

 **HYUNDAI**
Technical Service Bulletin

GROUP CAMPAIGN	NUMBER 23-01-014H
DATE FEBRUARY, 2023	MODEL(S) SONATA (LFa) ELANTRA (AD/ADa) VENUE (QX)

SUBJECT: IBU/BCM SOFTWARE UPDATE AND DECALS APPLICATION
(SERVICE CAMPAIGN 993)

*** IMPORTANT**

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.

Access the "Vehicle Information" screen via WEBDCS to identify open campaigns.

Description: Certain Hyundai vehicles may not be equipped with an immobilizer.

This bulletin provides the service procedure to update the IBU/BCM (Integrated Body Control Unit/Body Control Module), to revise the OEM Hyundai burglar alarm system operation and ignition start logic, and installation of two anti-theft decals for the front windows.

STUI



This TSB includes STUI pictures as a requirement. Where indicated, please include the last 6 digits of the VIN and date of repair on a piece of paper. Ensure the VIN and date of repair are clearly visible. Finally, please ensure the captured pictures are completed according to the steps in this TSB and uploaded to STUI. All claims submitted that have illegible, incomplete, missing, or incorrect picture(s) are subject to debit.

NOTICE


Vehicles equipped with aftermarket/add-on alarms or remote start systems may not operate normally if the IBU/BCM is updated with this software.

i Information

Perform the anti-theft decals installation while the BCM software is being updated.

- Applicable Vehicles:**
- Certain 2015-2019MY Sonata (LFa) not equipped with immobilizer and START/STOP ignition button (VIN starts with "5NP").
 - Certain 2017-2020MY Elantra (AD/ADa) not equipped with immobilizer and START/STOP ignition button (ADa VIN starts with "5NP").
 - Certain 2020-2021MY Venue (QX) not equipped with immobilizer and START/STOP ignition button.

SUBJECT:**IBU/BCM SOFTWARE UPDATE AND DECALS APPLICATION
(SERVICE CAMPAIGN 993)****Parts Information:**

PART NAME	PART NUMBER	PART IMAGE	QTY.
Anti-Theft Decal	NP001-SC993 NOTE 1: Parts ordering information can be found in the SC993 Parts Bulletin located in the Documents Library in WebDCS. (HD.com/Parts/DocumentsLibrary/Reference Materials/Parts Bulletin). NOTE 2: Order comes in a roll of 500 decals.		2 decals per vehicle

Warranty Information:


MODEL	OP. CODE	OPERATION	OP. TIME	CAUSAL PART	NATURE	CAUSE
SONATA (LFa)	HYIMMOA0	BCM/IBU UPGRADE AND DECALS APPLICATION	0.3 M/H	95400-C2100	114	ZZ3
ELANTRA (AD) "KMH"	HYIMMOA1			95400-F2AW0		
ELANTRA (ADa) "5NP"	HYIMMOA2			95400-F2AW0		
VENUE (QX)	HYIMMOA3			95400-K2500		

NOTE 1: Submit claim on Campaign Claim Entry Screen.

NOTE 2: If a part that is not covered by this campaign is found in need of replacement while performing this campaign and the affected part is still under warranty, submit a separate claim using the same repair order. If the affected part is out of warranty, submit a Prior Approval request for goodwill consideration prior to performing the work.

NOTE 3: Op times include completing the decal installation for both front windows while the software update is being performed, taking STUI photos, and uploading. The STUI photos must include the anti-theft decals on the driver and passenger front windows clearly visible along with a piece of paper displaying the last 6 digits of the VIN and date of the repair. **If not included, claim will be subject to debit.**

IBU/BCM SOFTWARE UPDATE NOTES

	Refer to the QR code or link below for guided video information: https://vimeo.com/796843448/49ace103a8
---	---

**Information**

- Before proceeding, ensure the vehicle is not equipped with a START/STOP push button.

i Information**Check if the vehicle's current software version will need to be updated:**

- Check the current version of the IBU/BCM ROM ID and compare it to the ROM ID information table listed below before attempting to perform the software update.

i Information**You must initially perform the GDS IBU/BCM Update in Auto Mode.**

- Refer to the TSB 15-GI-001 for the tablet-based Mobile GDS ECU update procedures.
- If the IBU/BCM update starts but then fails in Auto Mode, perform the update in Manual Mode to recover.

i Information

- In the ECU Upgrade screen, select IBU/BCM as the system to update.

