

## Service

Category Vehicle Interior

Section	Theft Deterrent/Keyless Entry	Market USA	Toyota Supports
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#### Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2016 - 2017	Yaris SD MEX-Prod	
2017	iA	

## **REVISION NOTICE**

September 13, 2016 Rev1:

Rev1

• Applicability has been updated to include 2017 model year Yaris SD MEX-Prod and iA vehicles. Any previous printed versions of this bulletin should be discarded.

## Introduction

The Yaris SD and iA are equipped with Smart Start and Remote Keyless Entry. This bulletin details the Techstream key programming process. 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

## Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
N/A	N/A Not Applicable to Warranty		-	I	—

## **Required Tools & Equipment**

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

\* Essential SST.

#### NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 11.20.019 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

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

## **Repair Procedure (Continued)**

TECHSTREAM UTILITY	WHEN TO USE	PROCEDURE
Forced IG-ON	<ul> <li>ALL keys are lost, and IG has to be ON to enter Smart Key Utility</li> </ul>	A (See Page 4)
Smart Parameter Reset	<ul><li>Needed if you replace the Smart ECU</li><li>Needed if you replace the PCM</li></ul>	B (See Page 8)
Smart Key Erase	If 1 or ALL keys are lost, or they are stolen, use this utility to erase ALL the codes and register NEW keys.	С
and Registration	Once you do this, ANY key NOT present will no longer work and will have to be programmed.	(See Page 16)
Register Additional Smart Key	<ul><li>Needed if you want to add 1 key</li><li>Need to have at least 1 key to do this utility</li></ul>	D (See Page 26)

## NOTE

- Please refer to <u>T-SB-0043-14</u> "Immobilizer and Smart Key Reset" for the security authorization process.
- Procedures B, C, and D require a Seed Number and Passcode.

## Procedure A – Forced IG-ON

1. Connect Techstream to the vehicle.

## Figure 1.

Techstream (Ver 10.20.030)		_ 🗆 ×
File Function Setup TIS	User Help	
He Function Setup TIS Connect to Vehicle Open Scan Data File Launch TIS New Users Demo Check for Scantool Updates Generic OBD II Software Registration User Selection Language Selection	User Help Vehicle Connection Wizerd(S301-06) Select the Information Division: Division: Division: Model: Select > Model: Engine: Uption: Uptio	
Diagnosis	Optional Information:	
	VIN:	
Log Out	Memo:	
Ver 10.20.030	History Help <back next=""> Cancel</back>	
Subscription Expiration 257d 20h 38m	TOYOTA 🖉 🖬	oxus 🕀 scion
S200-01	VIM - MongoosePro MFC MongoosePro MFC J2534 Library v1.1.12.0	Default User

Choose Toyota, Yaris or iA, appropriate Model Year, P5 and press *Next*.
 Figure 2.

(t) Techstream (Ver 10.30.029)		
File Function Setup TIS	User Help	
Connect to Vehicle	Y	
Open Scan Data File	Select the Information and press Next	
Launch TIS	Required Information:	
New Users Demo	Division: TOYOTA -	
Check for Scantool Updates	Model: Yaris -	
Generic OBD II	ModelYear: 2016 ·	
Software Registration	Engine: P5	1010
User Selection	Option:	
Language Selection		*
Advanced		
Diagnosis	Optional Information:	
	VIN:	
	Memo:	
Log Out		
Ver 10.30.029	History Help <back next=""> Cancel</back>	
10.10.00.025		
Subscription Expiration 255d 05h 20m	TOYOTA Que	xus 💮 scion
S200-01	VIM - MongoosePro MFC MongoosePro MFC J2534 Library v1.1.12.0	Default User

