

# Techstream Smart Key Programming

Service  
 Category Vehicle Interior

Section Theft Deterrent/Keyless Entry

Market USA

Toyota Supports  
 ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2016	Yaris SD MEX-Prod	

## Introduction

The Yaris SD is equipped with Smart Start and Remote Keyless Entry. This bulletin details the Techstream key programming process. Please follow the key programming procedures outlined in this bulletin for the following:

- Smart ECU Replacement
- Engine ECU (PCM) Replacement
- Key erase procedure
- Adding a Key
- All Keys are lost, how to turn the IG-ON

### NOTE

This bulletin is for Puerto Rico ONLY.

## Warranty Information

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

## Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream 2.0*	ADE	TS2UNIT	1
Techstream Lite		TSLITEPDLR01	
Techstream Lite (Green Cable)		TSLP2DLR01	

\* Essential SST.

### NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 11.00.017 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

## Techstream Smart Key Programming

### Repair Procedure

#### NOTICE

- The engine cannot be started if any step or procedure for each service operation is skipped. Perform all procedures in order.
- If any metallic or magnetic object is near the key, communication between the key and vehicle may be obstructed, resulting in a failure to program the immobilizer system.
- Remove all devices that can send/receive radio waves from the vehicle; including cell phones and laptops (Techstream included).
- Do not start the engine unless instructed to do so during the process. If the engine is started during immobilizer system programming, the programming mode is canceled.
- Keep all keys away from the vehicle during programming unless otherwise instructed.

#### NOTE

- 2 (two) or more keys must be programmed for the engine to start.
- A maximum of 6 (six) keys can be programmed to 1 vehicle.
- The number of programmed keys can be verified by Techstream.
- Techstream MUST be connected to the network for each process outlined in this bulletin.

TECHSTREAM UTILITY	WHEN TO USE	PROCEDURE
Forced IG-ON	<ul style="list-style-type: none"> <li>• All keys are lost, and IG has to be ON to enter Smart Key Utility</li> </ul>	A (See Page 3)
Smart Parameter Reset	<ul style="list-style-type: none"> <li>• Needed if you replace the Smart ECU</li> <li>• Needed if you replace the PCM</li> </ul>	B (See Page 7)
Smart Key Erase and Registration	<p>If one or all keys are lost, or they are stolen, use this utility to erase all the codes and register new keys.</p> <p>Once you do this, any key not present will no longer work and will have to be programmed.</p>	C (See Page 15)
Register Additional Smart Key	<ul style="list-style-type: none"> <li>• Needed if you want to add one key.</li> <li>• Need to have at least one key to do this utility</li> </ul>	D (See Page 25)

#### NOTE

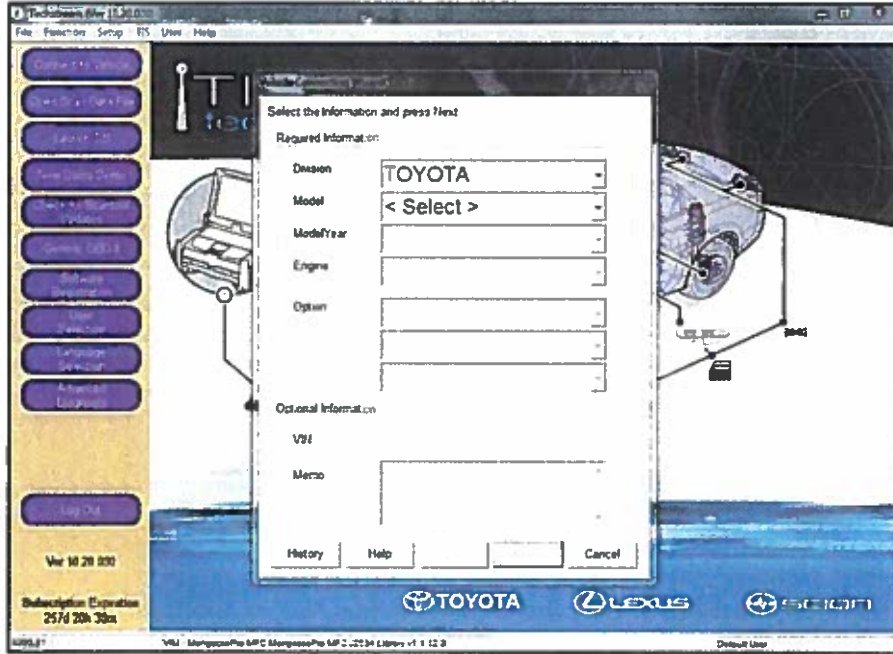
- Please refer to [T-SB-0043-14](#) "Immobilizer and Smart Key Reset" for the security authorization process.
- Procedures B, C, and D require a Seed Number and Passcode.

# Techstream Smart Key Programming

## Procedure A – Forced IG-ON

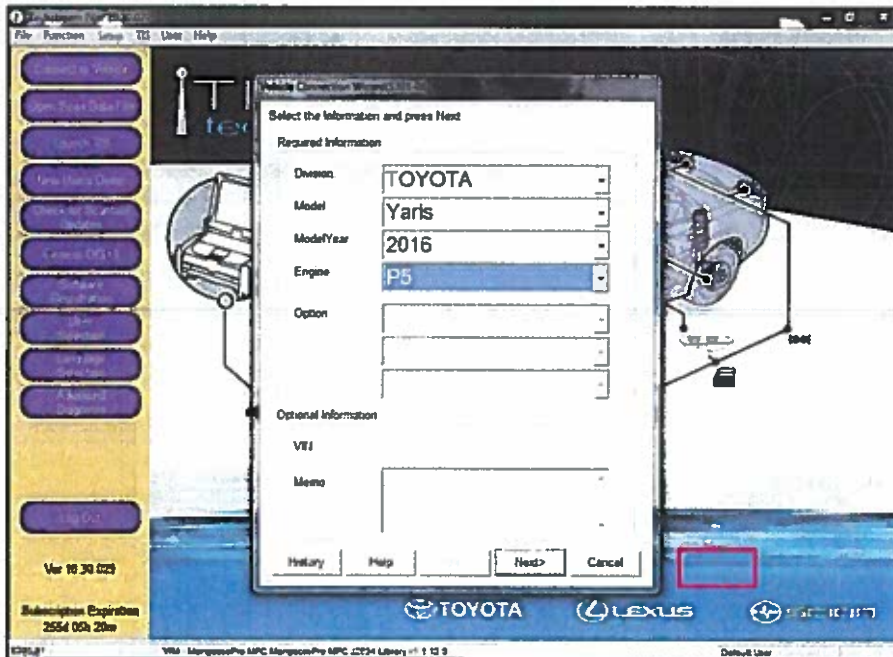
1. Connect Techstream to the vehicle.

Figure 1.



2. Choose Toyota, Yaris, 2016, P5 and press Next.

Figure 2.

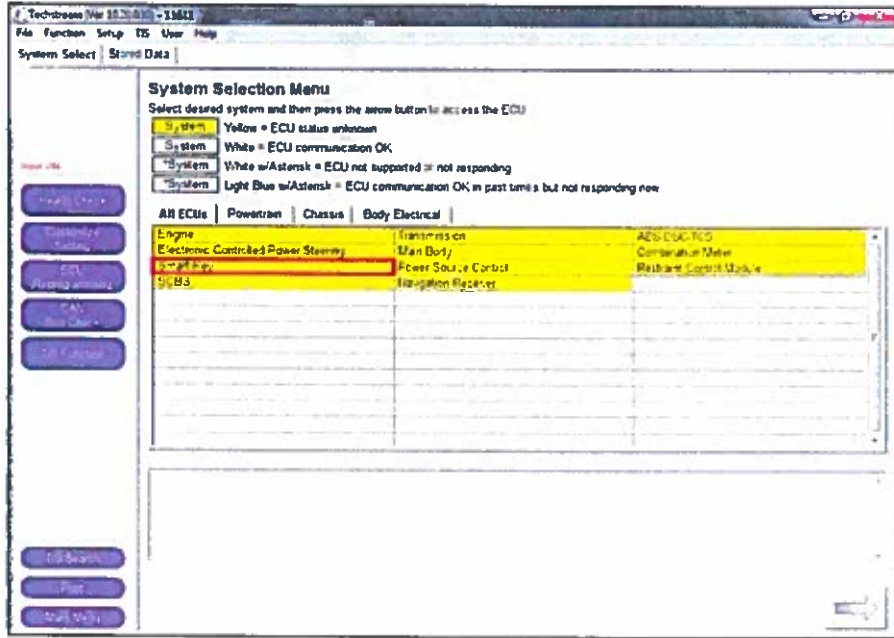


# Techstream Smart Key Programming

## Procedure A – Forced IG-ON (Continued)

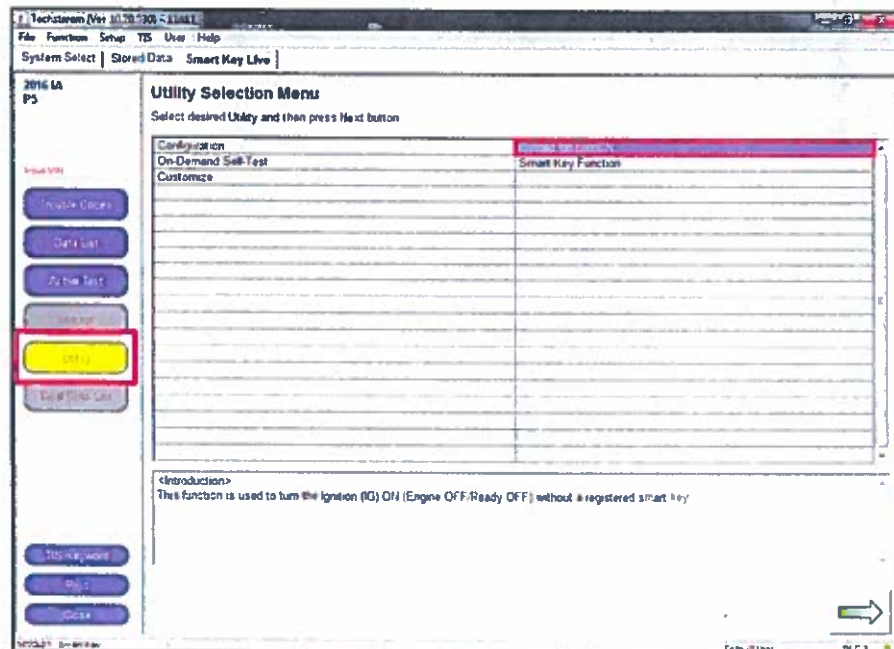
3. Select *Smart Key* from the System Selection Menu.

