Regular Rear Motor Wheel

swytch

Version 001

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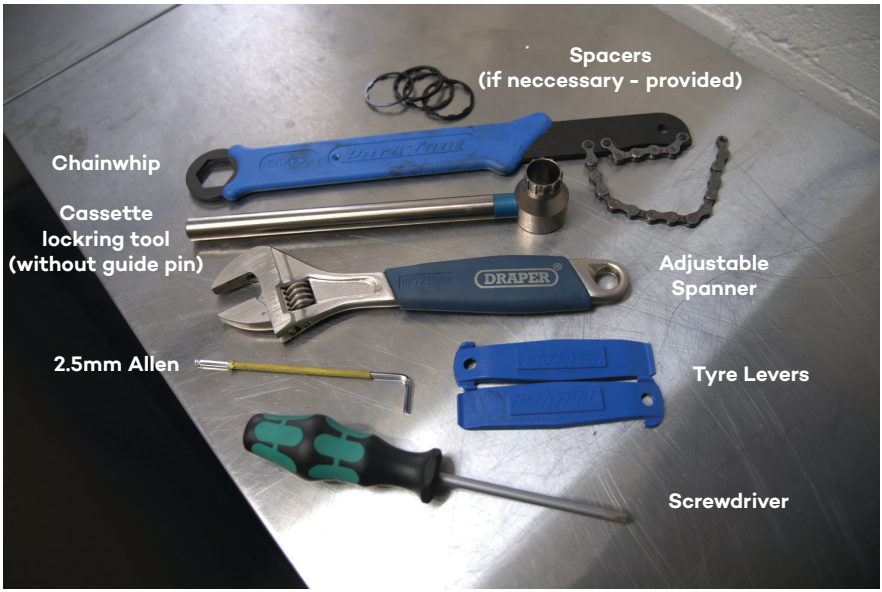
https://support.swytchbike.com/hc

1
Getting started

Tools Required

You'll need to use the following tools to install your Kit.
Please note that these aren't provided.



General Notes

Fitting the rear motor wheel can be challenging, especially if you don't have prior experience, as bike designs can vary significantly. If you're unsure at any stage, we recommend reaching out for support.

We work with over 100 trusted bike shops who can assist with installation, or you can contact our dedicated customer support team who'll be happy to help. Ensuring a correct fit is key to safe and smooth performance.

2
Installation

Regular Rear Swytch Motor Wheel

Your Swytch motor wheel has been built to your specified size and incorporates the 250W motor hub that powers your bike. It's important that it is securely fitted. The rear motor wheel comes in two types: regular or thru-axle.

These instructions are for the regular rear motor wheel version.

1. Remove your existing front wheel

1.1 Turn your bike upside down. Untighten the bolts or release the skewer if you have Quick Release forks. Slacken the chain by pulling back on the derailer, allowing the cogs to be freed from the chain, wheel can then be removed.

Note

These steps depend on the brand and type of bike you have. If any doubts, please refer to your bike manufacturer's instructions.

2. Prepare your Swytch motor wheel

2.1 Fit your Swytch motor wheel with a tyre and inner tube using either your existing set or a new set (advised). Use tyre levers to help you.

2.2 Pump up the tyre to the manufacturer's suggested tyre pressure. This is printed on the sidewall of the tyre.

Tyre levers

Bike pump

2.3 If you have disc brakes, remove the six screws and plastic spacer from the motor wheel.

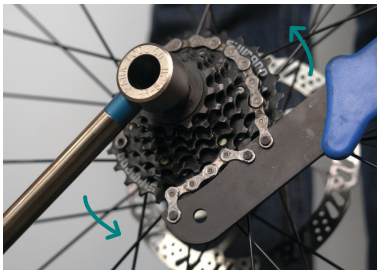
2.4 Move the disc rotor from your old wheel onto your Swytch motor wheel.

2.5 Use the provided screws.

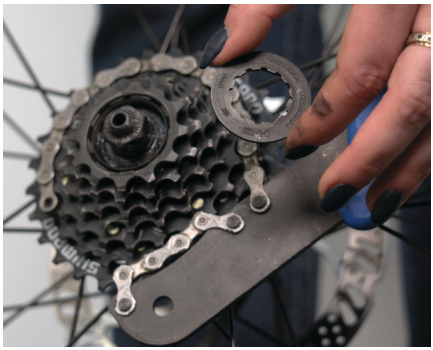
> ⚠ Ensure 2-3 Nm of torque is used. Visit swytchbike.com/manual /3nm/ for support.

3. Swap over the cassette

3.1 Wrap the chain whip around the cassette to keep it from rotating. Turn the cassette lockring tool counter-clockwise to loosen the lock ring.



3.2 Remove the lock ring first and then the cogs from your existing wheel.

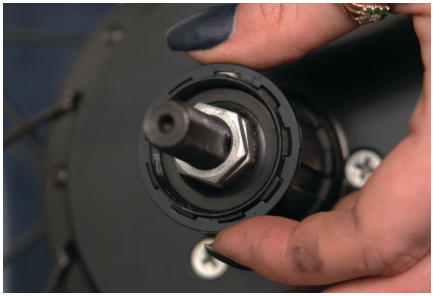


3.4 Carefully lift the cogs off your old cassette and place them onto the motor wheel cassette, using the alignment feature to line them up. The thinest spline as indicated to by the arrow is used to match up with the thinest spline on the hub.

Note for < 11 speeds

The cassette must match the hub width for a snug fit before tightening the locknut.

Use the spacers provided to fill any gap, simply add more if the cogs wobble, or remove some if the lockring won't thread on.



3.5 Place the lockring on top and tighten clockwise (to specified torque) using the cassette lock-ring tool.

Note

You may also need to remove a nut from the motor body to tighten the lock ring. Make sure to refit after.

4. Refit the new rear motor wheel

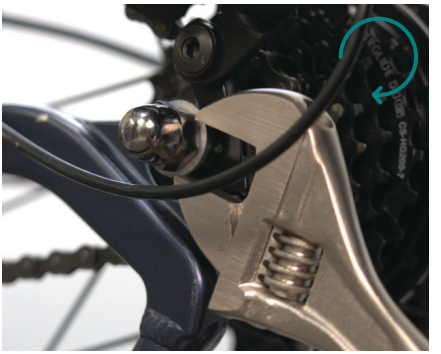
4.1 Ensure bolts and axle spacers are first re-fitted and aligned as shown.

4.2 Next, align the brake caliper between the discs so it can be lowered into place.

4.3 Pull back on the derailer and let the chain wrap over a low gear.

4.4 Line up the axles into the dropouts and slot it into place, pushing down firmly to ensure the axles are fully seated on both sides.

4.5 Tighten the bolts on both sides, making sure the axle stays fully seated on both ends as you go.



⚠ Ensure 45 Nm of torque is used. Visit swytchbike.com/manual /45nm/ for support.

Note

Test it by rotating the pedals. If the chain is slipping or falling off, adjust the derailleur using a screwdriver.

5. Connect up!

5.1 Fit the motor extension cable provided to your mount if you have your Power Pack mounted to your handlebars.

5.2 Next, connect the motor wheel cable to the extension cable.

5.3 Secure the cable to the frame of your bike using cable ties. Cut the ends using scissors.

5.4 Take it for a spin!

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Swytch Help Centre.

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