 HYUNDAI Technical Service Bulletin	GROUP CAMPAIGN	NUMBER 23-01-014H-2
	DATE MARCH, 2023	MODEL(S) VARIOUS MODELS
SUBJECT: IBU/BCM SOFTWARE UPDATE AND DECALS APPLICATION (SERVICE CAMPAIGN 993)		

This TSB supersedes 23-01-014H-1 to include additional models 2018-2022 model year Kona, 2012-2017 and 2019-2021 model year Veloster.

★ 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.


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Applicable Vehicles:

Vehicles not equipped with immobilizer and not equipped START/STOP ignition button

- Certain 2015-2019MY Sonata (LFa) (VIN starts with "5NP")
- Certain 2017-2020MY Elantra (AD/ADa) (ADa VIN starts with "5NP", AD VIN starts with 'KMH')
- Certain 2020-2021MY Venue (QX)
- Certain 2012-2017 MY Veloster (FS)
- Certain 2019-2021 MY Veloster (JS)
- Certain 2018-2022 MY Kona (OS)

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		
KONA (OS)	HYIMMOA4			95400-J9GJ0		
VELOSTER (FS)	HYIMMOA5			95400-2V054		
VELOSTER (JS)	HYIMMOA6			95400-J3720		

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>

i 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.
- If Auto Mode update is not available due to unidentified ROM ID, then **DO NOT** perform the update using Manual Mode, call Techline for further instructions.

i Information

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

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SUBJECT:**BCM/IBU SOFTWARE UPDATE AND DECALS APPLICATION
(SERVICE CAMPAIGN 993)****SONATA (LFa)****EVENT INFORMATION**

MODEL	EVENT DESCRIPTION
Sonata (LFa)	932. LF(a) 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

ROM ID INFORMATION TABLE:

MODEL	MODEL YEAR	BCM/IBU P/N	ROM ID	
			OLD	NEW
Sonata (LFa)	2015 - 2019	95400-C2100	95400C2100_100* (*100 – 104)	95400C2***_I00
		95400-C2200	95400C2200_100* (*100 – 104)	
		95400-C2101	95400C2101_200	
		95400-C2201	95400C2201_200	
		95400-C2600	95400C2600_100* (*100 – 101)	
		95400-C2610	95400C2610_100* (*100 – 101)	
		95400-C2620	95400C2620_100* (*100 – 101)	
		95400-C2700	95400C2700_100* (*100 – 101)	

SUBJECT:**IBU/BCM SOFTWARE UPDATE AND DECALS APPLICATION
(SERVICE CAMPAIGN 993)****ELANTRA (AD/ADa)****EVENT INFORMATION**

MODEL	EVENT DESCRIPTION
Elantra (AD/ADa)	933. AD(a) IMMOBILIZER (BCM) LOGIC IMPROVEMENT

MANUAL MODE PASSCODE INFORMATION TABLE:

MENU		PASSCODE
Elantra (AD/ADa)	BCM 95400-F2AW0/BB0 (1.00 – 1.08)	2200
	BCM 95400-F2AW0/BB0 (1.09 – 1.11)	2211
	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

ROM ID INFORMATION TABLE:

MODEL	MODEL YEAR	BCM/IBU P/N	ROM ID	
			OLD	NEW
Elantra (AD/ADa)	2017 - 2020	95400-F2AW0	95400F2AW0_100* (*100 – 108)	954*0F2***_200
		95400-F2BB0	95400F2BB0_100* (*100 – 108)	
		95400-F2AW1	95400F2AW1_112	
		95400-F2BB1	95400F2BB1_112	
		954A0-F2AL0	954A0F2AL0_100* (*100 – 104)	
		954A0-F2AL1	954A0F2AL1_100* (*100 – 104)	
		954A0-F2AL2	954A0F2AL2_105* (*105 – 106)	954*0F2***_300 or 954*0F2***_200
		954A0-F2DB0	954A0F2DB0_105* (*105 – 106)	
		95400-F2AW0	95400F2AW0_109* (*109 – 111)	
		95400-F2BB0	95400F2BB0_109* (*109 – 111)	

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VENUE (QX)

EVENT INFORMATION

MODEL	EVENT DESCRIPTION
Venue (QX)	934.QX IMMOBILIZER (BCM) LOGIC IMPROVEMENT

MANUAL MODE PASSCODE INFORMATION TABLE:

MENU		PASSCODE
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
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	

