

Service

Category Vehicle Interior

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

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION	
2019 - 2020	Avalon, Avalon HV, Corolla Hatchback, RAV4, RAV4 HV		
2020	Corolla, Corolla HV		

### **REVISION NOTICE**

June 17, 2019 Rev1:

- Applicability has been updated to include 2019 2020 model year Corolla Hatchback, RAV4, and RAV4 Hybrid and 2020 model year Corolla and Corolla Hybrid vehicles.
- The Required Tools & Equipment section has been updated.

Any previous printed versions of this bulletin should be discarded.

### Introduction

The Immobilizer and Smart Key Reset is a feature that allows the registration of new keys when all master keys are lost. Once the system is reset, all previously registered keys will be erased and can never be reused. Another feature, Add/Remove Key, is also available. Once a key is removed, it can never be reused.

Follow the procedures in this bulletin to reset a vehicle Immobilizer or Smart Key system and to add and/or remove a key.

#### NOTICE

When performing a Smart Code Reset, ALL registered keys are erased and CANNOT be used again on ANY vehicle. For Undesignated Key Permanent Erasure utility, ONLY the keys that are NOT present will be removed. ANY keys that are NOT present can never be reused.

#### Warranty Information

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

### **Required Tools & Equipment**

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream ADVi*		TSADVUNIT	
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 14.10.028 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
GR8 Battery Diagnostic Station*	00002-MCGR8	1
or Battery Diagnostic Tool*	or <u>DCA-8000P_T</u>	I

\*Essential SST.

### NOTE

Additional SSTs may be ordered by calling 1-800-933-8335.

#### Symptom Chart

SYMPTOM	ACTION	PROCEDURE	PG.
	Doloto ALL Kovo	1. Immobilizer Reset	6
Lost ALL Keys	Delete ALL Keys	2. Smart Code Registration	23
Add NEW Keys to Vehicle	Add NEW Keys. Add More Than One Key if Performed Post Immobilizer Reset	Smart Code Registration	23
Key(s) Are Lost or Stolen and/or Request to Remove ANY Key NOT Present From the Vehicle	Delete One or More Keys, NOT ALL Keys	Undesignated Key Permanent Erasure	30

### NOTE

If ALL keys are lost, refer to the Repair Manual and follow the process for establishing communication. It may also be necessary to maintain communication during the entire procedure by actions such as pushing the doorjamb courtesy switch or flashing the high beams. Do NOT cycle the engine switch to keep the ECU awake.

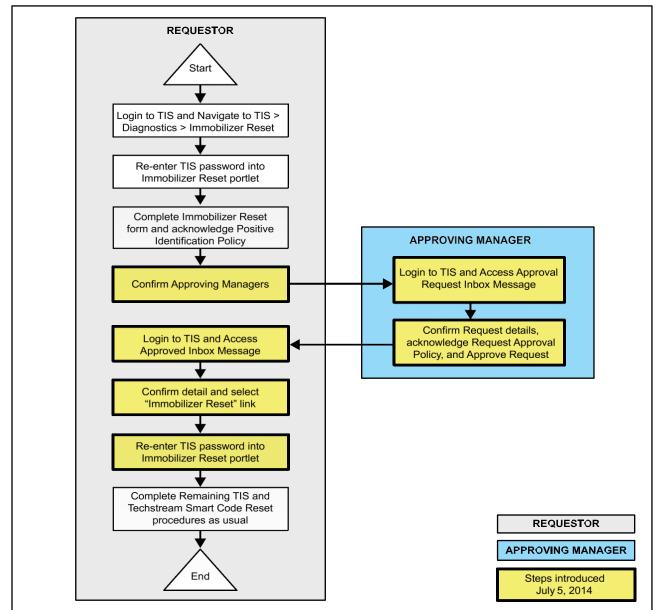
### Procedures

•	Security Authorization for Reset Pass-code	. 4
•	Reset Approval Request (TIS Pre-approval)	. 6
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•	Smart Code Registration	23
•	Undesignated Key Permanent Erasure	30

### Security Authorization for the Reset Pass-code

Improved security measures have been implemented in TIS and there are additional parameters obtained from the vehicle during Immobilizer Reset. A secondary approval by dealer management is required each time an Immobilizer or Smart Key Reset is performed.

Please review the following flowchart and become familiar with the options outlined BEFORE attempting a reset.



#### Figure 1. Immobilizer Reset Process

### Security Authorization for the Reset Pass-code (continued)

Key Points:

- The reset request can be submitted from Techstream in the vehicle or on TIS BEFORE the vehicle is available.
- A single management approval can be used multiple times for the same VIN until the vehicle repair is completed.
- Each reset attempt for the same VIN will generate a NEW seed number and a unique passcode.
- The request and approval hand-off between the technician and management is completed on the TIS home page inbox, accessed at each individual's location (Techstream, office, etc.).

### Main Steps:

- 1. Obtain Authorization
  - A. Technician Reset Approval Request
  - B. Manager Access TIS Inbox Message and Approve
- 2. Perform Reset Via Techstream
  - A. Access Approval TIS Inbox Message
  - B. Perform Reset at Vehicle

Variations:

- 1. Pre-approval BEFORE Vehicle is Accessed (per Main Steps)
- 2. Request and Receive Approval From Techstream AFTER Entering the Reset Utility
- 3. Repeated Reset Attempts With Techstream by Accessing the Single Approval File

### Approving Managers:

Once the Pass-Code Request form is completed, an approval request will be sent to ALL approving managers. Dealership personnel with the following job titles in Staffmaster are granted passcode approval capability.

