SUBJECT: KEY FOB CODE SAVING/PROGRAMMING INFORMATION

Description: This bulletin provides information for the following:

- General key FOB information including smart key and RKE (Remote Keyless Entry).
- How to program smart key FOB and RKE (Remote Keyless Entry).
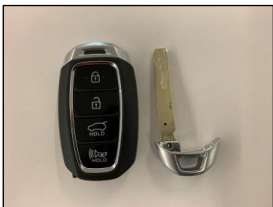- How to program additional key FOB when applicable.

Applicable Vehicles: All Vehicles

Warranty Information:
Normal Warranty Applies

Parts Information:

Various Types of Key FOBs			
Part Name	Part Prefix	Image	Comment
FOB-SMART KEY	95440		Apply to various models
CARD KEY (SMART KEY)	95443		Apply to Equus only
CARD KEY (SMART KEY)	B1064		Apply to 2016 Genesis only
FOB-SMART KEY	95440		Apply to various models
FOB-SMART KEY	95440		Apply to various models
TX ASSY-KEYLESS ENTRY (NOT SMART KEY - RKE)	95430		Apply to various models
TX ASSY-KEYLESS ENTRY (NOT SMART KEY - RKE)	95430		Apply to various models

Service Procedure:

HOW TO RETRIEVE PIN CODE

1. Go to **HyundaiDealer.com**
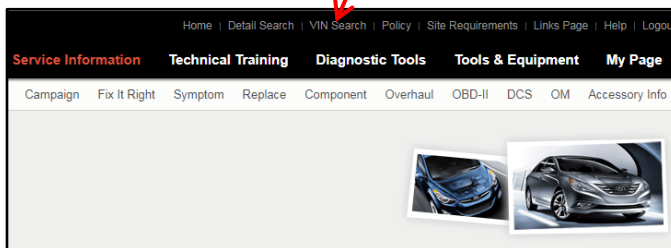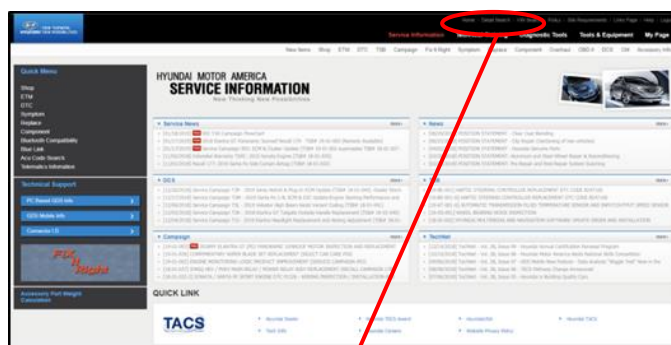
   Enter credentials and select "**Service**", follow by "**Hyundai Tech Info**".
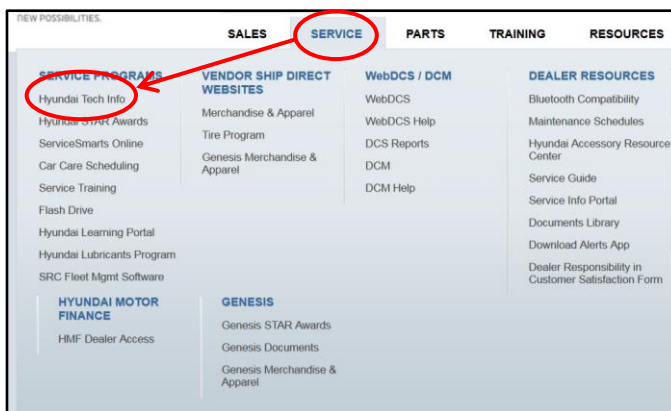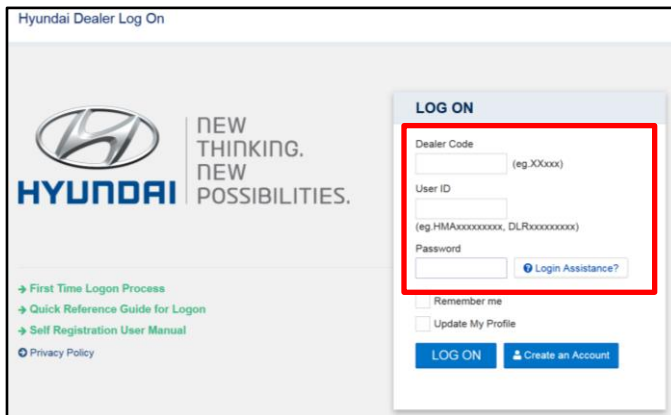
2. Select "**VIN Search**".

3. Enter the VIN, and select "**Search**".

VIN Search		Search

4. Navigate down and select "**Search Key/PIN code**".

NOTICE

After selecting "Search Key/PIN code", the system will request to reenter the log in credential.