SUBJECT:**IBU/BCM SOFTWARE UPDATE AND DECALS APPLICATION
(SERVICE CAMPAIGN 993)****VELOSTER (FS)(JS)****EVENT INFORMATION**

MODEL	EVENT DESCRIPTION
Veloster (FS)	966. FS IMMOBILIZER (BCM) LOGIC IMPROVEMENT
Veloster (JS)	968. JS IMMOBILIZER (BCM) LOGIC IMPROVEMENT

MANUAL MODE PASSCODE INFORMATION TABLE:

MENU		PASSCODE
Veloster (FS)	FS BCM 95400-2V070/1 (1.00~1.11)	2070
	FS BCM 95400-2V074/54 (1.00~1.02)	2074
	FS BCM 95400-2V074/184/054 (1.03~1.05)	2184
	FS BCM 95400-2V057/077/187 (2.00~2.05)	2057
Veloster (JS)	JS BCM 95400-J3720	5400

ROM ID INFORMATION TABLE:

MODEL	MODEL YEAR	BCM/IBU P/N	ROM ID			
			OLD	NEW		
Veloster (FS)	2012 - 2017	95400-2V054	954002V054_100* (*100 - 102)	954002V***_110		
		95400-2V074	954002V074_100* (*100 - 102)			
		95400-2V070	954002V070_100* (*100 - 111)	954002V***_120		
		95400-2V071	954002V071_100* (*100 - 111)			
		95400-2V074	954002V074_103* (*103 - 105)			
95400-2V054	954002V054_103* (*103 - 105)	954002V***_210				
95400-2V184	954002V184_103* (*103 - 105)					
Veloster (FS)	2012 - 2017	95400-2V057	954002V057_200* (*200 - 205)	954002V***_210		
		95400-2V077	954002V077_200* (*200 - 205)			
		95400-2V187	954002V187_200* (*200 - 205)			
		Veloster (JS)	2019 - 2021	95400-J3720	95400-J3720_0	95400-J3720_1

KONA (OS)

GDS INFORMATION:

EVENT INFORMATION

MODEL	EVENT DESCRIPTION
Kona (OS)	975. OS IMMOBILIZER (BCM) LOGIC IMPROVEMENT

MANUAL MODE PASSCODE INFORMATION TABLE:

	MENU	PASSCODE
Kona (OS)	OS BCM 95400-J9GE0~LA0 (1.00/1.01/1.02)	4485
	OS BCM 954A0-J9GJ0~LA0 (1.03/1.04/1.05/1.06/1.07/1.08)	7840
	OS BCM 954C0-J9BK0~BZ0 (1.00/1.01/1.02/1.03/1.04/1.05)	2222

i Information

When selecting the manual update **PASSCODE** for **Kona (OS)**, only look at the first 5 prefix of the BCM number. For example **95400-J9GE0**, use the passcode **4485** because the first 5 prefix are **95400**.

ROM ID INFORMATION TABLE:

MODEL	MODEL YEAR	BCM/IBU P/N	ROM ID	
			OLD	NEW
Kona (OS)	2018 - 2022	95400-J9GE0	95400J9GE0_100* (*100 – 102)	95400J9**0_300
		95400-J9GF0	95400J9GF0_100* (*100 – 102)	
		95400-J9GG0	95400J9GG0_100* (*100 – 102)	
		95400-J9GH0	95400J9GH0_100* (*100 – 102)	
		95400-J9GJ0	95400J9GJ0_100* (*100 – 102)	
		95400-J9GK0	95400J9GK0_100* (*100 – 102)	
		95400-J9GL0	95400J9GL0_100* (*100 – 102)	
		95400-J9GM0	95400J9GM0_100* (*100 – 102)	
		95400-J9HG0	95400J9HG0_100* (*100 – 102)	
		95400-J9HJ0	95400J9HJ0_100* (*100 – 102)	
		95400-J9HK0	95400J9HK0_100* (*100 – 102)	
		95400-J9HL0	95400J9HL0_100* (*100 – 102)	
		95400-J9HM0	95400J9HM0_100* (*100 – 102)	
		95400-J9HN0	95400J9HN0_100* (*100 – 102)	
		95400-J9HP0	95400J9HP0_100* (*100 – 102)	
		95400-J9HR0	95400J9HR0_100* (*100 – 102)	
		95400-J9KH0	95400J9KH0_100* (*100 – 102)	
		95400-J9KJ0	95400J9KJ0_100* (*100 – 102)	
		95400-J9KK0	95400J9KK0_100* (*100 – 102)	
		95400-J9KL0	95400J9KL0_100* (*100 – 102)	
95400-J9KX0	95400J9KX0_100* (*100 – 102)			
95400-J9KY0	95400J9KY0_100* (*100 – 102)			
95400-J9KZ0	95400J9KZ0_100* (*100 – 102)			
95400-J9LA0	95400J9LA0_100* (*100 – 102)			

