and Immobilizer function.

NOTE:

- The Smart and Immobilizer functions are reset together using one procedure.
- After reset is complete, the ignition switch can only be cycled 10 times prior to key registration. If the ignition switch is cycled more than 10 times without key registration, the ID code box and Smart Key (Certification) ECU will be locked and will require replacement.

Follow the Diagnostic Tester screen flows below. This procedure works best if you use the instructions under the "DO THIS" column and use the screen prints to know WHEN to perform the instructions only.

Repair
Procedure
(Continued)

**WHEN THIS
SCREEN APPEARS:**

DO THIS:

A

TOYOTA
DIAGNOSTIC TOOLSET
PROGRAM CARD

Version 13.2a

11/08/05

Press <ENTER>

Press "ENTER"



B

APPLICATION SELECT

1: DIAGNOSIS
2: CUSTOMIZE
3: ECU REPROGRAM

Select "DIAGNOSIS"



C

FUNCTION SELECT FOR
NORTH AMERICA

1: OBD/MOBD
2: ENHANCED OBD II
3: CARB OBD II
4: BREAK-OUT BOX
5: NVH
6: AUTOPROBE
7: 02 RPM CHECK
8: SNAPSHOT REVIEW
9: SETUP
0: GAS ANALYSIS

- Select "OBD/MOBD"
- Press "ENTER"



D

VEHICLE SELECT

NEW VEHICLE
LAST VEHICLE

Select "NEW VEHICLE"



(Continued next page)

Repair Procedure
(Continued)

(Continued from previous page)

WHEN THIS SCREEN APPEARS:

DO THIS:

E

VEHICLE SELECT
NEW VEHICLE

Select Model Year



F

VEHICLE SELECT

Model Selection

**** Select Appropriate Model**



G

OBD/MOBD MENU

1: METER
2: COMBI SW
3: D-SEAT SW
4: CLEARANCE SONAR
5: SMART ACCESS
6: PWR SOURCE CTRL
7: RAIN SENSOR
8: AFS
9: 4WD



H

DIAGNOSTIC MENU
SMART ACCESS

1: DATA LIST
2: DTC INFO
3: ACTIVE TEST
4: SNAPSHOT
5: ID UTILITY



- **Select “SMART ACCESS”**
- **Press “ENTER”**

NOTE:

If the Diagnostic Tester CANNOT communicate with the Smart Key ECU, return to screen “G” and press the “START/STOP” switch. After pressing the switch, select “SMART ACCESS” again.

- **Select “ID UTILITY”**
- **Press “ENTER”**

(Continued next page)

Repair Procedure
(Continued)

(Continued from previous page)

WHEN THIS SCREEN APPEARS:

DO THIS:

I

ID UTILITY
SMART ACCESS

1: SMART CODE REG
2: SMART CODE ERS
3: SMART DIAG MODE
4: ECU COMM ID REG

9: SMART CODE RESET

- Select “SMART CODE RESET”
- Press “ENTER”



J

<CONFIRM>

This function will
reset all
registered SMART
CODEs.

Do you want to
continue to
resetting?

PRESS[YES] or [NO]

Press [YES]



K

<CONFIRM>

–Driver’s door is
open.

DO NOT CLOSE THE
DOOR DURING RESET
PROCEDURE.

PRESS [ENTER]

Press “ENTER”

NOTE:
After pressing “ENTER,” the Diagnostic Tester will provide you with a 6-digit seed number.

NOTE:

Do NOT disconnect the Diagnostic Tester from the DLC3 Connector during the passcode/reset procedure.



(Continued next page)

Repair Procedure
(Continued)

(Continued from previous page)

WHEN THIS SCREEN APPEARS:

DO THIS:

L

Seed Number

XXXXXX

Please insert seed number into TIS

PRESS [ENTER]

Using the TIS (Technical Information System) workstation, select “Immobilizer Reset” and complete the request form to retrieve a “Passcode Number”



M

Please input the Passcode number from TIS

Passcode Number

XXXXXX

- Enter the “Passcode Number” received from TIS into the Diagnostic Tester (using the number pad)
- Press “ENTER”



N

****Now Resetting****

This operation will take 16 minutes to complete

Remaining time [XX]

This will begin a 16-minute countdown.
DO NOT DISCONNECT DIAGNOSTIC TESTER DURING THIS PROCESS.



O

<RESULT>

SMART CODEs were successfully reset.

