

GROUP	NUMBER
CAMPAIGN	20-01-031H-1
DATE	MODEL(S)
JULY, 2020	Sonata Hybrid (DN8 HEV)

SUBJECT:

INFORMATION FOR PROGRAMMING THE NEAR FIELD COMMUNICATION (NFC) CARD (SERVICE CAMPAIGN T5E)

This TSB supersedes 20-01-031H to include Section D. Troubleshooting – Pairing NFC Card with GDS.

***** IMPORTANT

*** Dealer Stock and Retail Vehicles ***

Dealers must perform this Service Campaign on all affected vehicles prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair.

When a vehicle arrives at the Service Department, access Hyundai Motor America's "Warranty Vehicle Information" screen via WEBDCS to identify open Campaigns.

Description: This bulletin describes the procedure to program the NFC Card only when no other NFC card has been paired to the vehicle previously.



Applicable Vehicles: Certain 2020MY Sonata Hybrid (DN8 HEV) equipped with SEL, Limited (Trims)

Parts Information:

Part Name	Part Number	Image	Qty.
NFC Card Key	L0H81-AK000	S5 Automat	1

Circulate To: General Manager, Service Manager, Parts Manager, Warranty Manager, Service Advisors, Technicians, Body Shop Manager, Fleet Repair

Warranty Information:

Model	Op Code	Op Code Description	Op Time	Causal P/N	Nature Code	Cause Code
Sonata Hybrid (DN8 HEV)	00A001R0	Card Pairing	0.2 M/H	L0H81-AK000	ІЗТ	ZZ3

Note: Submit claim under campaign claim entry screen

This TSB is **ONLY** applicable when no other NFC card has been paired to the vehicle previously.

Notes: For models with Navigation, complete Card Pairing Process on the AVN. For models with Non-Navigation Head Units, complete pairing process with the cluster.

NOTICE

If unable to program the card key through the Head Unit or Cluster, proceed to **Section D** (Page 9) for troubleshooting measures.

Service Procedure:

A. Head Unit Identification

1. Identify if the Head Unit is a Navigation or Non-Navigation System.

Non-Navigation contains two knobs

Navigation contains only one Knob



NOTICE

Section B: Non-Navigation proceed to **Page 3** Section C: Navigation jump to **Page 6**





B. NFC Pairing for Non-Navigation Head Unit

1. Remove the key card in plastic sleeve from the box.



2. Place the key card on the wireless charging pad.

3. With at least 1 key FOB inside the vehicle, turn IG ON, without engine running to power on the cluster.

Scroll to User Settings.

4. Press **Digital Keys** followed by **Card Key**.

5. Choose **Save** under the card Key screen.

Confirm card key saved.

Save cannot be selected anymore.

ar 🔺 🔯 Ø rid **User Settings** Digital Keys Driver Assistance > Door 20 - -Lights Convenience ECO 8mi E 74 F Ρ Hold OK : Help Digital Keys ⇒ Back Enable digital ke... Smartphone key Ē 20 Card key Serial Number ECO н 74 F 8mi F Ρ 🕆 126mi 60 Card key 17 <mark>⇒ Bac</mark>k Save Delete 20 ECO 8mi 74'F E D 🖹 126 mi 60 brid Card key ➡ Back Delete 20 ECO 74 F 8mi

6.

7. Turn IG OFF and exit vehicle with both the programmed card key as well as the key FOB.

Place the Key FOB at least 6 feet away from the vehicle and place the programmed card key to the driver side door to confirm that it arms and disarms the vehicle alarm system.

8. Loop the programmed card key with the 2 key FOBs.

NOTICE

If the vehicle has been retailed, this step is no longer necessary.



C. NFC Pairing for Navigation Head Unit

1. Remove the key card in plastic sleeve from the box.



2. Place the key card on the wireless charging pad.



3. With at least 1 key FOB inside the vehicle, turn IG ON without engine running to power on display.

Press Setup and then Vehicle.



4. Scroll down and press **Digital Key** followed by **Card Key**.

5. Press **Save** under the Digital Key screen.

6. Check for **Card Key Saved**. Message as shown to the right.

7. Turn IG OFF and exit vehicle with both the programmed card key as well as the key FOB.

Place the Key FOB at least 6 feet away from the vehicle and place the programmed card key to the driver side door to confirm that it arms and disarms the vehicle alarm system.









8. Loop the programmed card key with the 2 key FOBs.

NOTICE

If the vehicle has been retailed, this step is no longer necessary.



SUBJECT: INFORMATION FOR PROGRAMMING THE NFC CARD (SERVICE CAMPAIGN T5E) D. Troubleshooting – Pairing NFC Card with GDS Login to HyundaiTechInfo.com. WELCOME DEALERS: Log into www.hyundaidealer.com to access Hyundaitechinfo.com. For further instructions see DCS Message "Hyundaitechinfo.com Login Instructions" Enter your user id SIGN IN Verify your password Forgot your password? SIGN UP Register for an account Click on VIN Search, and enter VIN. Home | Detail Search | VIN Search Policy | Site Requirements | Links Page | Help | Logou **Technical Training Diagnostic Tools Tools & Equipment** My Page Symptom Replace Component Overhaul OBD-II DCS OM Accessory Info **VIN Search** Search Key Code & Pin code Search Scroll down to "Key Code & Pin code /PIN code Search". ehicle Specification Model De Model Ye Tm De Body Ty Click on Search Key/PIN code. Click I'm not a Robot, and complete security 🕗 Hyundai Service Website - Google C... task. Q hyundaitechinfo.com/common/key_pin_... 07 1. By selecting I'm not a Robot reCAPTCHA, you agree, represent and warrant that you have been authorized by your dealership to retrieve the requested key and pin codes to specifically service your dealership's customer vehicle. 2. You also agree, represent and warrant that the requested key and pin codes will not be resold or provided at no charge to anyone that is not an employee of your dealership and that said employee will also adhere to these conditions. 3. Failure to comply may result in termination of key and pin code access. I'm not a robot reCAPTCHA

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3.