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

3. Select Smart Key from the System Selection Menu.

#### Figure 3.

	K. pported or not responding. mmunication OK in past times but no ty Electrical Transmission Main Body Power Source Control	ot responding now. ABS/DSC/TCS Combination Meter Restraint Control Module	A
System Selection Menu elect desired system and then press the arror     System Yellow = ECU status unknown.     System White = ECU communication C     *System White w/Asterisk = ECU cot su *System Light Blue w/Asterisk = ECU All ECUs Powertrain Chassis Boo Engine Electronic-Controlled Power Steering Smart Key	K. pported or not responding. mmunication OK in past times but no ty Electrical Transmission Main Body Power Source Control	ABS/DSC/TCS Combination Meter	A
elect desired system and then press the arror           System         Yellow = ECU status unknown.           System         White = ECU communication O           "System         White w/Asterisk = ECU not su           "System         Light Blue w/Asterisk = ECU cot           All ECUs         Powertrain         Chassis           Bogine         Electronic-Controlled Power Steering           Smart Key         Smart Key	K. pported or not responding. mmunication OK in past times but no ty Electrical Transmission Main Body Power Source Control	ABS/DSC/TCS Combination Meter	<b>^</b>
Engine Electronic-Controlled Power Steering Smart Key	Transmission Main Body Power Source Control	Combination Meter	
Electronic-Controlled Power Steering Smart Key	Main Body Power Source Control	Combination Meter	<u> </u>
Smart Key	Power Source Control		
	Navigation Receiver	and the second sec	
			E
	1		

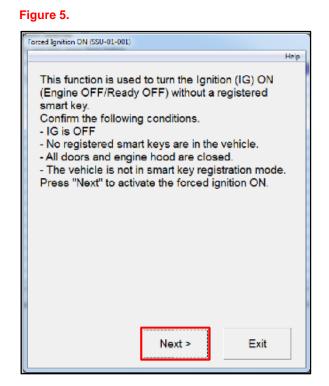
4. From the Utility Selection Menu, select *Utility* from the Left Menu and then select *Forced Ignition ON.* 

Figure 4.

() Techstream (Ver 10.20			
File Function Setup	TIS User Help		
System Select Stor	ed Data Smart Key Live		
2016 iA P5	Utility Selection Menu		
	Select desired Utility and then press Next butt	ton.	
	Configuration	Forced Ignition ON	×
	On-Demand Self-Test	Smart Key Function	
Input VIN	Customize		
Trouble Codes			
Data List			
Active Test			
			E
Monitor			
Womtor			
Utility			
Dual Data List			
			*
	<introduction></introduction>		
		ON (Engine OFF/Ready OFF) without a registered smart key.	ŕ
		characteristic of the ready of the window a registerica smart key.	
TIS Keyword			Ψ.
Diet			
Print			
Close			
CR00.04 Caract Kar		Defe	Utilizza DLCO

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

5. The Forced Ignition ON Utility will begin. Follow the prompts on the screens.



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

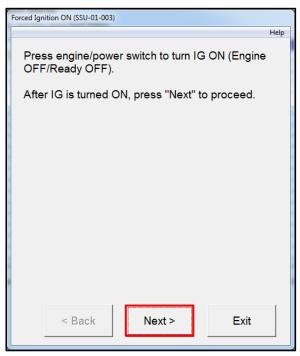
#### Figure 6.

Press engine/power switch only once and press "Next" within 60 seconds.	
Press engine/power switch only once and press ''Next'' within 60 seconds.	N (SSU-01-002)
Press engine/power switch only once and press ''Next'' within 60 seconds.	Help
Time Remaining 57 sec	igine/power switch only once and press
	ime Remaining : 57 sec
< Back Next > Exit	

## 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.

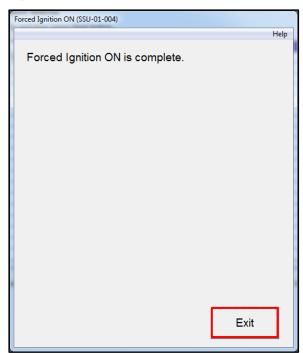
## Figure 7.



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

Proceed to Procedure C.

#### Figure 8.



## Procedure B – Smart Parameter Reset

1. Select Smart Key Function.

#### Figure 9.

t Techstream (Ver 10.20.			- 0 ×
File Function Setup			
System Select   Store	d Data Smart Key Live		
	Utility Selection Menu Select desired Utility and then press Next button.		
	Configuration	Forced Ignition ON	<u>^</u>
3MYDLBZVXGY100143	On-Demand Self-Test	Smart Key Function	
	Customize		
Trouble Codes			
Data List			
Active Test			
			=
Monitor			
Utility			
Dual Data List			
	<introduction></introduction>	1	
	This function displays the Smart Key function.		
TIS Keyword	1		τ.
Print			
Close			
600.01 Smart Key	1	Default User	DLC 3
🚱 🖉 🕐		🖟 🖪 🇲 🛑 🖏 ant 🎠 🗶 🔶 🗎 🖏	5 2:00 PM

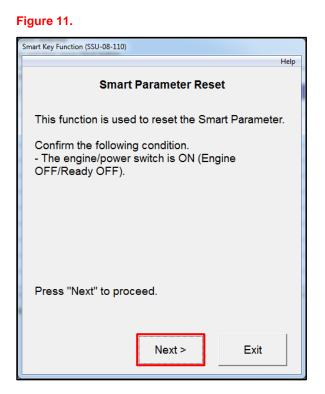
2. Select Smart Parameter Reset.

