

GROUP	MODEL
Customer Satisfaction	2010-2022MY Multiple Models
NUMBER	DATE
CS2311 (Rev 2, 2/22/2024)	December 2023

TECHNICAL SERVICE BULLETIN

CUSTOMER SATISFACTION: THEFT DETERRENT IGNITION CYLINDER PROTECTOR & DECAL INSTALLATION (CS2311)

NOTICE

This bulletin has been revised to include additional information. New/revised sections of this bulletin are indicated by a black bar in the margin area.

This bulletin provides information to install a Theft Deterrent Ignition Cylinder Protector on certain 2010-2022MY Kia vehicles outlined on page 20, which may not have been equipped with an immobilizer and whose Integrated Body Control Unit (IBU) / Body Control Module (BCM) are not able to receive the Anti-Theft Software Logic upgrade under CS2301/02/03/04/05/06/07/08/09 TSBs. In an effort to help prevent thefts of Kia vehicles that are not equipped with an immobilizer, a protective cover will be permanently affixed to the ignition cylinder. This Theft Deterrent Ignition Cylinder Protector prevents the removal of the key lock cylinder thereby preventing access to the ignition tumbler. Follow the procedure outlined in this publication to install the Theft Deterrent Ignition Cylinder Protector as described in the bulletin on the applicable vehicle.

Window decals should also be applied to both front windows in accordance with the instructions on page 17 to indicate this Theft Deterrent Ignition Cylinder Protector installation has been completed (unless a customer specifically requests that they not be installed). An initial supply of window decals will be shipping directly to dealers. Should there be a delay in receipt of this supply, track any customers that may need window decals and arrange installation upon receipt of the decals.



NOTICE

To assure complete customer satisfaction, always remember to refer to KDealer+ Warranty Coverage (validation) Inquiry Screen (Service \rightarrow Warranty Coverage \rightarrow Warranty Coverage Inquiry) for a list of any additional campaigns that may need to be performed on the vehicle before returning it to the customer.

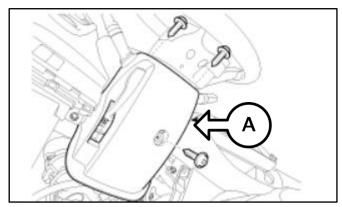
CUSTOMER SATISFACTION: THEFT DETERRENT IGNITION CYLINDER PROTECTOR & DECAL INSTALLATION (CS2311)

Kia Theft Deterrent Ignition Cylinder Protector & Decal Installation Waiver and Acknowledgement



Installation Procedure: (ALL Models, except VQ on Pg. 10)

- 1. Disconnect the negative (-) battery terminal.
- 2. Loosen the three (3) screws to remove the steering column shroud panel (A).



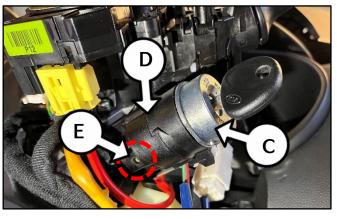
3. Disconnect the ignition switch connector (B).



- 4a. Insert the key into the ignition switch.
- 4b. Turn the ignition/key to the 'ACC' position.



5a. Remove the lock cylinder (C) from the ignition housing (D) using a pick or small screwdriver by pressing the removal/installation button (E) inward, located on the bottom of the ignition housing (D).

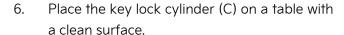




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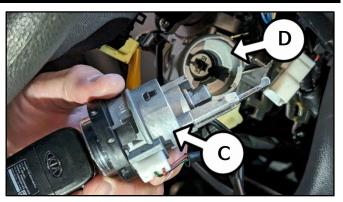
5b. Remove the key lock cylinder (C) from the ignition housing (D) by sliding it outward while pressing down on the removal/installation button (E)1.

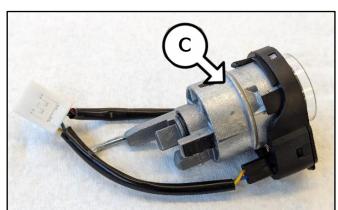
<u>Note</u>: To remove the key from the lock cylinder, turn the key to the 'OFF' position and slide out.



<u>Note</u>: The illuminated key ring lock cylinder is shown on the right for reference use only.