▶ **Key Code & Pin code Search**

Search Key/PIN code
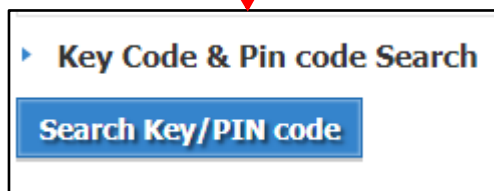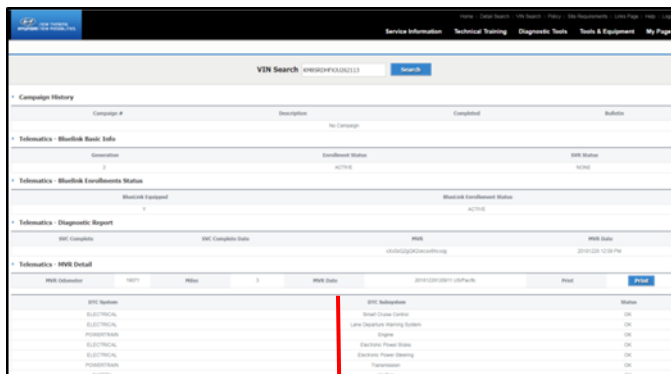
5. Enter the credentials again, and select "**Get Codes**".

Key/PIN Code Search

Dealer Code	
User ID	
Password	Get Codes
VIN No.	5NMS5CAA6KH038192
Key Code	
PIN Code	

Hint: Your user ID & password are the same used to access HyundaiDealer.com

Close
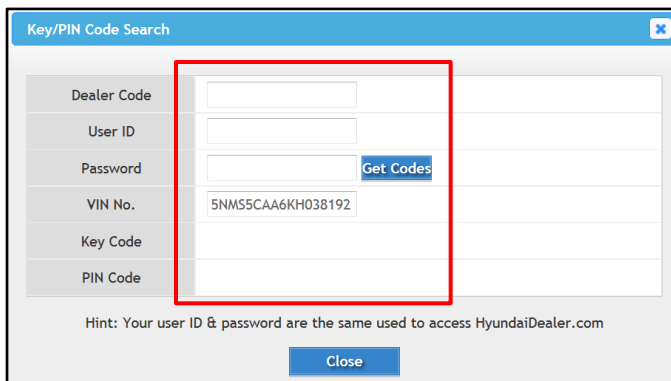
Two pin codes will be provided. "**New**" is the required code for key fob programming.

Key/PIN Code Search

Key Code	M1810
PIN Code	(New)814939 / (Old)724800

Close
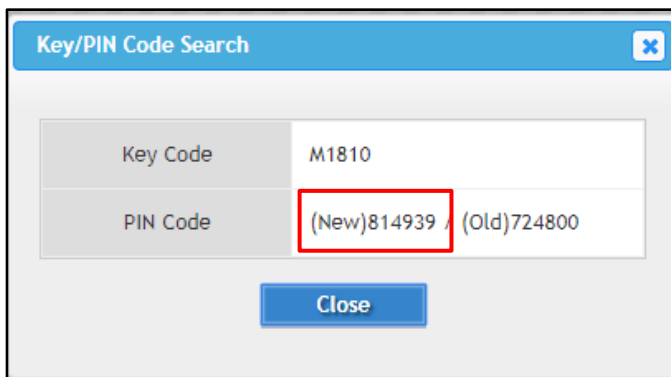
SMART KEY FOB CODE SAVING/PROGRAMMING PROCEDURE

NOTICE

If all Smart Key fobs are lost, then manually input the VIN number in the GDS vehicle selection in step 4, and skip step 2 from below.

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1. Turn the GDS ON.

    Locate the data link connector and install the VCI II.

2. Turn ignition ON.

    ### NOTICE

    Skip this step if all Smart Key fobs are lost.

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3. In the GDS select "**Vehicle Selection**".
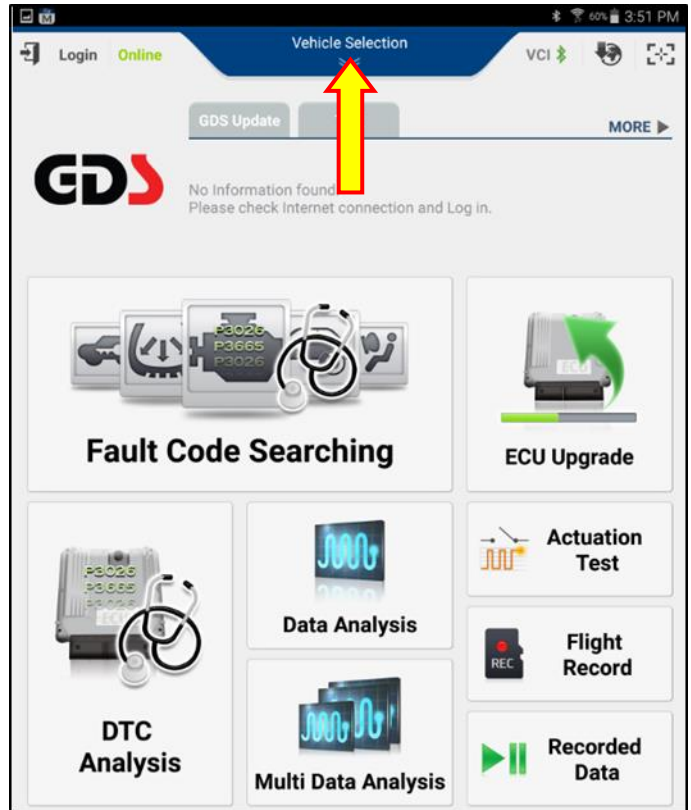
4. Select "**AUTO VIN**".