## Figure 10.

Smart Key Function (SSU-08-001)			
		Help	
Select a function acc	ording to the r	epair manual.	
Press "Next" to proce			
Smart Parameter Reset			
<ul> <li>Smart Key Erase and Registration</li> </ul>			
ି Register Additional Smart Key			
	Next >	Exit	

## Procedure B – Smart Parameter Reset (Continued)

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



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

#### Figure 12.

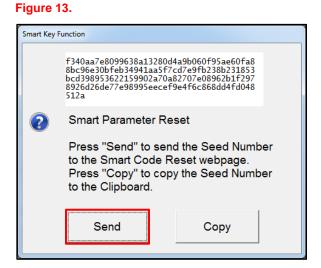
Canada Van	Smart Key Function (SSU-08-108)			
		Help		
	Smart Parameter Reset			
Input	Seed Number on TIS to retrieve a	Pass-Code.		
	then input a Pass-Code and then press Next.			
Seed	Seed Number:			
8bc96 bcd39	f340aa7e8099638a13280d4a9b060f95ae60fa8 8bc96e30bfeb34941aa5f7cd7e9fb238b231853 bcd398953622159902a70a82707e08962b1f297 8926d26de77e98995eecef9e4f6c868dd4fd048 512a Get Pass-Code			
Pass-Code Number:				
	< Back Next >	Exit		

## Procedure B – Smart Parameter Reset (Continued)

5. Click Send to connect to TIS.

## NOTE

Refer to <u>T-SB-0043-14</u> *"Immobilizer and Smart Key Reset"* for the security authorization process.



- 6. Log into TIS.
- 7. Enter your password.

#### Figure 14.

O Libra	ary 💿 Diagnostics	O Tech Assistance	• Vehicle Inquiry		
	ScanTool	Calibrations	Immobilizer Reset		
Imm	Immobilizer Reset				
Key e Key C Re-er	Receive a Passcode Immobilizer and Smart Key Code Reset allows the registration of a new Master Key even if all original Master Keys are lost. Once the Immobilizer and/or Smart Key Code is reset, all previously registered key codes will be erased. Re-enter your Password below to proceed to the Immobilizer and Smart Key Code Reset form.				
	Password:	Clear Login	]		

## Procedure B – Smart Parameter Reset (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 15.

	ScanTool Calibrations	Immobilizer Reset	Key Code	Telematics	Navigation		
Key C	Key Code Reset						
	Please	complete the following fie	lds to receive a pass	code.			
		Request No:					
		Dealer Code:					
		Dealer Name:					
		Technician Name:					
		Vehicle VIN:					
	Repair O	Order/Parts Invoice Number:					
		Customer Last Name:					
	Tr	echstream Software Version					
		*Seed Number [ (from scantool):					
Posit	tive Identification Policy						
N	I have verified the customer's authority to ob	stain vehicle security informati	on for this vehicle.				
N.	I have verified the customer's full legal name and confirmed their identity with a valid picture ID.						
$\overline{\nabla}$	I have or will visually confirm the vehicle's registration document and ownership.						
N							
	Details of this transaction will be included in the to the National Insurance Crime Bureau.	e Monthly Vehicle Security Tra	nsaction Report sent to th	ne Dealer GM. Also, a lo	g of each transaction is		
(*) -	Indicates Required Field(s)						
Requ	est Status for Request No: 14063000028						
	Request Status: Approved		Request Time:				
	Manager:		Approval Valid Till:				