Dealer Principal, General Manager, Service Manager, Service Director, Service/Parts Director, Parts Manager, Parts Director, Customer Relations Manager, Customer Satisfaction Manager, Shop Foreman, Diagnostic Specialist, Team Leader.

Each dealer MUST have AT LEAST two enrolled managers to access ANY passcodes.

Please review the Techstream and TIS screenshots in this bulletin to become familiar with the management authorization process flow.

### Reset Approval Request (TIS Pre-approval)

- 1. Open TIS Diagnostics Immobilizer Reset.
- 2. Log in using your password.

Home TIS Service Lane	TOYOTA Help My Account Log
Dibrary O Diagnostics O Tech Assistance O Vehicle	Inquiry
ScanTool Reprogramming Immobilizer Reset Add / Ren	nove Key   Key Code   Telematics   Navigation   Tools & Equipmen
Immobilizer Reset	Reference Documents
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	Toyota Process Bulletin T-SB-0043-14         A complete guide to the Immobilizer Key Code Reset process for NON-Transponder ECU equipped models         Toyota / Scion Process Bulletin SS003-02         A complete guide to Immobilizer functions for Transponder ECU equipped models         Toyota / Scion Vehicle Support         Find out if the vehicle you are working on supports Immobilizer Reset         Toyota PANT Bulletin 2014-050         Find out what to do if the vehicle does not support Immobilizer Reset

- 3. Populate the boxes with the correct information. Then, read the Positive Identification Policy and check the boxes once the indicated tasks are completed.
- 4. Select Next to continue.

Figure 3.

	Please complete the following fields to receive a passcode.
	Dealer Code:
	Dealer Name:
	Technician Name:
	"Vehicle VIN: (17 digit VIN)
	*Repair Order/Parts Invoice Number:
	*Customer Last Name:
1.	ve 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.
(*) -	Indicates Required Field(s)
Note:	Details of this transaction will be included in the Monthly Vehicle Security Transaction Report sent to the Dealer GM. Also, a log
ofead	ch transaction is sent to the National Insurance Crime Bureau.

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### Reset Approval Request (TIS Pre-approval) (continued)

5. AFTER two or more managers are selected, select Submit.

#### NOTE

- It is required to select AT LEAST two managers.
- Each request MUST receive approval by one manager.

#### Figure 4.

ScanTool Reprogram	nming Immobilizer Reset Add / Remove Key Key Code Telen	iatics Navig	ation Tools & Equipmen
mmobilizer Reset	Select a minimum of two managers from the list below and click Sub continue. Each request requires approval from one manager.	nit to	
	Example Manager 1		
Please complete the foll	Example Manager 2	E Kes	et process for NON-
Dealer Code	Example Manager 3		
Dealer Nami	L'Adripte Manager 4	Tran	sponder ECU equipped
Technician Name	Example Manager 5		
"Vehicle VI	Example Manager 6	Doorts	Immobilizer Reset
*Repair Order/Parts Invoir Numbe *Customer Last Name stitue Identification Policy I have verified the customer's information for this vehicle. I have verified the customer's with a valid picture ID. I have or will visually confirm ownership. I agree to the TIS Terms of U	r: ta aut full the	port 1	Immobilizer Reset
	ill be included in the Monthly Vehicle Security aler GM. Also, a log of each transaction is sent ureau.		

### **Opening Smart Access in Techstream**

Please review the Techstream and TIS screenshots in this bulletin.

#### NOTE

If ALL keys are lost, refer to the Repair Manual and follow the process for establishing communication. It may also be necessary to maintain communication during the entire procedure by actions such as pushing the doorjamb courtesy switch or flashing the high beams. Do NOT cycle the engine switch to keep the ECU awake.

### 6. Connect Techstream to the vehicle.

If the ignition CANNOT be turned on or the information does NOT automatically populate, choose the appropriate vehicle model and year and enter the VIN in ALL capital letters.

#### NOTE

If the battery is low of charge, attaching a battery charger may be necessary to maintain battery voltage during Immobilizer Reset.

#### Figure 5.

Techstream (Ver 13.00.022		<u>_8</u>
File Function Setup TIS Use	r Help	
Connect to Vehicle		AAAA
	Yehicle Connection Wizard(5301-06)	
Open Scan Data File	Select the Information and press Next	
Launch TIS	Required Information:	
New Users Demo	Division: TOYOTA	
Check for Scantool Updates	Model: < Select >	
Generic OBD II	ModelYear.	
Software	Engine:	
Registration		
User Selection	Option:	
Language		**
Selection		
Advanced Function		
	Optional Information:	
	VIN:	
	Merno:	
Log Out		
	History Help <back next=""> Cancel</back>	-
Ver 13.00.022		
Subscription Expiration	TOYOTA (2)LE	xus @scion
266d 22h 33m		
200-01	VIM - MongoosePro MFC MongoosePro MFC J2534 Library v1.2.9.5	Default User

