

GROUP	NUMBER
BODY ELECTRICAL	19-BE-006H
DATE	MODEL(S)
MARCH, 2019	ALL VEHICLES

**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	Constant of the second s	Apply to Equus only	
CARD KEY (SMART KEY)	B1064	GENESIS	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**".



	SALES	CE PARTS	TRAINING RESOURCES
Hyundai Tech Info Hyundai Tech Info Hyundai Sonyi Awards ServiceSmarts Online Car Care Scheduling Service Training Flash Drive Hyundai Learning Portal	VENDOR SHIP DIRECT WEBSITES Merchandise & Apparel Tire Program Genesis Merchandise & Apparel	WebDCS / DCM WebDCS WebDCS Help DCS Reports DCM DCM Help	DEALER RESOURCES Bluetooth Compatibility Maintenance Schedules Hyundia Accessory Resource Center Service Ouide Service Info Portal Documents Library
Hyundai Lubricants Program SRC Fleet Mgmt Software			Download Alerts App Dealer Responsibility in Customer Satisfaction Form
HYUNDAI MOTOR FINANCE HMF Dealer Access	GENESIS Genesis STAR Awards Genesis Documents Genesis Merchandise & Apparel		

2. Select "VIN Search".



- 3. Enter the VIN, and select "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.

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Bacak technool Balan ACD-0	SVE Molec ACM
Batisk feedbaset Rotes ACTA	WWE Blacker ACPAE
Batisk tersformet Robe ACTA	DVR Hotes NOVE
Bacisk Involument Matan ACTIN	NONE
Badisk Evolution (Satur ACT-6	
Mastink Enrollment Status ACTI-E	
ACTIVE	
195/6	Halk Date
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VIN Search

Search

5. Enter the credentials again, and select "Get Codes".

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

Search Key/PIN code

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.

1. Turn the GDS ON.

Locate the data link connector and install the VCI II.



2. Turn ignition ON.



Skip this step if all Smart Key fobs are lost.



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".



Lane Departure Warning System Adaptive Front Lighting System Auto Headlamp Leveling System ٢ Immobilizer Smart Key Unit System Identification Current FOB Key Check Serial Communication Line Check Neutralization Mode SMK STATUS INFORMATION FOB KEY STATUS INFORMATION Smart Key Code Saving Antenna Status Check



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.

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".

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

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

	S/W Managamant	ھ
• Smart Key Code Savi	s/w management	~
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		

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  $\ensuremath{\left[\text{OK}\right]}$  , 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 3<sup>rd</sup> 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]	A third key FOB may be programmed.		
2nd key teaching completed:			
Click [OK] , and then press SSB(Start seconds.	Stop Button) using 3rd FOB within 5		
(Do not use your finger to press SSB	, but use FOB itself)		
Continue? (OK/Cancel)			
Select "OK" if a third key FOB programming is desired.	Select "Cancel", if the third key FOB programming is not desired.		
ОК	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.



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".

S/W Management	
Systems Components	Unfold All
Motor Driven Power Steering	•
Tire Pressure Monitoring	
Parking Guide System	۲
Blind Spot Detection	۲
Multi Function Camera	۲
Adaptive Front Lighting System	
Immobilizer	۲
Smart Key Unit	۲
Assist Door Module	۲
Body Control Module	۲
Cluster Module	۲
Driver Door Module	۲
Power Seat Module	۲
Smart Junction Block	۲
Transmitter Code Saving	•
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.

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		
Purpose	To save transmitter code to the ECU.	
Enable Condition	<ol> <li>Battery Volt : more than 9.6V</li> <li>Check surroundings that can cause the interference</li> </ol>	2
Concerned Component	CODE (Remote Control)	
Concerned DTC	-	
Fail Safe	-	
Etc	In case additional remote controller is required, resiste additional remote controller with this function.	ər

#### 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.



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.



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

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.

	S/W Management
-	Code Saving
	Code Saving Method ]
	[[ The fourth transmitter is saved. ]]
<	Press <b>OK</b> , then verify operation of transmitters.