PRESS [ENTER]

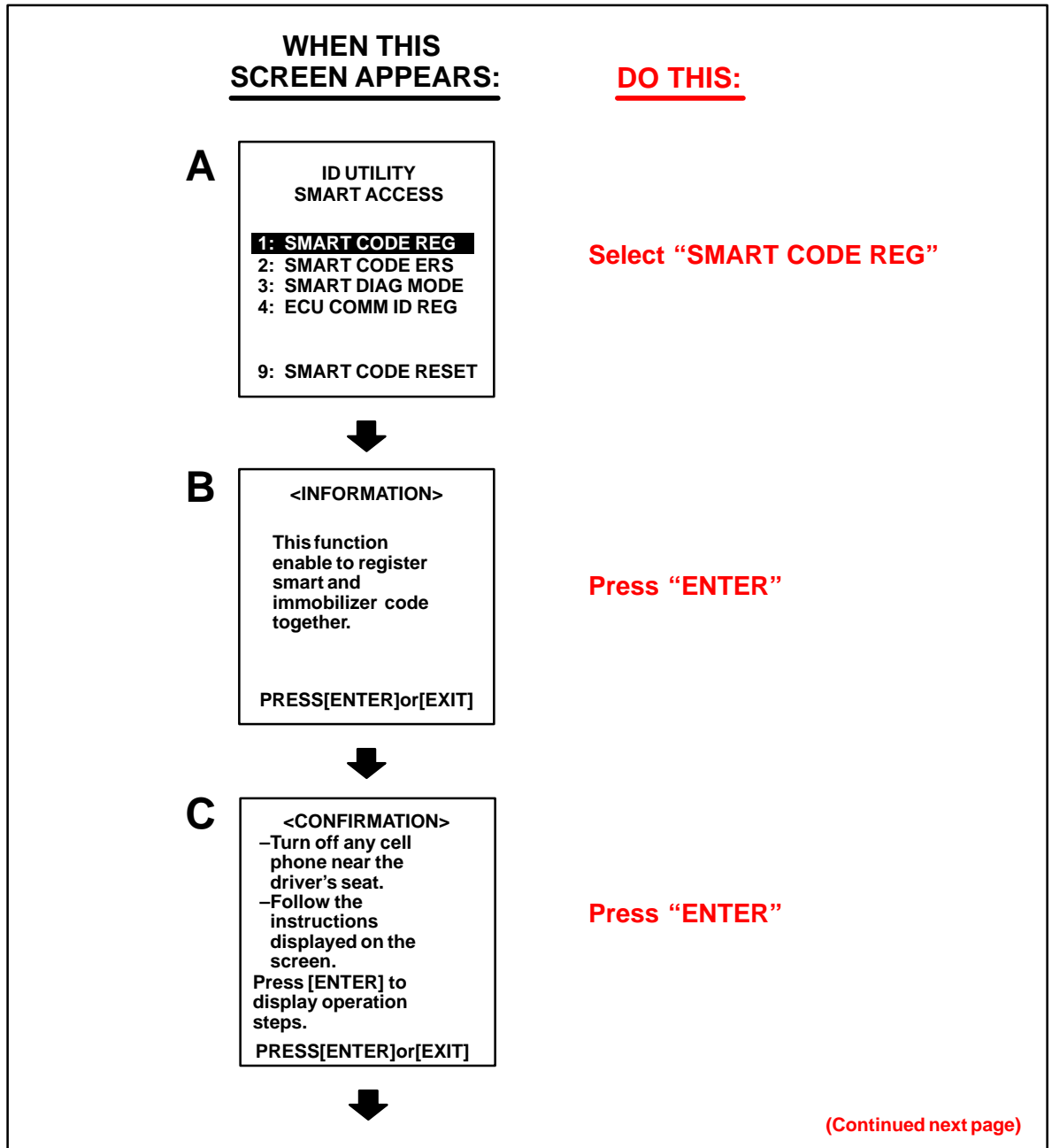
Press “ENTER”

Repair Procedure
(Continued)

5. Register the Smart and Immobilizer functions.

NOTE:

Once the reset is complete, the Diagnostic Tester will default to the ID Utility screen.



**Repair
Procedure**
(Continued)

(Continued from previous page)

**WHEN THIS
SCREEN APPEARS:**

D

<OPERATION STEPS>

- Touch the IG SW with the key to be registered.
- Set the key on the passenger's seat.
- Press [ENTER] to register the code.

PRESS[ENTER]or[EXIT]

DO THIS:

Press "ENTER"

NOTE:

This screen is displaying the necessary steps to register the new smart keys. The registration process will start once "ENTER" is pressed.

- Once you press "ENTER," a countdown will begin.
- Once the countdown begins, perform the following procedure:
 - Touch the ignition switch with the key to be registered.
 - Set that key on the passenger seat.
 - Press "ENTER".
- A confirmation buzzer will sound once the key is registered.
- If additional keys are needed, follow the Diagnostic Tester prompts. If NOT, press "ENTER".



E

****Now Registering****



F

<RESULT>

Smart and immobilizer
code registration is
complete
Do you want to register
another code?

PRESS[YES]or[NO]

Press "NO"