### **Opening Smart Access in Techstream (continued)**

7. Select the Body Electrical tab, then select Smart Access.

### Figure 6.

Techstream (Ver 13.0			_ 6 )
File Function Setup TIS			
System Select Store	ed Data		
2019 Avalon 2GR-FKS 007203 mile JTH Health Check	System Selection Menu           Select desired system and then press the arrow button to access the system Yellow = ECU status unknown.           System         Yellow = ECU communication OK           *System         White = ECU communication OK           *System         White w/Asterisk = ECU not supported or not resported or system           Light Blue w/Asterisk = ECU communication OK in provided to the system           All ECUs         Powertrain	iding.	
Customize	Head Up Display	Road Sign Assist	
Setting	Advanced Parking Guidance/ICS/Intuitive P/A	Rain and/or Humidity Sensor	
ECU	Wiper	AFS	
Reprogramming	AFS (Sub)	Front Recognition Camera (Front Lighting Control)	
CAN	Smart Access	Power Source Control	
Bus Check	Occupant Detection	Starting Control	
	Navigation System Front Left Door	Front Right Door Front Radar Sensor	
TIS Function	Front Side Radar Master	Front Radar Sensor Front Side Radar Slave	
	Blind Spot Monitor Master	Blind Spot Monitor Slave	
Read Data	Active Noise Control	Pedestrian Protection	
Function	Sub Battery Module	Power Integration No.1	
	Power Integration No.2	Power Integration No.3	
	Telematics	Power Integration No.5	•
	Tretematics		
			-
TIS Search	1		<u> </u>
Print Main Menu			
303-01		Default User	DLC 3 🔶

### Pre-approved Immobilizer Reset

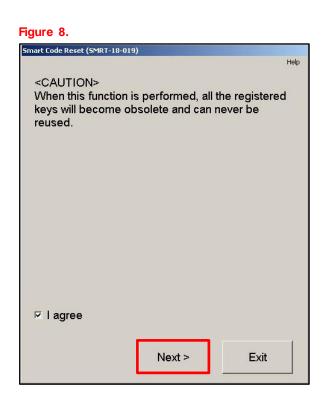
Please review the Techstream and TIS screenshots in this bulletin.

1. Select Smart Code Reset.

Techstream (Ver 12.			-8
Function Setup T			
	red Data Smart Access Live		
2019 Avalon 2GR-FKS	Utility Selection Menu		
	Select desired Utility and then press Next button.		
007203 mile	-		land
	Operation History	Wireless Door Lock Diagnosis Mode	<b>^</b>
тн	Customize	Communication Check(Key Diag Mode)	
-	ECU Communication ID Registration	Smart Code Registration	
Trouble Codes	Smart Code Reset	Undesignated Key Permanent Erasure	
Trouble Codes	Driver Information Registration		
Data List			
Active Test			
Monitor			
~			
Utility			
Dual Data List			
Duar Data List			
			-
			A
TIS Search			<u>-</u>
Print			
Close			

### Pre-approved Immobilizer Reset (continued)

2. Read the warning, check I agree, then select Next.



3. Open the driver's door, check I understand, then select Next.

#### Figure 9.

-	
Smart Code Reset (SMRT-18-001)	
	Help
Welcome to the Smart Code Reset utility.	
This function will erase all smart codes.	
Confirm that the drivers door is open.	
☑ I understand	
Next > Exit	

### Pre-approved Immobilizer Reset (continued)

4. Select Get Pass-Code.

imart Code Reset (SMRT-18-002) Step 1 of 2	Help
Step 1 of 2	Help
Step 1 of 2	
Input Seed Number on TIS to retrieve a then input a Pass-Code and then press	
Seed Number:	
c8f0e0e517c75ffe80722878d d1e02172ed31b8e7022d8a59c 3c2ac1045136c5b321aad5662 11a535b282b61ca625ccf	Get Pass-Code
Pass-Code Number:	
	Input
< Back Next >	Exit

5. Copy may be selected to copy the seed number to the computer's clipboard. Select Send to open a link to TIS.

# Figure 11.

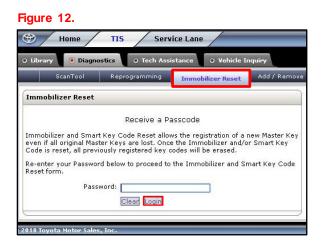
	Step 1 of 2	
Smart Co	ode Reset	
	c8f0e0e517c75ffe8072287 d1e02172ed31b8e7022d8a5 3c2ac1045136c5b321aad56 11a535b282b61ca625ccf	9c
0	Press "Send" to send the Seed Nu to the Smart Code Reset webpage Press "Copy" to copy the Seed Nu to the Clipboard.	
	Send Copy	

### NOTE

- If the management approval file for this VIN exists in your TIS inbox, do NOT follow the next three steps to resubmit a request. Go to the Approved Immobilizer Reset section on pg. 15.
- If management approval is already received, open the approval file in your TIS inbox and enter the most recent seed number to get the passcode

### Pre-approved Immobilizer Reset (continued)

- 6. Make sure the Immobilizer Reset tab is selected.
- 7. Enter the password and click Login.