GDS INFORMATION:**EVENT INFORMATION**

MODEL	EVENT DESCRIPTION
Sonata (LFa)	932. LF(a) IMMOBILIZER (BCM) LOGIC IMPROVEMENT
Elantra (AD/ADa)	933. AD(a) IMMOBILIZER (BCM) LOGIC IMPROVEMENT
Venue (QX)	934.QX IMMOBILIZER (BCM) LOGIC IMPROVEMENT

MANUAL MODE PASSCODE INFORMATION TABLE:

	MENU	PASSCODE
Sonata (LFa)	BCM 95400-C2100/200	5920
	BCM 95400-C2101/201	6921
	BCM 95400-C2600/610/620/700	7970
Elantra (AD/ADa)	BCM 95400-F2AW0/BB0 (1.00 – 1.07)	2200
	BCM 95400-F2AW1/BB1 (1.12)	2202
	BCM 954A0-F2AL0/AL1 (1.00 – 1.04)	2204
	BCM 954A0-F2AL2/DB0 (1.05 – 1.06)	2206
Venue (QX)	BCM 95400-K2500/01/10/11, 954A0-K2240/41	5400

ROM ID INFORMATION TABLE:

MODEL	MODEL YEAR	BCM/IBU P/N	ROM ID	
			OLD	NEW
Sonata (LFa)	2015 - 2019	95400-C2100 95400-C2200	95400C2100_104 95400C2200_104 95400C2100_103 95400C2200_103 95400C2100_102 95400C2200_102 95400C2100_101 95400C2200_101 95400C2100_100 95400C2200_100	95400C2***_100
		95400-C2101 95400-C2201	95400C2101_200 95400C2201_200	
		95400-C2600 95400-C2610 95400-C2620 95400-C2700	95400C2600_101 95400C2610_101 95400C2620_101 95400C2700_101 95400C2600_100 95400C2610_100 95400C2620_100 95400C2700_100	
Elantra (AD/ADa)	2017 - 2020	95400-F2AW0	95400F2AW0_100 95400F2AW0_101 95400F2AW0_102 95400F2AW0_103 95400F2AW0_104 95400F2AW0_105 95400F2AW0_106 95400F2AW0_107	95400F2***_200
		95400-F2BB0	95400F2BB0_100 95400F2BB0_101 95400F2BB0_102 95400F2BB0_103 95400F2BB0_104 95400F2BB0_105 95400F2BB0_106 95400F2BB0_107	
		95400-F2AW1	95400F2AW1_112	
		95400-F2BB1	95400F2BB1_112	
		954A0-F2AL0	954A0F2AL0_100 954A0F2AL0_101 954A0F2AL0_102 954A0F2AL0_103 954A0F2AL0_104	

		954A0-F2AL1	954A0F2AL1_100 954A0F2AL1_101 954A0F2AL1_102 954A0F2AL1_103 954A0F2AL1_104	
		954A0-F2AL2	954A0F2AL2_105 954A0F2AL2_106	
		954A0-F2DB0	954A0F2DB0_105 954A0F2DB0_106	
Venue (QX)	2020 - 2021	95400-K2500	95400-K2500_0	954*0-K2***_1
		95400-K2510	95400-K2510_0	
		95400-K2501	95400-K2501_0	
		95400-K2511	95400-K2511_0	
		954A0-K2241	954A0-K2241_0	
		954A0-K2240	954A0-K2240_0	

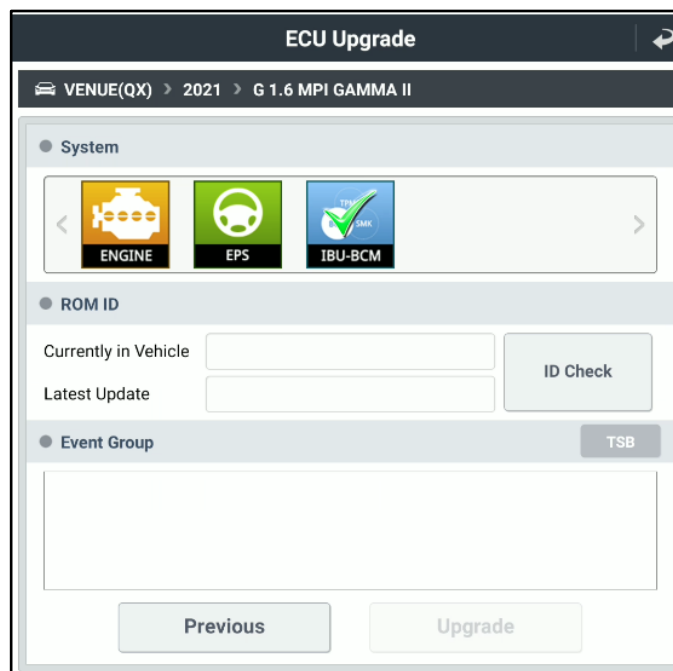
Service Procedure:

