

KRAMZARTECH

KT-26 RideMount

Tow-Hook Front License Plate Mount Installation Guide

Rivian R1T / R1S passenger-side tow-hook installation



Completed installation shown on vehicle. Registration information obscured for privacy.

ENGINEERING SOLUTIONS BUILT WITH PURPOSE

About This Guide

- This guide documents installation of the KramzarTech KT-26 RideMount tow-hook front license plate mount.
- The clamp system uses front and rear retention brackets to conform to the tow hook without drilling the vehicle.
- Follow the sequence in order so all four fasteners engage correctly and the clamp loads evenly.

Before You Begin

- Park the vehicle on a level surface, shift to Park, and ensure the vehicle cannot move during installation.

- Inspect the printed mount components for cracks, deformation, or shipping damage before installation.
- Use a 10 mm hand socket or ratchet for the M6 clamp screws. Do not use an impact driver.
- Do not overtighten the printed retention brackets. Clamp force should be increased gradually and evenly.
- After installation, verify the front proximity sensors operate normally before driving.

Hardware and Tools

Included Hardware / Components	Tools / Additional Fasteners
4x M6 stainless-steel clamp screws	10 mm hand socket or ratchet
4x Stainless nylon-insert lock nuts	Standard license plate screws
Front retention bracket	Optional: 5.5 mm (0.22 in) drill bit if drilling plate holes through for long screws
Rear retention bracket	
Plate-mount body	

STEP 01 | Install the Retained Lock Nuts



Figure 1. Four lock nuts fully seated in the rear retention bracket with the blue nylon rings facing outward.

- Press the four stainless lock nuts into the back of the rear retention bracket.
- Press each nut firmly until it is fully seated. The pockets are intentionally snug so the nuts remain captured during assembly.
- Ensure the blue nylon ring in each lock nut is facing outward, as shown.

STEP 02 | Position the Rear Retention Bracket



Figure 2. Rear retention bracket positioned on the passenger-side tow hook and shifted toward the driver side.

- Place the rear retention bracket on the passenger-side front tow hook.
- For the best final plate position, slide the bracket as far toward the driver side as practical.
- Press the bracket firmly into place. The close-fitting geometry should help hold it while you continue to the next step.

STEP 03 | Orient the Front Retention Bracket



Figure 3. Front retention bracket aligned with the rectangular opening and rounded profiles matched.

- Begin assembly of the front retention bracket to the plate-mount body.
- The opening in the plate mount is rectangular and locates the front retention bracket.
- The bracket can be installed in either orientation, but for the best fit on the tow hook, match the rounded profile of the plate-mount cutout to the rounded profile of the front retention bracket.

STEP 04 | Start the Four M6 Screws

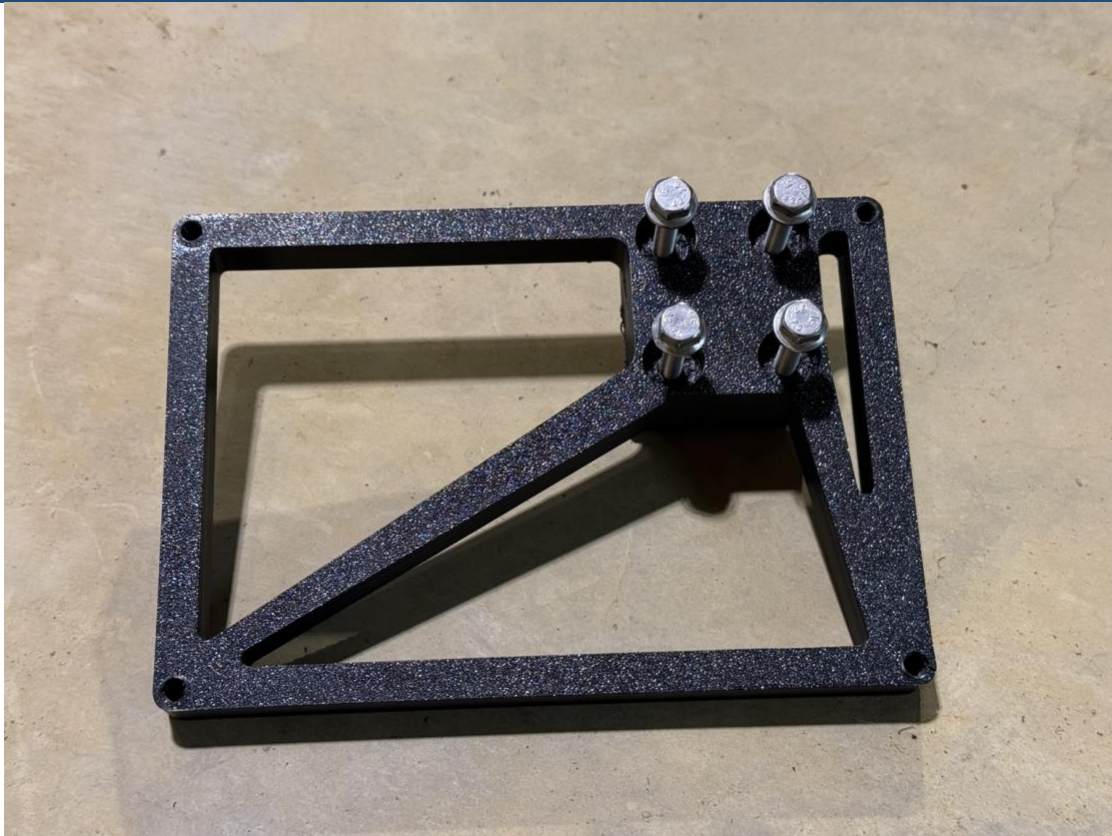


Figure 4. All four M6 screws started through the plate mount and front retention bracket.