8. Fill in the required information, then select Next.

#### Figure 13.

	Scantool	Calibrations	Immobilizer Reset	Key Code	Telematic
ey ca	ode Neset				
	1	Please complete the t	ollowing tields to receive	a passcode.	
		Dealer Code			
		Dealer Name			
		Technician Name	:		
		"Vehicle VIN		(17 digit VIN)	
	*Repair C	rder/Parts Invoice Number	:		
		"Customer Last Name	:		
Positi	ve Identification Policy				
•	I have verified the custo	omer's authority to obtain	vehicle security information for	this vehicle.	
- L	I have verified the custo	omer's full legal name and o	confirmed their identity with a v	alid picture ID.	
*	I have or will visually co	nfirm the vehicle's registra	tion document and ownership.		
* []	I agree to the TIS Term	s and Conditions.			
(*) - 1	Indicates Required Field(s)	1			
		n will be included in the Mo ne National Insurance Crim	nthly Vehicle Security Transact e Bureau.	tion Report sent to the Dea	iler GM. Also, a lo
			Back Clear Next		

### Pre-approved Immobilizer Reset (continued)

9. AFTER two or more managers are selected, select Submit.

#### NOTE

- It is required to select AT LEAST two managers.
- Each request MUST receive approval from one manager.

### Figure 14.

ScanTopi Reprogrammi	Add / Remove Key Key Code Select a minimum of two managers from the list below an continue. Each request requires approval from one manag		Navigation Tools & Equipment
Please complete the follow Dealer Code: 6 Dealer Name: 0 Technician Name: T "Vehicle VIN: [ v Repair Order/Parts Invoice [ Number: Customer Last Name: [ Positive Identification Policy I have verified the customer's ful with a valid picture 1D. I have or will visually confirm the ownership.	Example Manager 1 Example Manager 2 Example Manager 3 Example Manager 4 Example Manager 5 Example Manager 6 Example Manager 7	Submit Cance	= Reset process for NON- Transponder ECU equipped ports Immobilizer Reset port Immobilizer Reset
<ul> <li>I agree to the TIS Terms of Use.</li> <li>(*) - Indicates Required Field(s)</li> </ul>			]

10. After manager approval is received, go to the Approved Immobilizer Reset section on pg. 16.

### **Manager Approval**

Please reference the TIS screenshots in this bulletin.

- 1. AFTER the request is submitted, one of the authorized dealer managers will locate the technician's request in their TIS home page inbox.
- 2. Select the title to open the Request.

#### Figure 15.

Inbox	
	ete Refresh
02/14/2018	new Approval Required: Immobilizer Reset Request No. 18021400670
02/13/2018	new Safety Recall JLB (J2B Interim): Multiple Models/Years; High Pressure Fuel Pumps
01/30/2018	new Safety Recall JLA (J2A) - Interim: 15-16 NX & 16 RX; Airbag Sensor
01/25/2018	new Resolved - Intermittent TAS Phone System Outages

- 3. Read the Request Approval Policy, then check the boxes AFTER the indicated tasks are completed.
- 4. Select Approve to send the approval to the technician.

#### Figure 16.

The user <b>The User</b> Immobilizer Reset on I follows,	Device the sequested to perform an 02/14/2018 01:01 PM CST. The details of the request are as
<b>Request Details:</b>	
Request No:	18021400670
Dealer Code:	60473
Dealer Name:	DEALER DAILY TEST LEXUS
Technician Name:	and the second sec
Vehicle VIN:	JTHB51F
Repair Order/Parts Invoice Number:	123456
Customer Last Name:	
Positive Identificat	ion Policy
I have verified the for this vehicle.	customer's authority to obtain vehicle security information
🦉 a valid picture ID.	customer's full legal name and confirmed their identity with
I have or will visua ownership.	Ily confirm the vehicle's registration document and
🖉 I agree to the TIS	Terms of Use.
Request Approval P	Policy
	e details entered for this request and confirmed the sustomer was verified.
∗ 🖌 I realize that upo Insurance Crime	n retrieval, a transaction log will be posted to the National Bureau.
* 🕑 I agree to the TI	S Terms of Use.
(*) - Indicates Requir	ed Field(s)
This request will expir at 02/17/2018 01:0	e in 72 hours from the time of receipt of this message 11 PM CST.
Note: Details of this t	contact the Dealer Daily Helpdesk. ransaction will be included in the Monthly Vehicle Security nt to the Dealer GM. Also, a log of each transaction is sent to e Crime Bureau.
Inbox Home	Cancel Approve Reject

### Approved Immobilizer Reset

Please reference the Techstream and TIS screenshots in this bulletin.

- 1. AFTER approval is received by management, open the TIS inbox and locate the Immobilizer Reset Request.
- 2. Select the title to open the approval.

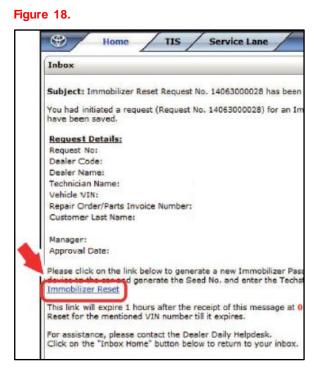
#### NOTE

- It is recommended to retrieve the passcode from the Techstream connected to the vehicle as the seed number and passcode work together.
- AFTER approval is received by management, multiple resets can be performed for a single VIN. Each attempt will create a NEW seed number and resultant passcode.

