



**Karoo**  
**Installation Guide**  
**for Mudguards**

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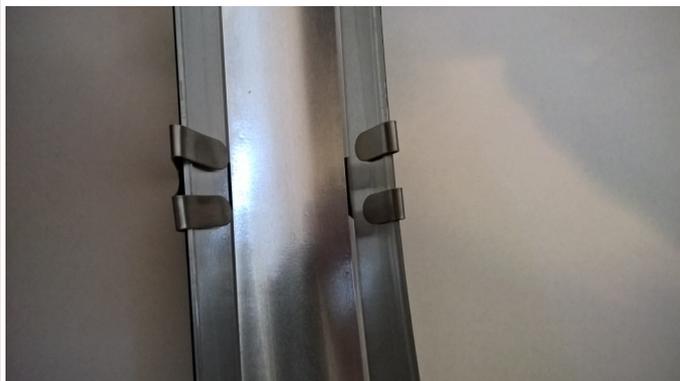


## Installation of the rear mudguard

You will first need to flip the bike upside down. With the bike in this position, unplug the motor cable (see photo below-left), and then remove the rubber cap on the left side, and slide the rubber cover down the cable a little on the right side (see below-right). Extend the kick-stand and then loosen the wheel nuts, you will need to undo the nut on the cassette side fully and then slide the nut and washer along the cable a little, this is so it clears the derailleur when you lift the wheel out. You can now lift the wheel clear of the bike ensuring that you extend the derailleur to allow the cassette to clear it. If you have not done this before, it may be better to have your local bike shop do this for you as it can be a little fiddly.



You will need to wrap the upper mounting bracket around the guard approx. 35cm from the end of the guard (from the end where the mounting hole is).



**Note:** when you come to re-fit the wheel, ensure that you line up the arrows on the connectors of the motor cable before pushing the connectors firmly together,

You will then place the guard in position on the bike and fit the bolt/washer through the mounting hole to secure it. You will then likely need to reposition the upper hanger a little and once in the correct position, fit the bolt/washer (and nut in this case) to secure it. You can re-fit the wheel at this point.



With the guard now reasonably well secured, you can fit the hangers. There are several parts for this task, two hangers (one for each side), two bolts (to secure the hangers to the frame), four clips (to secure the hangers to the mudguard). The clips simply slide over the ends of the hangers, there is a nut/bolt that is used to lock the clips in place, but leave this until the guard is fully installed and you are happy with the positioning of it. There is also an additional bolt which is used to secure the hanger to the mudguard, you will need to loosen this second bolt (see below-left) and then press it with your finger so that the end opens enough for you to clip it over the edge of the mudguard (see below-right).



Attach the hanger to the frame at the position shown (below-left) and then rotate the hanger so that you can slide the edge of the mudguard between both of the clips. Tighten the bolts to secure the clips to the mudguard, and then do the same for the other hanger on the other side of the bike.



Once you have all four clips in place, you may need to adjust the position of the clips on the actual hangers, the purpose of which is to align the mudguard properly with the wheel. Once you are happy with the position, tighten the bolts to secure the clips in place on the hanger (see below-left). It should look like the photo below right when you're done.



### Installation of the front mudguard

Some of the steps for fitting the front mudguard are similar to the steps taken to fit the rear guard, however the hangers for the front mudguard are not the same as each other (like they are for the rear hangers). First, fit the bolt through the two pieces **and** through the frame to secure them roughly where they are going to go (you can fine tune the positioning later). Next, attach the hangers to the forks in the position indicated (below right). The longer part of the hanger should be at the bottom, and the part of the hanger that attaches to the fork should be angled so that the hanger bends inwards slightly as it extends towards the mudguard.



The clips attach to the front guard in the same way as they do the rear, so no more explanation is needed there. The only thing left to do after securing the clips to the guard is to adjust the height to suit, for this you will need to loosen the bolt at the top, set the height of the two mudguard pieces as necessary and then tighten the nut/bolt to finish. Once done, it should look like the photo below.



## Woosh Support:

Be sure to check the FAQ section on our website before calling as the answers to the most common queries are there and you may find that the solution to your problem is already online. If you *do* need to get in touch, our contact details are below.

It can sometimes be useful to *see* the issue you have, so if possible, email a couple of photos illustrating the problem and we'll normally get back to you within a an hour or two (on weekdays).

Support staff are not available at the weekends, though if you send an email or leave a phone message, it will normally be read and responded to on the following Monday morning.

Support articles and FAQ's: [www.wooshbikes.co.uk/?support](http://www.wooshbikes.co.uk/?support)

Email: [support@wooshbikes.co.uk](mailto:support@wooshbikes.co.uk)

Telephone: [01702 684444](tel:01702684444) (If no-one is available to take your call, leave a brief message and contact no. and we will call you back as soon as we are able).