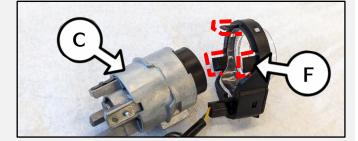
- 7a. If the vehicle you are working on IS NOT equipped with an illuminated key ring, then skip to step 13 on page 5.
- 7b. If the vehicle you are working on IS equipped with an illuminated key ring, proceed below to step 8.



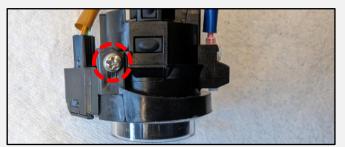


Illumination Key Ring Removal (if equipped, follow steps 8-12)

8a. Lift/release the three (3) illumination key ring retaining tabs (F) from the key lock cylinder (C) to separate the two parts.



8b. Some illumination key rings may be secured with a screw. Loosen the screw to remove the key illumination ring from the lock cylinder.





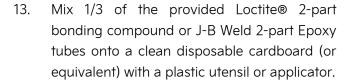
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- 9a. Using a wire cutter, cut the illumination ring connector wires (G) in the area shown.
- 9b. Discard the key illumination ring (F).

ACAUTION

<u>DO NOT</u> cut off the 'key warning' lock cylinder wires (H) connector side.

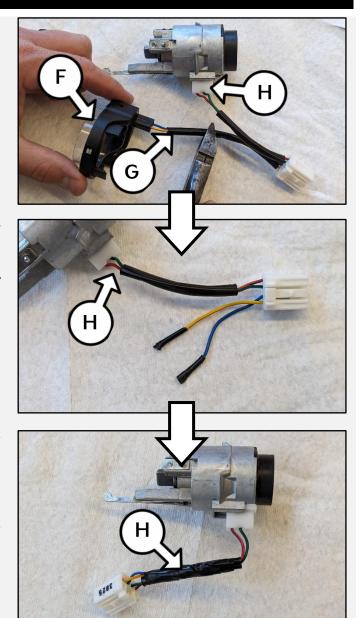
- Remove the existing heat shrink from the cut illumination ring wires to expose the two (2) wires. <u>DO NOT remove the 'key warning'</u> connector (H) or wire heat shrink.
- 11. Wrap electrical tape around each end of both key illumination ring wires as shown.
- 12a. Join the two wires and wrap an additional layer of electrical tape around both.
- 12b. Secure the wires to the 'key warning' lock cylinder wires (H) by wrapping electric tape as shown.

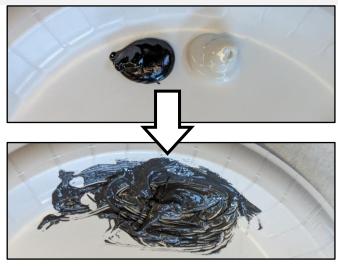


<u>Note</u>: Be sure to read and follow the product instructions.

(i) IMPORTANT

Compound/epoxy drying time is limited so be sure to complete the remaining steps within 5 minutes.





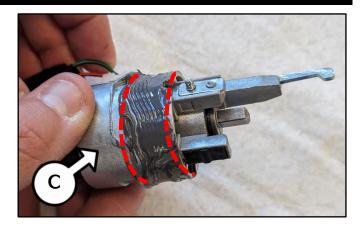


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14. Carefully, apply a light 1mm thick bead of the mixed bonding compound or epoxy to the outer key lock cylinder (C) area shown.

ACAUTION

<u>DO NOT</u> apply any bonding compound or epoxy inside the key lock cylinder (C) mechanism.

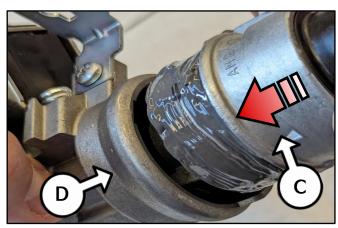


15. Partially, insert the key lock cylinder (C) into the ignition housing (D).

Note: The ignition housing (D) does NOT need to be removed.

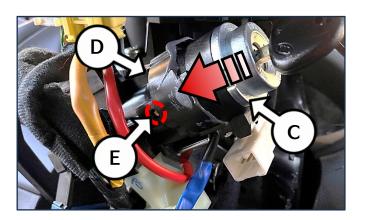
ACAUTION

Be careful not to contaminate any surrounding parts with the bonding compound or epoxy (ex. wire harness, trim, panel and/or the carpet). If so, wipe immediately using a clean cloth.