> ## *NOTICE*
>
> **Manually input the VIN if all Smart Key fobs are lost.**
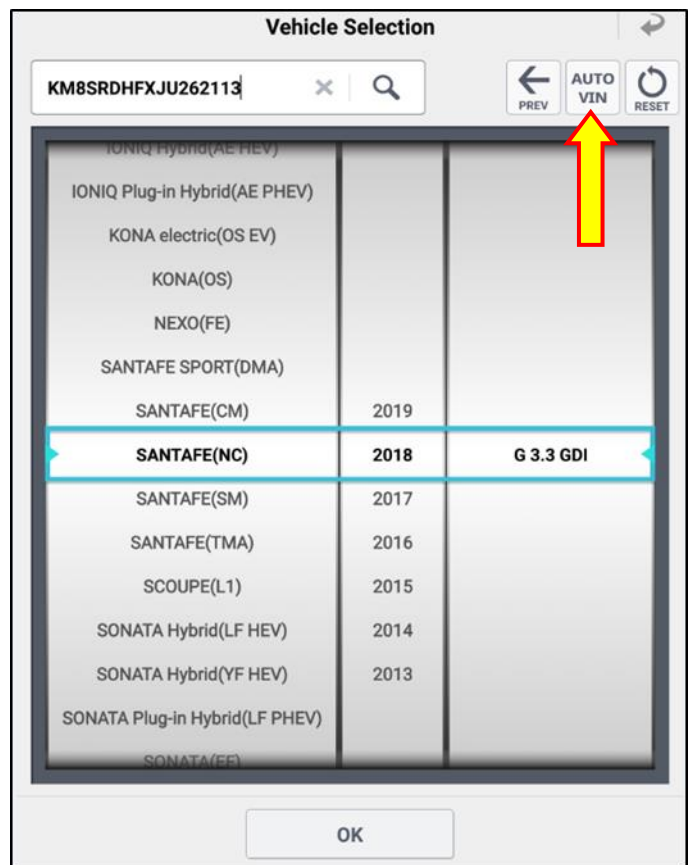
5. Select "**S/W Management**".
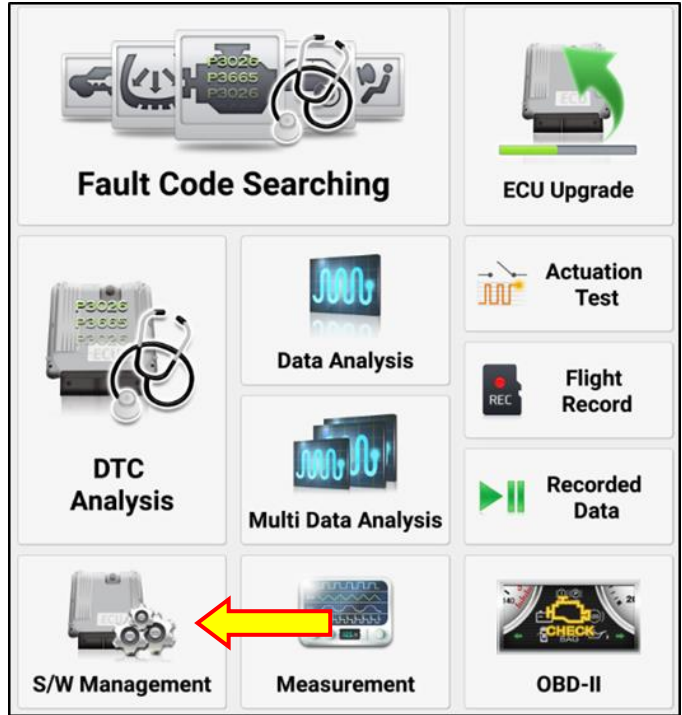
6. On S/W Management page, scroll down, and select "**Smart Key Unit**", followed with "**Smart Key Code Saving**".
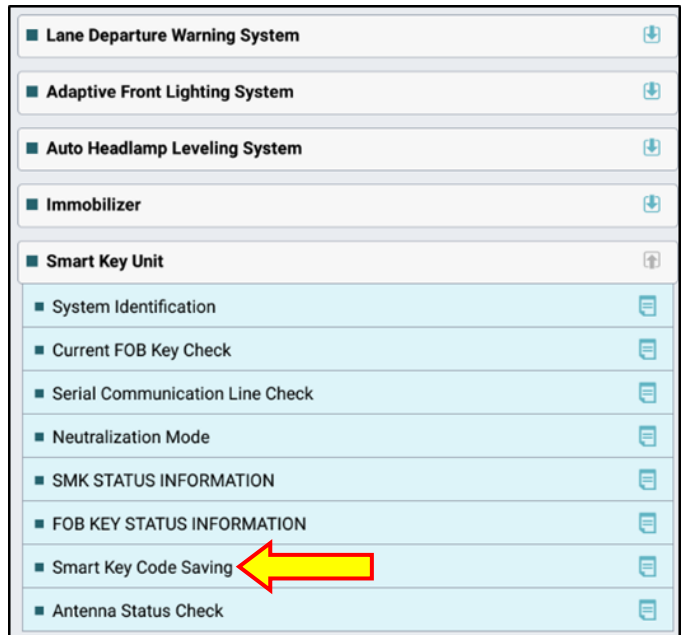
7. Caution screen will prompt user not to touch system buttons (Back, Home, etc).
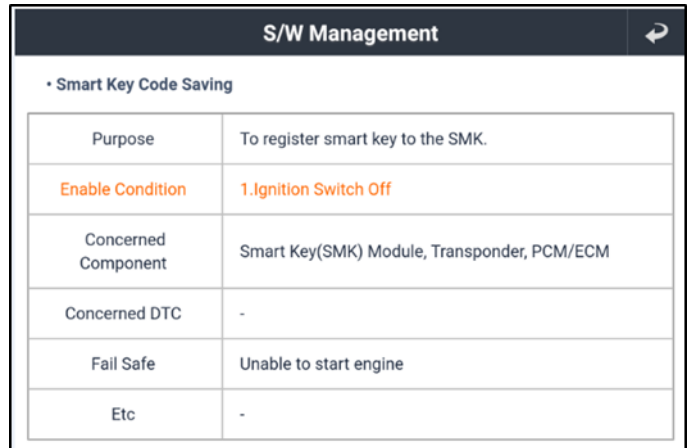
Select "**OK**", and allow the GDS to scan the vehicle. Process should take approximately 10 seconds.