SOFTWARE UPDATE

***i* Information**

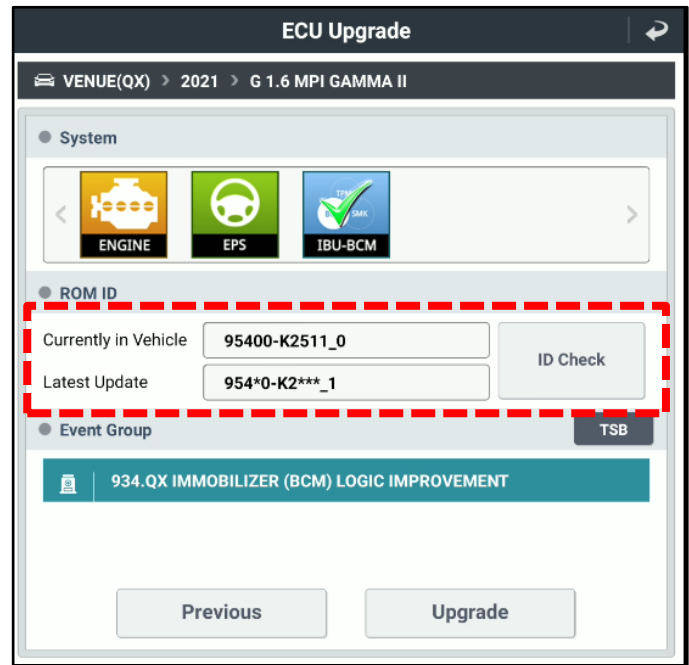
Perform the anti-theft decals installation while the BCM software is being updated.

1. Select IBU/BCM as the system to update.

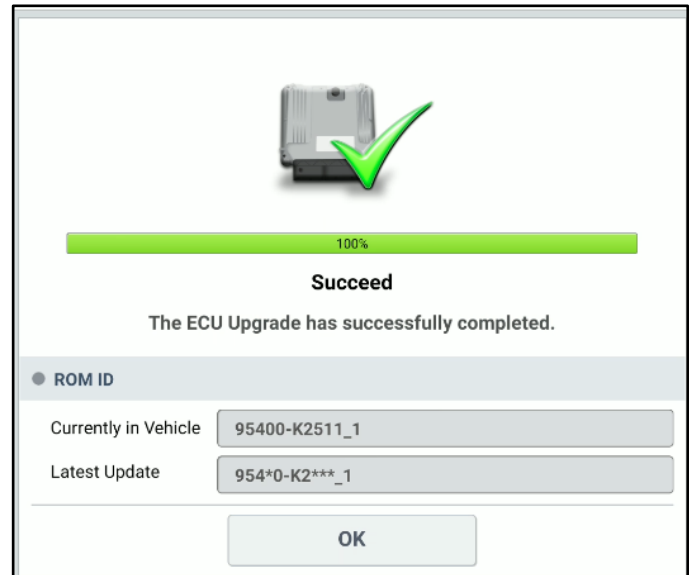


2. Select ID Check.

Check the current version of the IBU/BCM ROM ID and compare it to the ROM ID information table listed above before attempting to perform the software update.



- 2. Perform GDS software update. Refer to TSB **15-GI-001** for the tablet-based Mobile GDS ECU update procedures.
- 3. While the software is updating, perform the anti-theft decals installation as outlined on page 7.
- 4. Ensure the software update was successful with the latest ROM ID.



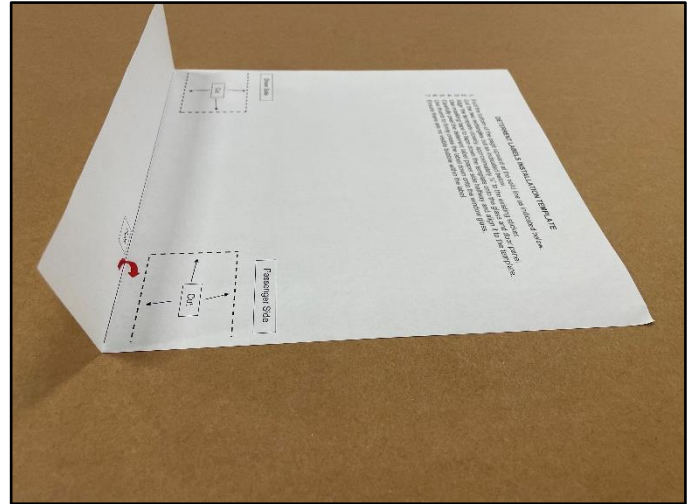
- 5. After the software has updated, check for Diagnostic Trouble Codes in the **ALL** menus and erase any DTC.
- 6. Software update complete.