Figure 3.



4. From the Utility Selection Menu, select *Utility* from the Left Menu and then select *Forced Ignition ON*.

Figure 4.



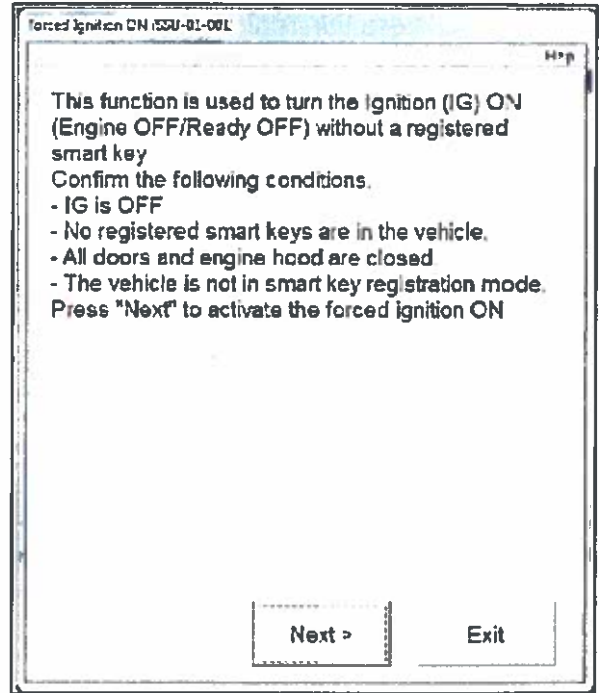
## Techstream Smart Key Programming

### Procedure A – Forced IG-ON (Continued)

5. The Forced Ignition ON Utility will begin.

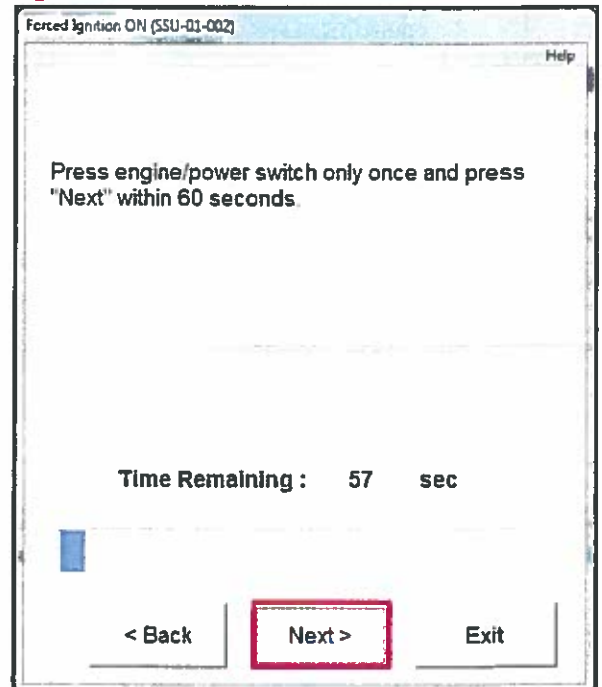
Please follow the prompts on the screens.

**Figure 5.**



6. Press the engine/power switch once and press *Next* within 60 seconds.

**Figure 6.**





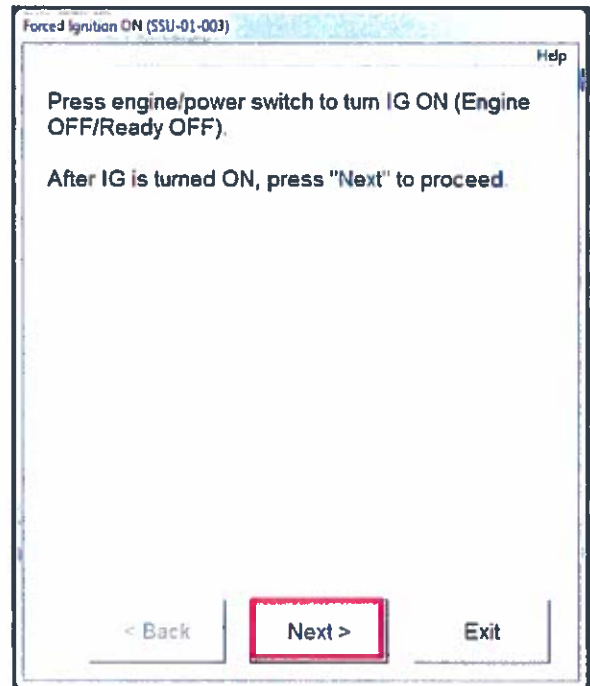
## Techstream Smart Key Programming

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### Procedure A – Forced IG-ON (Continued)

7. Press the engine/power switch to turn the IG ON (Engine Off/Ready OFF). Once the ignition is turned on, press *Next* to proceed.

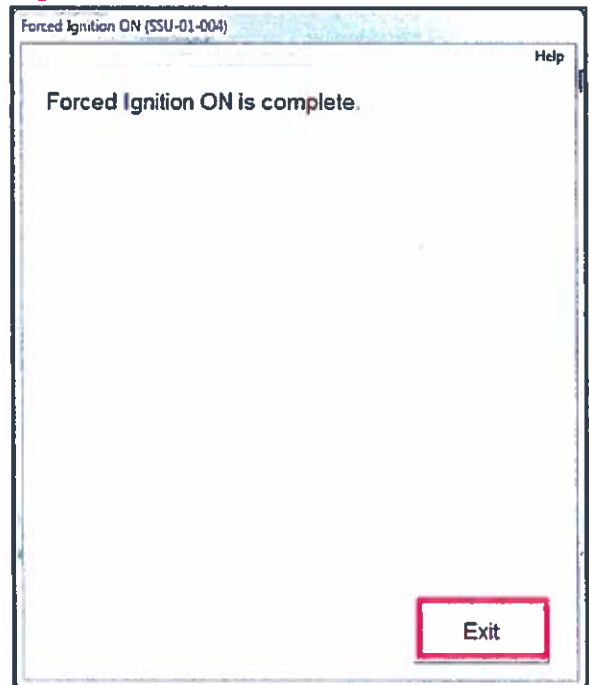
**Figure 7.**



8. Forced Ignition ON is complete. Once pressing *Exit*, you will be returned to the Utility Selection Menu.

Proceed to Procedure C.

**Figure 8.**

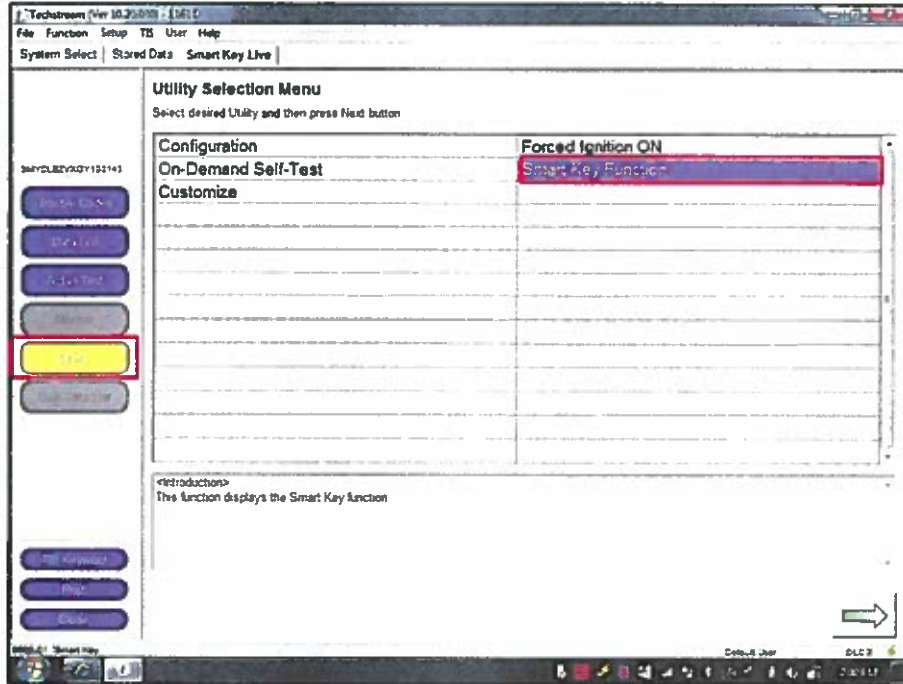


# Techstream Smart Key Programming

## Procedure B – Smart Parameter Reset

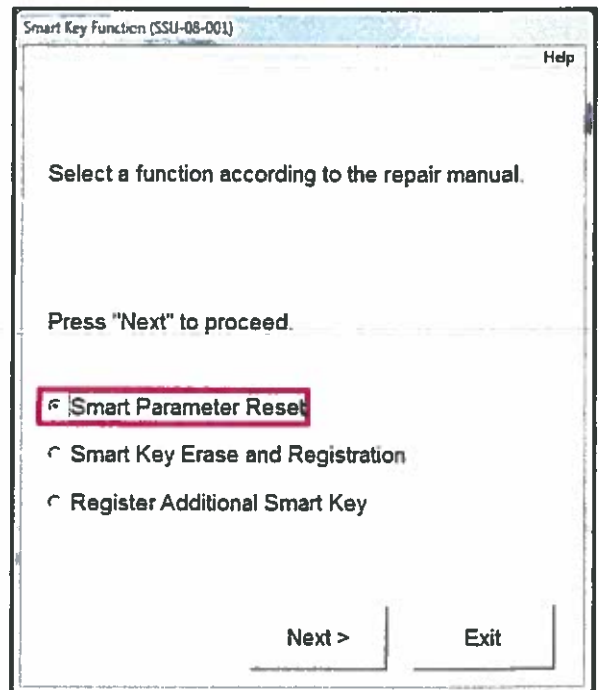
1. Select *Smart Key Function*.

Figure 9.



2. Select *Smart Parameter Reset*.

Figure 10.