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8. User will be prompted on the conditions which must be met prior to code saving.

   Once conditions are met, select "**OK**".

   ### NOTICE

   Ignition button must be in the OFF position prior to selecting "OK".

S/W Management	
• Smart Key Code Saving	
Purpose	To register smart key to the SMK.
Enable Condition	1.Ignition Switch Off
Concerned Component	Smart Key(SMK) Module, Transponder, PCM/ECM
Concerned DTC	-
Fail Safe	Unable to start engine
Etc	-

9. Obtain the key FOB(s) to be programmed.

   When ready, select "**OK**" to proceed.

   S/W Management

   ■ Smart Key Code Saving

   ● [Smart key code saving]
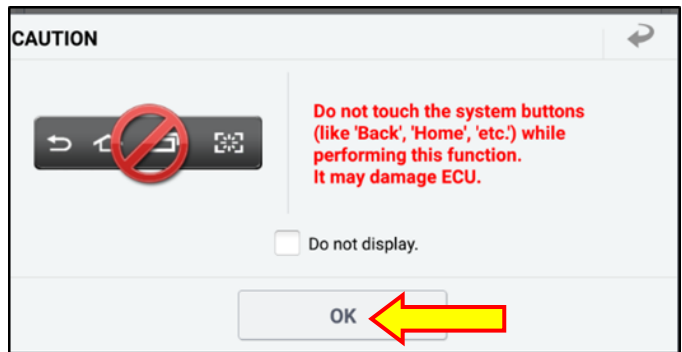
   ●[Condition]
   1. IG Off

   Please have FOB key to teach and press [OK] button.
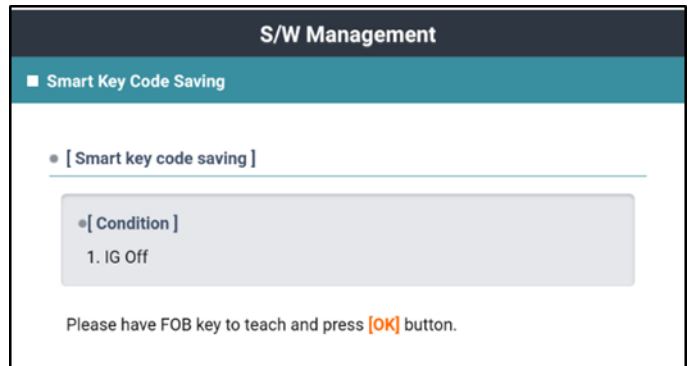
10. Enter pin code that was found on hyundaitechinfo.com, then select "**OK**".