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Kona (OS)	2018 - 2022	954A0-J9GJ0	954A0J9GJ0_103* (*103 – 108)	954A0J9**0_300
		954A0-J9GK0	954A0J9GK0_103* (*103 – 108)	
954A0-J9GL0	954A0J9GL0_103* (*103 – 108)			
954A0-J9GM0	954A0J9GM0_103* (*103 – 108)			
954A0-J9HM0	954A0J9HM0_103* (*103 – 108)			
954A0-J9HN0	954A0J9HN0_103* (*103 – 108)			
954A0-J9HP0	954A0J9HP0_103* (*103 – 108)			
954A0-J9HR0	954A0J9HR0_103* (*103 – 108)			
954A0-J9KH0	954A0J9KH0_103* (*103 – 108)			
954A0-J9KJ0	954A0J9KJ0_103* (*103 – 108)			
954A0-J9KK0	954A0J9KK0_103* (*103 – 108)			
954A0-J9KL0	954A0J9KL0_103* (*103 – 108)			
954A0-J9KX0	954A0J9KX0_103* (*103 – 108)			
954A0-J9KY0	954A0J9KY0_103* (*103 – 108)			
954A0-J9KZ0	954A0J9KZ0_103* (*103 – 108)			
954A0-J9LA0	954A0J9LA0_103* (*103 – 108)			
		954C0-J9BK0	954C0-J9BK0_100* (*100 – 105)	954C0J9**0_300
		954C0-J9BL0	954C0-J9BL0_100* (*100 – 105)	
		954C0-J9BM0	954C0-J9BM0_100* (*100 – 105)	
		954C0-J9BN0	954C0-J9BN0_100* (*100 – 105)	
		954C0-J9BW0	954C0-J9BW0_100* (*100 – 105)	
		954C0-J9BX0	954C0-J9BX0_100* (*100 – 105)	
		954C0-J9BY0	954C0-J9BY0_100* (*100 – 105)	
		954C0-J9BZ0	954C0-J9BZ0_100* (*100 – 105)	

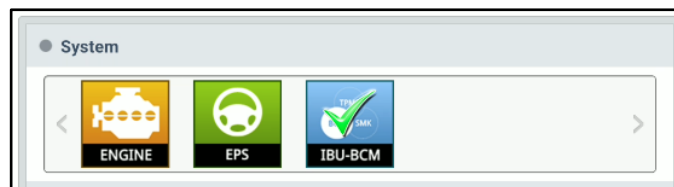
Service Procedure:

SOFTWARE UPDATE

i Information

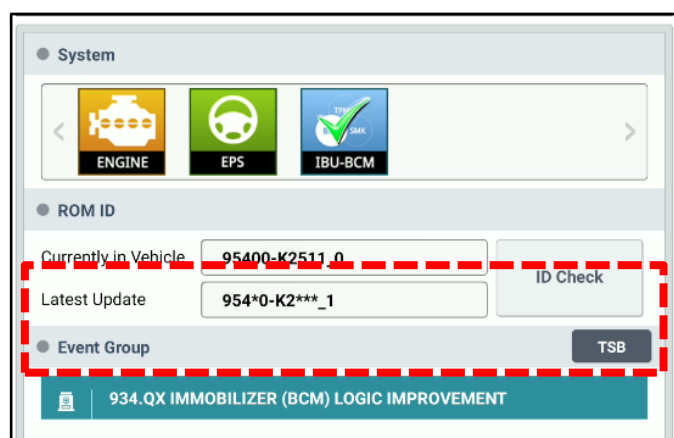
Perform the anti-theft decals installation while the BCM software is being updated.