The ignition housing (D) shown above was removed for illustration purposes ONLY. Refer to the image below.

- 16a. Insert the key into the key lock cylinder (C) and turn the key to the 'ACC' position.
- 16b. Insert the key lock cylinder (C) with key into the ignition housing (D) until an audible locking button (E) 'click' is heard.
- 16c. Once the key lock cylinder is secured, turn the key to the 'OFF' position and remove the key from the key lock cylinder (C).



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17. Apply a 3mm thick bead of the mixed bonding compound or epoxy to the outer top area of the ignition housing (D) as shown.

ACAUTION

Be careful not to contaminate any surrounding parts with the bonding compound or epoxy (ex. wire harness, trim, panel and/or the carpet). If so, wipe immediately using a clean cloth.

18. Apply a 3mm thick bead of the mixed bonding compound or epoxy to the outer bottom area of the ignition housing (D) as shown.

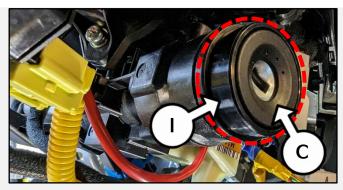


The ignition housing (D) shown above was removed for illustration purpose ONLY. Refer to the image below.



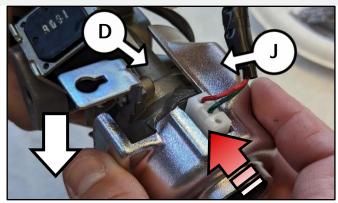
19. If the vehicle was originally equipped with a key illumination ring, install the provided deco-ring (I) over the end of the key lock cylinder (C) as shown.

**Note: Only required for PS, SK3 and VQ models.



- 20. Align the applicable theft deterrent ignition cylinder protector (J) in front of the ignition housing (D).
- 21. Slide the theft deterrent ignition cylinder protector (J) inward and over the ignition housing (D).

Note: The ignition housing (D) does NOT need to be removed. Refer to the parts table on page 20 to select the applicable 'Theft Deterrent Ignition Cylinder Protector' (J) for the applicable vehicle being worked on.



The ignition housing (D) shown above was removed for illustration purpose ONLY.



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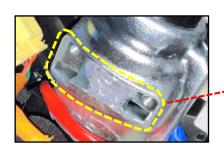
22. Apply the mixed bonding compound or epoxy to the protector locking tab cavity area shown.

ACAUTION

Be careful not to contaminate any surrounding parts with the bonding compound or epoxy (ex. wire harness, trim, panel and/or the carpet). If so, wipe immediately using a clean cloth.



23. Insert the provided locking tab (K) into the protector locking tab cavity area.





24. Insert and tighten the two (2) provided breakaway screws until the screw head separates from the shank, as shown below.





- 25. Using the KVID app, attach a photo of the following two (2) items:
 - The installed Theft Deterrent Ignition Cylinder Protector.
 - The hard copy of the RO/VIN detail

<u>Note</u>: The RO number, repair date, and VIN number <u>must be visible and legible</u> in the photo submitted.



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26. Reinstall all removed parts in reverse order of removal.



Sample A: Standard ignition ring.



Sample B: Deco-ring.

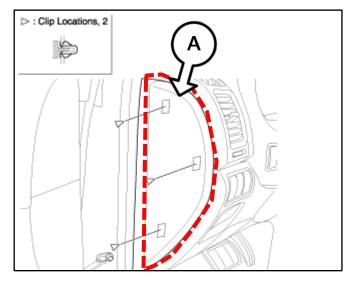
- 27. Insert the key and 'Start' the vehicle.
- 28. Confirm normal ignition switch operation from 'LOCK \rightarrow ACC \rightarrow ON \rightarrow START'.



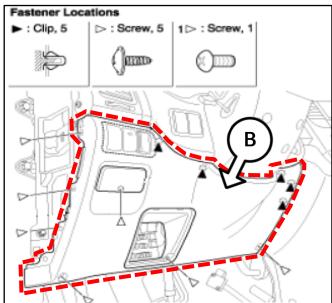
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Installation Procedure: (VQ Only)

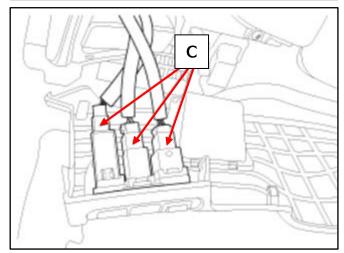
- 1. Disconnect negative (-) battery terminal.
- 2. Disengage the three (3) clips to remove the crash pad side cover (A).



