



**Technical Service
Information Bulletin**

June 24, 2004

Title:

**REPAIR MANUAL SUPPLEMENT:
SMART KEY REGISTRATION**

Models:

'04 – '06 LS 430

REVISSED
ELECTRICAL
EL003-04



TSIB REVISION NOTICE:

- December 9, 2005: 2005 and 2006 model years have been added to Applicable Vehicles. Diagnostic Tester software version has been updated to 13.2a. Previous versions of this TSIB should be discarded.

Introduction The following procedure should be used to add an additional Smart Key (Immobilizer and Smart/Wireless functions) to the 2004 – 2006 model year LS 430.

- Applicable Vehicles**
- 2004 – 2006 model year LS 430 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.

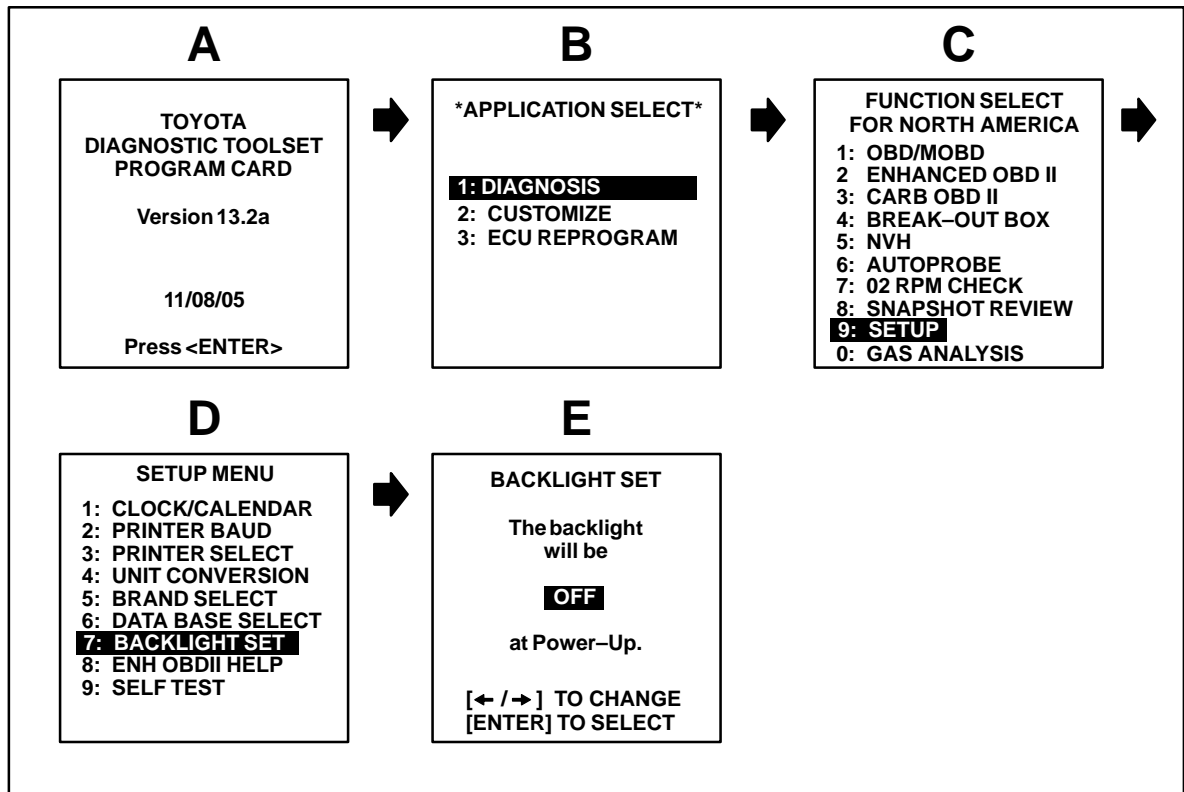
Warranty Information

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



Registration Procedure

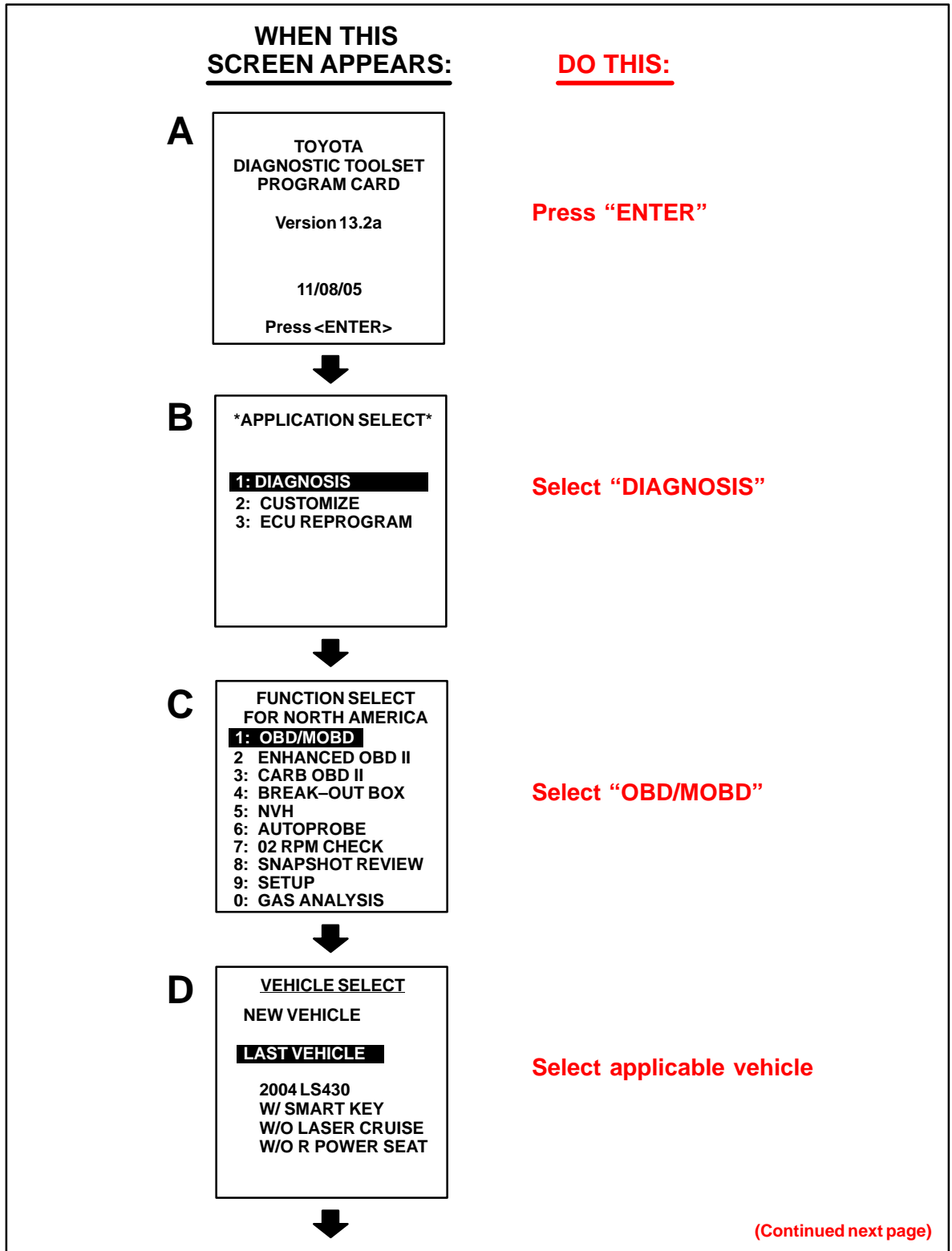
1. Make sure that the key is NEW (has never been registered to another vehicle) and verify that it is a Master Key (has a trunk button). Sub-keys will NOT have a trunk button and have NO Smart function.
2. Place the vehicle in an area that is free from radio frequency interference (i.e., away from any power lines, laser wheel alignment machines, etc.).
3. Turn off or remove from the vehicle interior any wireless communication devices (i.e., cell phones, text pagers, etc.) and all other non-factory electrical accessories.
4. Insert a **registered** Smart Key into the ignition.
5. Turn the ignition to the ON position, but do not start the engine.
6. Connect Diagnostic Tester to DLC3.
7. If the Diagnostic Tester backlighting is ON, use the screen flow below to turn it “OFF” to prevent possible signal interference. If backlighting is already OFF, proceed to step 8.
 - A. Turn the Diagnostic Tester power ON and follow the screen flow below.



- B. Turn the Diagnostic Tester power OFF and back ON.

**Registration
Procedure:
Immobilizer
Function**

8. Register the Immobilizer function.
 - A. 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.
 - B. Verify that a registered master key is in the key slot and the ignition is ON.