## Procedure B – Smart Parameter Reset (Continued)

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

## Figure 16.

) Lib	orary 🖲 Diagnostics	O Tech Assistance	O Vehicle Inquiry			
	ScanTool	Calibrations	Immobilizer Reset			
Key	Key Code Reset					
Rec	uest Details					
Rec	quest No:					
Dea	aler Code:					
Dea	aler Name:					
Tec	chnician Name:					
Vel	hicle VIN:					
Rep	pair Order/Parts Invoice N	lumber:				
Cu	stomer Last Name:					
Tec	chstream Software Versio	n:				
Pos	sitive Identification Po	licy				
V	I have verified the sustamer's authority to obtain vehicle security					
$\overline{\vee}$	I have verified the customer's full legal name and confirmed their identity with a valid picture ID.					
$\overline{\mathbf{v}}$	I have or will visually confirm the vehicle's registration document and ownership.					
$\overline{\checkmark}$	I agree to the TIS Term	s and Conditions.				
Ree	quest 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 e National Insurance Crime Bureau.					
$\checkmark$	I agree to the TIS Term	s and Conditions.				
	nk You !You k the button below to retu		Reset nome Page.			
	I	mmobilizer Reset Hom	e			

## Procedure B – Smart Parameter Reset (Continued)

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

## Figure 17.

Smart Key Function (SSU-08-108)	Help			
Smart Parameter Reset				
Input Seed Number on TIS to retrieve a Pass-Code, then input a Pass-Code and then press Next.				
Seed Number:				
f340aa7e8099638a13280d4a9b060f95ae60fa 8bc96e30bfeb34941aa5f7cd7e9fb238b23185 bcd398953622159902a70a82707e08962b1f29 8926d26de77e98995eecef9e4f6c868dd4fd04 512a	Get Get			
Pass-Code Number:				
FD74DC9A22A8884D				
< Back Next >	Exit			

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

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

#### Figure 18.

Smart Key F	unction
1	Smart Parameter Reset
	Pass Code Number for Smart Key ECU is accepted. Press "OK" to continue for Engine ECU seed retrieval.
	ОК

## Procedure B – Smart Parameter Reset (Continued)

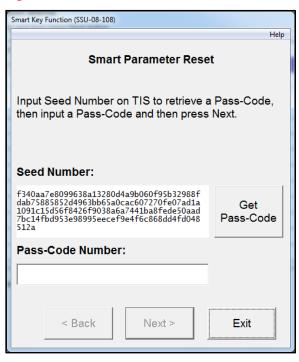
12. Complete the Smart Parameter Reset for the Engine ECU.

Repeat steps 4 – 10 to retrieve a 2nd Pass-Code for the Engine ECU.

## NOTE

You MUST retrieve a 2<sup>nd</sup> Pass-Code.

#### Figure 19.



13. Click Next to reset the Smart Parameter.

#### Figure 20.

Smart Key Function (SSU-08-111)				
	Help			
Smart Parameter Reset				
Press "Next" to reset the Smart Parameter.				
< Back Next > Exit				

## Procedure B – Smart Parameter Reset (Continued)

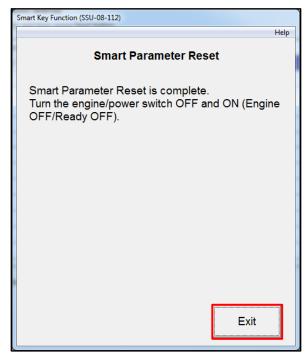
14. The Smart Parameter Reset is now complete.

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.



## Procedure C – Smart Key Erase and Registration

1. Select Smart Key Function.

#### Figure 22.

	Utility Selection Menu Select desired Utility and then press Next button.		
	Configuration	Forced Ignition ON	
ZVXGY100143	On-Demand Self-Test	Smart Key Function	
ble Codes	Customize		
ata List			
tive Test			
Aonitor			
Utility			
Data List			
Keyword	Clntroduction> This function displays the Smart Key function.		

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

## Figure 23.

Smart Key Function (SSU-08-001)	
	Help
Select a function according to the repair manual.	
Press "Next" to proceed.	
<ul> <li>Smart Parameter Reset</li> </ul>	
◦ Smart Key Erase and Registration	
ି Register Additional Smart Key	
Next > Exit	

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

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

## NOTE

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

Press Next.

Figure 24.