    S/W Management

    ■ Smart Key Code Saving

    ● [Smart key code saving]

    Status : LEARNT

    Input PIN code and press [OK] button.

    This function may be limited If the PIN code is entered incorrectly three times.

    Please enter carefully.
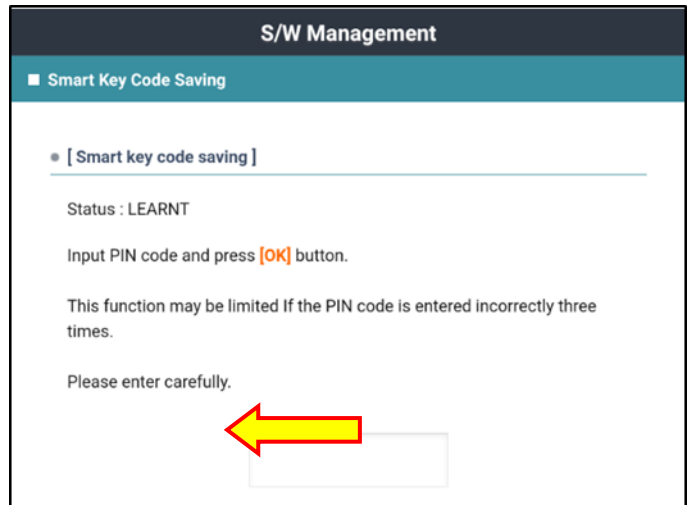
11. When ready, select "**OK**" then take the first key FOB and press the Start-Stop-Button as demonstrated in the picture to the right.

> ### NOTICE
>
> - **Do not use your finger to press the SSB (Start-Stop-Button). Only use the Key FOB to press the SSB.**
> - **The key FOB must be pressed against the SSB within 5 seconds.**

S/W Management

■ Smart Key Code Saving

● [Smart Key Code Saving]

1st key teaching

Click [OK] , and then press SSB(Start Stop Button) using 1st FOB within 5 seconds.

(Do not use your finger to press SSB, but use FOB itself)

Continue? (OK/Cancel)
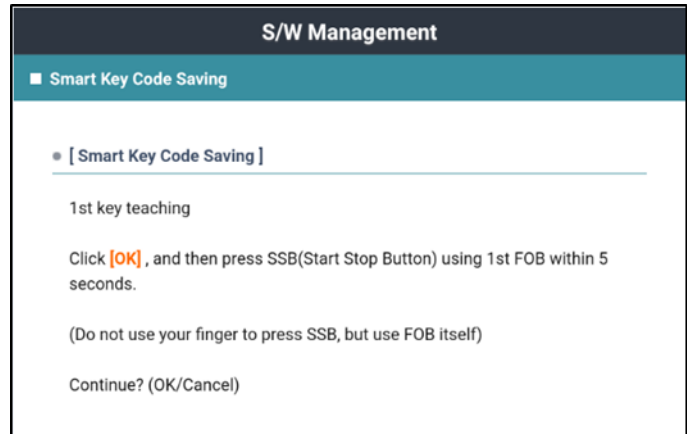
12. After the first Key FOB is paired, select "**OK**" and repeat step 11.

S/W Management

■ Smart Key Code Saving

● [Smart Key Code Saving]

1st key teaching completed!

Click [OK] , and then press SSB(Start Stop Button) using 2nd FOB within 5 seconds.

(Do not use your finger to press SSB, but use FOB itself)

Continue? (OK/Cancel)
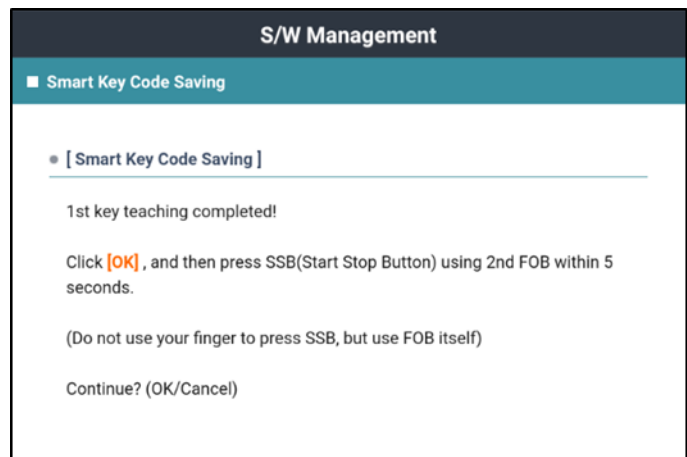
13. After programming the second key FOB, the following message may appear depending on the vehicle model and type of key FOB:

   A. *"Smart key teaching completed!"*. This message means no additional key FOB may be programmed.

   B. *"Click OK and then press SBB using 3rd FOB within 5 seconds"*. This message means an additional key FOB may be programmed.

