

GeckoWiper®

User Manual



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1. Introduction

Congratulations on your purchase of **GeckoWiper®**, the state-of-the-art attachable Rear Windscreen Wiper with dual mounting via Vacuum Pad and Magnetic System! This patent pending, innovative product is designed to provide efficient and reliable cleaning for your car's rear window while being tool-free to mount. Please read this user manual carefully to ensure proper installation, maintenance, and usage.

2. Applicability

The rear window wiper system was successfully qualified for the following application




- Rear window of Hyundai Ioniq 5 (2019-2024), bottom window mounted
- Other models have to be checked concerning geometry. Please check qualification status regularly via www.GeckoWiper.com





3. Package Content

- Rear Windscreen Wiper Unit with
 - Vacuum Pad with Orange Pump Indicator
 - Counter magnet handle
 - Remote transmitter key
 - USB-C Charging Port
 - Charge LED indicator
 - This current user manual, provided as QR-code link

4. Installation-Steps




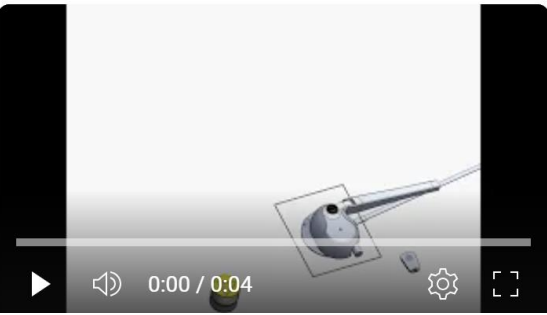


Step	Content	Details	Image
1.	Watch Product Video	 <p><i>Figure 1: QR code or LINK</i></p>	 <p><i>Figure 2: Product video, QR code or LINK</i></p>
2.	Watch Mounting Video	 <p><i>Figure 3: QR code or LINK</i></p>	 <p><i>Figure 4: Watch mounting visualisation QR-code or LINK</i></p>

3.	Clean rear window wet	Clean the rear glass window with wet towel and remove any contamination in the later location of the vacuum pad. Attention: Vacuum holds best on slightly wetted Glas window	 <p><i>Figure 5: Clean rear window area wet prior mounting the GeckoWiper®</i></p>
4.	Clean suction pad	Clean the vacuum pad with water. For installation, a wet surface is rather beneficial than a dry one.	
5.	Rear wiper installation	Install the wiper system as shown below in Figure 1. Ensure the pad is fully on the glass and the wiper blade has clearance to the top spoiler 1. Ensure the pad is fully on the glass and the wiper blade has clearance to the top spoiler 2. Pump on hand pump until orange indicator disappears = vacuum available	 <p><i>Figure 6: Installation position of rear wiper with pump-cylinder phasing vertically down and the wiper being in vertical position</i></p>
6.	Check for any collision of blade with car	Manually move the wiper +-90deg from the vertical to check for any collision between wiper and the car	 <p><i>Figure 7: Check by hand motion +-90deg against collision with spoiler</i></p>

7.	Mount counter magnet	<p>Open trunk & place magnet handle in far distance onto rear window. Afterwards, slide magnet on window towards center of GeckoWiper® unit.</p> <p>Attention: Do never move the magnet directly axially behind the GechoWiper housing, always slide from far away of the GeckoWiper® housing !</p>	 <p>Figure 8: Open trunk & place magnet on window, far away from GeckoWiper® . Than slide magnet along window towards GeckoWiper® system.</p>  <p>Figure 9: Magnet mounted at backside (inside) of car rear window</p>
8.	Mount remote key on loudspeaker	<p>The Remote transmitter key comes with an internal magnet, allowing it to stick to load speaker of the Hyundai Ioniq 5</p>	 <p>Figure 10: Remote transmitter placement via internal magnet to any magentic surface</p>
9.	Start wipe motion	<p>Start wiping by holding remote transmitter key for >2 sec. This time is needed due to a battery deep-sleep design, ensuring your wiper internal battery to last in standby for very long.</p>	 <p>Figure 11: Remote transmitter key press with RED light confirmation pressing</p>

5. Dismounting

Step	Content	Details	Image
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10	Watch Product Video	 <p>Figure 12: QR code or LINK</p>	 <p>Figure 13: Product video, QR code or LINK</p>
11	Watch Dismount Video	 <p>Figure 14: QR code or LINK</p>	 <p>Figure 15: Dismounting visualisation video, QR or LINK</p>
12	Open trunk & Slide away magnet	<p>After trunk is open, slide internal safety magnet horizontally away. ATTENTION: Do not try axial pull-away of the strong magnet. The Magnet shall always be removed by sliding away motion</p>	 <p>Figure 16: Slide magnet from side towards mid of GeckoWiper® housing</p>
13	Open vacuum	<p>Use the vacuum pad rubber handles to breach the vacuum by lifting them vertically off</p>	 <p>Figure 17: Open vacuum system by rubber handles pull-up motion</p>

6. Operation safety

- a) The vacuum pad will create suction, and the orange pump vacuum-level indicator disappears when full vacuum is reached.
- b) Only activate the wiping motion with the remote transmitter key, when the system is attached on the rear window. Do not start the wiper why holding it in your hand !
- c) Operate GeckoWiper® only if both vacuum & magnet are attached. A stand-alone usage of the vacuum pad only without safety magnet is forbidden

- d) Preferable, prior any journey start, ensure that the GeckoWiper is working applying an initial test-wipe.

7. USB-C Recharging:

In case the wiper system needs recharge,

- use the build in, waterproof covered USB-C charging port to recharge the wiper.
- Charging time is 3-hours to full charge.
- Connect the USB-C charging cable to a suitable power source, such as a cars internal USB charging or phone charger.
- In addition, a LED blue light shows steady light during charging & switch off when battery full.