Registration Procedure: Immobilizer Function
(Continued)

(Continued from previous page)

WHEN THIS SCREEN APPEARS:

DO THIS:

E

OBD/MOBD MENU ↑↓

- 1: ABS / VSC
- 2: CCS
- 3: AIR CONDITIONER
- 4: IMMOBILISER**
- 5: SRS AIRBAG
- 6: GATEWAY
- 7: BODY NO.2
- 8: BODY NO.3
- 9: BODY NO.4

Select **“IMMOBILISER”**



F

DIAGNOSTIC MENU
IMMOBILISER

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

Select **“ID UTILITY”**



G

ID UTILITY
IMMOBILISER

- 1: IMMOB CODE REG**
- 2: IMMOB CODE ERS
- 3: ECU COMM ID REG
- 9: IMMOB CODE RESET

Select **“IMMOB CODE REG”**

NOTE:

If “Remaining Time” expires before completion of any step, please reattempt entire procedure from screen “G.”



H

THIS FUNCTION WILL REGISTER THE IMMOBILISER CODE.

Do you wish to continue the registration?

PRESS [YES] or [NO]

Press **“YES”**



(Continued next page)

Registration Procedure: Immobilizer Function
(Continued)

(Continued from previous page)

WHEN THIS SCREEN APPEARS:

DO THIS:

I

Please remove the Master Key from the IG cylinder, insert it again, and turn the IG ON within 120 seconds. Then press [ENTER]

Remaining Time:
[116] Sec.

- (Within 120 seconds)
- Turn the ignition OFF
 - Remove the registered key from the key cylinder
 - Reinsert the registered key
 - Turn the ignition to ON
 - Press “ENTER”



J

Please remove the Master Key from the IG cylinder within 20 seconds. Then press [ENTER]

Remaining Time:
[16] Sec.

- (Within 20 seconds)
- Turn the ignition OFF
 - Remove the Registered key from the key cylinder
 - Press “ENTER”



K

Please insert the New Key into the IG cylinder within 10 seconds. Then press [ENTER].

DO NOT TURN IG ON

Remaining Time:
[8] Sec.

- (Within 10 seconds)
- Insert the NEW KEY into the key cylinder
 - DO NOT turn the ignition ON
 - Press “ENTER”



L

****NOW REGISTERING****

Please wait.

[15] SECONDS

No action required



(Continued next page)

Registration
Procedure:
Immobilizer
Function
(Continued)

(Continued from previous page)

**WHEN THIS
SCREEN APPEARS:**

M

THE
IMMOBILISER CODE
WAS REGISTERED
CORRECTLY.

PRESS [ENTER]



N

Please insert a
Master Key and
turn the IG to
ON.

If the ignition
is already ON,
please turn it
OFF and back to
ON.

PRESS [ENTER]



O

<RESULT>
Code
registration was
successful.

Do you wish to
register another
Code?

PRESS [YES] or [NO]

DO THIS:

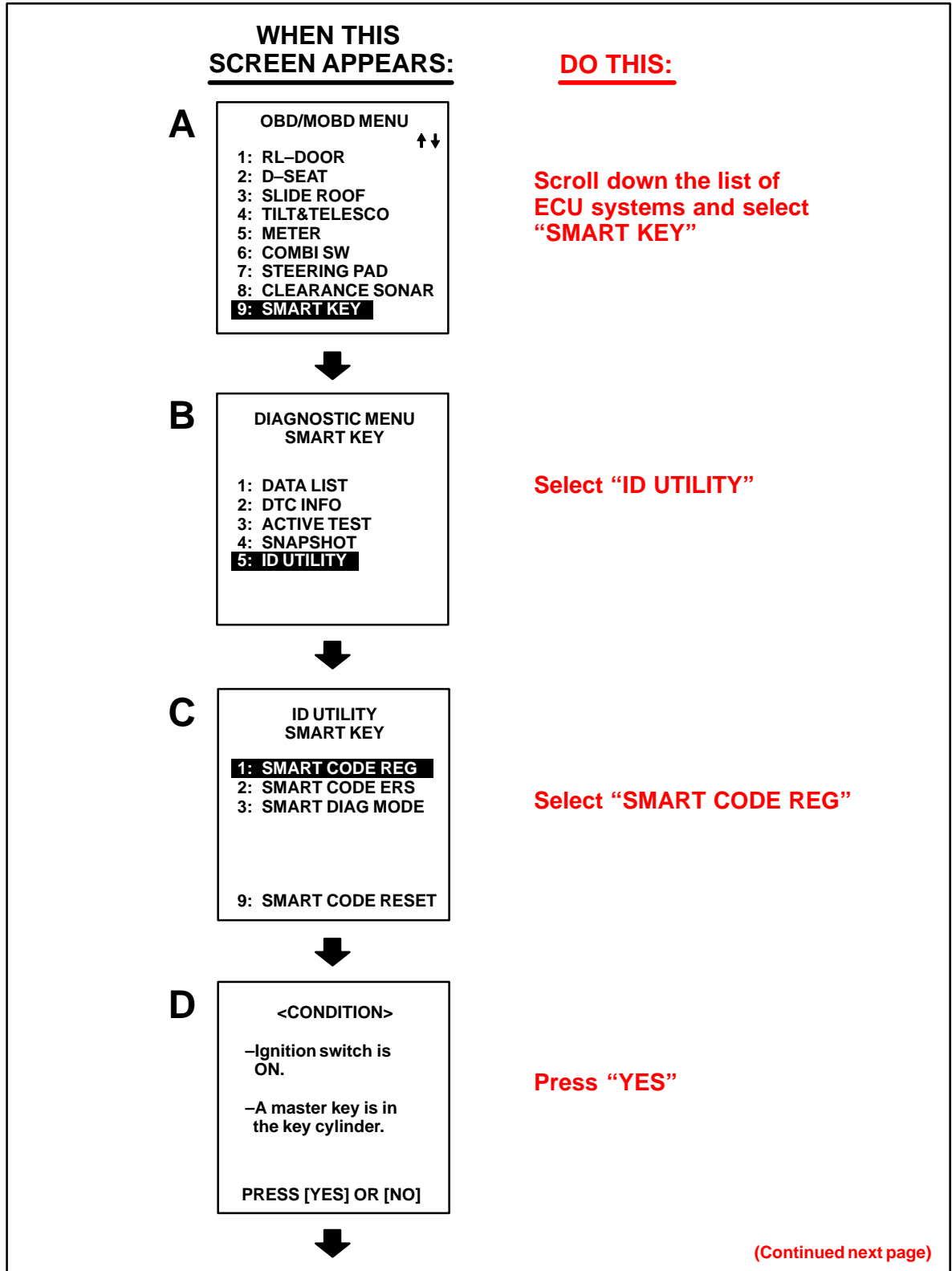
- Wait for this screen to appear.
- Press "ENTER"
- Remove the new key from the key slot
- Reinsert the ORIGINAL key into the key slot