Smart Key Function (SSU-08-318)			
Help			
Smart Key Erase and Registration			
This function is used to erase the registration information of the Smart Keys and register the Smart Keys.			
Note: After erasing the registration information of the Smart Keys, 2 or more keys need to be registered to start the engine.			
Press "Next" to proceed.			
Next > Exit			

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

#### Figure 25.

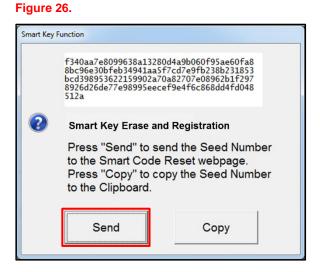
Smart Key	Function (SSU-08-316)				
		Help			
s	Smart Key Erase and Registration				
	Input Seed Number on TIS to retrieve a Pass-Code, then input a Pass-Code and then press Next.				
Seed	Seed Number:				
8bc96 bcd39	a7e8099638a13280d4a9b060f95ae60fa8 330bfeb34941aa5f7cd7e9fb238b231853 3953622159902a70a82707e08962b1f297 26de77e98995eecef9e4f6c868dd4fd048	Get Pass-Code			
Pass	-Code Number:				
	< Back Next >	Exit			

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

5. Click Send to connect to TIS.

## NOTE

Please refer to <u>T-SB-0043-14</u> *"Immobilizer and Smart Key Reset"* for the security authorization process.



- 6. Log into TIS.
- 7. Enter your password.

#### Figure 27.

O Libra	ery 🖲 Diagnostics	O Tech Assistance	O Vehicle Inquiry		
	ScanTool	Calibrations	Immobilizer Reset		
Imm	Immobilizer Reset				
Key e Key C Re-en	Receive a Passcode Immobilizer and Smart Key Code Reset allows the registration of a new Master Key even if all original Master Keys are lost. Once the Immobilizer and/or Smart Key Code is reset, all previously registered key codes will be erased. Re-enter your Password below to proceed to the Immobilizer and Smart Key Code				
Reset	Reset form. Password: Clear Login				

## 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.

I have veri I have or v	Repair C •Ti <b>ation Policy</b> ied the customer's authority to ob	Request No: Dealer Code: Dealer Name: Technician Name: Vehicle VIN: Order/Parts Invoice Number: Customer Last Name: fechstream Software Version "Seed Number (from scantool):	elds to receive a passcode.	
I have veri I have veri I have or v	Repair C •Ti <b>ation Policy</b> ied the customer's authority to ob	Request No: Dealer Code: Dealer Name: Technician Name: Vehicle VIN: Order/Parts Invoice Number: Customer Last Name: fechstream Software Version "Seed Number (from scantool):		
I have veri I have veri I have or v	•Tr ation Policy ied the customer's authority to ob	Dealer Code: Dealer Name: Technician Name: Vehicle VIN: Order/Parts Invoice Number: Customer Last Name: Fechstream Software Version \$Seed Number (from scantool):		
I have veri I have veri I have or v	•Tr ation Policy ied the customer's authority to ob	Dealer Name: Technician Name: Vehicle VIN: Order/Parts Invoice Number: Customer Last Name: rechstream Software Version "Seed Number (from scantool):		
I have veri I have veri I have or v	•Tr ation Policy ied the customer's authority to ob	Technician Name: Vehicle VIN: Order/Parts Invoice Number: Customer Last Name: fechstream Software Version *Seed Number (from scantool):		
I have veri I have veri I have or v	•Tr ation Policy ied the customer's authority to ob	Vehicle VIN: Order/Parts Invoice Number: Customer Last Name: fechstream Software Version *Seed Number (from scantool):		
I have veri I have veri I have or v	•Tr ation Policy ied the customer's authority to ob	Order/Parts Invoice Number: Customer Last Name: fechstream Software Version "Seed Number (from scantool):		
I have veri I have veri I have or v	•Tr ation Policy ied the customer's authority to ob	Customer Last Name: "echstream Software Version "Seed Number (from scantool):		
I have veri I have veri I have or v	ation Policy ied the customer's authority to ob	echstream Software Version "Seed Number (from scantool):		
I have veri I have veri I have or v	ation Policy ied the customer's authority to ob	*Seed Number (from scantool):		
I have veri I have veri I have or v	ied the customer's authority to ob	(from scantool):		
I have veri I have veri I have or v	ied the customer's authority to ob	btain vehicle security informa		
I have veri I have or v		btain vehicle security informa		
I have or w	and all a second second and the first second		tion for this vehicle.	
	ied the customer's full legal name	e and confirmed their identity	with a valid picture ID.	
	ill visually confirm the vehicle's re	egistration document and own	ership.	
I agree to t	he Terms and Conditions.			
	transaction will be included in the Insurance Crime Bureau.	e Monthly Vehicle Security Tr	ansaction Report sent to the Dealer	r GM. Also, a log of each transaction is
) - Indicates Requ	ired Field(s)			
quest Status fo	Request No: 14063000028			
R	quest Status: Approved		Request Time:	
	Manager:		Approval Valid Till:	