> ### NOTICE
>
> **Some models may allow more than 2 key FOBs to be programmed to the vehicle. Please refer to the GDS message after programming the second key FOB.**
>
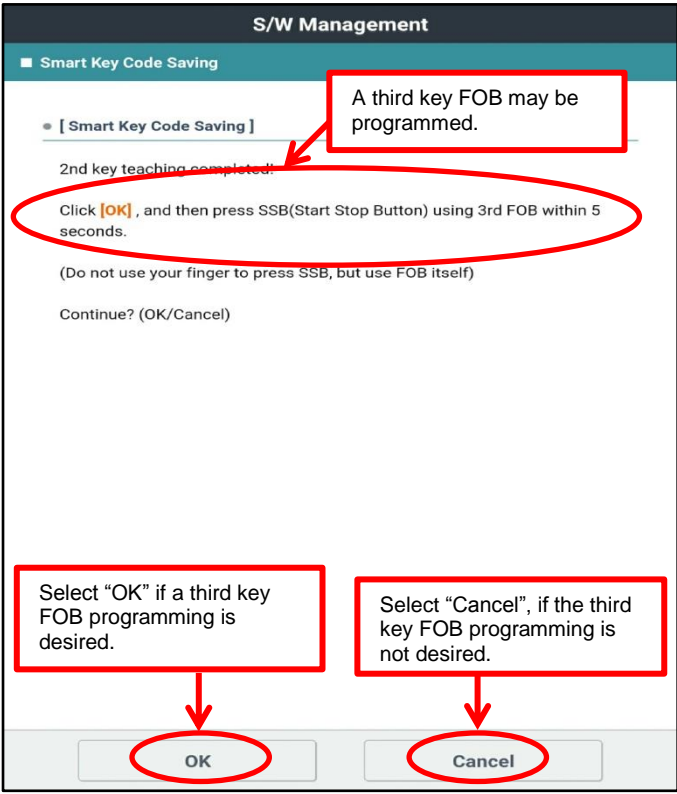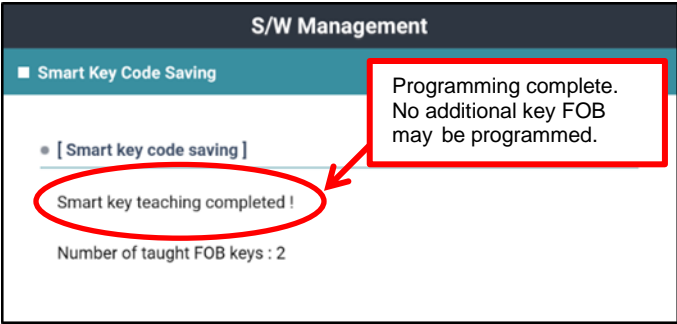> **If the third key FOB programming is not desired, then select Cancel.**

> ### NOTICE
>
> **The procedure of programming the CARD KEY FOB is exactly the same as the smart key FOB.**
>
> **The CARD KEY FOB only applies to Equus vehicles.**

> ### NOTICE
>
> **Once a key FOB is paired to a certain vehicle, it is permanently programmed to that specific vehicle VIN. The key FOB cannot be programmed to a different vehicle VIN.**

14. After key FOB programming is completed, confirm it is able to lock/unlock the vehicle. Confirm the vehicle is able to start the engine.

S/W Management

■ Smart Key Code Saving

● [Smart key code saving]

Smart key teaching completed !

Number of taught FOB keys : 2

Programming complete. No additional key FOB may be programmed.

S/W Management

■ Smart Key Code Saving

● [Smart Key Code Saving]

2nd key teaching completed!

Click [OK] , and then press SSB(Start Stop Button) using 3rd FOB within 5 seconds.

(Do not use your finger to press SSB, but use FOB itself)

Continue? (OK/Cancel)

A third key FOB may be programmed.

Select "OK" if a third key FOB programming is desired.

Select "Cancel", if the third key FOB programming is not desired.

OK   Cancel

REMOTE KEYLESS ENTRY (RKE) CODE SAVING/PROGRAMMING PROCEDURE

> ### *NOTICE*
>
> **Generally, when programming a keyless entry key FOB, a key code is not required. However, if a key code is required, follow pages 3-4 for key code retrieval instructions.**

> ### *NOTICE*
>
> **If all Remote Keyless Entry fobs are lost, then manually input the VIN number in the GDS vehicle selection in step 4, and skip step 2 from below.**

