

RUNGU® FRONT MUDGUARD INSTALLATION ALUMINUM FULL LENGTH WITH DIVERTERS

Rungu Full Length Aluminum Mudguards are compatible with all Rungu Dualie Models. This document explains how to install these Mudguards onto a Rungu Dualie after removing different/other Mudguards if you have them.

CAUTION: USING THESE MUDGUARDS WITH RUNGU DUALIE FRAMES THAT MAKE USE OF A BATTERY BOX UNDER THE DOWNTUBES OF THE FRAME MAY INHIBIT CONTROL OF THE RUNGU DUALIE IN CERTAIN SITUATIONS. THESE MUDGUARDS INTERFERE WITH THE BATTERY BOX WHEN THE FRONT SHOCKS COMPRESS EXCEEDS 70%. WHEN THE SHOCKS ARE COMPRESSED TO THIS LEVEL, YOU MAY NOT BE ABLE TO STEER RIGHT OR LEFT. TO MINIMIZE THE LIKELIHOOD OF THIS INTERFERENCE, WE DO NOT RECOMMEND USING THESE MUDGUARDS ON ROCKS, STEEP DROPS AND AT SPEEDS OVER 25 MPH FOR RUNGU DUALIE FRAMES WITH THE AFORESAID BATTERY BOX. REMOVE THE MUDGUARDS AND STAYS IN THESE SITUATIONS, OR REPLACE THE MUDGUARDS WITH POLYMER MUDGUARDS AVAILABLE AT RUNGU DUALIE.



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Parts included

- 12 ea. rubber spacers



- 4 ea. clamps



- 4 ea. M5 nylock nuts



- 4 ea. M5 x 12 screws



- 2 ea. wire stays



- 2 ea. aluminum Mudguards with mounts



- 2 ea. M5 x 45 screws



- 2 ea. top mounting brackets



- 2 ea. Mud Diverter



- 4 ea. M5x25 SHCS Mud Diverter Screws



- M5 Split Washers



- 2 ea. extended front fender handlebar end stops



Tools required

- 4mm Hex Wrench
- Installation Procedure

Install the clamps and wire stays

1. Remove the front wheels and place the forks onto the inserts if you have them. Place the forks on cardboard or another soft surface to protect the dropouts.



2. Stack three rubber spacers as shown. Repeat this step to assemble 4 stacks in total.



3. Insert the stack of rubber spacers into the clamp. Repeat for all four clamps.



4. Insert a M5 nylock nut into each clamp as shown.



5. Spread the clamp apart and place it onto the right-side stanchion of the first fork as shown.
NOTE: Orient the clamp so that the M5 nylock nut faces the wheel side of the fork as shown.



- Lower the clamp and rubber spacers down until the rubber spacers meet the dropout circled below.



- Place the next clamp on the left-side stanchion circled below. Spread the clamp apart and insert the side with M5 nylock nut between the brake mount and the stanchion.



- Lower the clamp and rubber spacers down until the rubber spacers meet the dropout circled below.



- Insert an M5 x 12 screw into the clamp and hook one end of the wire stay onto the screw.



- Fasten the M5 x 12 screw using a 4mm hex wrench. Do not fully tighten; this will be done in a later step.



11. Insert a M5 x 12 screw into the other clamp. Hook the free end of the wire stay onto the screw.



12. Fasten the M5 x 12 screw using a 4mm hex wrench. Do not fully tighten; this will be done in a later step.



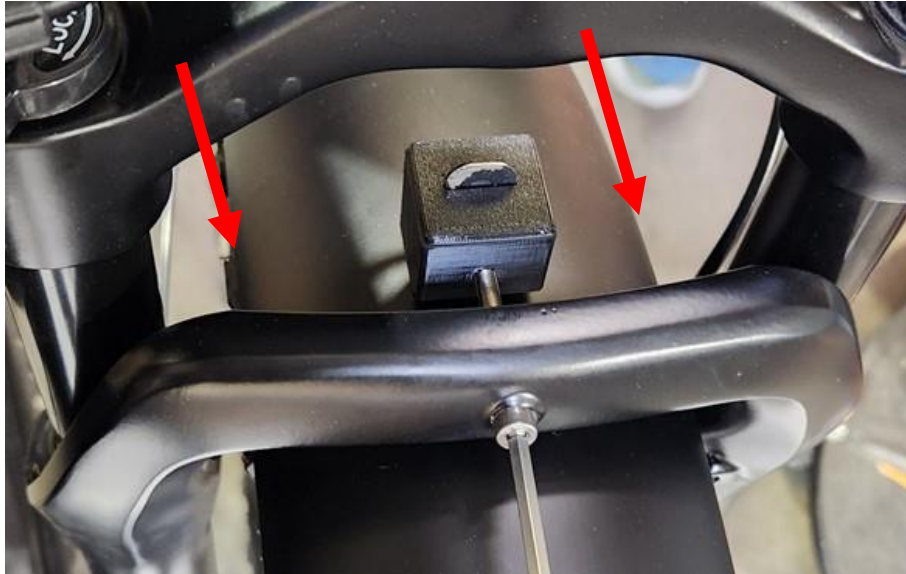
13. Rotate the clamps and orient them as shown below.