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

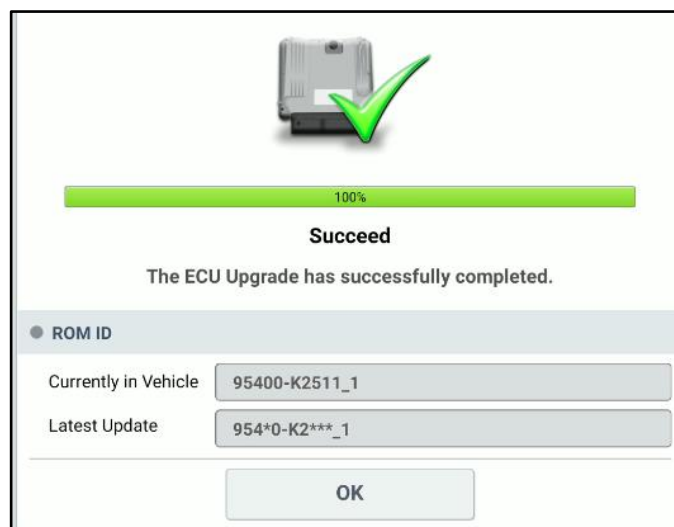


2. Select ID Check.

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.



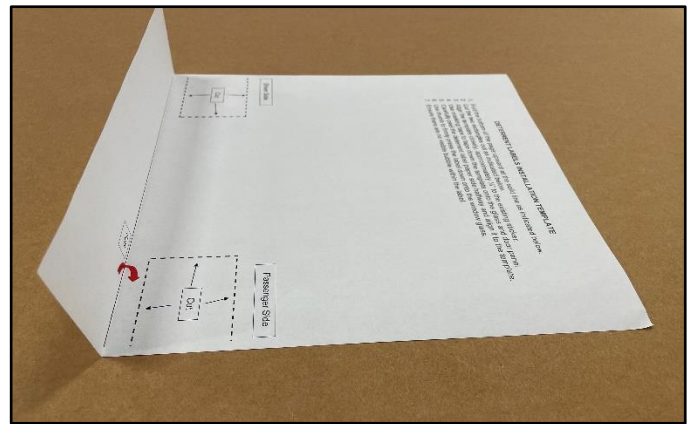
5. After the software has updated, check for Diagnostic Trouble Codes in the **ALL** menus and erase any DTC.
6. Software update complete.

ANTI-THEFT DECALS INSTALLATION

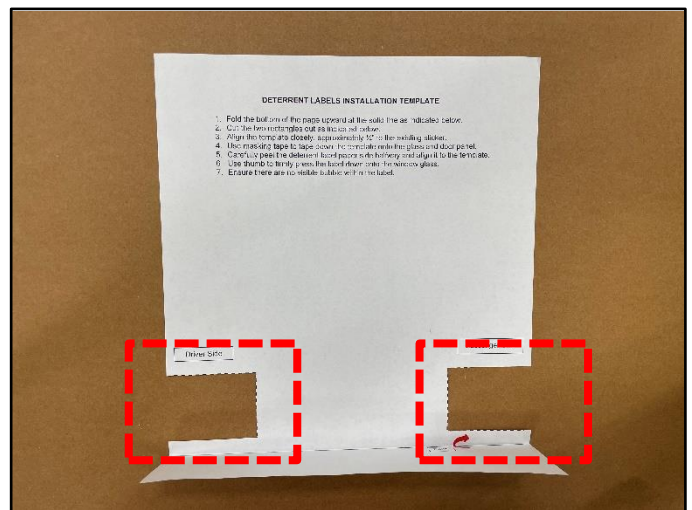
i Information

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.