#### Figure 17.

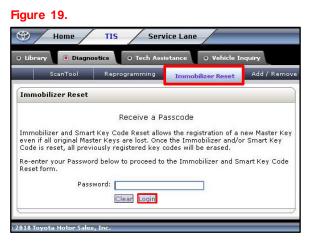
Inbox	
	lete Refresh
🔲 02/14/2018	new Immobilizer Reset Request No. 18021400670 has been Approved
02/14/2018	Approval Required: Immobilizer Reset Request No. 18021400670
02/13/2018	new Safety Recall JLB (J2B Interim): Multiple Models/Years; High Pressure Fuel Pumps
01/30/2018	new Safety Recall JLA (J2A) - Interim: 15-16 NX & 16 RX; Airbag Sensor

3. Select the Immobilizer Reset link.



### Approved Immobilizer Reset (continued)

- 4. Make sure the Immobilizer Reset tab is selected.
- 5. Enter the password and select Login.



6. Enter the Techstream software version and paste the seed number from Techstream.

### 7. Select Next.

Figure 2	20.
----------	-----

r Code Re	F	Please complete the following fie Request No: Dealer Code: Dealer Name: Technician Name: Vehicle VIN: customer Last Name: Customer Last Name: "Techtream Software Version f	elds to receive a pass	scode.	
sitive Id		Request No: Dealer Code: Dealer Name: Technician Name: Vehicle VIN: cepair Order/Parts Invoice Number: Customer Last Name:	elds to receive a pass	scode.	
sitive Id	R	Dealer Code: Dealer Name: Technician Name: Vehicle VIN: kepair Order/Parts Invoice Number: Customer Last Name:	*		
sitive Id	R	Dealer Name: Technician Name: Vehicle VIN: kepair Order/Parts Invoice Number: Customer Last Name:			
sitive Id	R	Technician Name: Vehicle VIN: Lepair Order/Parts Invoice Number: Customer Last Name:	1		
sitive Id.	R	Vehicle VIN: epair Order/Parts Invoice Number: Customer Last Name:	1		
sitive Id	R	epair Order/Parts Invoice Number: Customer Last Name:	1		
sitive Id	R	Customer Last Name:			
sitive Id					
sitive Ide		*Techstream Software Version [			
sitive Ide					
sitive Ide		"Seed Number [ (from scantool):			
	entification Policy				
I ha	ve verified the customer's authorit	ty to obtain vehicle security informat	ion for this vehicle.		
I ha	ve verified the customer's full lega	al name and confirmed their identity	with a valid picture ID.		
I ho	ve or will visually confirm the vehi	icle's registration document and own	ership.		
Iag	ree to the Terms and Conditions.				
te: Detail at to the N	s of this transaction will be include lational Insurance Crime Bureau.	d in the Monthly Vehicle Security Tra	insaction Report sent to	the Dealer GM. Also, a log o	of each transaction is
- Indicate	es Required Field(s)				
uest Sta	tus for Request No: 14063000	028			
	Request Status: Approved		Request Time:		
	Manager:		Approval Valid Till:		

### Approved Immobilizer Reset (continued)

8. Retrieve the passcode in the location shown.

#### NOTE

- Do NOT resubmit another approval for this vehicle if the file from management has been received in TIS and it shows the approval status for the given VIN.
- Open the approval file and enter a NEW seed number to get the unique passcode for each attempt.

#### Figure 21.

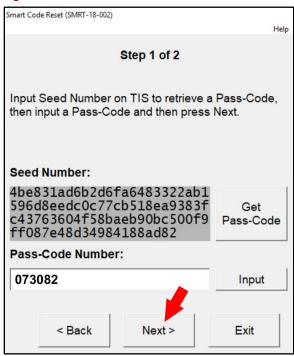


 AFTER retrieving the passcode, copy and paste it (with no additional blank spaces) into the Pass-Code Number box and select Next.

### NOTE

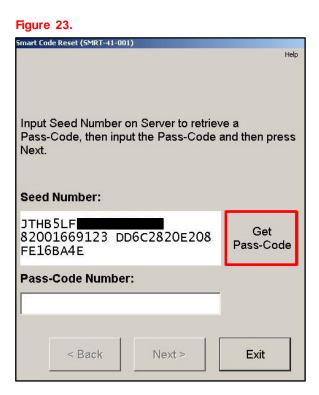
AFTER selecting Next, another passcode will be requested.

#### Figure 22.



### Approved Immobilizer Reset (continued)

10. Select Get Pass-Code.



11. Select Send to open a link to TIS.

#### Figure 24.

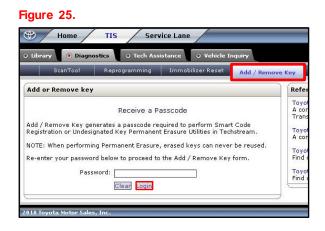
			Help
Item		ID	CD
VIN	JTHB5LF		4
Data1	8200166	96F5	3
Data2	7A56D52	24B100	8
Data3	FE16BA4	E	
webpa	ge.	end the ID to the S opy the ID to the C	

### Approved Immobilizer Reset (continued)

12. Enter the password in the Add/Remove Key tab and select Login.

N	$\cap$	Т	F
1.4	$\sim$		

Make sure the Add/Remove Key tab is selected.