14. Repeat steps 6-13 for the second fork.
15. Fully tighten all M5 x 12 screws using a 4mm hex wrench.

Installing the aluminum Mudguard

1. Raise the wire stays and re-install the two front wheels.
2. Slide the first Mudguard through the fork from the rear towards the front as shown. Insert the M5x45 screw through the front of the fork. Use the 4mm hex wrench to fasten the screw finger tight. Do not fully tighten yet.



3. Rotate the stay to position it over the top of the Mudguard.



4. Slide a Mud Diverter under the Mudguard and align the holes in the Mud Diverter with the holes at the bottom of the Mudguard as shown below.



5. Insert a M5x25 SHCS Mud Diverter Screw with M5 washer into a top mounting bracket as shown below.



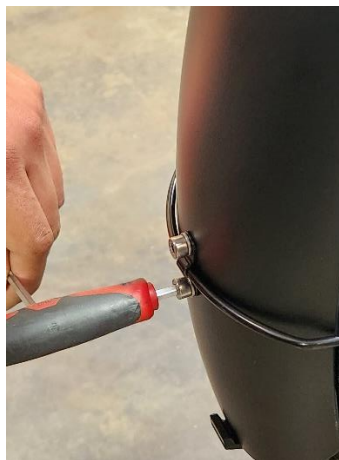
6. Install the M5x25 SHCS Mud Diverter Screw and assembly in the bottom hole of the Mudguard and engage the threads of the Mud Diverter so that the top mounting bracket is loose enough to align the stay bracket in the assembly as shown below.



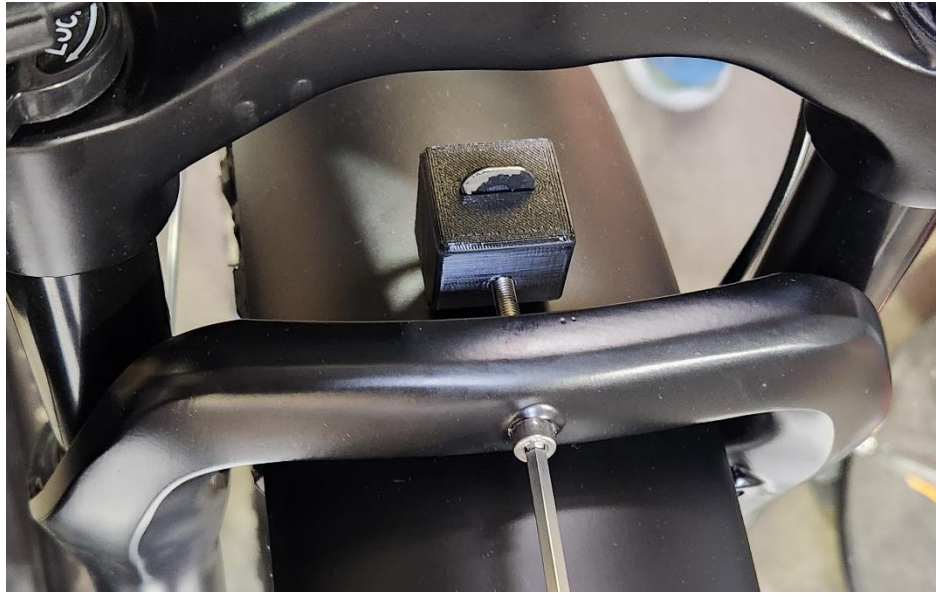
7. Use the 4mm Hex Wrench to install the second M5x25 SHCS Mud Diverter Screw to fully capture the stay.



8. Use the 4 mm hex wrench to tighten both M5x25 SHCS Mud Diverter Screws hand tight to secure the stay and the Mud Diverter.



- Use the 4mm hex wrench to fully tighten the M5x45 screw.



- Repeat this procedure for the second Mudguard.
- Adjust the Mudguard to align it with the tire and 4mm Hex Wrench to fully tighten the screw.

Modified end-stop installation

To prevent the forks from interfering with the wire stays in sharp turns, replace the handlebar end stops with extended front fender handlebar end stops. These modified end stops prevent the handlebars from turning so far that the wire stays interfere with adjacent fork stanchions.

CAUTION: USING NON-MODIFIED END STOPS WITH FULL-LENGTH FENDERS CAUSES THE WIRE STAYS TO INTERFERE WITH ADJACENT STANCHIONS WHEN MAKING SHARP TURNS. THIS INTERFERENCE MAY RESULT IN INTERFERENCE WITH TIRE MOTION AND SUBSEQUENT TIRE DAMAGE.

- Note the size of the gap between the edge of the end stop and the side of the handlebar clamp. Remove the handlebar end stop by pulling it while twisting back and forth.



2. Install extended front fender handlebar end stop as shown.



3. Finish installing the extended front fender handlebar end stop by pushing it while twisting back and forth.



4. After you have replaced the end stop, the gap between the edge of the end stop and the side of the handlebar clamp should be the same or equivalent to the gap you noted for the prior end-stop.



5. Repeat the end stop replacement for the other handlebar.

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6. Rotate the handlebars from stop to stop. The wire stays should not interfere with the fork stanchions; if they do, loosen the handlebar clamps to adjust each handlebar toward the center of the frame then retighten each handlebar clamp (refer to Rungu Dualie owner's manual on how to adjust and tighten the handlebar clamp). Repeat until the wire stays no longer interfere with the fork stanchions at full stops.

Other questions

For other questions, please email support@riderungu.com or call +1 (949) 877-9755.