8. Maintenance

Before each drive, check

- the orange pump vacuum indicator to be NOT visible. A orange visible pump ring indicates that the vacuum level reduced and repumping is needed.
- For each new attachment on the window, clean the rear window wet.
- If newly mounted, ensure that vacuum pad itself is also cleaned wet and without damages
- that the magnet behind the window is installed & in good optical conditions. Ensure any mounting & dismounting of the magnet is done by horizontal push to or push away motion. Mounting the magnet axially to the GeckoWiper® is forbidden, as it would result in a shock motion with the glass rear window

9. Troubleshooting

ID	Trouble	Possible reasons	Solution
1	Wiper does not start when remote transmitter key pressed	Key press <2sec	Press key for >2 seconds to ensure activation. The wiper system uses a sleep modus to retain energy and requires this 2s for reactivation.
2		Battery empty	Recharge battery via USB-C port
3	Slow leakage of vacuum	Dry mounting surface of vacuum pad	Clean window and pad with wetted towel, remove any particles and reapply pad on wetted rear window for best suctioning performance
4		Damages on vacuum pad sealing surface	Replace vacuum pad
5		Debris in pump	Clean pump plunger
6		Dirty or uneven window surface	Clean window and pad with wetted towel, remove any particles and reapply pad on wetted rear window for best suctioning performance
7	Quick leakage of vacuum	Damaged vacuum pad surface	Replace vacuum pad
8		Damaged pump	Replace pump
9		Dirty or uneven window surface	Clean window and pad with wetted towel, remove any particles and reapply pad on wetted rear window for best suctioning performance

10	Stuck pump	Vacuum still available	Release vacuum on two pad ears at 10am & 2pm location. Pump should get air & plunger moves out
11		Debris in pump	Clean pump internal parts

10. Safety Precautions

- a) Do not operate the wiper without sufficient vacuum, indicated by the vacuum plunger
- b) Keep the vacuum pad clean for optimal performance
- c) Keep the safety magnet behind the window always mounted.
- d) Use the product in accordance with local traffic regulations
- e) Dismount wiper unit in car wash facilities
- f) Unscrewing or opening the GeckoWiper® assembly will cancel all warranty and return claims

11. Technical Specifications

GeckoWiper®, an add-on removable rear window wiper

- Remote key activated >10m
- Battery powered
- Dual vacuum and magnet fixation
- Quick mount in 10sec
- Patent pending design
- Standby: 6-months+
- Compact Design
- Low Energy Design
- Tool-free mounting
- Wipe angle +-90deg
- USB-C charging
- Vacuum Indicator: Orange pump vacuum indicator
- Mass: 1kg
- Qualified car usage, Hyundai Ioniq 5 (2021-2024)

12. General Terms & Conditions

I. Introduction

- These Terms govern all transactions between Tigs Design & Engineering GmbH ("Company") and the customer ("Customer") regarding the rear window wiper product ("GeckoWiper® "). By purchasing or using the Product, the Customer agrees to these Terms.

II. Scope

- These Terms apply to all sales and services. Any differing terms from the Customer are invalid unless accepted in writing by the Company.

III. Product Use and Liability

- The Product is intended solely for its designed purpose. The Company is not liable for damages from improper use, modifications, or incorrect installation. Installation & product maintenance must be performed according the assembly manual.

IV. International Use and Jurisdiction

- These Terms are governed by Swiss law, with disputes resolved in Zurich, Switzerland. The Customer is responsible for compliance with local laws and export regulations.

V. Warranty and Liability

- The Product is warranted against defects in materials and workmanship for a period of 2 years from the date of purchase. This warranty does not cover damage resulting from misuse, unauthorized modifications, improper installation, or normal wear and tear. The Company's liability under this warranty is strictly limited to the repair or replacement of the defective product, at the Company's sole discretion. The Company is not liable for any indirect, incidental, consequential, punitive damages or personal injury claims or death, including but not limited to loss of use, loss of profits, or any delays caused by circumstances beyond the Company's reasonable control (force majeure). Any claims under this warranty must be made in writing within the warranty period to GeckoWiper@gmail.com , and the Customer is responsible for all shipping and handling costs associated with warranty claims.

VI. Indemnification

- The Customer indemnifies the Company against claims arising from misuse of the Product, including third-party claims.

VII. Severability

- Invalid provisions do not affect the validity of remaining Terms.

VIII. Amendments

- The Company may amend these Terms at any time, effective upon notice.

IX. Brand affiliations

- GeckoWiper® is compatible with a wide variety of brands for car and other industries. However, we want to make it clear that GeckoWiper® is not made, endorsed, or affiliated with any of these brands. The names of these brands and their products are only used to inform you about the compatibility of our product, GeckoWiper® , with their devices.
- This compatibility information is provided solely for descriptive purposes and to help you understand how GeckoWiper® works with the devices you already own from other brands. While GeckoWiper® is compatible with several well-known devices and brands, it is an independent product developed and manufactured by our team.

X. Intellectual Property

- Trademarks: GeckoWiper® and any associated logos are trademarks of Tigs Design & Engineering GmbH. Unauthorized use is prohibited and may result in legal action.
- Patents: The product GeckoWiper® is currently in patent-pending status. Unauthorized reproduction, use, or sale of this invention is prohibited by law.

XI. Entire Agreement

- These Terms constitute the entire agreement between the parties, superseding prior agreements

Tigs Design & Engineering GmbH

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Switzerland

26.08.2024

13. Impressum

Tigs Design & Engineering GmbH

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