1. Turn the GDS ON.

   Locate the data link connector and install the VCI II.
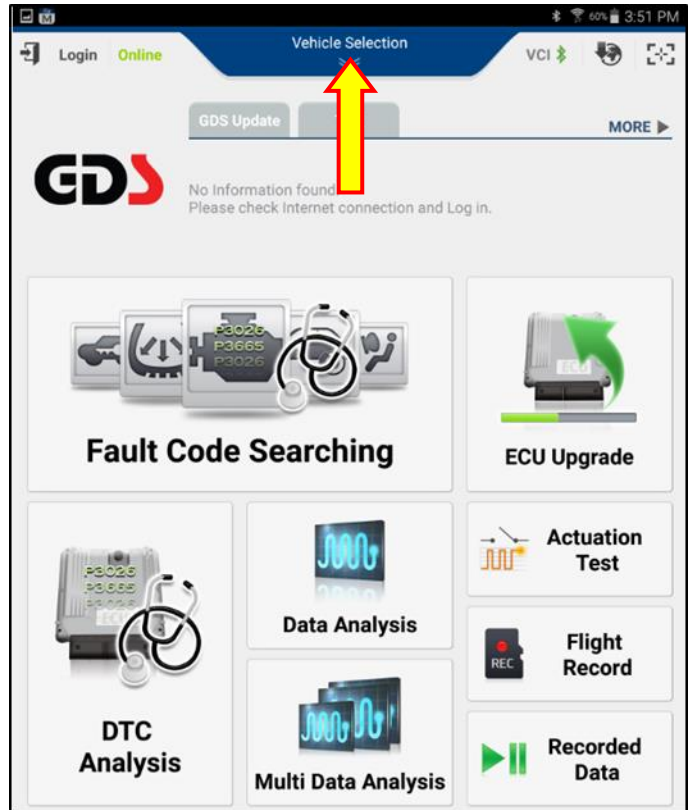

2. Turn ignition ON.

   > ### *NOTICE*
   >
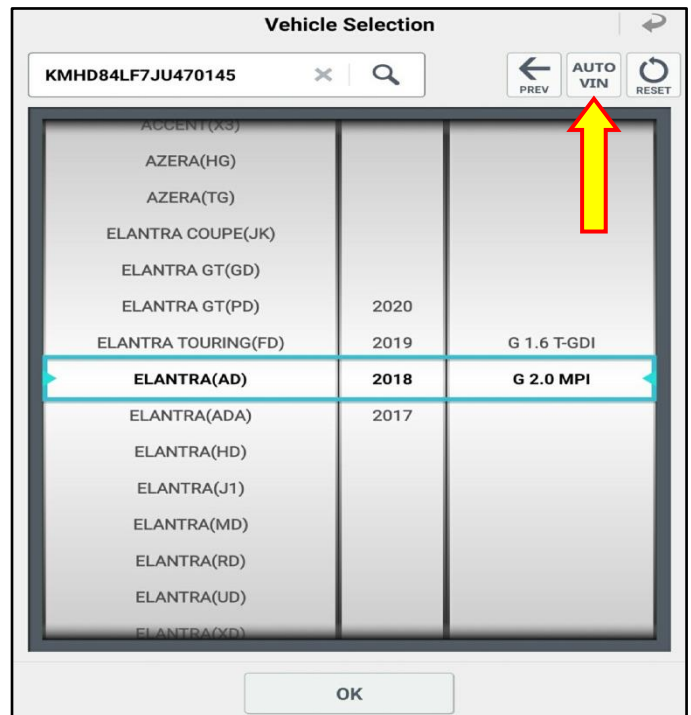   > **Skip this step if all Remote Keyless Entry fobs are lost.**

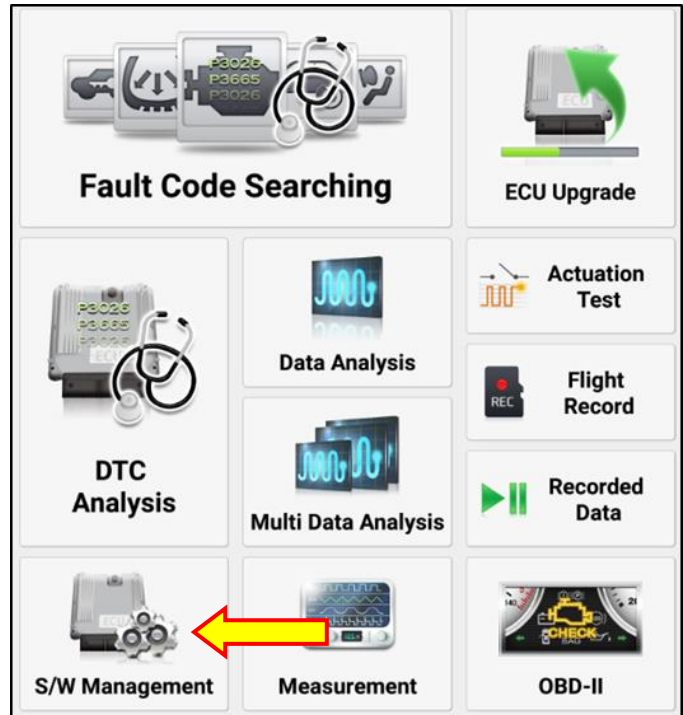3. In the GDS, select "**Vehicle Selection**".

