

RUNGU® FRONT CARGO RACK INSTALLATION AND USAGE GUIDE

Congratulations on purchasing the Front Cargo Rack with your Rungu¹! This document reviews the installation and capabilities of the Front Cargo Rack. Before you ride with the Front Cargo Rack, *please read the following instructions carefully.*



WARNING: IMPORTANT- STANDARD BEARER MACHINES WILL NOT BE LIABLE FOR ANY DAMAGE OR INJURY THAT MAY OCCUR DUE TO OPERATION OF YOUR DUALIE. BY USING THE DUALIE, YOU ARE AGREEING TO STANDARD BEARER MACHINES TERMS AND CONDITIONS AND THE WARNINGS AND CONDITIONS OF THE GENERIC BIKE MANUAL WHICH ARE INCLUDED WITH OTHER LINKS ON THE MANUAL GUIDE THAT COMES WITH THIS PRODUCT.

Standard Bearer Machines, LLC (Standard Bearer Machines) thanks you for your purchase!

¹ As the owner, you agree and are bound by all sales and transfer conditions as defined in “SBM Rungu Sales Terms and Conditions.” TheCo latest version of this document is available on the page rungudualie.com/sales-terms-and-conditions, or upon request by e-mailing sales@rungudualie.com.

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Rungu Dualie® Identification

Installation directions vary depending on the headlight type associated with your Rungu Dualie.

Variation A includes an 18 W or 36 W headlight.



Figure 1 36W Headlight



Figure 2 18W Headlight

Variation B uses a 3W headlight



Figure 3 3W Headlight

If your Rungu Dualie does not have one of the headlights described above, skip to the instructions under “Mounting the Front Rack” to complete the installation.

Follow installation instructions below for the variation that best describes your Rungu Dualie.

Installation instructions

Materials included

- Front Cargo Rack
- 6 ea. M8 x 80 flat hex cap screws
- 6 ea. knurled thumb nuts
- 4 ea. M8 washers
- 2 ea. Head-tube Mounting Gasket
- 2 ea. Head-tube Backing Gasket
- Zip-ties
- Heat shrink tubing
- 3W Headlight mounting bracket and hardware (1 ea. M5x18 socket head cap screw, 1 ea. M5x25 socket head cap screw, M5 Washer, mounting slot cover, and rack front headlight mount)
- 36W Headlight mounting screw and washer (1 ea. M8 washer & M8 x 30 socket head cap screw)
- 9mm drill-bit

Tools required

- 5mm Hex Wrench
- 4mm Hex wrench
- 6mm Hex Wrench
- 8mm box wrench or 6" adjustable wrench
- #1 size Philips head screwdriver
- Wire cutter
- Box cutter
- An Electric Drill may be required.

Variation A: Removing the Headlight

Note: For 18W headlights, removal directions may vary due to variability in headlight mount screws and attachments.

1. Use a 6mm Hex Wrench to loosen the M8 headlight mounting screw.



2. Use a 6mm Hex Wrench to remove the headlight mount from the headlight.



3. Use wire cutters to cut all of the zip ties used to fasten the headlight cable to the downtube.





Figure 4 Downtube Ziptie locations

4. Use a box cutter to cut and remove the heat shrink circled in the image below.

Note: You may find that there is no heat-shrink wrap on the cabling connection for your vehicle. If this is the case, proceed to the next step.



CAUTION: BE CAREFUL NOT TO CUT YOURSELF OR INTO THE WIRE HOUSING FOR THE CABLING. CUTTING INTO THE CABLE MAY CAUSE WIRING TO SHORT RESULTING IN DAMAGE TO CONTROL ELECTRONICS, THE HEADLIGHT, OR BOTH.

Variation B: Removing the Headlight

1. Use a #1 Philips head screwdriver to loosen and remove the flat head screw circled below. Put the screw aside for reassembly.



2. Use a 4mm hex wrench and an adjustable wrench or 8mm box wrench to loosen and remove the M5x35 screw and M5 Nylock nut. Put the nut and screw aside for reassembly.



3. Spread apart the Downtube Finish Cover and remove the headlight from the assembly.



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4. Use wire cutters to cut the zip-tie holding the hydraulic brake splitter to the Downtube Finish Cover. And remove zip-tie.



5. Remove the Downtube Finish Cover from the downtube by spreading apart the two halves and pulling them out toward the front of the bike. Put the two halves aside to replace later.



6. Pull the headlight cable out as far as possible from the front of the downtube. Secure the end of the exposed connector to make sure it cannot retract into the downtube. Disconnect the headlight cable from the headlight power output extension cable.

