



Woosh GSM

CD Kit Fitting Guide

(using external controller)

Important: For your own safety you must read this manual before attempting to fit any part of the motor kit to your bike. You must also ensure that you fit the kit in strict accordance with the instructions in this manual.

Before you start the installation of your kit, please read the following:

This kit is intended to be fitted by someone who is competent and experienced at fitting electric kits to bikes. If you are not experienced and/or lack the necessary tools to complete any of the procedures in this manual, you should seek the advice of a professional who can fit the kit for you. If necessary, call us on [01702 684444](tel:01702684444) or email us at support@wooshbikes.co.uk and we will try and put you in touch with someone in your area that has the necessary expertise to properly fit your kit. You will of course need to pay for the technician to install your kit, these costs are not covered by Woosh Bikes.

Warranty Terms:

If your kit is fitted by a professional installer, it will be covered by our standard one year warranty, which means that in the event of a failure, you would first need to have the person that installed your kit confirm the issue and likely cause, then you (or the installer) would need to contact us and provide us with the details of the fault. If the issue cannot be resolved over the phone or via email, then you would need to return the faulty part to us at your expense. We will then repair or replace the faulty part and send it back to you at our expense. If the kit was not fitted by a professional and/or the failure that has occurred is due to a poor or incorrect installation of the kit, the warranty will be void.

Hints and Tips

The information below is to help with common issues you may encounter during/after installation.

Error Codes and what they mean:

06 E—you have a throttle that has an enable/disable button. The kit expects a twist-grip to be present and if it is disabled, it will show the error code. The bike will continue to work like this, but the error code will not clear until the twist-grip is enabled (by pressing in the red button). This issue does not occur with the thumb-throttle as it always on and cannot be turned off.

05 E—this error occurs if one of the brake levers is pulled while powering up the bike. Simply release the brake lever and this error will clear.

Chain-ring not lining up correctly with rear cassette or freewheel:

If you find that you have this issue, we can supply a washer which will help to bring it into line, just give us a call and we'll get one sent out for you. They are £1 plus postage. You will need one of these if your chain keeps coming off and/or you cannot select all of your gears. See the section of this manual entitled "Installing the motor" for more details and a photo showing where the washer is fitted.

What's in the Box

Ensure that you have all the parts shown below before going any further, if there are any missing parts, contact us on 01702 435566.

This kit comprises of mid-drive motor/chain-ring, cranks, bracket-parts/fixing kit.



There is also an optional additional set of cables. If you are using the "36V12.5Ah Case-08 Frame Bottle Battery Pack" kit from BMS Battery, you will not need these cables. If you plan to use a different controller/battery kit, you will need the items pictured below which are the motor cable and pedelec sensor cable. The BMS battery kit consists of 13.6Ah battery and charger, 18 Amp controller, LCD, brake levers, thumb-throttle, cabling.



Pedelec Dual Hall sensor wiring:

Black: ground

Red: 5V supply

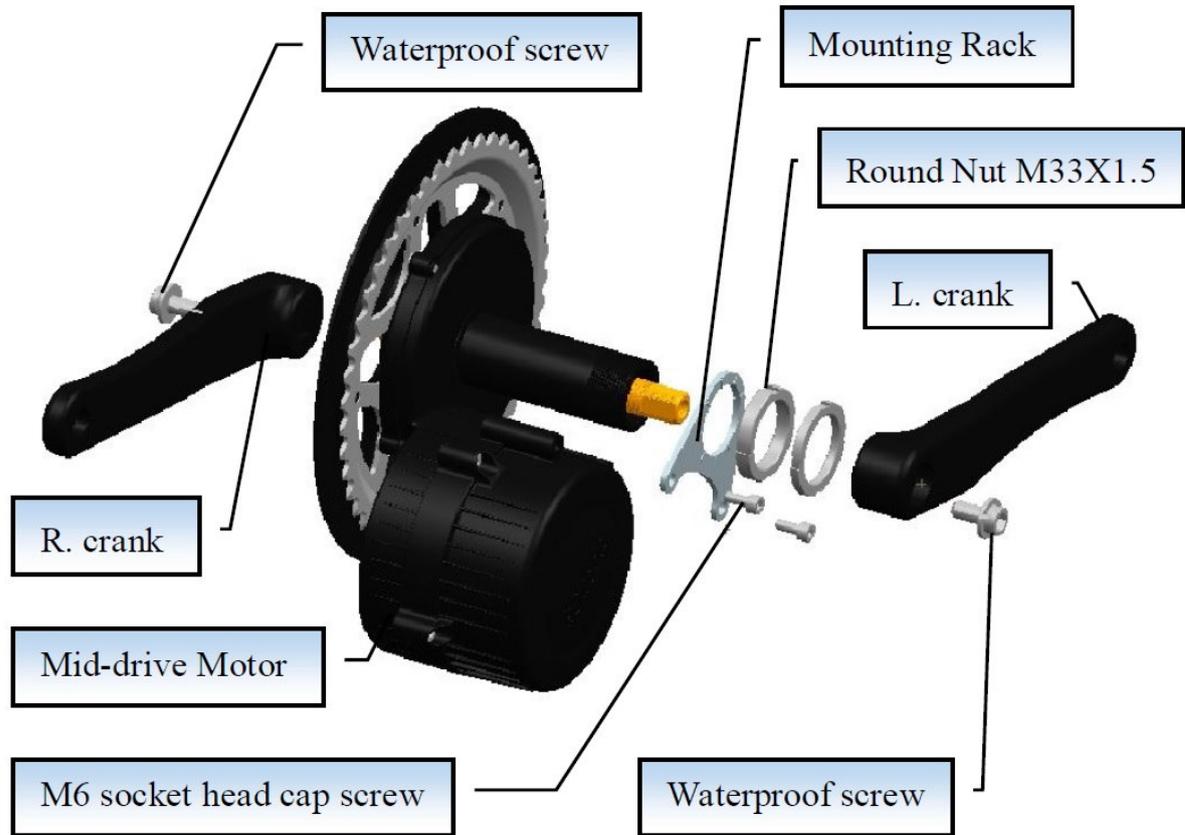
Yellow: Hall 1 output

Green: Hall 2 output

If your controller uses 3 wire sensor, discard Hall 2 (yellow).

Installing the Motor

You first need to remove your existing bottom bracket, slide the motor in from the right side of the bike and then fit the remaining parts as per the diagram below.



Before you proceed to secure the motor in place, ensure that at least 10mm of the thread protrudes on the left side.

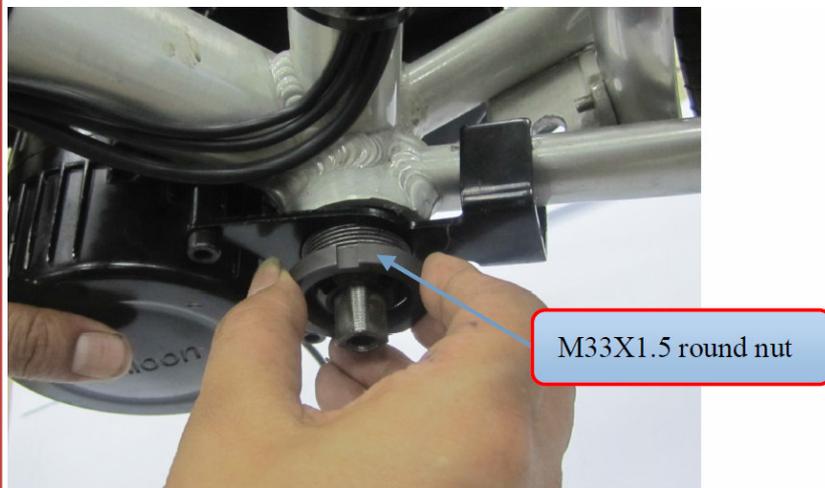


Installing the Motor cont.