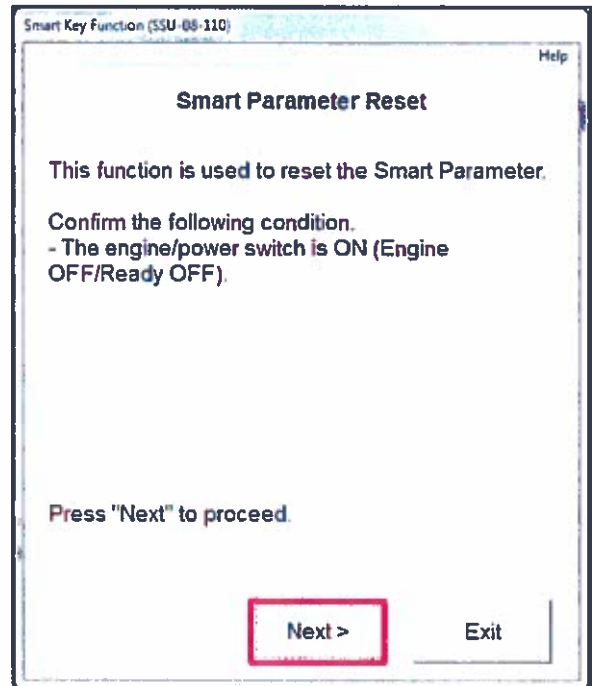


## Techstream Smart Key Programming

### Procedure B – Smart Parameter Reset (Continued)

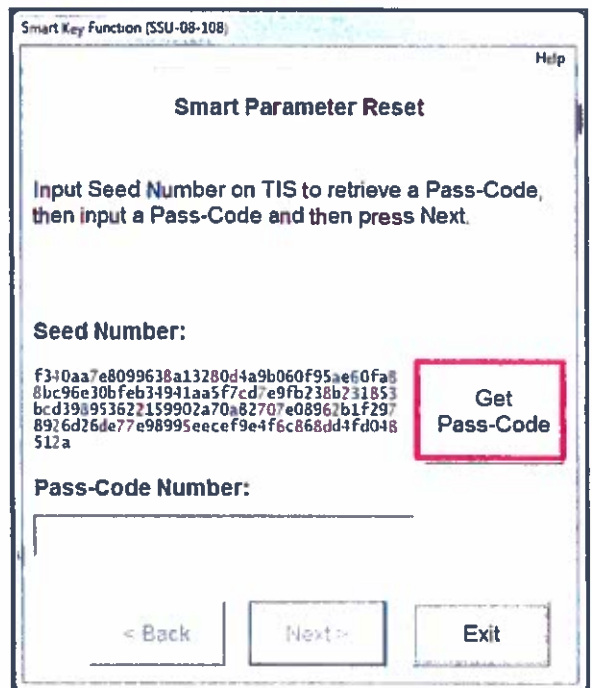
5. Confirm the engine/power switch is ON (Engine OFF/Ready OFF).

**Figure 11.**



6. Techstream will generate a Seed Number. Click *Get Pass-Code*.

**Figure 12.**





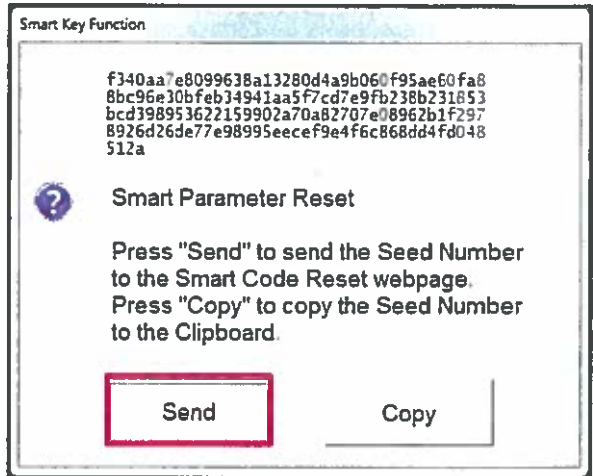
# Techstream Smart Key Programming

## Procedure B – Smart Parameter Reset (Continued)

- Click *Send* to connect to TIS.

**NOTE**  
 Please refer to [T-SB-0043-14](#) "Immobilizer and Smart Key Reset" for the security authorization process.

**Figure 13.**



- Log into TIS.
- Enter your password.

**Figure 14.**



## Techstream Smart Key Programming

### Procedure B – Smart Parameter Reset (Continued)

10. Ensure the information is correctly populated and/or copied into the VIN, Repair Order/Parts Invoice Number, Customer Last Name, Techstream Software Version, and Seed Number sections and click *Next*.

Figure 15.

**Key Code Reset**

Please complete the following fields to receive a passcode.

Request No:  
 Dealer Code:  
 Dealer Name:  
 Technician Name:

Vehicle VIN:  
 Repair Order/Parts Invoice Number:  
 Customer Last Name:  
 \*Techstream Software Version:   
 \*Seed Number (from scan tool):

**Positive Identification Policy**

I have verified the customer's authority to obtain vehicle security information for this vehicle.  
 I have verified the customer's full legal name and confirmed their identity with a valid picture ID.  
 I have or will visually confirm the vehicle's registration document and ownership.  
 I agree to the Terms and Conditions.

**Note:** Details of this transaction will be included in the Monthly Vehicle Security Transaction Report sent to the Dealer GM. Also, a log of each transaction is sent to the National Insurance Crime Bureau.

(\* - Indicates Required Field(s))

**Request Status for Request No: 14063000028**

Request Status: Approved  
 Manager:

Request Time:   
 Approval Valid Till:

# Techstream Smart Key Programming

## Procedure B – Smart Parameter Reset (Continued)

11. The Pass-Code will be provided as shown. Copy the Passcode.

Figure 16.

**Key Code Reset**

**Request Details**

Request No:  
 Dealer Code:  
 Dealer Name:  
 Technician Name:  
 Vehicle VIN:  
 Repair Order/Parts Invoice Number:  
 Customer Last Name:  
 Techstream Software Version:

**Positive Identification Policy**

I have verified the customer's authority to obtain vehicle security information for this vehicle.  
 I have verified the customer's full legal name and confirmed their identity with a valid picture ID.  
 I have or will visually confirm the vehicle's registration document and ownership.  
 I agree to the TIS Terms and Conditions.

**Request Approval Policy**

I have verified the details entered for this request and confirmed the authority of the customer was verified.  
 I realize that upon retrieval, a transaction log will be posted to the National Insurance Crime Bureau.  
 I agree to the TIS Terms and Conditions.

Thank You [redacted] Your Immobilizer Passcode **FD74DC9A22A8884D**

Click the button below to return to the Immobilizer Reset home Page.

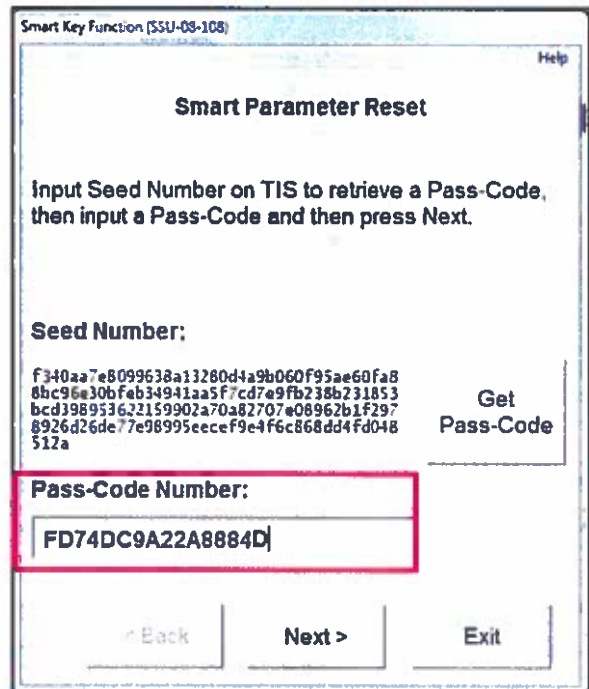
[Immobilizer Reset Home](#)

## Techstream Smart Key Programming

### Procedure B – Smart Parameter Reset (Continued)

- Paste the Passcode Number back into Techstream as shown below.

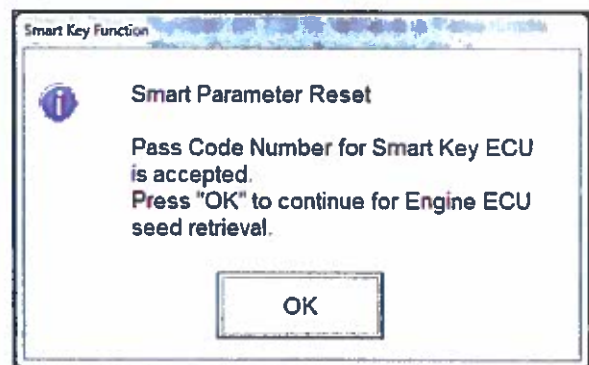
**Figure 17.**



- The Smart Parameter Reset for the Smart Key ECU is now complete.

After clicking **OK**, you will be returned to the "Get-Passcode" screen to retrieve a pass-code for the Engine ECU.

**Figure 18.**



# Techstream Smart Key Programming

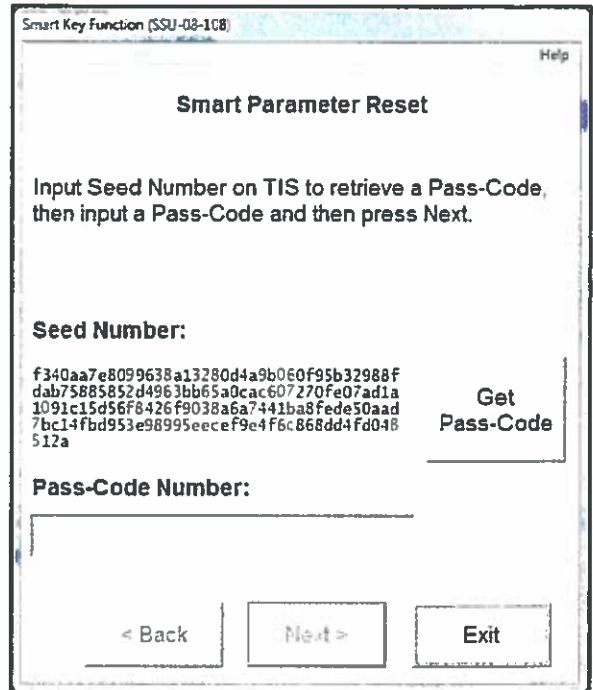
## Procedure B – Smart Parameter Reset (Continued)

14. Complete the Smart Parameter Reset for the Engine ECU.

Repeat steps 4 – 10 to retrieve a 2<sup>nd</sup> passcode for the Engine ECU.