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

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

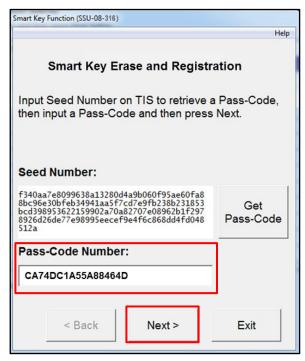
## Figure 29.

0 Libra	Diagnostics	<b>O</b> Tech Assistance	• Vehicle Inquiry
	ScanTool	Calibrations	Immobilizer Reset
Key (	Code Reset		
Requ	est Details		
Requ	est No:		
Deale	er Code:		
Deale	er Name:		
Tech	nician Name:		
Vehic	de VIN:		
Repa	ir Order/Parts Invoice N	lumber:	
Custo	omer Last Name:		
Tech	stream Software Version	n:	
Posi	tive Identification Po	licy	
	have verified the custo nformation for this vehic		in vehicle security
	have verified the custo with a valid picture ID.	mer's full legal name a	and confirmed their identity
	have or will visually co ownership.	nfirm the vehicle's regi	stration document and
V 1	agree to the TIS Terms	s and Conditions.	
Requ	est Approval Policy		
	have verified the detail authority of the custome		est and confirmed the
	realize that upon retrie Insurance Crime Bureau		vill be posted .e National
	agree to the TIS Terms	s and Conditions.	
Thank Click	c You ! You the button below to retu		de CA74DC1A55A88464D Reset nome Page.
	I	mmobilizer Reset Hom	

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

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

#### Figure 30.



#### Figure 31.

Smart Key Function (SSU-08-319)	
and they may have been been a	
He	р
Smart Key Erase and Registration	
Press "Next" to erase the registration information of Smart Keys and enter Registration Mode.	
Press "Next" to proceed.	
< Back Next > Exit	

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

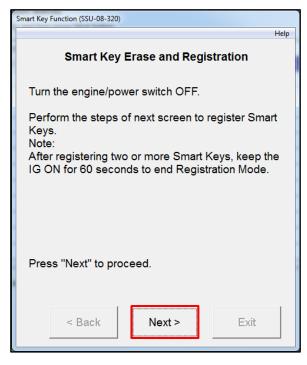
## Procedure C – Smart Key Erase and Registration (Continued)

12. Turn the engine/power switch OFF.

## NOTE

- After registering 2 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.

Smart Key Function (SSU-08-321)	
Help	
Smart Key Erase and Registration	
<ol> <li>The engine/power switch is ON (Engine OFF/Ready OFF).</li> <li>Touch the Smart Key to be registered with center of the engine/power switch while the indicator light is blinking (only 10 seconds).</li> <li>Remove the Smart Key after the indicator light changes from blinking to lit.</li> </ol>	
Press "Next" to proceed.	
< Back Next > Exit	

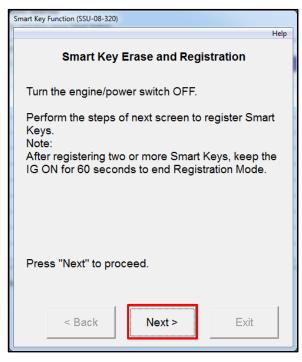
## Procedure C – Smart Key Erase and Registration (Continued)

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.

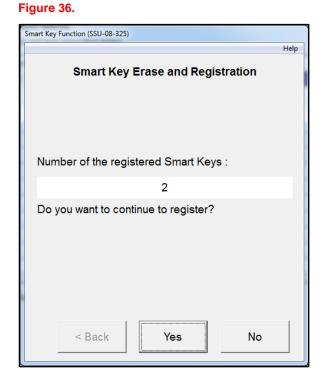
Smart Key Function (SSU-08-321)
Help
Smart Key Erase and Registration
<ol> <li>The engine/power switch is ON (Engine OFF/Ready OFF).</li> <li>Touch the Smart Key to be registered with center of the engine/power switch while the indicator light is blinking (only 10 seconds).</li> <li>Remove the Smart Key after the indicator light changes from blinking to lit.</li> </ol>
Press "Next" to proceed.
< Back Next > Exit

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

16. 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 1 time.