- Start all four M6 stainless-steel screws through the plate mount and front retention bracket.
- Use a 10 mm socket for this step. The screws should pass easily through both front components.
- Thread each screw far enough that the threaded end protrudes from the back side. This makes alignment with the rear retention bracket easier.

STEP 05 | Engage the Rear Retention Bracket



Figure 5. M6 screws engaged with the captured lock nuts in the rear retention bracket.

- While holding the rear retention bracket in position, bring the plate-mount assembly into place.
- Thread the four M6 screws into the retained lock nuts, making sure every screw starts cleanly.
- Lightly tighten all four screws at first so the assembly is supported but can still settle into position.

STEP 06 | Tighten Evenly in a Star Pattern



Figure 6. Side view of the installed clamp showing the remaining gap between the front and rear retention brackets.

- Tighten the four M6 screws gradually in this sequence: top left, bottom right, bottom left, top right.
- Repeat the pattern in small increments so the front and rear retention brackets clamp evenly around the tow hook.
- Do not overtighten. Tighten only until the top and bottom gaps are approximately even.
- Do not reduce the bracket gap below approximately 1/8 in (3 mm). Excessive tightening can damage or fracture the printed retention brackets.

Special Note | Verify the Clamp Is Secure

- After tightening, check the plate-mount assembly firmly by hand.
- The assembly should not slide side to side on the tow hook and should not rotate around the tow ring.
- The mating surfaces are designed to conform to the tow hook's D-shaped section and subtle curvature when correctly installed.

STEP 07 | Install the License Plate

- Attach the license plate using standard license plate fastening screws.
- The designed maximum screw engagement depth is 3/8 in (9.5 mm).
- If your plate screws are longer, the blind mounting holes may be drilled through before installation.
- If drilling is required, use a 0.22 in (5.5 mm) drill bit so the hole remains suitable for standard 1/4-14 self-tapping license-plate screws.

STEP 08 | Center the Plate Between the Proximity Sensors



Figure 8. Final installed plate centered as much as possible between the front proximity sensors. Registration information obscured for privacy.

- View the installation directly from the front of the vehicle.
- Position the plate as centrally as possible between the two front proximity sensors.
- The passenger-side tow-hook location and lateral adjustment are intended to keep the plate clear of the sensor fields while maintaining a visually centered position.

STEP 09 | Make Final Sensor-Clearance Adjustments



Figure 9. Installed tow-hook plate mount shown after final adjustment.

- If final adjustment is needed to improve plate position or to prevent proximity sensor activation, remove the license plate to access the clamp fasteners.
- Loosen the four M6 screws and adjust the mounting bracket location as needed.
- Retighten the clamp using the star-pattern method from Step 6, then reinstall the license plate.
- With the area in front of the vehicle clear, verify that the front proximity sensors operate normally.
- Perform a final visual check that the plate is level, secure, and clear of the bumper and sensor faces.

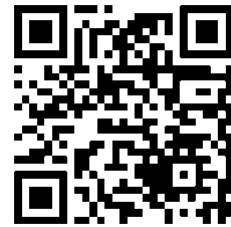
Final Installation Check

- All four M6 screws are engaged with the captured lock nuts.
- Front and rear retention brackets remain separated by approximately 1/8 in (3 mm) or more and are not visibly overstressed.
- Plate mount cannot slide side to side or rotate around the tow hook when checked firmly by hand.
- License plate is secure and mounting screws are not bottomed forcefully in blind holes.
- Plate is positioned as centrally as practical between the front proximity sensors.
- Front proximity sensors operate normally with the area in front of the vehicle clear.
- No part of the mount or fasteners contacts painted bumper surfaces.

Customer Support / Replacement Parts

Limited Installation Support

- If a printed component is damaged during installation as a result of overtightening, please contact KramzarTech through Etsy and include a photo of the affected part.
- After review, KramzarTech may provide a replacement-part purchase option or discount code so the replacement component can be obtained at material cost plus shipping.
- This courtesy applies to replacement components only and does not constitute coverage for incidental vehicle damage, labor, or other related costs.



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Revision Record

Revision	Date	Description
v1.2	2026-09-04	Corrected photo assignments and rotations; consolidated former clamp-verification step into a note under tightening; removed unneeded images from license-plate installation step; refined privacy redaction; updated final-adjustment instructions; added customer support note and Etsy QR code.

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