3. Loosen the six (6) screws and disengage the five (5) clips to remove the crash pad lower panel (B).



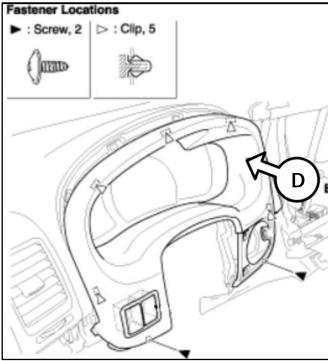
4. If equipped, disconnect the connector(s) (C).



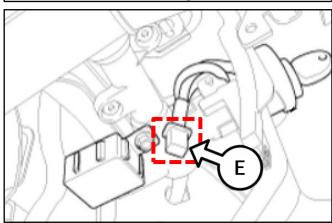


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5. Loosen the two (2) screws to remove the crash fascia panel (D).



6. Disconnect the ignition switch connector (E).



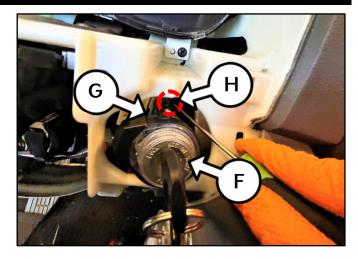
- 7a. Insert the key into the ignition switch.
- 7b. Turn the ignition/key to the 'ACC' position.



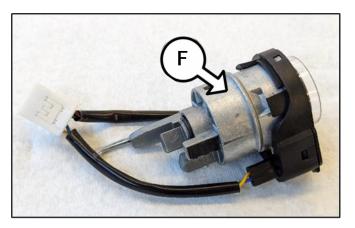


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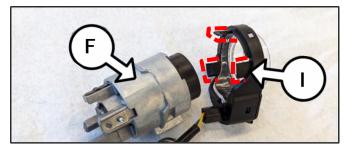
8. Remove the lock cylinder (F) from the ignition housing (G) using a pick or small screwdriver by pressing the removal/installation button (H) inward, located on the top of the ignition housing (G).



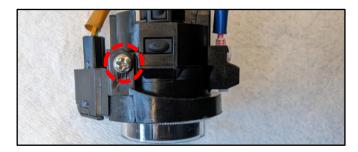
9. Place the key lock cylinder (F) on a table with a clean surface.



10. Lift/release the three (3) illumination key ring retaining tabs (I) from the key lock cylinder (F) to separate the two parts.



Some illumination key rings may be secured with a screw. Loosen the screw to remove the key illumination ring from the lock cylinder.





- 11a. Using a wire cutter, cut the illumination ring connector wires (J) in the area shown.
- 11b. Discard the key illumination ring (I).



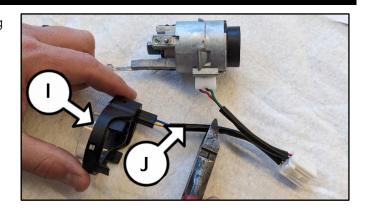
<u>DO NOT</u> cut off the 'key warning' lock cylinder wires (H) connector side.

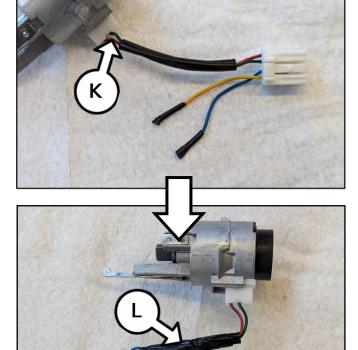
- 12a. Remove the existing heat shrink from the cut illumination ring wires to expose the two (2) wires. DO NOT remove the 'key warning' connector (K) or wire heat shrink.
- 12b. Wrap electrical tape around each end of both key illumination ring wires as shown.
- 13a. Join the two wires and wrap an additional layer of electrical tape around both.
- 13b. Secure the wires to the 'key warning' lock cylinder wires (L) by wrapping electric tape as shown.
- 14. Mix 1/3 of the provided Loctite® 2-part bonding compound or J-B Weld 2-part Epoxy tubes onto a clean disposable cardboard (or equivalent) with a plastic utensil or applicator.