13. AFTER the boxes are filled in with the information from the previous Techstream screen, select Submit.

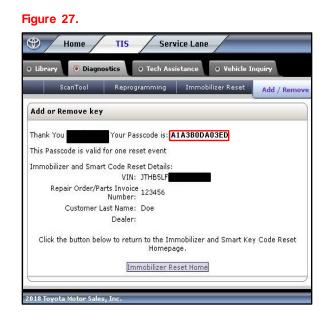
Home TIS Service Lane		Compar	ny : TMN TOY	OTA Help	∖ My Account ∖ I
ibrary  O Diagnostics O Tech Assistance O Vehicle Inquiry					
ScanTool Reprogramming Immobilizer Reset Add / Rem	ove Key	Key Code	Telematics	Navigation	Tools & Equipm
ld or Remove key	Refe	rence Documen	t		
Please complete the following fields to receive a passcode. Dealer Code: Dealer Name: Technician Name: *Techstream Software Version: 13.00.022 *Vehicle VIN: DTH BSLFF (17 digit VIN) *Repair Order/Parts Invoice 123456 Number: *Customer Last Name: Doe *Data1: 820016696F5 *Data2: 7A56D524B100 *Data3: FE16BA4E ) - Indicates Required Field(s) Back Clear Submite	A coi Tran Toyo A coi Toyo Find Toyo	sponder ECU equi ta / Scion Proces: mplete guide to Ir ta / Scion Vehicle out if the vehicle ta PANT Bulletin 2	ie Immobilizer Key ipped models s Bulletin SS003-02 mmobilizer functions s Support you are working on	s for Transponder E supports Immobili	ECU equipped mode zer Reset

~~

# Smart Key Immobilizer Reset and Add/Remove Key

### Approved Immobilizer Reset (continued)

14. The bolded passcode can be copied and pasted back into Techstream.

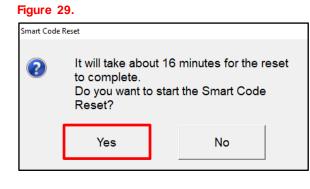


15. Copy and paste the number (with no additional spaces) into the Pass-Code Number box and select Next.

Figure 28.	
Smart Code Reset (SMRT-41-001)	
	Help
Input Seed Number on Server to retriev Pass-Code, then input the Pass-Code a Next.	
Seed Number:	
JTHB5LF 82001669044 49775АЗА7СОА FE16BA4E	Get Pass-Code
Pass-Code Number:	
A1A3B0DA03ED	
	1
< Back Next >	Exit

### Approved Immobilizer Reset (continued)

16. AFTER a confirmation message pops up, select Yes.



mart Code Reset (SMRT-18-004)			Help
Step 2 o	of 2		
NOW RESE	TTING	ŧ.	
<cauti KEEP DRIVER'S I</cauti 		OPEN.	
Time Remaining:	16	min.	
1			
I			

- 17. Smart Code Registration may now be used to register Smart Keys.
- 18. Select Exit.

Figure 31.	
Smart Code Reset (SMRT-18-005)	
	Help
Smart Code Reset is complete. Use the Smart Code Registration utility to re smart keys.	gister
E	İxit

### Smart Code Registration

Please reference the Techstream and TIS screenshots in this bulletin.

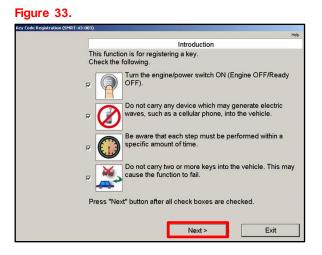
1. Select Smart Code Registration.

#### Figure 32.

Select Sto	ored Data Smart Access Live		
valon KS	Utility Selection Menu Select desired Utility and then press Next button.		
mile	Operation History	Wireless Door Lock Diagnosis Mode	
	Customize	Communication Check(Key Diag Mode)	
	ECU Communication ID Registration	Smart Code Registration	
	Smart Code Reset	Undesignated Key Permanent Erasure	
ble Codes	Driver Information Registration		
ata List			
tive Test			
Ionitor			
Utility			
Data List			
		1	
Search			<u>~</u>
Print			

### Smart Code Registration (continued)

2. Read the instructions, check each item, and select Next.



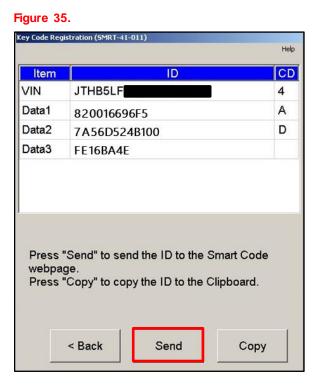
3. Select Get Pass-Code.

#### Figure 34.

Key Code Registration (SMRT-41-001)	Help
Input Seed Number on Server to retriev Pass-Code, then input the Pass-Code a Next.	
Seed Number:	
JTHB5LF 8200166964A 674EC4B22F0D FE16BA4E	Get Pass-Code
Pass-Code Number:	
< Back Next >	Exit

### Smart Code Registration (continued)

4. Select Send to open a link to TIS.



# 5. Make sure the Add/Remove Key tab is selected.

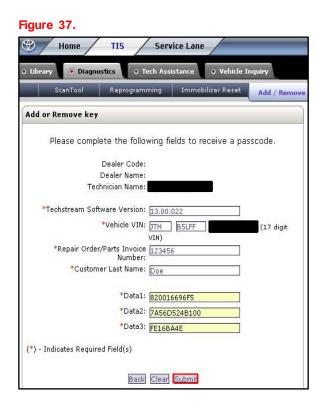
6. Enter the password and select Login.