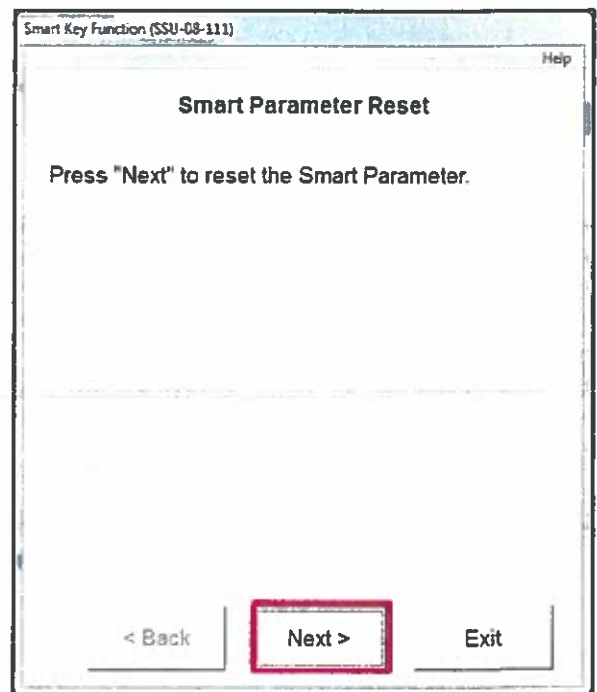
**NOTE**  
You MUST retrieve a 2<sup>nd</sup> passcode.

Figure 19.



15. Click *Next* to reset the Smart Parameter.

Figure 20.



## Techstream Smart Key Programming

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### Procedure B – Smart Parameter Reset (Continued)

16. The Smart Parameter Reset is now complete.

Turn the engine/power switch OFF and ON (Engine OFF/Ready OFF) and click *Exit*.

**NOTE**

If you have replaced both the Engine ECU (PCM) AND the Smart ECU, you must proceed to Procedure C.

**Figure 21.**



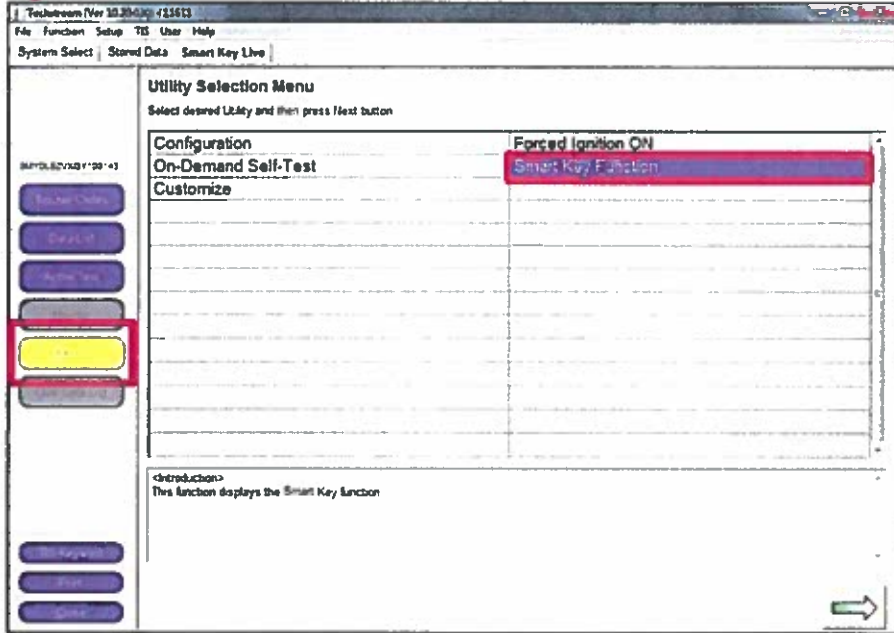


# Techstream Smart Key Programming

## Procedure C – Smart Key Erase and Registration

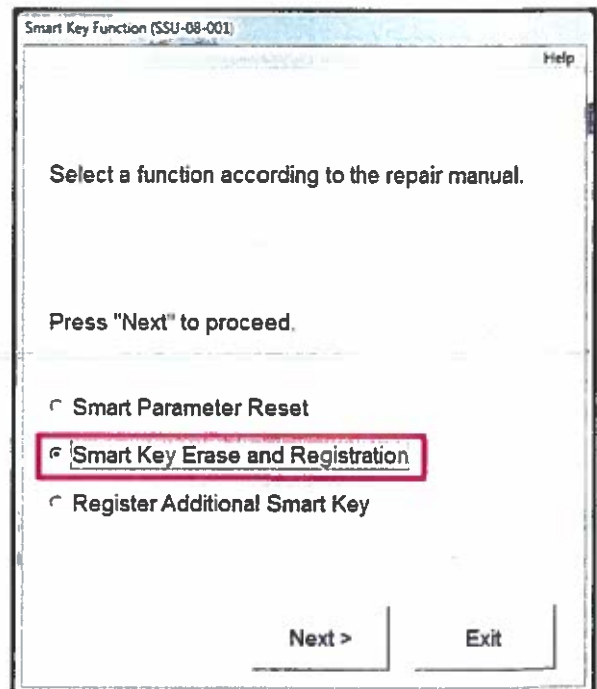
1. Select *Smart Key Function*.

**Figure 22.**



2. Select *Smart Key Erase and Registration* and press *Next*.

**Figure 23.**



## Techstream Smart Key Programming

### Procedure C – Smart Key Erase and Registration (Continued)

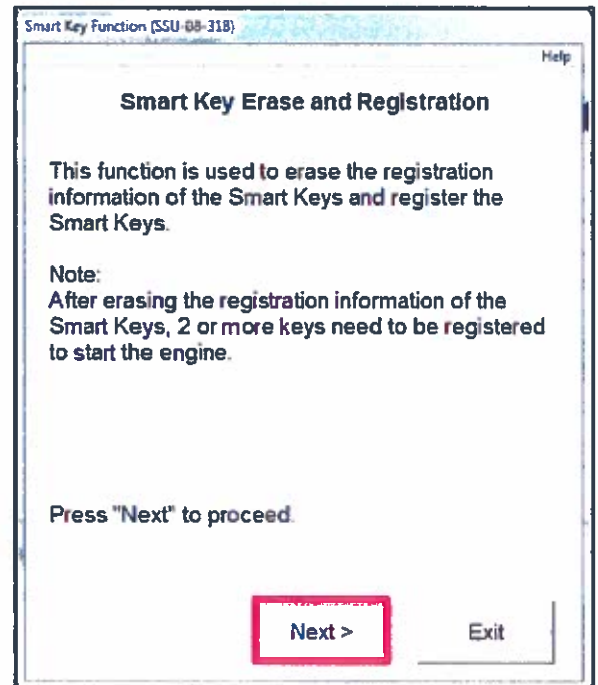
- You have now entered the Smart Key Erase and Registration Utility.

**NOTE**

After erasing the registration information of the Smart Keys, 2 or more keys need to be registered to start the engine.

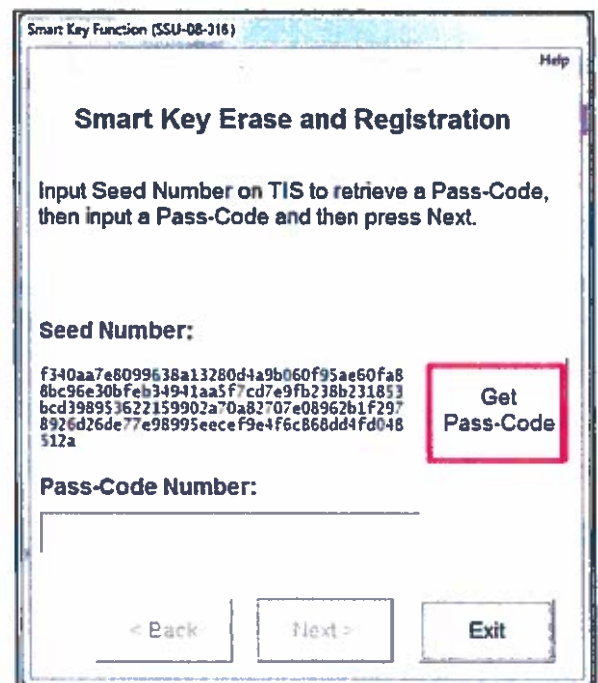
Press *Next*.

**Figure 24.**



- Techstream will generate a Seed Number. Click *Get Pass-Code*.

**Figure 25.**



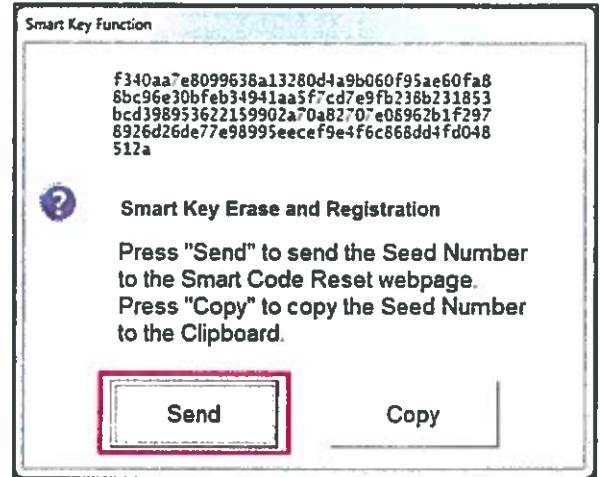
# Techstream Smart Key Programming

## Procedure C – Smart Key Erase and Registration (Continued)

- Click *Send* to connect to TIS.

**NOTE**  
 Please refer to [T-SB-0043-14](#) "Immobilizer and Smart Key Reset" for the security authorization process.

**Figure 26.**



- Log into TIS.
- Enter your password.

**Figure 27.**



## Techstream Smart Key Programming

### Procedure C – Smart Key Erase and Registration (Continued)

8. Ensure the information is correctly populated and/or copied into the VIN, Repair Order/Parts Invoice Number, Customer Last Name, Techstream Software Version, and Seed Number sections and click *Next*.