ANTI-THEFT DECALS INSTALLATION

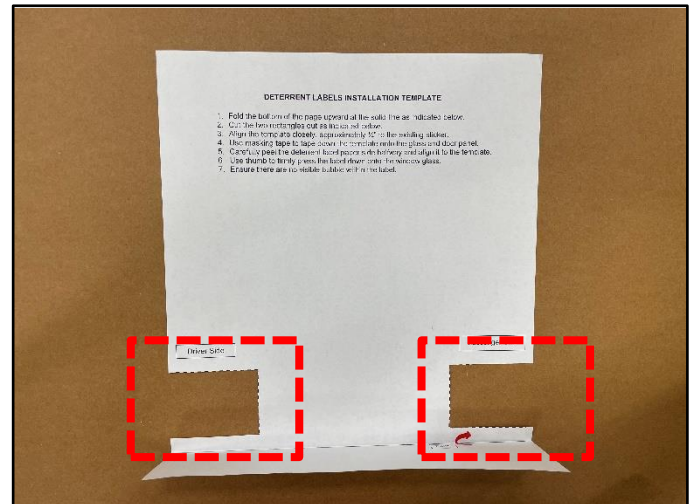
i Information

Perform the anti-theft decals installation while the BCM software is being updated.

1. Print the last page of this TSB, as it is the template to assist with the decals installation.
2. Fold the template from the bottom upward to the solid line.



3. Cut out the two rectangles.



4. Roll both the front driver and passenger windows to the upmost position.

- 5. Use rubbing alcohol and a new rag to clean the inside lower left corner of the front driver side window, and lower right corner of the front passenger side window.

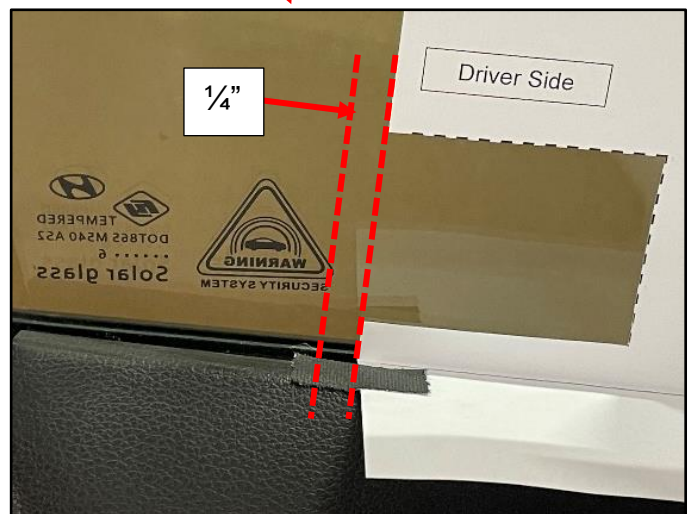
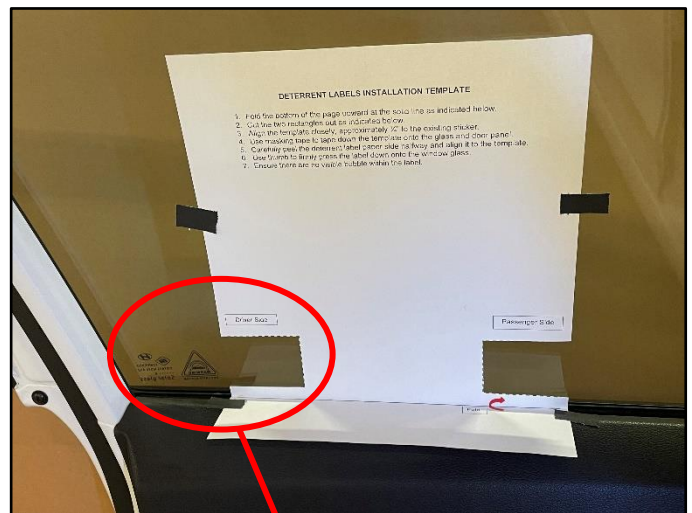
NOTICE

The anti-theft decals can be installed over a tinted window film.