#### Figure 36.

ScanTool Reprogramming Immobilizer Reset Add / Remove Key			
Add or Remove ke	y		Ref
	Receive a P		To) A c Tra
Registration or Undes	ignated Key Permaner	quired to perform Sma It Erasure Utilities in Te	chstream. Toy A c
	-	e, erased keys can neve o the Add / Remove Ke	Toy
Pas	sword:		Toj Fin

### Smart Code Registration (continued)

- 7. Make sure each text box is populated with the correct information from the previous Techstream screen.
- 8. Select Submit.



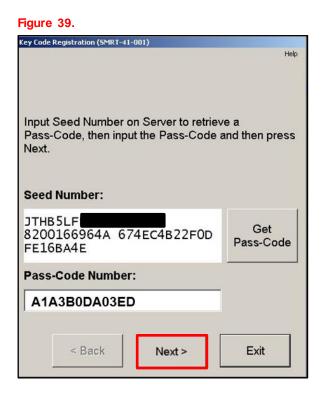
9. The bolded passcode may be copied and pasted back into Techstream.

#### Figure 38.



### Smart Code Registration (continued)

10. Copy and paste the number (with no additional spaces) into the Pass-Code Number box and select Next.



### Make sure there is enough room for additional key codes. The white box outlined in red shows the number of available spaces to add this session's NEW key(s).

12. AFTER confirmation of step 11, select Next.

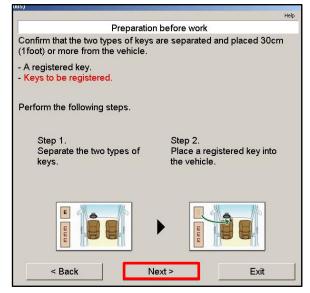
#### Figure 40.

104)		Help
Chec	k the current number of key	codes
Current number of ke	ey codes	
	Number of available spaces for new codes	
	6	
	Number of registered key codes	
	1	
Check the current nu continue.	mber of key codes, then pre	ess "Next" to
New keys can only be	e registered if spaces are av	/ailable.
If available spaces for registered.	or new codes is 0, no new ke	eys can be

### Smart Code Registration (continued)

- 13. Place the currently registered key and the NEW unregistered key(s) outside the vehicle.
- 14. BEFORE the procedure begins, bring the registered key into the vehicle.
- 15. Select Next.

### Figure 41.

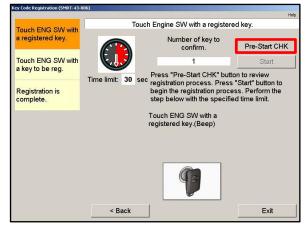


- 16. Touch the ignition switch with the registered key.
- 17. Select Pre-Start CHK to review the registration process.

### NOTE

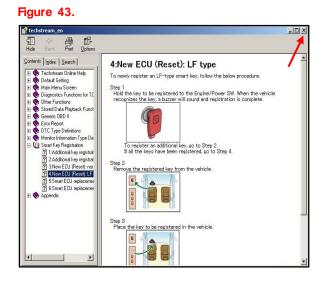
Pre-Start CHK MUST be selected BEFORE continuing to the next step.

Figure 42.



### Smart Code Registration (continued)

18. AFTER the Pre-Start CHK is reviewed, close it and select Start.



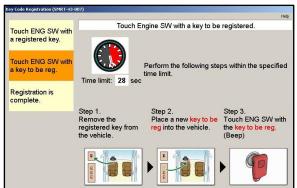
19. Touch the ignition switch with the NEW key. The vehicle will beep twice AFTER each key is registered.

### NOTE

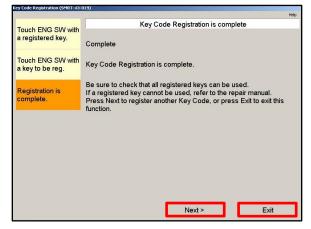
If adding keys AFTER performing an immobilizer reset, multiple keys can be added at a time. The vehicle will beep once each time a NEW key is registered. Repeat this step until ALL NEW keys are registered.

- 20. Function-check the keys by pressing the buttons (lock/unlock/panic/trunk) and make sure the vehicle will start with the key.
- 21. Select Next to restart the process to add another key.
- 22. Select Exit to close the utility.

#### Figure 44.



#### Figure 45.



### **Undesignated Key Permanent Erasure**

Please reference the Techstream and TIS screenshots in this bulletin.

1. Select Undesignated Key Permanent Erasure.

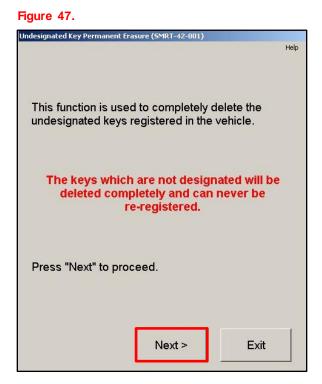
### NOTE

Make sure ALL keys to be reused are present.

Techstream (Ver 12	2.30.017) - 11813		- 0 -
ile Function Setup			
System Select   Sto	ored Data Smart Access Live		
2019 Avalon 2GR-FKS	Utility Selection Menu Select desired Utility and then press Next button.		
007203 mile	Operation History	Wireless Door Lock Diagnosis Mode	
нт	Customize	Communication Check(Key Diag Mode)	
3 m	ECU Communication ID Registration	Smart Code Registration	
Trouble Codes	Smart Code Reset	Undesignated Key Permanent Erasure	
modble codes	Driver Information Registration		
Data List			
Active Test			
Monitor			
(			
Utility			
Dual Data List			
			-
			*
TIS Search			<u>~</u>
Print			
Funt			N
Close			
600-01 Smart Access		Default User	DLC 3

### Undesignated Key Permanent Erasure (continued)

- Read the warning message BEFORE continuing. The keys that are NOT present in this procedure will be permanently erased from the vehicle. Erased keys will NOT be functional on this, or ANY vehicle.
- 3. Select Next.