**Figure 28.**

**Key Code Reset**

Please complete the following fields to receive a passcode.

Request No:  
 Dealer Code:  
 Dealer Name:  
 Technician Name:

Vehicle VIN:  
 Repair Order/Parts Invoice Number:  
 Customer Last Name:  
 Techstream Software Version:   
 Seed Number (from scan tool):

**Positive Identification Policy**

I have verified the customer's authority to obtain vehicle security information for this vehicle.  
 I have verified the customer's full legal name and confirmed their identity with a valid picture ID.  
 I have or will visually confirm the vehicle's registration document and ownership.  
 I agree to the Terms and Conditions.

**Note:** Details of this transaction will be included in the Monthly Vehicle Security Transaction Report sent to the Dealer GM. Also, a log of each transaction is sent to the National Insurance Crime Bureau.

(\* - Indicates Required Field(s))

**Request Status for Request No: 14063000028**  
 Request Status: Approved  
 Manager:

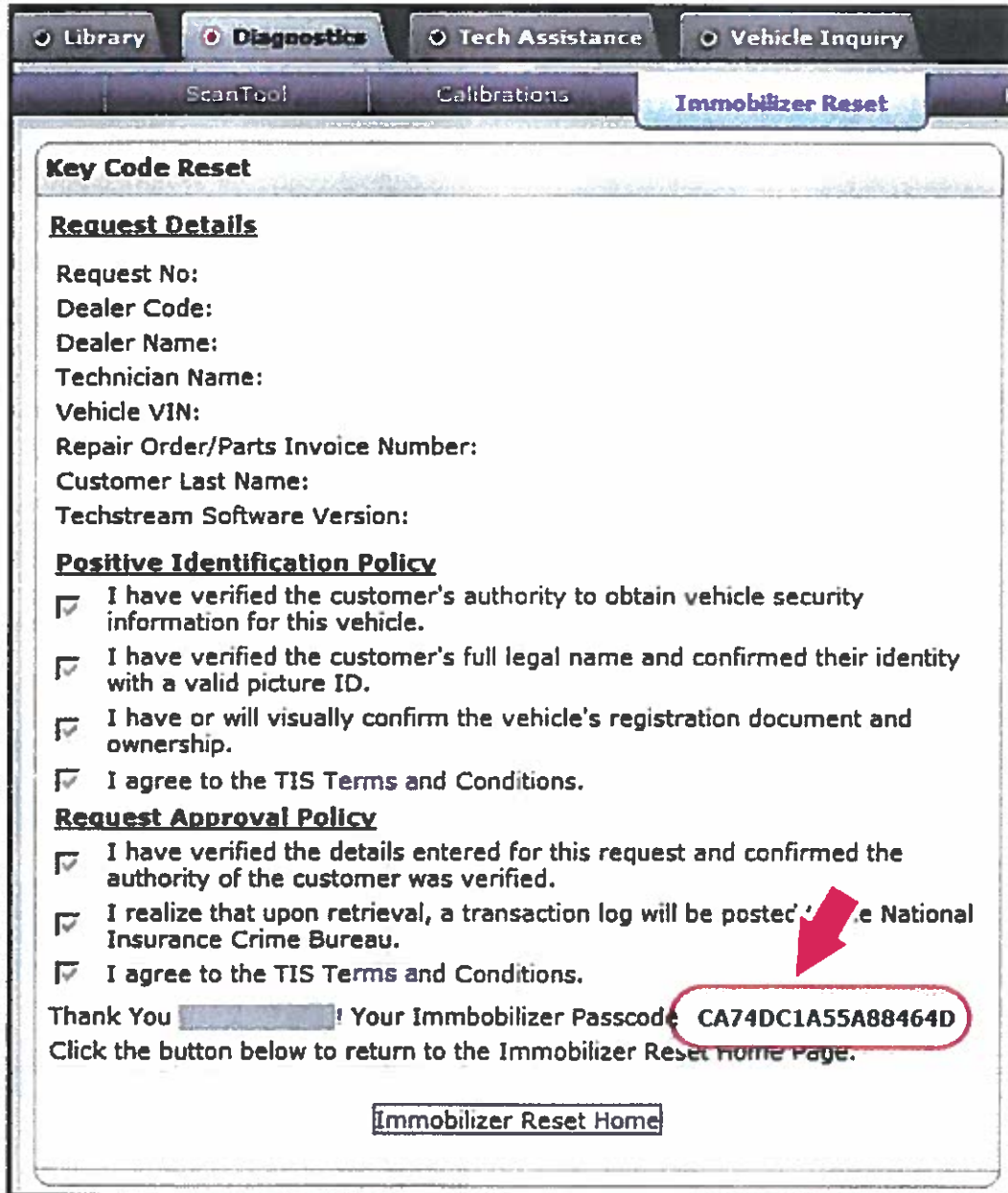
**Request Time:**  
 Approval Valid Till:

# Techstream Smart Key Programming

## Procedure C – Smart Key Erase and Registration (Continued)

- The Passcode will be provided as shown. Copy the Passcode.

Figure 29.



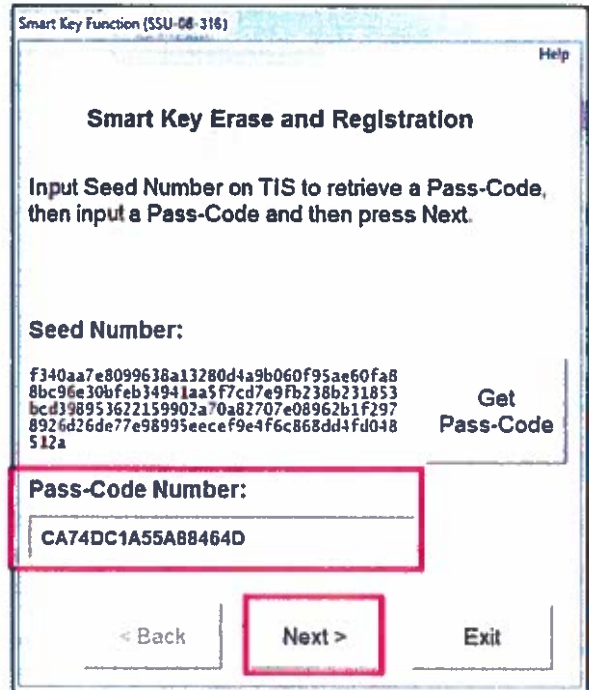
## Techstream Smart Key Programming

### Procedure C – Smart Key Erase and Registration (Continued)

- Paste the Passcode Number back into Techstream as shown below.

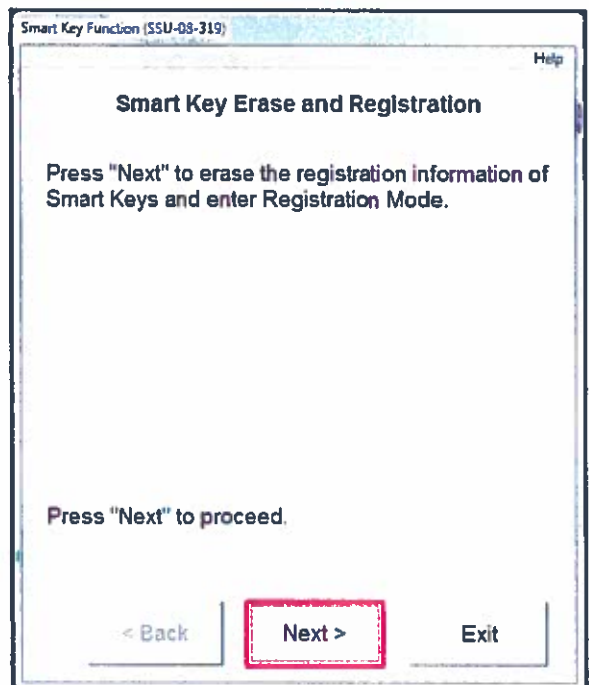
Press *Next*.

**Figure 30.**



- Press *Next* to erase the registration information of the keys and enter registration mode.

**Figure 31.**





## Techstream Smart Key Programming

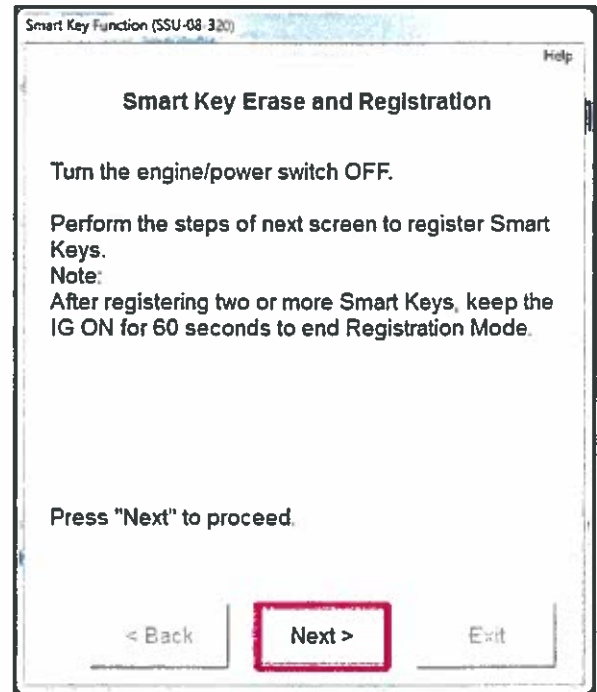
### Procedure C – Smart Key Erase and Registration (Continued)

12. Turn the engine/power switch OFF.

**NOTE**

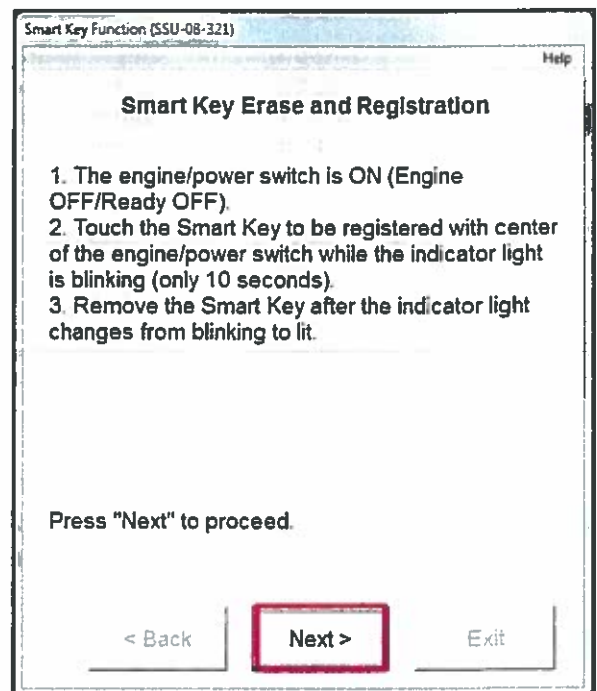
- After registering two or more Smart Keys, keep the IG ON for 60 seconds to end registration mode.
- On the next screen you will be asked to turn the IG ON. The power switch indicator light will be blinking. You MUST touch the smart key to be registered to the power switch within 10 seconds.