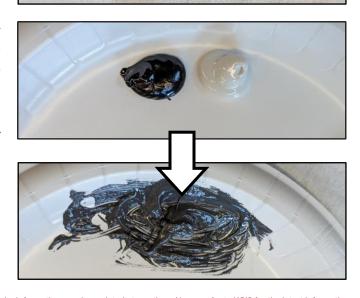
<u>Note</u>: Be sure to read and follow the product instructions.

① IMPORTANT

Compound/epoxy drying time is limited so be sure to complete the remaining steps within 5 minutes.









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15. Carefully, apply a light 1mm thick bead of the mixed bonding compound or epoxy to the outer key lock cylinder (F) area shown.

ACAUTION

DO NOT apply any bonding compound or epoxy inside the key lock cylinder (F) mechanism.

16. Partially, insert the key lock cylinder (F) into the ignition housing (G).

Note: The ignition housing (G) does NOT need to be removed.

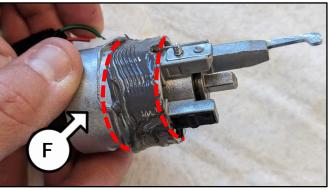
ACAUTION

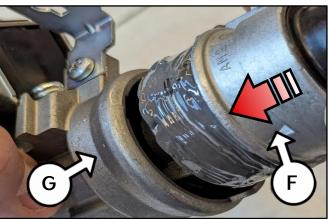
Be careful not to contaminate any surrounding parts with the bonding compound or epoxy (ex. wire harness, trim, panel and/or the carpet). If so, wipe immediately using a clean cloth.

- 17a. Insert the key into the key lock cylinder (F) and turn the key to the 'ACC' position.
- 17b. Insert the key lock cylinder (F) with key into the ignition housing (G) until an audible locking button 'click' is heard.
- 17c. Once the key lock cylinder is secured, turn the key to the 'OFF' position and remove the key from the key lock cylinder (F).
- 18. Apply a 3mm thick bead of the mixed bonding compound or epoxy to the outer top area of the ignition housing (G) as shown.

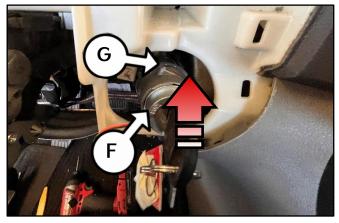
ACAUTION

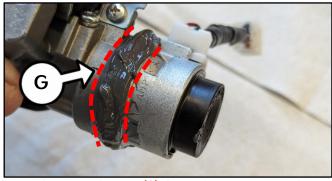
Be careful not to contaminate any surrounding parts with the bonding compound or epoxy (ex. wire harness, trim, panel and/or the carpet). If so, wipe immediately using a clean cloth.





The ignition housing (G) shown above was removed for illustration purposes <u>ONLY</u>. Refer to the image below.





The ignition housing (G) shown above was removed for illustration purpose ONLY. Refer to the image below.



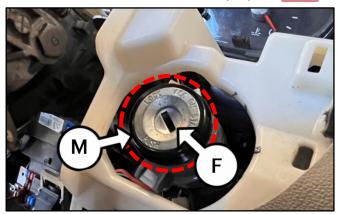
CUSTOMER SATISFACTION: THEFT DETERRENT IGNITION CYLINDER PROTECTOR & DECAL INSTALLATION (CS2311)

19. Apply a 3mm thick bead of the mixed bonding compound or epoxy to the outer bottom area of the ignition housing (G) as shown.



Soul (PS) is shown for illustration purpose ONLY.

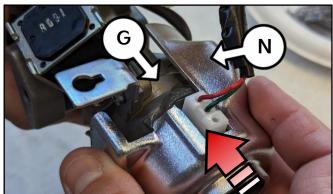
20. Install the provided deco-ring (M) over the end of the key lock cylinder (F) as shown.



- 21a. Align the applicable theft deterrent ignition cylinder protector (N) in front of the ignition housing (G).
- 21b. Slide the theft deterrent ignition cylinder protector (N) inward and over the ignition housing (G).

Note: The ignition housing (G) does NOT need to be removed. Refer to the parts table on page 20 to select the applicable 'Theft Deterrent Ignition Cylinder Protector' (N) for the applicable vehicle being worked on.

