



**Technical Service  
BULLETIN**

June 29, 2004

Title:

**REPAIR MANUAL SUPPLEMENT:  
SMART KEY REGISTRATION**

Models:

'04 – '05 Prius

REVISÉD  
EL008-04  
ELECTRICAL

**TSB REVISION NOTICE:**

- **November 2, 2005: 2005 model year has been added to Applicable Vehicles. Diagnostic Tester screen flow has been updated on pages 4 – 10. Required SSTs section has been updated.**

**The previous TSB should be discarded.**

**Introduction** The following procedure should be used to add an additional Smart Key (Immobilizer and Smart/Wireless functions) to the 2004 and 2005 model year Prius.

- Applicable Vehicles**
- **2004 – 2005 model year Prius** vehicles.

**Required SSTs**

ITEM NO.	SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QTY	DRW**
1	<b>Toyota Diagnostic Tester Kit*</b> NOTE: <ul style="list-style-type: none"> <li>• All components from this kit/set are required</li> <li>• 12 Megabyte Diagnostic Tester Program Card (P/N 01002593–005) with version 13.0a Software (or later) is required</li> </ul> 	TOY220036	1	9
2	<b>CAN Interface Module Kit*</b> NOTE: <ul style="list-style-type: none"> <li>• All components from this kit/set are required</li> </ul> 	01002744	1	9