NOTE: When disconnecting the headlight cable from the headlight power output extension cable ensure that the extension cable does not fall into the downtube. If there is tape or heat shrink holding the two connectors together, remove it.



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7. Connect the headlight extension cable to the headlight power output extension cable supplied with the installation kit.



8. Reassemble the Downtube Finish Cover comes as shown below.



9. Spread apart both sides of the downtube finish cover then reinsert the cover into the downtube so that the back of the cover sits against front of the downtube.



10. Push the headlight cable back into the downtube until the entire headlight connection is captured inside the downtube as shown.



11. Before completing the next step, route the cables and housings under the Downtube Finish Cover to ensure that:
 - a. The headlight fastener holes line up on either side of the downtube finish cover as shown.
 - b. Derailleur cable housing does not interfere with closing the downtube finish cover.
 - c. Motor data cable does not interfere with closing the downtube finish cover.



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12. With the back edges of the Downtube Finish Cover flush against the end of the downtube (see step 9), clamp and push the two halves together and into the downtube. The Downtube Finish Cover should be flush with the front edge of the of the downtube.



13. Insert the screw from step 1 into the Downtube Mounting Cover as shown. Use the #1 Phillips head screwdriver to tighten the flat head screw shown below.



14. Insert the Downtube Finish Cover Blank into the downtube finish cover in the gap that held the headlight.

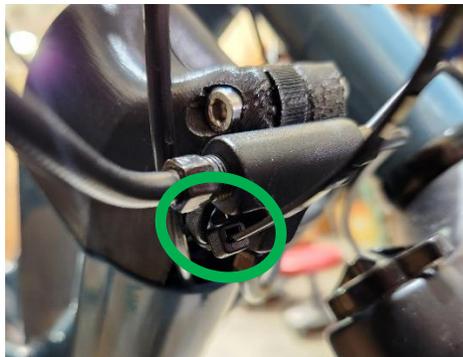


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15. Insert the M5x35 screw from step 2 into the right side of the Downtube Finish Cover and thread the nylock nut from step 2 onto the end of the screw. Use a 4mm hex wrench and the adjustable wrench (or 8mm box wrench) to fasten the two halves together and secure the blank to the Downtube Finish Cover.



16. Use a zip-tie to re-secure the hydraulic brake splitter to the bottom downtube finish cover. Use wire cutters to trim the zip-tie lead.



Checking for and remediating excess weld reinforcement inside mounting holes

Note: Model frames build prior to 2021 have a high probability of excess weld reinforcement inside the two front mounting holes. Though newer models have a low probability of excess weld reinforcement inside mounting holes, follow the steps of this section to verify before proceeding with rack installation.

Excess weld reinforcement may interfere with the insertion of the mounting screws for the following installation instructions. This section shows how to identify excess weld reinforcement and how to remove it.

1. Check the front mounting holes by inserting an M8x80 screw provided with the installation kit into each of the upper two front mounting holes.

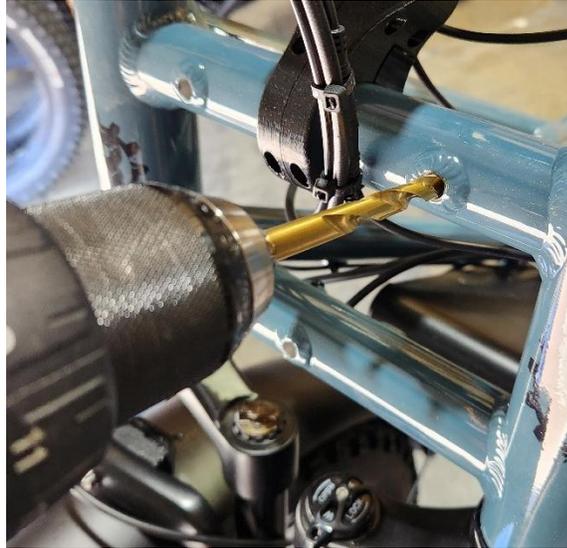


2. If you fail to insert the screw or pass the screw up to the head through each mounting hole without resistance, follow the next steps to drill out the excess weld. Otherwise, skip to the next section "Mounting the Front Cargo Rack".



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3. Use the 9mm drill bit provided with a corded or cordless power drill to drill out the inside of the mounting holes.