17. Turn the engine/power switch OFF and press *Next*.

#### Figure 37.

Smart Key Function (SSU-08-324)	Help
Smart Key Erase and Registration	
Turn the engine/power switch OFF.	
Press "Next" to proceed.	
< Back Next > Exit	

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

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

#### Figure 38.

Smart Key Function (SSU-08-322)
Help Smart Key Erase and Registration
<ul> <li>Perform the following steps with all the Smart Keys you registered.</li> <li>1. Depress and hold the brake pedal (or clutch pedal for M/T vehicle).</li> <li>2. Press engine/power switch to start engine (Ready ON) while touching the Smart Key to center of the engine/power switch.</li> <li>3. Turn IG OFF.</li> </ul>
Press "Next" to proceed.
< Back Next > Exit

19. Perform the steps on this screen with 1 of the registered keys. Press *Exit*.This procedure is now complete.

## Figure 39.

Smart Key Function (SSU-08-323)	
He	In
Smart Key Erase and Registration	P
Perform the following steps with one of the Smart Keys you registered.	
<ol> <li>Place the Smart Key onto the passenger seat.</li> <li>Depress and hold the brake pedal (or clutch pedal for M/T vehicle).</li> </ol>	
<ol> <li>Press engine/power switch to start engine (Ready ON).</li> <li>Turn the engine/power switch OFF and ON</li> </ol>	
(Engine OFF/Ready OFF).	
Exit	

## Procedure D – Register Additional Smart Key

1. Select Smart Key Function.

## Figure 40.

t Techstream (Ver 10.20.			- 0 ×
File Function Setup System Select   Store	ad Data Smart Key Live		
	Utility Selection Menu Select desired Utility and then press Next button.		
	Configuration	Forced Ignition ON	^
3MYDLBZVXGY100143	On-Demand Self-Test	Smart Key Function	
Trouble Codes	Customize		
Trouble Codes			
Data List			
Active Test			
Pictite rest			E
Monitor			
Utility			
Dual Data List			
	<td></td> <td>*</td>		*
	This function displays the Smart Key function.		
TIS Keyword			-
Print			1
Close			
S600-01 Smart Key	]	Default User	DLC 3
🚱 🖉 🕐		🔓 🏚 🗎 🕨 🔅 🛠 🚮 🗤 🎼 🐐 🗍 🐁	2:00 PM

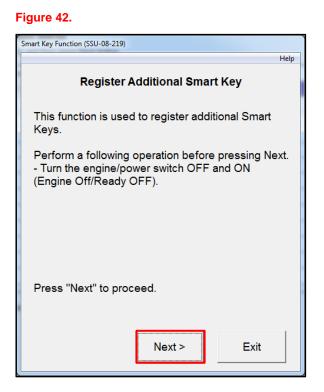
2. Select Register Additional Smart Key and press Next.

## Figure 41.

Smart Key Function (SSU-08-001)	
	Help
Select a function according to the repair manual.	
Press "Next" to proceed.	
<ul> <li>Smart Parameter Reset</li> </ul>	
<ul> <li>Smart Key Erase and Registration</li> </ul>	
Register Additional Smart Key	
Next > Exit	

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

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



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

#### Figure 43.

Smart Key Function (SSU-08-316)	
Smart Key Erase and Re	gistration
Input Seed Number on TIS to retriev then input a Pass-Code and then pre	
Seed Number:	
f340aa7e8099638a13280d4a9b060f95ae60f 8bc96e30bfeb34941aa5f7cd7e9fb238b2318 bcd398953622159902a70a82707e08962b1f2 8926d26de77e98995eecef9e4f6c868dd4fd0 512a	Get
Pass-Code Number:	_
< Back Next >	Exit

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

5. Click Send to connect to TIS.

## NOTE

Please refer to <u>T-SB-0043-14</u> *"Immobilizer and Smart Key Reset"* for the security authorization process.



- 6. Log into TIS.
- 7. Enter your password.