\* 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.**

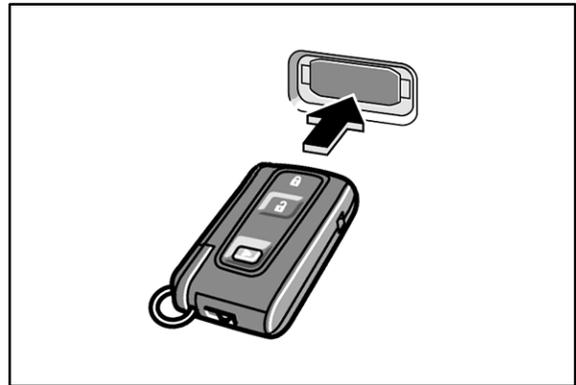
**Warranty Information**

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



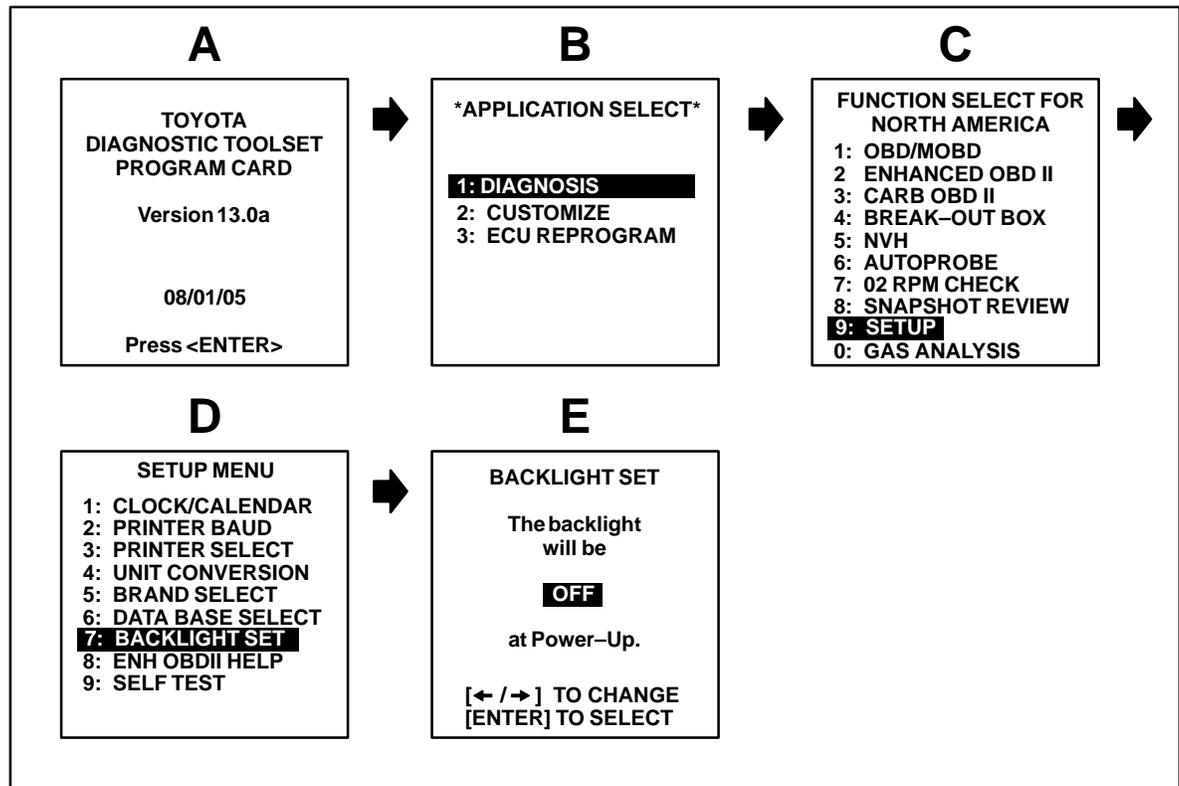
**Registration Procedure**

1. Make sure that the key to be registered has a silver Toyota logo and has never been registered to another vehicle.
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 key slot with the **buttons facing up**.
5. With your foot **OFF** of the brake pedal, cycle the vehicle Power button 2 times.
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.

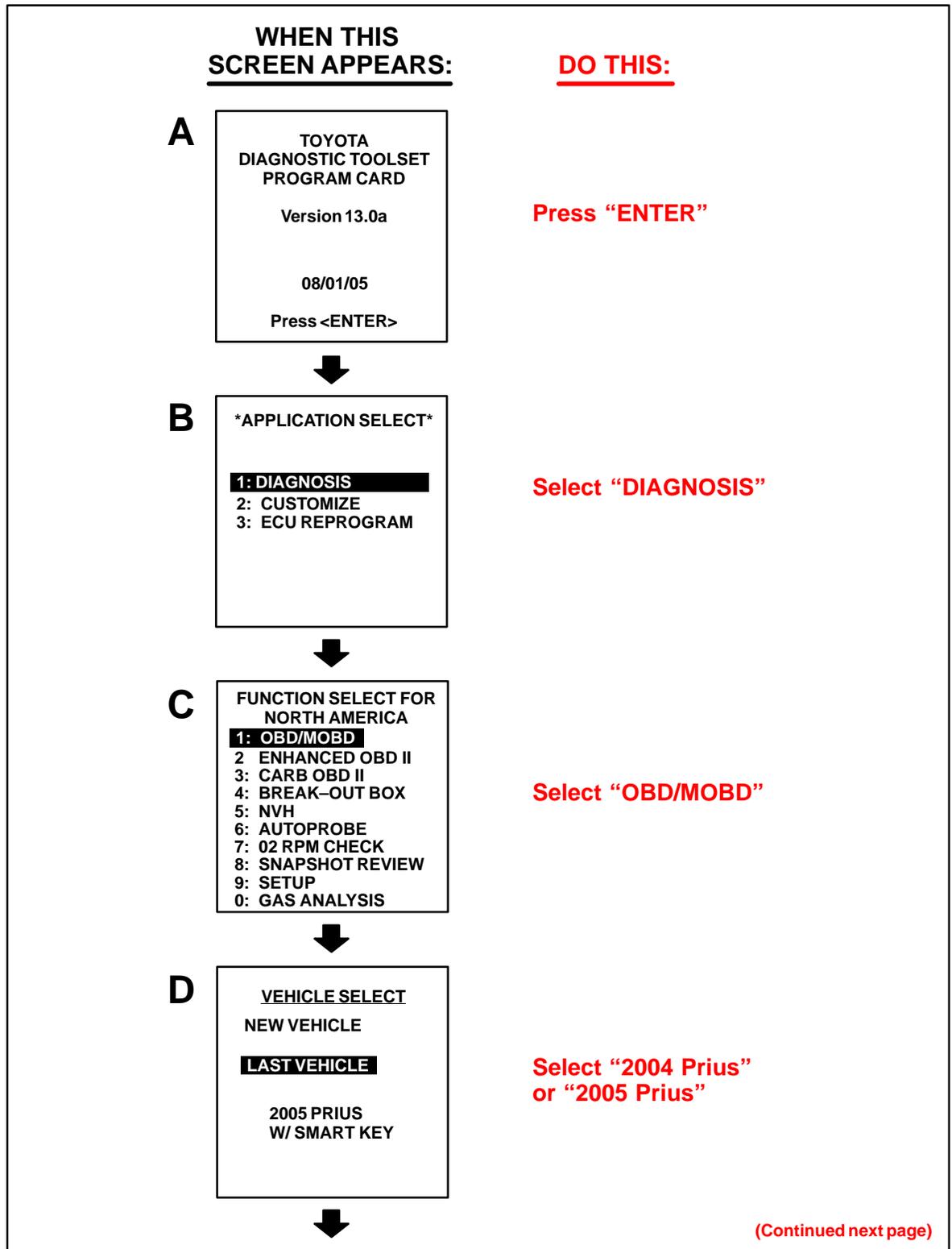
A. Turn the Diagnostic Tester power ON and follow the screen flow below.