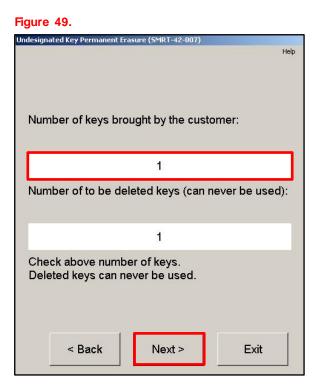
4. Input the number of customer keys that are present and select Next.

#### Figure 48

Undesignated Key Permanent Erasure (	5MRT-42-005)	Help
		пер
Input the number of keys customer into the "Custon		
Customer Keys:	1	Input
Vehicle Keys:	2	_
"Vehicle Keys" displays th in the vehicle.	e number of i	registered key
< Back	Next >	Exit

### Undesignated Key Permanent Erasure (continued)

5. The customer keys listed will NOT be erased during the procedure. Confirm the numbers of keys to be kept, then select Next.



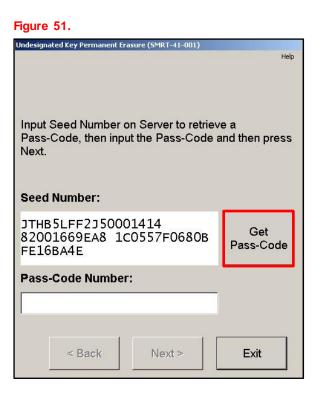
- Confirm that ONLY the keys touched to the ignition are to be kept. ALL other keys NOT touched to the ignition will be deleted and CANNOT be reused on ANY vehicle.
- 7. Check I agree, then select Next.

#### Figure 50.

Undesignated Key Permanent Erasure (SMRT-42-008) <caution> The keys that have not been touched switch will be deleted and can never k Those keys can never be re-registered</caution>	be re-used.
Check "I agree" then press "Next", pr started.	ocess will be
I agree	
< Back Next >	Exit

### Undesignated Key Permanent Erasure (continued)

8. Select Get Pass-Code.



9. Select Send to open a link to TIS.

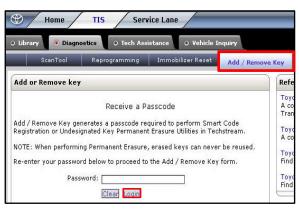
#### Figure 52.

ID THB5LF 20016696F5 A56D524B100 E16BA4E	4 8 8
20016696F5 A56D524B100	8
A56D524B100	
	В
E16BA4E	
	nd" to send the ID to the S py" to copy the ID to the C

### Undesignated Key Permanent Erasure (continued)

- 10. Make sure the Add/Remove Key tab is selected.
- 11. Enter the password and select Login.

#### Figure 53.



- 12. Make sure each text box is populated with the correct information from the previous screen.
- 13. Select Submit.

### Figure 54.

ScanTool	Reprogramming	Immobilizer Reset	Add / Re
		77	1
ld or Remove key			
Please complete	the following fi	elds to receive a pa	asscode.
De	aler Code:		
	aler Name:		
Techni	cian Name:		
*Techstream Softwa	re Version: 13.00.	022	
*v	ehicle VIN: DTH		(17 digi
	VIN)		
*Repair Order/Pa	nts Invoice 12345 Number:	6]	
*Customer	Last Name: Doe		
	*Data1: 82001	660655	
	*Data2: 7456D	and the second s	
	*Data3: FE16B	H4C	
) - Indicates Required F	field(s)		

### Undesignated Key Permanent Erasure (continued)

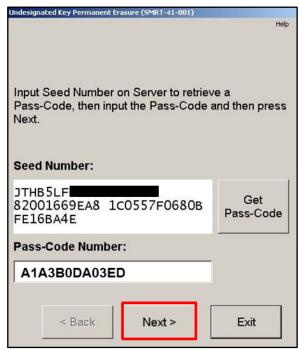
14. The bolded passcode may be copied and pasted back into Techstream.





- 15. Copy and paste the number into the Pass-Code Number text box.
- 16. Select Next.

#### Figure 56.



### Undesignated Key Permanent Erasure (continued)

- 17. One at a time, touch the keys to the ignition switch. The vehicle will beep once per key.
- 18. Once ALL keys have touched the ignition switch, select Delete to permanently remove ALL keys that did NOT touch the ignition switch.

### NOTE

There is a 30-second timer for this procedure.

Figure 57.		
Undesignated Key Permanent Eras	sure (SMRT-42-017)	
		Help
	1	
	f keys to be e ever be re-us	
When "Delete" is pre re-used. The erased keys can		
Time Remain	ning: 22	sec.
< Back	Delete	Exit

- 19. Undesignated Key Permanent Erasure is now complete. The keys that were NOT touched to the ignition will no longer work on ANY vehicle.
- 20. Select Exit.

#### Figure 58.