## Figure 45.



## 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.

		Immobilizer Reset	Key Code	Telematics	Navigation
Code Reset					
	Please o	complete the following fie	lds to receive a passo	code.	
		Request No:			
		Dealer Code:			
		Dealer Name:			
		Technician Name:			
		Vehicle VIN:			
	Repair Or	der/Parts Invoice Number:			
		Customer Last Name:			
	*Ter	chstream Software Version [	-		
		"Seed Number [ (from scantool):			
sitive Identification Polic	¥				
I have verified the cust	tomer's authority to obt	ain vehicle security informati	ion for this vehicle.		
I have verified the cust	tomer's full legal name	and confirmed their identity	with a valid picture ID.		
I have or will visually o	confirm the vehicle's reg	gistration document and owne	ership.		
I agree to the Terms a	nd Conditions.				
te: Details of this transaction to the National Insurance (	n will be included in the Crime Bureau.	Monthly Vehicle Security Tra	nsaction Report sent to th	ne Dealer GM. Also, a log	) of each transaction is
- Indicates Required Field(s	)				
uest Status for Request	No: 14063000028				
Request Stat	tus: Approved		Request Time:		
Manag	jer:		Approval Valid Till:		

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

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

## Figure 47.

) Lib	Diagnostics	0 Tech Assistance	O Vehicle Inquiry		
	ScanTool	Calibrations	Immobilizer Reset		
Key Code Reset					
Rec	Request Details				
Rei	Request No:				
De	aler Code:				
De	Dealer Name:				
Teo	Technician Name:				
Vel	hicle VIN:				
Rep	pair Order/Parts Invoice	e Number:			
Cu	stomer Last Name:				
Tec	chstream Software Vers	ion:			
Po	sitive Identification	Policy			
V	I have verified the customer's authority to obtain vehicle security information for this vehicle.				
<b>V</b>	I have verified the customer's full legal name and confirmed their identity with a valid picture ID.				
V	I have or will visually confirm the vehicle's registration document and ownership.				
$\overline{\checkmark}$	I agree to the TIS Ter	ms and Conditions.			
Re	quest Approval Polic	Y			
	I have verified the de authority of the custor	tails entered for this requiner was verified.	uest and confirmed the		
$\overline{\checkmark}$	I realize that upon ret Insurance Crime Bure	rieval, a transaction log au.	will be posted the National		
$\checkmark$	I agree to the TIS Ter	ms and Conditions.			
Tha	ank You	our Immbobilizer Passo	de B9C48C61AD385BCC		
Clic		eturn to the Immobilizer			
		Immobilizer Reset Hom	ne		

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

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

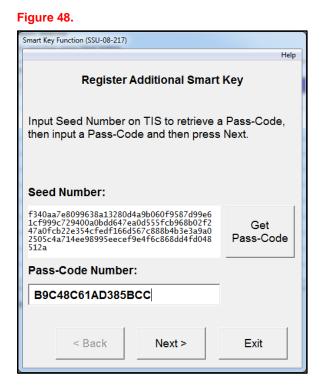


Figure 49.

Smart Key Function (SSU-08-220)				
	Help			
Register Additional Smart	Кеу			
Confirm the following condition. - The engine/power switch is ON (Eng OFF/Ready OFF).	ine			
Press "Next" to enter Register Additio Mode.	nal Smart Key			
< Back Next >	Exit			

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

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

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



# Smart Key Function Register Additional Smart Key Perform the following steps to register the Smart Key within 120 seconds. 1.Depress the brake pedal. 2.Confirm that the indicator light on the engine/power switch is blinking. 3.During blinking (only 10 seconds), hold the Smart Key to be registered against center of the engine/power switch. 4.Confirm that the indicator light on the engine/power switch is turned OFF, then remove the Smart Key from engine/power switch.

#### Figure 51.

Smart Key Function (SSU-08-227)		
Register Additional Smart Key	Help	
The number of registered Smart Keys:		
3		
Registration of Additional Smart Key is complete. Press "Yes" to register another Smart Key.		
< Back Yes No		

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 1 time.

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

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

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

## Figure 52.

Smart Key Function		
1	Register Additional Smart Key	
	Turn the engine/power switch OFF.	
	ОК	

## Figure 53.

Smart Key Function (SSU-08-221)			
Help			
Register Additional Smart Key			
Perform the following steps with all the Smart Keys you registered. 1.Depress and hold the brake pedal (or clutch pedal for M/T vehicle). 2.Press engine/power switch to start engine(Ready			
ON) while holding the Smart Key against center of the engine/power switch. 3.Turn the engine/power switch OFF.			
Press "Next" to proceed.			
< Back Next > Exit			

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

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

#### Figure 54.