Figure 32.



13. Follow the 3 steps on the screen.

Figure 33.



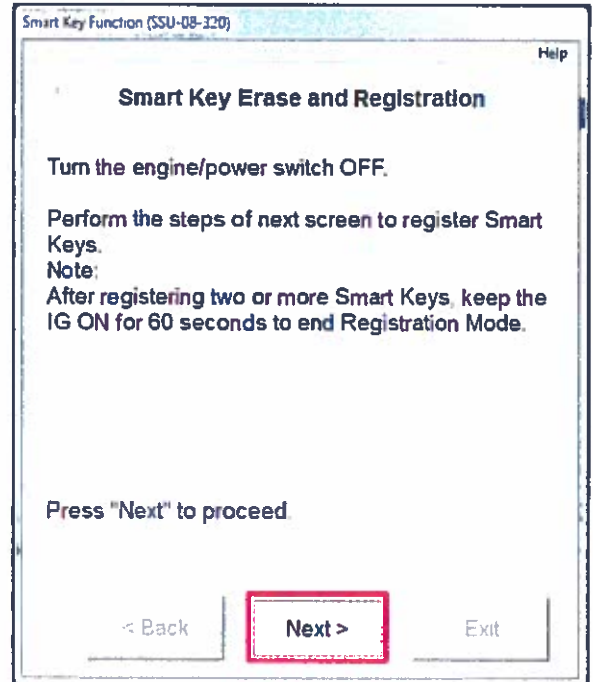
## Techstream Smart Key Programming

### Procedure C – Smart Key Erase and Registration (Continued)

14. Turn the engine/power switch OFF.

**NOTE**  
 On the next screen you will be asked to turn the IG ON. The power switch indicator light will be blinking. You **MUST** touch the smart key to be registered to the power switch within 10 seconds.

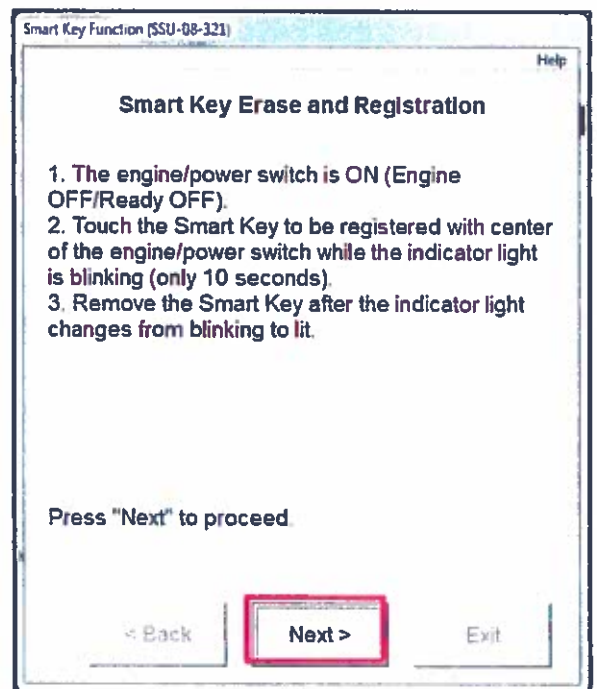
**Figure 34.**



15. Follow the 3 steps on the screen.

**NOTE**  
 After finishing step 3, wait at least 60 seconds before pressing next. If you do not wait at least 60 seconds, you will have to start over.

**Figure 35.**



## Techstream Smart Key Programming

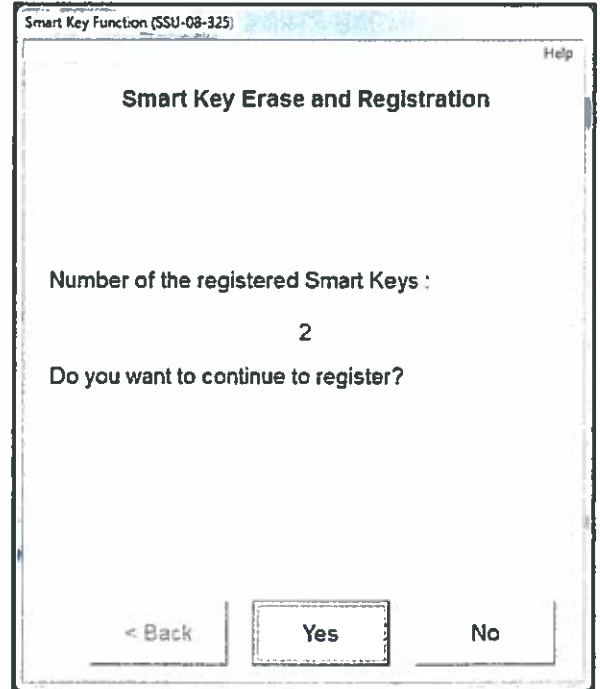
### Procedure C – Smart Key Erase and Registration (Continued)

- This screen will show you how many keys you have registered. Press *No* unless you have a 3<sup>rd</sup> or 4<sup>th</sup> key to register.

**NOTE**

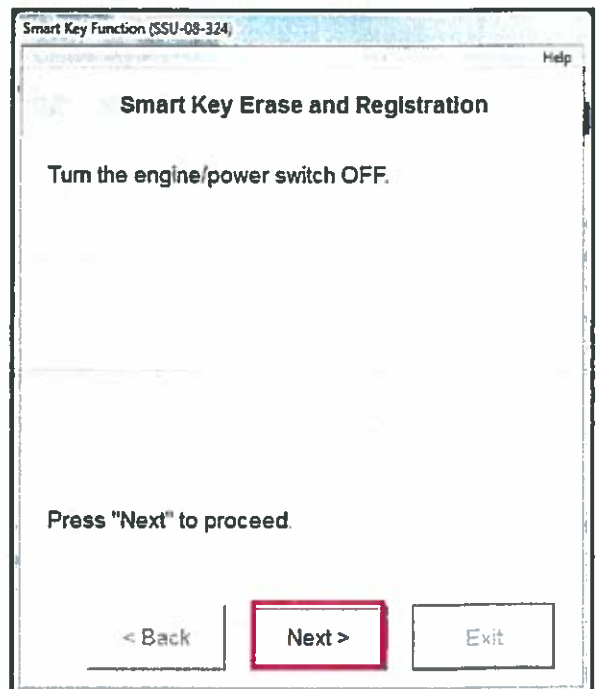
A maximum of 6 keys can be registered at one time.

**Figure 36.**



- Turn the engine/power switch OFF and press *Next*

**Figure 37.**

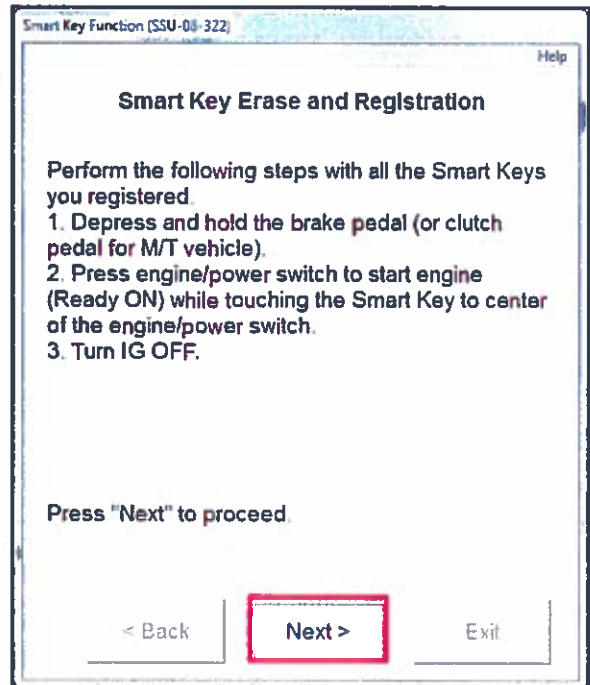


## Techstream Smart Key Programming

### Procedure C – Smart Key Erase and Registration (Continued)

18. Perform the steps on this screen with all of the registered keys.

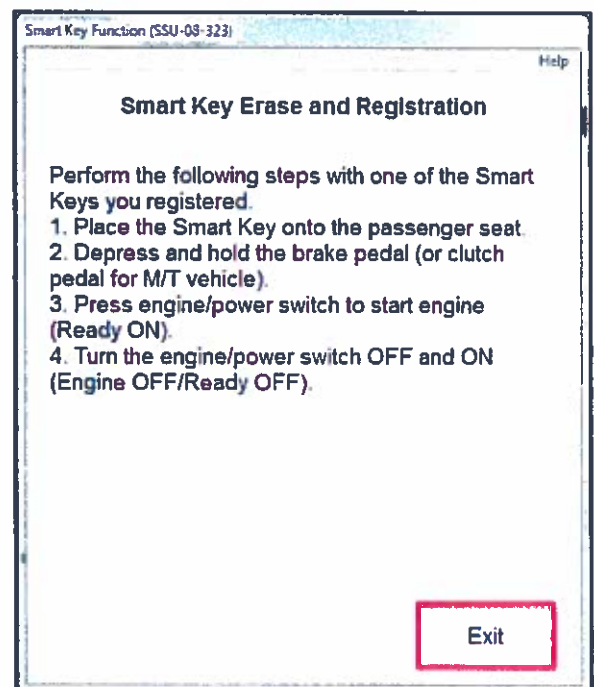
**Figure 38.**



19. Perform the steps on this screen with one of the registered keys. Press *Exit*.

This procedure is now complete.