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 programmed 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: CODES (ALL)
- 2: CAN BUS CHECK
- 3: ENGINE AND ECT
- 4: T/M CONTROL
- 5: ABS / VSC
- 6: EMPS
- 7: CCS
- 8: AIR CONDITIONER
- 9: IMMOBILISER**

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**

<CONFIRM>

-Driver's door is open.

DO NOT CLOSE THE DOOR DURING RESET PROCEDURE.

PRESS [ENTER]

Press "ENTER"



(Continued next page)

**Registration  
Procedure:  
Immobilizer  
Function**  
(Continued)

(Continued from previous page)

**WHEN THIS  
SCREEN APPEARS:**

**DO THIS:**

**I**

THIS FUNCTION WILL REGISTER THE IMMOBILIZER CODE.

Do you wish to continue the registration?

PRESS [YES] or [NO]

Press "YES"



**J**

Please remove the registered key from the key slot, insert it again, and push the Power Switch twice within 120 seconds. Then press [ENTER]

Remaining Time: [111] Sec.

(Within 120 seconds)

- Push the vehicle's POWER button to turn the car OFF
- Remove the key from the key slot
- Reinsert the key
- With your foot OFF of the brake pedal, push the vehicle's POWER button twice
- Press "ENTER"



**K**

Please remove the registered key from the key slot within 20 seconds. Then press [ENTER]

Remaining Time: [19] Sec.

(Within 20 seconds)

- Push the vehicle's POWER button to turn the car OFF
- Remove the Registered key from the ignition
- Press "ENTER"



**L**

Please insert the new key into the key slot within 10 seconds. Then press [ENTER] immediately. DO NOT PRESS THE POWER SWITCH.

Remaining Time: [ 9] Sec.

(Within 10 seconds)

- Insert the NEW KEY into the key slot
- Press "ENTER"



(Continued next page)

**Registration Procedure:  
Immobilizer Function**  
(Continued)

(Continued from previous page)

**WHEN THIS SCREEN APPEARS:**

**DO THIS:**

**M**

**\*\*NOW REGISTERING\*\***  
  
Please wait.  
  
[12] SECONDS

**No action required**



**N**

THE  
IMMOBILIZER CODE  
WAS REGISTERED  
CORRECTLY.  
  
PRESS [ENTER]

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



**O**

Confirm that a registered key is in the key slot and push the power switch twice.  
  
PRESS [ENTER]

- With your foot off of the brake pedal, push the POWER button twice to turn the ignition ON
- Press "ENTER"



**P**

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

**Immobilizer Registration is complete**



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>

- This procedure must be performed with a registered key.
- Press the power switch once and remove registered key from the key slot.

PRESS [ENTER]



**G**

<CONFIRMATION>

- Press the unlock button on the registered key within 30 seconds.

Remaining Time:  
[27]seconds



**H**

Perform the following procedure using a key which has NOT been registered.

PRESS [ENTER]



**DO THIS:**

**NOTE:**

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

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

- Push the vehicle's POWER button to turn the car OFF
- Remove the Registered key from the key slot
- Press "ENTER"

(Within 30 seconds)

- Press the Unlock button on the Registered key

Press "ENTER"

(Continued next page)

**Registration  
Procedure:  
Smart Key/  
Wireless  
Function**  
(Continued)

(Continued from previous page)

**WHEN THIS  
SCREEN APPEARS:**

**DO THIS:**

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

**I**

Within 30 seconds:  
 –Hold both unlock and lock buttons on the key for one second.  
 –Within 3 seconds, press the unlock button on the key.  
  
 Remaining Time:  
 [ 5] seconds

**(Within 30 seconds)**

- 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.



**J**

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

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



**END**