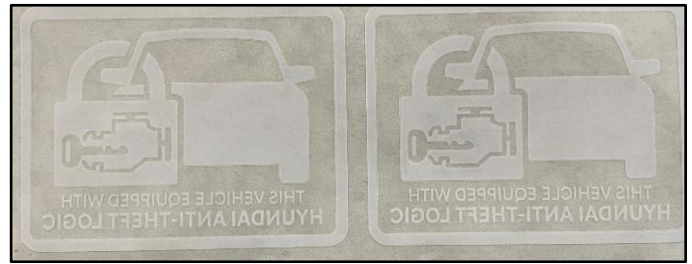


- 6. Align the template edge approximately 1/4" next to the existing label's/decals edge.

Use masking tape to tape down the template onto the glass and door panel.



7. Tear/Cut two anti-theft decals from the roll.



8. Without touching the bottom (glue side) of the decal, carefully pull back the paper side halfway and align it within the cut-out rectangle template.

Use thumb to firmly press the decal down onto the window glass.

NOTICE

Avoid touching the bottom (glue side) of the decal as the fingerprint will reduce the adhesive strength to the window glass.



9. Remove the template.

Continue pressing down in the decal, ensuring there are no visible bubbles within the decal.

10. Repeat the steps 5-9 for the other window.

11.

STUI



Using STUI, take pictures of both the driver and passenger anti-theft decals on the front windows with a piece of paper including the last 6 digits of the VIN and date of the repair. Upload the photos to STUI.

NOTICE

If the window is tinted with a non-legal shade, inform the customer of the possible poor visibility of the anti-theft decals.

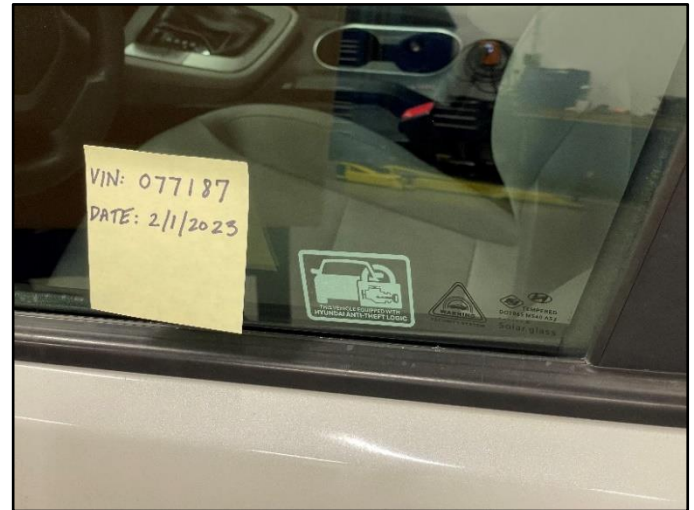
NOTICE

The anti-theft decal template can be reused for all models.

NOTICE

Once the upgrade procedure has been completed, the key fob buttons to lock and unlock the vehicle are required to activate/deactivate the anti-theft system. After using the key fob to activate the anti-theft software, the key fob must be used to first disarm the system prior to attempting to start the vehicle.

Driver Front Window



Passenger Front Window

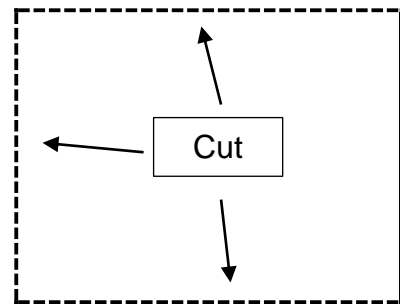
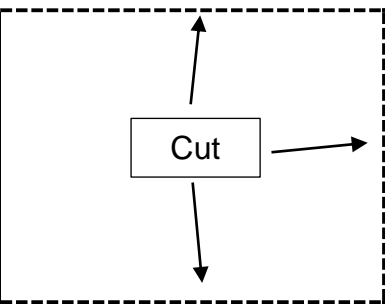


ANTI-THEFT DECALS INSTALLATION TEMPLATE

1. Fold the bottom of the page upward at the solid line as indicated below.
2. Cut the two rectangles out as indicated below.
3. Align the template closely, approximately $\frac{1}{4}$ " to the existing label's edge.
4. Use masking tape to tape down the template onto the glass and door panel.
5. Carefully peel the anti-theft decal paper side halfway and align it to the template.
6. Use thumb to firmly press the label down onto the window glass.
7. Ensure there are no visible bubbles within the decal.

Driver Side

Passenger Side



Fold