**Figure 39.**

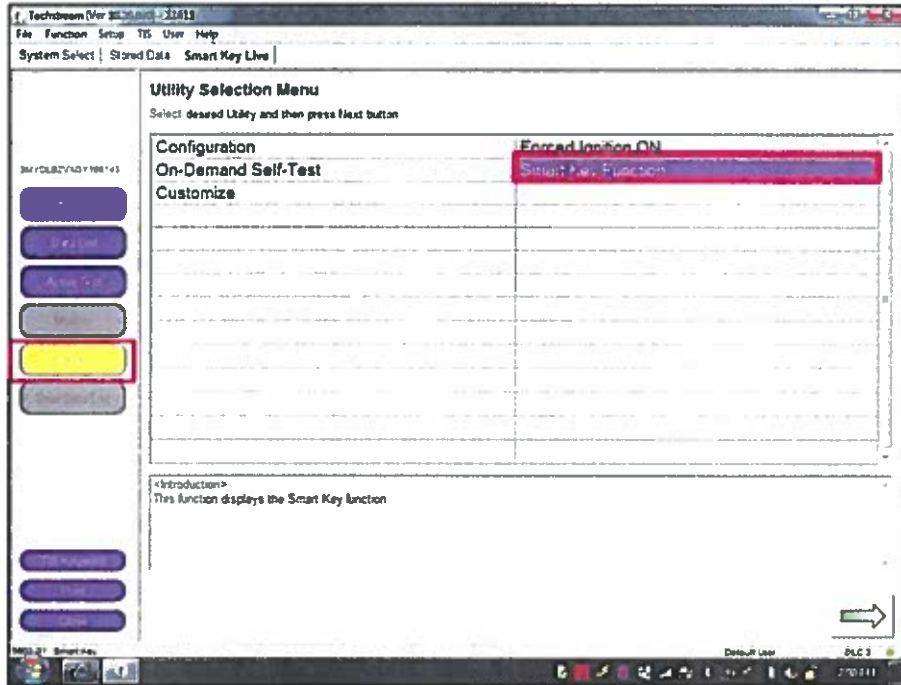


# Techstream Smart Key Programming

## Procedure D – Register Additional Smart Key

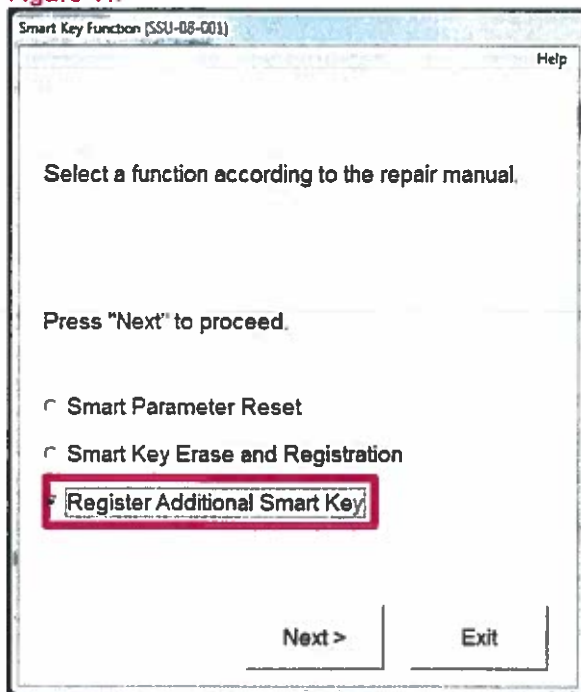
1. Select Smart Key Function.

Figure 40.



2. Select *Register Additional Smart Key* and press *Next*.

Figure 41.

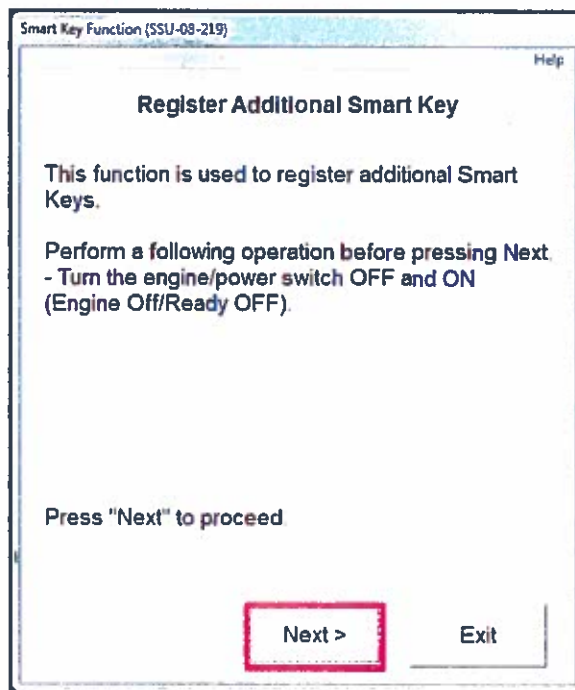


## Techstream Smart Key Programming

### Procedure D – Register Additional Smart Key (Continued)

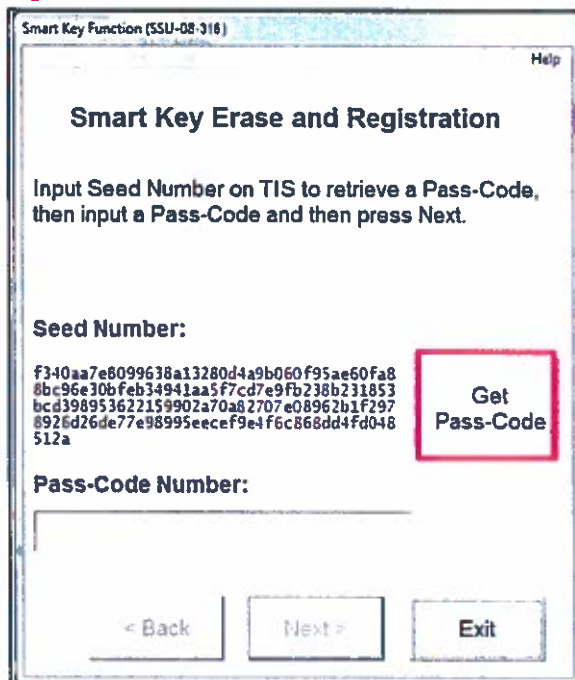
3. Turn the engine/power switch OFF and ON. Press *Next*.

**Figure 42.**



4. Techstream will generate a Seed Number. Click *Get Pass-Code*.

**Figure 43.**





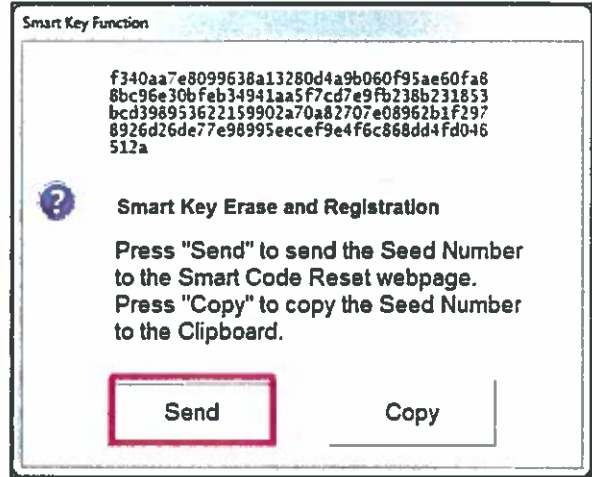
# Techstream Smart Key Programming

## Procedure D – Register Additional Smart Key (Continued)

- Click *Send* to connect to TIS.

**NOTE**  
 Please refer to [T-SB-0043-14](#)  
 "Immobilizer and Smart Key Reset"  
 for the security authorization process.

Figure 44.



- Log into TIS.
- Enter your password.

Figure 45.



## Techstream Smart Key Programming

### Procedure D – Register Additional Smart Key (Continued)

8. Ensure the information is correctly populated and/or copied into the VIN, Repair Order/Parts Invoice Number, Customer Last Name, Techstream Software Version, and Seed Number sections and click *Next*.

**Figure 46.**

**Key Code Reset**

Please complete the following fields to receive a passcode.

Request No:  
 Dealer Code:  
 Dealer Name:  
 Technician Name:

Vehicle VIN:  
 Repair Order/Parts Invoice Number:  
 Customer Last Name:  
 Techstream Software Version:   
 \*Seed Number (from scan tool):

**Positive Identification Policy**

I have verified the customer's authority to obtain vehicle security information for this vehicle.  
 I have verified the customer's full legal name and confirmed their identity with a valid picture ID.  
 I have or will visually confirm the vehicle's registration document and ownership.  
 I agree to the Terms and Conditions.

**Note:** Details of the transaction will be included in the Monthly Vehicle Security Transaction Report sent to the Dealer. A log of each transaction is sent to the National Insurance Crime Bureau.