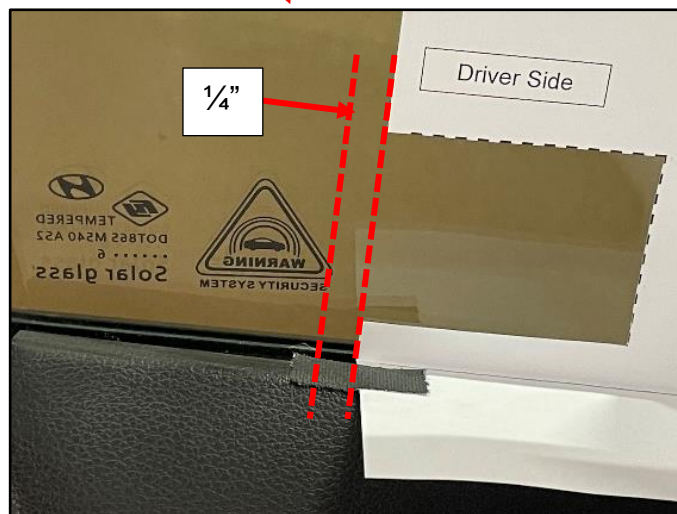
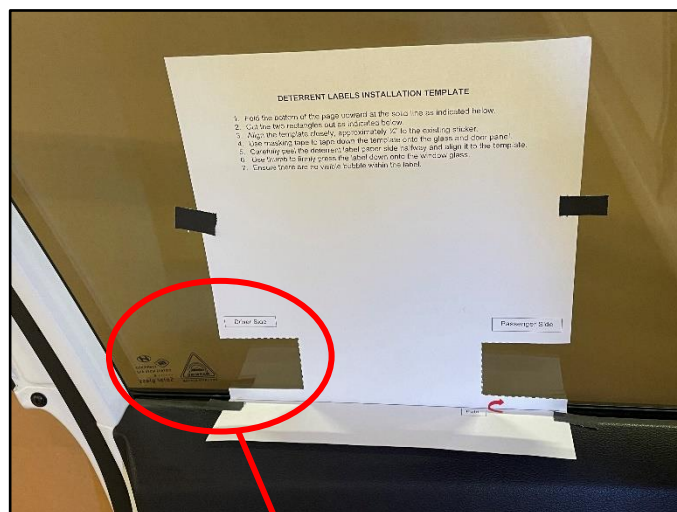
NOTICE

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

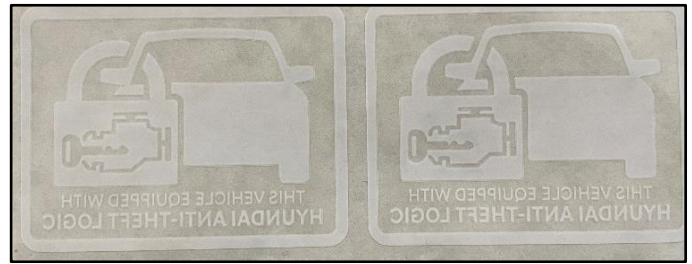


- 6. Align the template edge approximately 1/4" next to the existing label's/decals edge.

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.

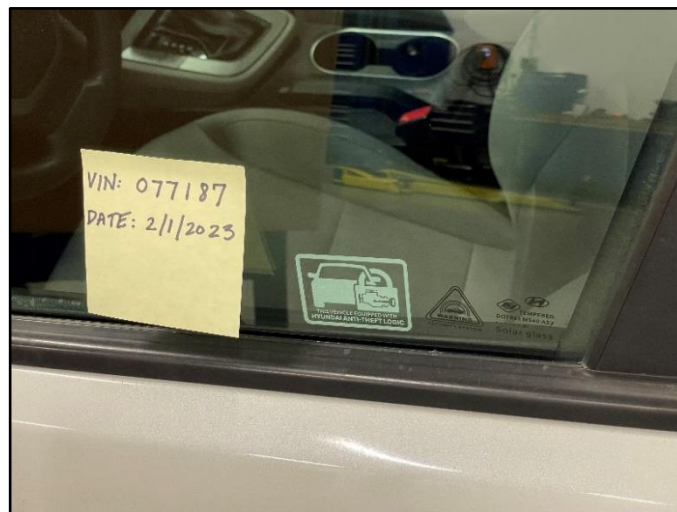
NOTICE

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 system, the key fob must be used to first disarm the system prior to attempting to start the vehicle.

Driver Front Window



Passenger Front Window

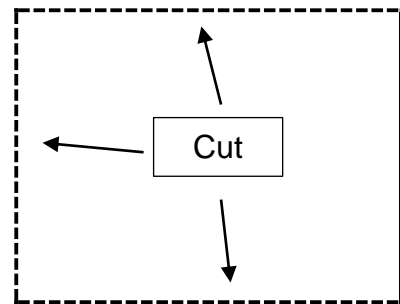
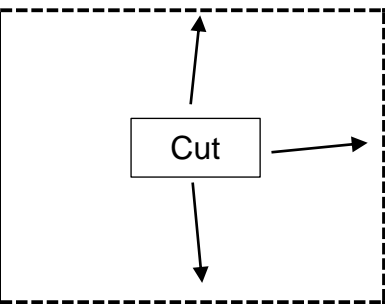


ANTI-THEFT DECALS INSTALLATION TEMPLATE

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