22. Apply the mixed bonding compound or epoxy to the protector locking tab (O) shown.



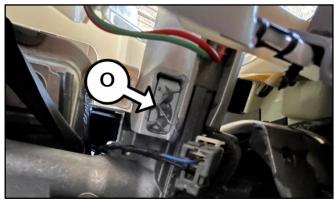
The ignition housing (G) shown above was removed for illustration purpose ONLY.



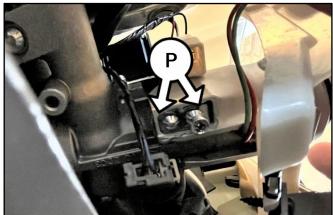


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23. Insert the provided locking tab (O) into the protector locking tab cavity area.



24. Insert and tighten the two (2) provided breakaway screws (P) until the screw head separates from the shank, as shown below.



- 25. Using the KVID app, attach a photo of the following two (2) items:
 - The installed Theft Deterrent Ignition Cylinder Protector.
 - The hard copy of the RO/VIN detail

<u>Note</u>: The RO number, repair date, and VIN number <u>must be visible and legible</u> in the photo submitted.

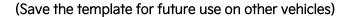


- 26. Reinstall all removed parts in reverse order of removal.
- 27. Insert the key and 'Start' the vehicle.
- 28. Confirm normal ignition switch operation from 'LOCK \rightarrow ACC \rightarrow ON \rightarrow START'.



Decal Installation Procedure:

- 1. Print two (2) copies of this page to 100% scale.
- 2. Cut out two (2) separate template sheets (A & B) along the dotted lines and use the applicable template for the vehicle you are working on. Fold the bottom of the sheet along the solid line.





TEMPLATE 'A'

Soul (SK3) Rio (UB, SC) Forte (YD) Sedona (VQ)

TEMPLATE 'B'

Soul (AM, PS) Rio (JB) Forte (TD) Sportage (SL)

Cut

Cut





Template B

Template A

(i) IMPORTANT

Be sure the door window glass is dust free and clean from any fingerprints or smudges <u>before</u> applying decals to glass surface.

Fold



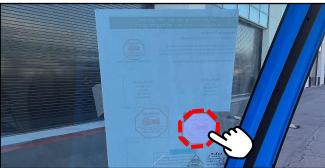
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- 3a. Confirm that the door glass is completely in the up position.
- 3b. Using masking tape (or similar no-residue tape), adhere the template sheet to the outside of the right passenger, front door glass as shown.

<u>Note</u>: Be sure that the template outlined edges are flush against the inner corner and bottom of the door window trim.

- 4a. Carefully expose leading edge of label adhesive by simultaneously pulling back on liner and pushing leading edge of label forward. DO NOT TOUCH ADHESIVE.
- 4b. Once approximately half of the label is removed from the liner, position the label on the <u>INSIDE</u> of the passenger right door window (aligned to template box).
- 5a. From the outside of the vehicle, confirm that the decal is perfectly aligned inside the template box.
- 5b. From the inside, begin to press on the decal in a forward direction (pushing any air bubbles out) until the label is fully applied to the window.
- 6. Remove the template sheet from the door glass and prepare for use on the driver side.
- 7. Repeat steps 3-5 for the driver side door glass.





<u>Note</u>: Images shown are for demonstration purpose only. The actual decal will be transparent with a red outlined image.







Other things to consider:

Kia Theft Deterrent Ignition Cylinder Protector & Decal Installation Waiver and Acknowledgement:

Be sure to get customer's approval to install the 'Kia Theft Deterrent Ignition Cylinder Protector'. Dealers <u>must</u> have the customer sign the 'Kia Theft Deterrent Ignition Cylinder Protector & Decal Installation Waiver and Acknowledgement' and attach the signed copy to the claim.

Vehicles equipped with 'aftermarket' window tint:

Be sure to get the customer's approval to install the 'Kia Anti-Theft Protection' decals if the vehicle has aftermarket window tint installed as they will adhere to the tint film surface and not the door glass surface, and alert customer that the 'Kia Anti-Theft Protection' decals may not be visible through the tint film from outside the vehicle.

For 'California' state vehicles only:

The Proposition 65 decal may still be present on the inner front door glass. Be sure to get the customer's approval to remove this decal from the inner door glass before installing the 'Kia Anti-Theft Protection' decals.