(\*): Indicates Required Fields

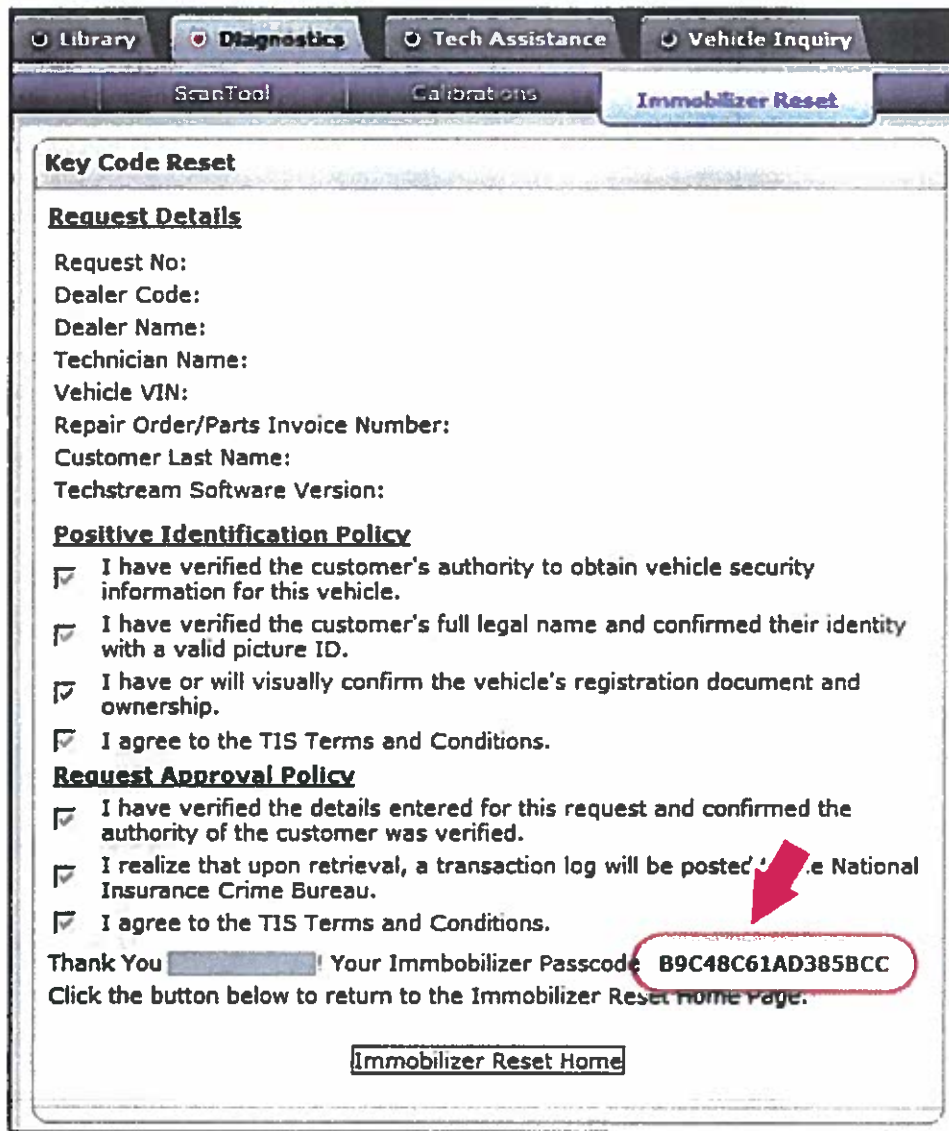
**Request Status for Request No: 14063000026**  
 Request Status: Approve    
 Request Time:   
 Approval Valid TH:

# Techstream Smart Key Programming

## Procedure D – Register Additional Smart Key (Continued)

- The Passcode will then be provided as shown. Copy the Passcode.

Figure 47.

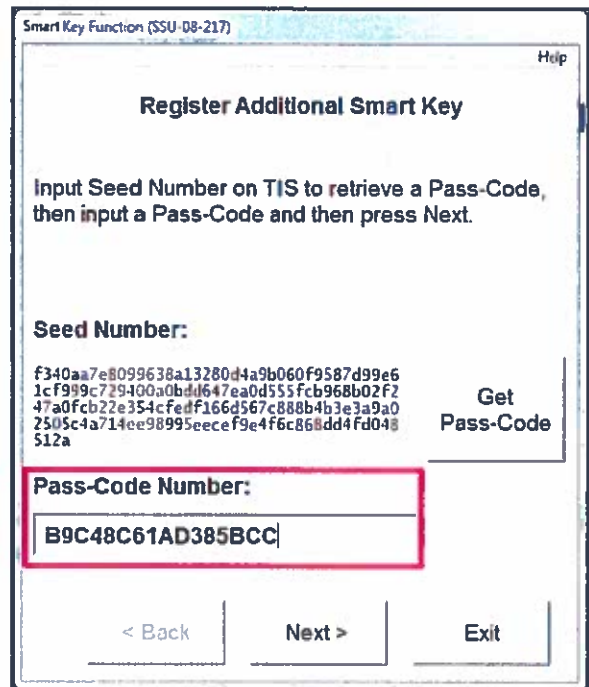


## Techstream Smart Key Programming

### Procedure D – Register Additional Smart Key (Continued)

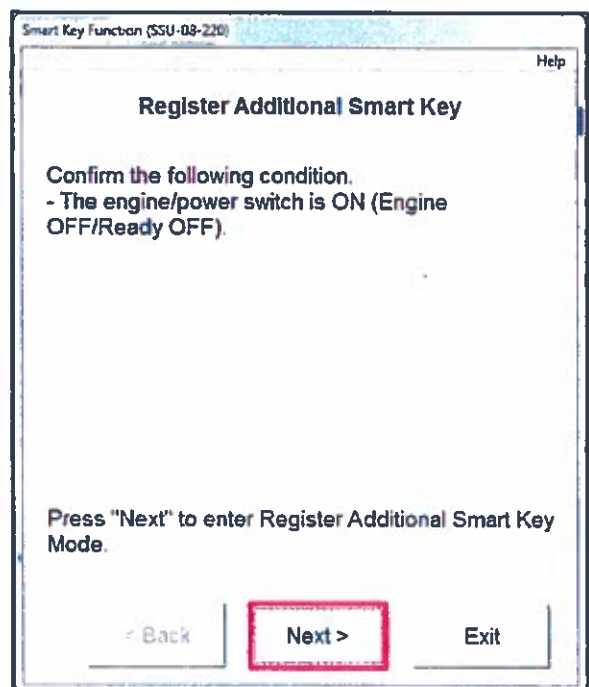
10. Paste the Pass-Code Number back into Techstream as shown below.

**Figure 48.**



11. Confirm the engine/power switch is ON (Engine OFF/Ready OFF).

**Figure 49.**

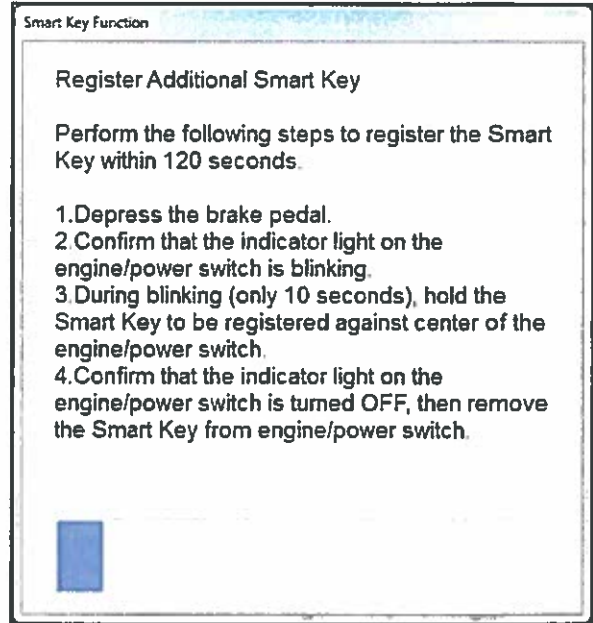


## Techstream Smart Key Programming

### Procedure D – Register Additional Smart Key (Continued)

12. Perform the steps on the screen within 120 seconds.

**Figure 50.**

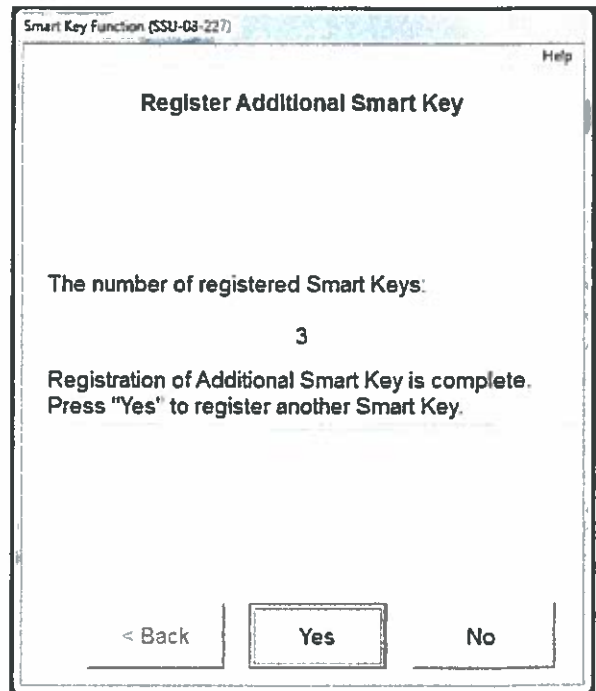


13. This screen will show you how many keys you have registered. Press *No* unless you have a 4<sup>th</sup> or 5<sup>th</sup> key to register.

**NOTE**

A maximum of 6 keys can be registered at one time.

**Figure 51.**



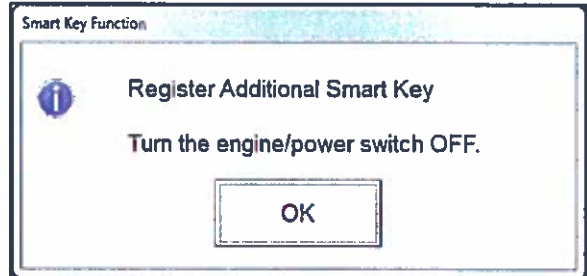
## Techstream Smart Key Programming

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### Procedure D – Register Additional Smart Key (Continued)

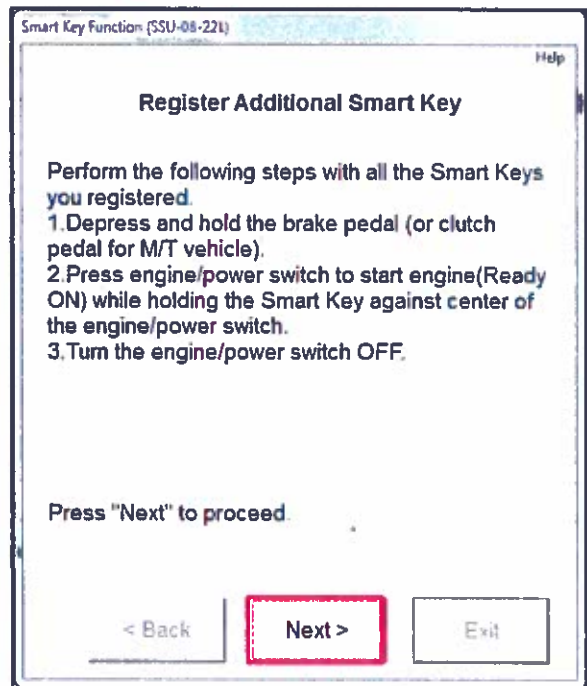
14. Turn the IG OFF (engine/power switch OFF).

**Figure 52.**



15. Follow the steps on the screen. Press *Next*.

**Figure 53.**





## Techstream Smart Key Programming

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### Procedure D – Register Additional Smart Key (Continued)

16. Follow the steps on the screen and press *Exit*.

**Figure 54.**