CAUTION: WEAR SAFETY GLASSES WHEN OPERATING POWER EQUIPMENT

4. Repeat steps 1-3 until the screw passes through the hole without resistance.

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Mounting the Front Cargo Rack

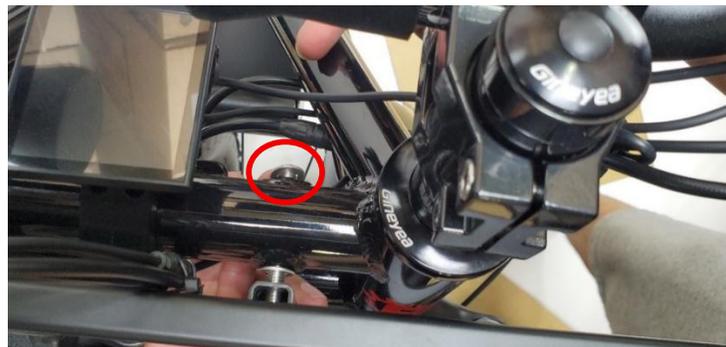
1. Insert two M8 x 80 flat hex cap screws into the front rack as shown. Slide an M8 washer onto each screw on the back side of the rack as shown below.



2. Insert the assembly through the front mounting holes. So that the washer separates the frame from the rack assembly. Orient the cabling between the frame and rack so that there's only one layer of cables/conduits between the frame and the rack.



3. Slide an M8 washer onto the end of the left-side screw.



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4. Thread a knurled thumb nut on the end of the screw. Do not tighten, this will be done in a later step.



5. Repeat steps 3 and 4 for the right-side screw.



6. Lift the front rack from the frame and insert a Head-Tube Mounting Gasket in between the front rack and the front left head-tube.

Note: The head-tube mounting gasket has a chamfered edge. Insert the head-tube mounting gasket such that the chamfered edge is positioned towards the center of the frame as shown below.



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7. Align the holes of the front rack with the holes of the head-tube mounting gasket.



8. Insert two M8 x 80 flat hex cap screws into the front rack and through the head-tube mounting gasket.



9. Many Variation A frames have a cable tie down location feature on the inside of the front left head-tube. The head-tube backing gasket has a slot to accommodate the feature. Orient the head-tube backing gasket such that the cable tie down fits into the slot.



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10. While holding the M8 x 80 flat hex cap screws in place, align the Head-Tube Backing gasket holes over the screws and push the gasket towards the Head-Tube Mounting gasket until the two gaskets sit flush with one another.



11. Thread a knurled thumb nut onto each screw. Do not tighten at this time.



12. Repeat steps 6-11 for the right Head-Tube.

Note: The inside of the front right headtube does not have a cable tie-down feature.

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13. Use a 5mm Hex Wrench to fully tighten all six screws.



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Variation A: Mounting the headlight to the Front Cargo Rack

Note: For 18W headlights, installation directions may vary due to variability in headlight mount screws and attachments. For specific guidance or different mounting components, email pictures of the mounting brackets and screws you have to service@rungudualie.com.

1. Insert the M8 x 30 socket head cap screw with a M8 washer through the hole of the front rack as shown below.

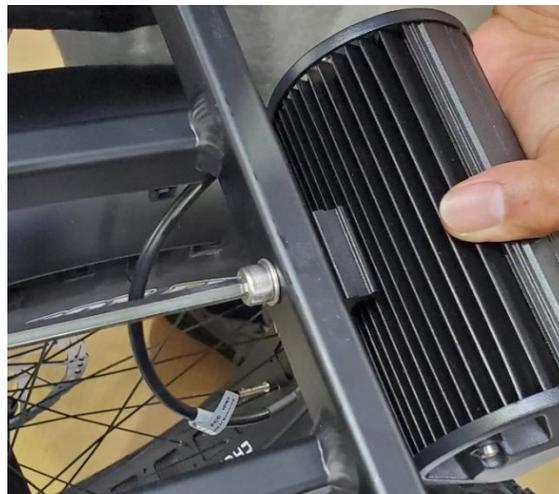


2. Thread the M8 x 30 socket head cap screw into the nut found behind the headlight mounting bracket.



Note: The M8 nut floats between the back of the headlight and the inside of the bracket; it may take a few attempts to align the nut with screw to fasten the two.

3. Use a 6mm Hex Wrench to fully tighten the M8 x 30 socket head cap screw.



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4. Use a 4mm Hex Wrench to loosen the M5 screws shown until you can rotate the headlight.



5. Rotate and adjust the headlight to face forward and down to best illuminate the path in front of you.



6. Use a 4mm Hex Wrench to fully tighten the M5 screws once you have positioned the light to your satisfaction.

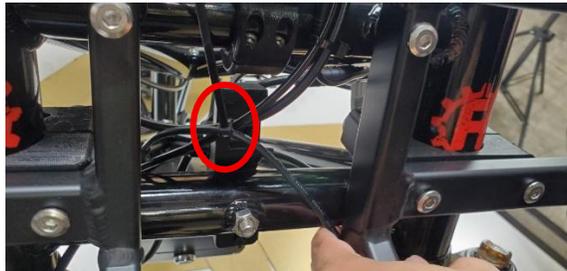


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7. Use a zip-tie to route and tie down the headlight cable as shown below.