- Turn the ignition ON
- Press "ENTER"

**Immobilizer Registration
is complete**

**Registration Procedure:
Smart Key/
Wireless
Function**

9. Register the Smart Key / Wireless function.
 - A. From the Immobilizer ID Utility menu (above), **Press the Diagnostic Tester “EXIT” button twice** to bring up the OBD/MOBD Menu.
 - B. Follow the screen prints below.



Registration Procedure:
Smart Key/
Wireless Function
(Continued)

(Continued from previous page)

WHEN THIS SCREEN APPEARS:

E

<INFORMATION>

1. Maximum number of registered codes.
MASTER: [5]
SUB: [3]
2. Current number of registered codes.
MASTER: [1]
SUB: [0]

PRESS [ENTER]



F

<CONFIRMATION>

- Please prepare the master key which has been registered
- Press one of the buttons on the master key within 30 seconds.

Remaining Time:
[19]seconds



(If everything is correct to this point, the next screen will appear automatically)

G

Please execute the following operation with a key which registers SMART CODE.

PRESS [ENTER]



DO THIS:

NOTE:

If "Remaining Time" expires before completion of any step, please reattempt entire procedure from screen "C" on page 7.

If less than 5 master codes are registered, press "ENTER"

(Within 30 seconds)

Depress any button on the registered key (in the ignition) and release.

DO NOT turn the ignition switch

Press "ENTER"

(Continued next page)

Registration Procedure:
Smart Key/
Wireless Function
(Continued)

(Continued from previous page)

WHEN THIS SCREEN APPEARS:

DO THIS:

H

Please complete the following operation within 30 seconds.
–Press [ENTER].
–Hold both UNLOCK and LOCK for one second.
–Within 3 seconds, press any button on the key.
Remaining Time:
[27] seconds

(Within 30 seconds)

Press “ENTER”

- a. Place the Diagnostic Tester on the passenger seat.
- b. Hold the new (unregistered) key in front of the center of the steering wheel at approximately mid–chest level.
- c. Depress both the Lock and Unlock Buttons simultaneously for 1 second and release.
- d. Depress the unlock button and release.
- e. Wait for response from vehicle (double chirp).

NOTE:

Registration may take up to 5 seconds. Pressing any other buttons or pressing “UNLOCK” again between steps “c” and “d” may cause the process to fail, or cause Wireless to work, but NOT Smart function.



I

ID REGISTRATION
NOW REGISTERING
Please perform the button operation from the previous screen.
Remaining Time:
[6] seconds
[EXIT] to abort.

No action required



J

<RESULT>
Registration was completed.
If Immobiliser code is not registered, please execute IMMOB CODE REG.
Do you want to register another Code?
PRESS [YES] or [NO]

If additional keys are to be registered, press “YES”



END

10. Confirm that Wireless and Smart functions are working properly.