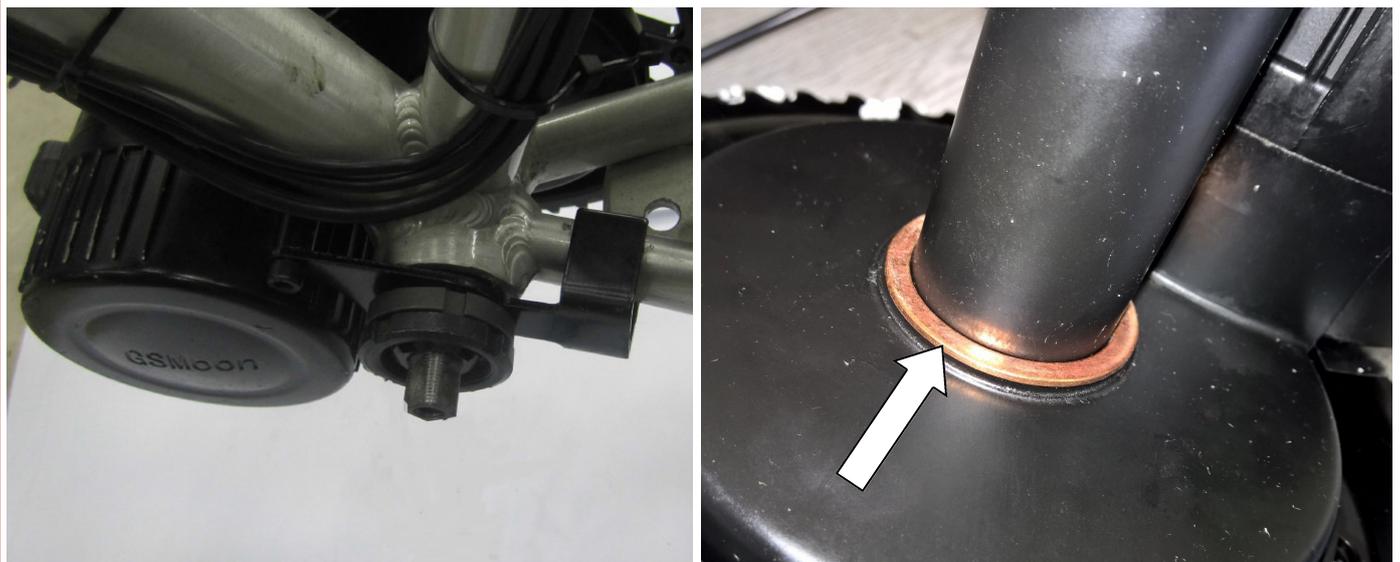
Align the bracket as shown and fit the two 12mm M6 bolts in place as shown below.



Fit the M33 nut in place and tighten to a torque of 55-60Nm



Fit the second nut and tighten this to the same torque.



You should now fit the cranks. If you find that the position of the chain-ring is not correct, we can supply a washer which will help bring it into line—see above right. These washers are £1 plus postage, just give us a call if you need one.

Battery care:

This is still relevant even if you sourced your battery elsewhere.

Some care is needed to ensure your battery performs at its best and lasts as long as possible. All batteries age over time and so the distance you will get from a full charge will gradually decrease, so to ensure you get the most from your battery, follow the instructions below.

Charge the battery once or twice per week or as needed.

Do NOT charge the battery in extremely cold conditions. If the battery is being charged indoors, remember to allow the battery to warm up to room temperature before charging.

If the battery is not in regular use i.e. over the winter, you should charge the battery for around 10-15 minutes every three—four weeks. This will slow the aging process and will help the battery to last as long as possible. When the bike is to be put back into service, fully charge the battery.

General battery care:

Do not attempt to open the outer casing of the battery.

Do not attempt to repair the battery.

Do not immerse the battery in water.

Keep the battery away from children.

Do not drop, pierce or otherwise damage the battery casing.

Ensure the battery is not exposed to temperatures above 55 degrees Celsius or extreme humidity.

Do not use your bike in an environment where temperatures are below -5 or greater than 55 degrees Celsius.

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, it will normally be read on the following Monday morning.

Support articles and FAQ's: www.wooshbikes.co.uk/?support

Email: kits@wooshbikes.co.uk

Telephone: [01702 684444](tel:01702684444) (If there is no answer, leave a brief message and contact no. and someone will call you back).

Support staff are available 10am to 5pm Monday to Friday.