AFFECTED VEHICLE RANGE:

Model	Production Date Range
Soul (AM)	January 8, 2009 to October 2, 2013
Soul (PS)	July 21, 2013 to December 24, 2018
Soul (SK3)	December 27, 2018 to April 19, 2021
Rio (SC)	June 1, 2017 to October 29, 2021
Forte (TD)	August 18, 2010 to March 22, 2013
Forte (YD)	November 7, 2012 to July 18, 2016
Rio (UB)	June 21, 2011 to March 31, 2017
Rio (JB)	March 23, 2010 to July 1, 2011
Sportage (SL)	May 6, 2010 to November 16, 2015
Sedona (VQ)	February 26, 2013 to April 4, 2014



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REQUIRED PART:

Model	Part Name	Part Number	Figure	Qty.
All	'Kia Anti-Theft Protection Decal'**	SO230 WARN	WARNING BIS CHICKLE REQUIPED WITH KIA ANTI-THEFT PROTECTION	1 (Auto-shipped to dealers in a roll containing 500 qty.)
All	Loctite® Bonding Compound**	UM023 CH273	June 1	1 pack
	J-B Weld Epoxy**	UM024 CH275	79 World	Services (3) vehicles
PS SK3		81921 B2000QQK		1
SC	Theft Deterrent Ignition Cylinder Protector Kit	81921 H9000QQK		1
AM TD		81921 2K000QQK		1
YD		81921 A7000QQK		1
UB		81921 1W000QQK		1
JB		81921 1G000QQK		1
SL		81921 3W000QQK		1
VQ		81921 4D000QQK		1

^{**}Note: Additional orders may be made through Archway (866) 542-6268. Please track any customers that may require window decals if unavailable at the time of the Theft Deterrent Ignition Cylinder Protector installation.

**Note: Loctite® bonding compound (PN UM023 CH273) or J-B Weld Epoxy (PN UM024 CH275) can be ordered through the Kia Chemicals website. Dealers can use locally sourced Loctite® bonding compound or J-B Weld Epoxy ONLY IF PN's UM023 CH273 or UM024 CH275 are unavailable through the Kia Chemicals website. Use sublet code 'X1' with a maximum allowed amount of \$5.00 per vehicle for bonding compound.



WARRANTY INFORMATION:

N Code: N99 C Code: C99

Claim Type	Model	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
	PS	PS SK3 SC AM TD		(CS2311A)	CS2311R0	0.4 M/H	81921 B2000QQK	-
	SK3				CS2311R1			
	SC			Theft Deterrent Ignition	CS2311R2		81921 H900QQK	
	AM			Cylinder Protector + Decal(s) Installation	CS2311R3		81921 2K000QQK	
	TD				CS2311R4			
	YD				CS2311R5		81921 A7000QQK	
V -	PS		(CS2311A)	CS2311R6		81921 B2000QQK		
	SK3			Theft Deterrent Ignition Cylinder Protector + Decal(s) Installation + Key Illumination Ring Removal	CS2311R7	0.5 M/H	01921 B2000QQK	1
	AM				CS2311R8		81921 2K000QQK	
	TD				CS2311R9			
	YD	81905			CS2311RA		81921 A7000QQK	
	UB	2K020	0	(CS2311B) Theft Deterrent Ignition Cylinder Protector + Decal(s) Installation	CS2311RB	0.4 M/H	81921 1W000QQK	
	JB				CS2311RC		81921 1G000QQK	
	SL				CS2311RD		81921 3W000QQK	
	VQ				CS2311RE	0.5 M/H	81921 4D000QQK	
	UB			(CS2311B) Theft Deterrent Ignition Cylinder Protector + Decal(s) Installation + Key Illumination Ring Removal	CS2311RF	0.5	81921 1W000QQK	
	SL				CS2311RG	M/H	81921 3W000QQK	
	VQ				CS2311RH	0.6 M/H	81921 4D000QQK	
	All			Customer Declined Theft Deterrent Ignition Cylinder Protector + Decal(s) Installation	CS2311RI	0.1 M/H	NA	0

Note: A KVID photo of the installed Theft Deterrent Ignition Cylinder Protector must be attached to the claim using Warranty Claim Attachment type 'XX - Other'. If the photo is not submitted, claims will be subject to chargeback. Dealers <u>must</u> have the customer sign the 'Kia Theft Deterrent Ignition Cylinder Protector & Decal Installation Waiver and Acknowledgement' and attach the signed copy to the claim.