4. Select "**AUTO VIN**".

> ### NOTICE
>
> **Manually input the VIN if all Remote Keyless Entry fobs are lost.**

5. Select "**S/W Management**".

6. On S/W Management page, scroll down, and select "**Transmitter Code Saving**", followed with "**Code Saving**".

7. Caution screen will prompt user not to touch system buttons (Back, Home, etc).

    Select "**OK**", and allow the GDS to scan the vehicle. Process should take approximately 10 seconds.

	S/W Management	↩
• Code Saving		
Purpose	To save transmitter code to the ECU.	
Enable Condition	1. Battery Volt : more than 9.6V 2. Check surroundings that can cause the interference	
Concerned Component	CODE (Remote Control)	
Concerned DTC	-	
Fail Safe	-	
Etc	In case additional remote controller is required, resister additional remote controller with this function.	

8. User will be prompted on the conditions which must be met prior to code saving.

    Once conditions are met, select "**OK**".

S/W Management

■ Code Saving

• [Code Saving Method]

1. Remove the IG. key from the key cylinder.

2. Press [OK] button. Wait 2 seconds, then press the [Lock] button on the transmitter for more than 1 second.

3. Press [OK] button when you are ready.

> **NOTICE**
>
> **Turn the ignition OFF and remove the key from the key cylinder then select "OK".**

9. After selecting "**OK**", wait two seconds and then press the Lock button as instructed in the GDS.
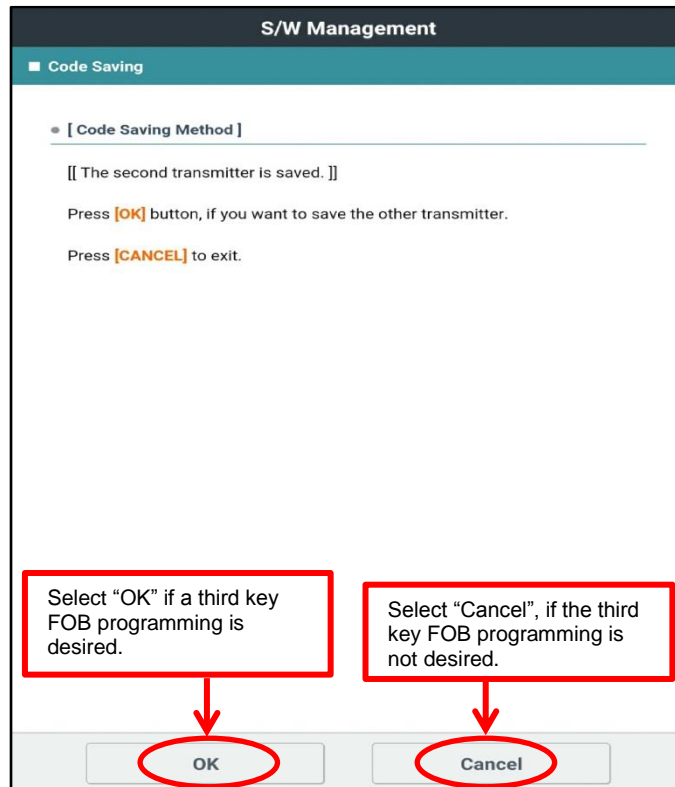
    Follow the instructions in the GDS to program the remaining key FOBs.

S/W Management

■ Code Saving

Press [LOCK] button on the transmitter for 1 sec.
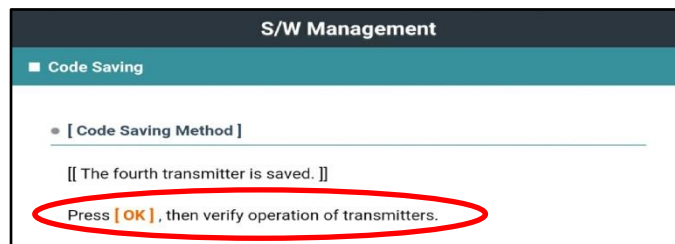
No. of registered transmitter : 0 EA

10. Generally, up to four remote keyless entry (RKE) key FOBs can be programmed.

    If only two key FOBs are desired for programming, then after programming the second key FOB select "**CANCEL**", when prompted on the GDS to program the third key FOB.

S/W Management

■ Code Saving

● [Code Saving Method]

[[The second transmitter is saved.]]

Press [OK] button, if you want to save the other transmitter.

Press [CANCEL] to exit.

Select "OK" if a third key FOB programming is desired.

Select "Cancel", if the third key FOB programming is not desired.

OK   Cancel

If the message on the right appears after programming a key FOB, then the maximum number of key FOB programming has been reached.

S/W Management

■ Code Saving

● [Code Saving Method]

[[The fourth transmitter is saved.]]

Press [OK], then verify operation of transmitters.

11. After key FOB programming is completed, confirm it is able to lock/unlock the vehicle. Confirm the vehicle is able to start the engine.