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Privacy - Terr

SUBJECT: INFORMATION FOR PROGRAMMING THE NFC CARD (SERVICE CAMPAIGN T5E) 5. Write down New pin code, and proceed to 🕗 Hyundai Service Website - Google C... \times the vehicle. Q hyundaitechinfo.com/common/key_pin_... 07 **NOTICE** PIN Code will be needed to complete 1. By selecting I'm not a Robot reCAPTCHA, you agree, represent and warrant that you have been authorized by Step 13. your dealership to retrieve the requested key and pin codes to specifically service your dealership's customer vehicle. 2. You also agree, represent and warrant that the requested key and pin codes will not be resold or provided at no charge to anyone that is not an employee of your dealership and that said employee will also adhere to these conditions. 3. Failure to comply may result in termination of key and pin code access. Key Code 10287 **PIN Code** Jew)724217 (Old)7/7088 Close 6. Insert the GDS scan tool into the vehicle's Onboard Diagnostic II (OBD II) port.

NOTICE

The GDS scan tool must sit flush inside the OBD II port, and the **Function light** must appear before proceeding further.

7. In the GDS, tap **S/W Management**.



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	▶ 06/1	1 GDS MOBIL	E UPDATE - VE	RSION 01-00-0176
	► 06/1	1 GDS MOBIL	E UPDATE - VE	RSION 01-00-0175
	Fault Code	Search	hing	ECU Upgrade
	P3026	J	M	Actuation Test
	-0	Data .	Analysis	Flight Record
	DTC Analysis	JM Multi Da	ta Analysis	Recorded Data
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9. Scroll down to Identity Authentication Unit, expand folder, and tap **Card Key Registry Mode Activation**.

10. Tap **OK**.

11. Confirm card key registration mode is activated and press **OK**.

Ē	S/W Management	
Systems	Components	Unfold A
Driver Door Module		6
Head Up Display		6
Identity Authenticati	on Unit	6
System Identificatio	n	E
Neutralization Mode	3	E
Status Information		E
IAU - IBU Learning F	unction	E
IAU - BLE Learning F	unction	E
Card Key Registry M	lode Activation	E
Integrated Body Con	trol Unit-BCM	6
5 1	Do not touch the syste (like 'Back', 'Home', 'etc performing this function It may damage ECU.	m buttons :') while on.
5 C	Do not touch the syste (like 'Back', 'Home', 'etc performing this function It may damage ECU.	m buttons c.') while on.
⇒ 1	Do not touch the syste (like 'Back', 'Home', 'etc performing this function It may damage ECU.	m buttons 2.) while on.
	Do not touch the syste (like 'Back', 'Home', 'etc performing this function It may damage ECU.	m buttons 2) while on.
➡ dot in the second	Do not touch the systee (like 'Back', 'Home', 'etc performing this function It may damage ECU. Do not display. OK S/W Management mode activated	m buttons 2) while on.
Card key registration Purpose	Do not touch the systee (like 'Back', 'Home', 'etc performing this function It may damage ECU. Do not display. OK S/W Management mode activated This function is a required course for before registering the NFC card key in	m buttons .) while on. prior preparation) AVN or CLU.
Card key registration Purpose Enable Condition	Do not touch the systee (like 'Back', 'Home', 'etc performing this function It may damage ECU. Do not display. OK S/W Management mode activated This function is a required course for before registering the NFC card key in 1. IG OFF	m buttons :) while on. prior preparation h AVN or CLU.
Card key registration Purpose Enable Condition Concerned Component	Do not touch the systee (like 'Back', 'Home', 'etc performing this function It may damage ECU. Do not display. OK S/W Management mode activated This function is a required course for before registering the NFC card key in 1. IG OFF IAU, IBU	m buttons 2) while on. prior preparation h AVN or CLU.
Card key registration Purpose Enable Condition Concerned Component Concerned DTC	Do not touch the syster (like 'Back', 'Home', 'etc performing this function Image Do not display. OK S/W Management mode activated This function is a required course for before registering the NFC card key in 1. IG OFF IAU, IBU -	m buttons 2) while on. prior preparation h AVN or CLU.

Etc

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- 12. Confirm all the preconditions have been met, and press **OK**.
- S/W Management Card Key Registry Mode Activation [Card key registration mode activated] This function is a required course for prior preparation before registering the NFC card key in AVN or CLU. You must get in a car and register the NFC card key through AVN or CLU after completing the process. * Caution : Get in a car within five minutes and register the NFC card key through AVN or CLU after completing the process. • [CONDITION] 1. IG OFF 2. Gearshift lever at P 3. IAU teaching status : Learnt Click the OK button. S/W Management Card Key Registry Mode Activation [Card key registration mode activated] Enter the PIN and click the [OK] button. * Caution : Take care in inputting the PIN because inputting of the wrong PIN or VIN five times may limit the use of this function. PIN : Information The function has been completed. Press [OK] button to exit.

ОК

14. GDS will inform user that "The function has been completed".

Enter new PIN that was retrieved from

HyundaiTechInfo.com (Step 5), and press

Press **OK**.

OK.

13.

15. GDS Service Procedure complete, please proceed back to **Section A** (Page 2).