8. Route the headlight cable alongside the rear brake and shifter housing cables as shown. Use a zip-tie to secure the headlight cable to the rear brake and shifter housing cables.



9. Connect one end of the headlight extension cable included with the kit to the headlight power cable.



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10. Connect the other end of the headlight extension cable to the headlight power output cable coming from the battery box. Use a zip-tie to secure the headlight extension cable to the rear brake and shifter housing cables as shown.



11. Use another zip-tie to secure the headlight power output extension cable on the other side of the connection to the rear brake and shifter housing cables as shown below



12. Take up slack in the headlight extension cable by making an "S" shape with the connected cabling. Use zip-ties to secure it to the rear brake and shifter housing cables.



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13. Zip-tie the motor data cable to the front brake cable as shown below. ??



14. Use wire cutters to trim the zip-tie leads.



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Variation A: Mounting the headlight to the Front Cargo Rack

1. Fasten the Headlight Mount to the front of the rack as shown using the provided M5x25 screw and M5 washer as shown. Finger tighten.



2. Use a 4mm hex wrench to tighten the M5x25 screw (up to ?? Nm).



3. Insert the mounting tab of the 3W headlight from above between the two flanges of the Headlight Mount as shown.



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4. Insert the provided M5x18 screw through the left side flange and headlight mounting tab. Angle the headlight to your preference, then use a 4mm hex wrench to tighten the M5x18 screw **(NM)** and secure the 3W headlight in position.



5. Connect the headlight cable to the headlight extension cable under the front cargo rack.

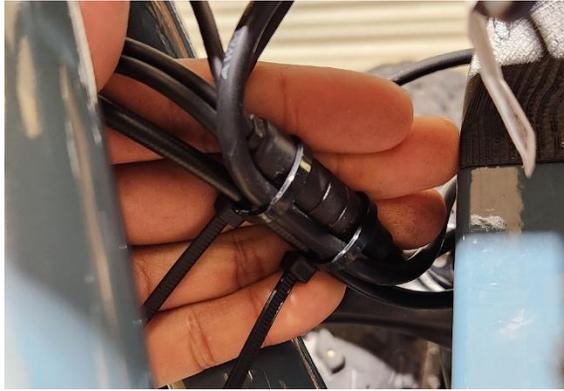


6. Route the connection and extension under the cargo rack and use a zip-tie to secure the cables in the two cable anchors as shown below.



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7. Take up slack in the headlight extension cable and zip-tie it to the front brake and motor data cables behind the Front Cargo Rack.



8. Use wire cutters to trim the zip-tie leads.



Specifications and usage

The Front Cargo Rack was designed to support a maximum of 50 lbs. of weight centered on the rack and evenly distributed.

The front rack and mounting components weigh approximately 3 lbs.

The Front Cargo Rack carrying surface measures L 11in. (from the inside of the front retention bar to the back internal edge of the rack) x W 17.6in (between the two side supports).

WARNING: DO NOT EXCEED LOADING SPECIFICATIONS. EXAMPLES INCLUDE, BUT ARE NOT LIMITED TO, A SECOND RIDER SEATED OR STANDING ON THE RACK. EXCEEDING LOADING SPECIFICATIONS MAY RESULT IN INJURY OR DEATH TO THE RIDER OR OTHER PERSONS. EXCEEDING LOADING SPECIFICATIONS MAY RESULT IN DAMAGE TO THE RACK AND/OR VEHICLE.

WARNING: AVOID CARRYING ITEMS ON THE RACK THAT RESTRICT VISIBILITY DURING RIDING. RESTRICTED VISIBILITY CAN RESULT IN IN INJURY OR DEATH TO THE RIDER OR OTHER PERSONS. RESTRICTED VISIBILITY CAN RESULT IN A CRASH THAT CAN DAMAGE THE VEHICLE AND OTHER PROPERTY.

WARNING: DO NOT CARRY A SECOND RIDER ON THE RACK REGARDLESS OF WEIGHT. AN ACCIDENT MAY RESULT IN INJURY OR DEATH TO A SECOND RIDER. A SECOND RIDER CAN RESTRICT VISIBILITY AND RESULT IN AN ACCIDENT.

Further questions

Contact support by e-mail at support@riderungu.com or call +1.949.877.9755