POWER-PED ELECTRIC BICYCLES

Euro Kit

DIY

Installation Manual

STEP 1

To install the Power-Ped Euro Conversion Kit you will need to use the following tools.

1. Tyre levers
2. 8mm spanner
3. 2x 10mm spanner
4. 15mm spanner
5. Phillips head screw driver
6. Side cutters/ clippers
7. Hex key set (metric)

In the Power-Ped box you will find

- Wheel and motor
- Rack and battery
- Throttle
- Pedal assist display
- Pedal assist magnet wheel and sensor
- Brake cutout attachment
- Charger

Step 2

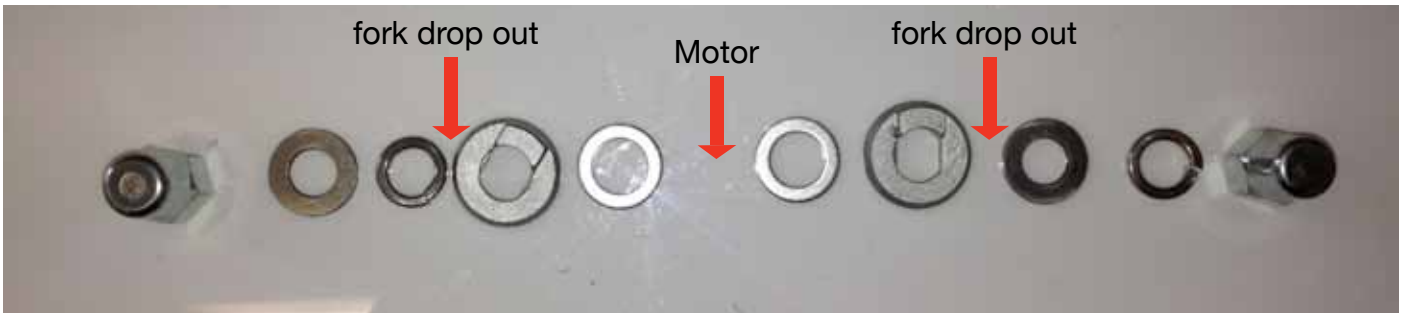
Preparing Bike

Find the connector on the motor lead and disconnect. This will allow you to attach the wheel to your bike with ease.

Remove the original front wheel from your bicycle and swap the tyre and tube from your old wheel to your new wheel. We recommend a thorn proof tyre and tube.

Step 2

Attaching Motor/Wheel



Attached to the motor axel you will find these nuts and washers. Above is the order they should be in. If you will be using a disc brake system on the front, be sure to attach the disc to the motor before the motor is attached to the bike.

The red arrows above show you where the fork drop out should be attached. Make sure the hook on the hook washer is sitting at the bottom of fork dropout. In some cases the fork drop out might need to be lightly filed in order for the motor axel to fit. If you are having trouble fitting the axel in the fork drop outs you can use a 10mm spanner to manipulate the axle. You can also take off the outer nuts and washers to make attachment easier.
In order for the wheel to spin the correct way the motor cable needs to be on the right hand side of the bike. Once wheel is placed in the fork drop outs, tighten the outer bolt using a 15mm spanner or a torque wrench. Tighten to roughly 20 Nm.

Step 3

Attaching Battery Rack

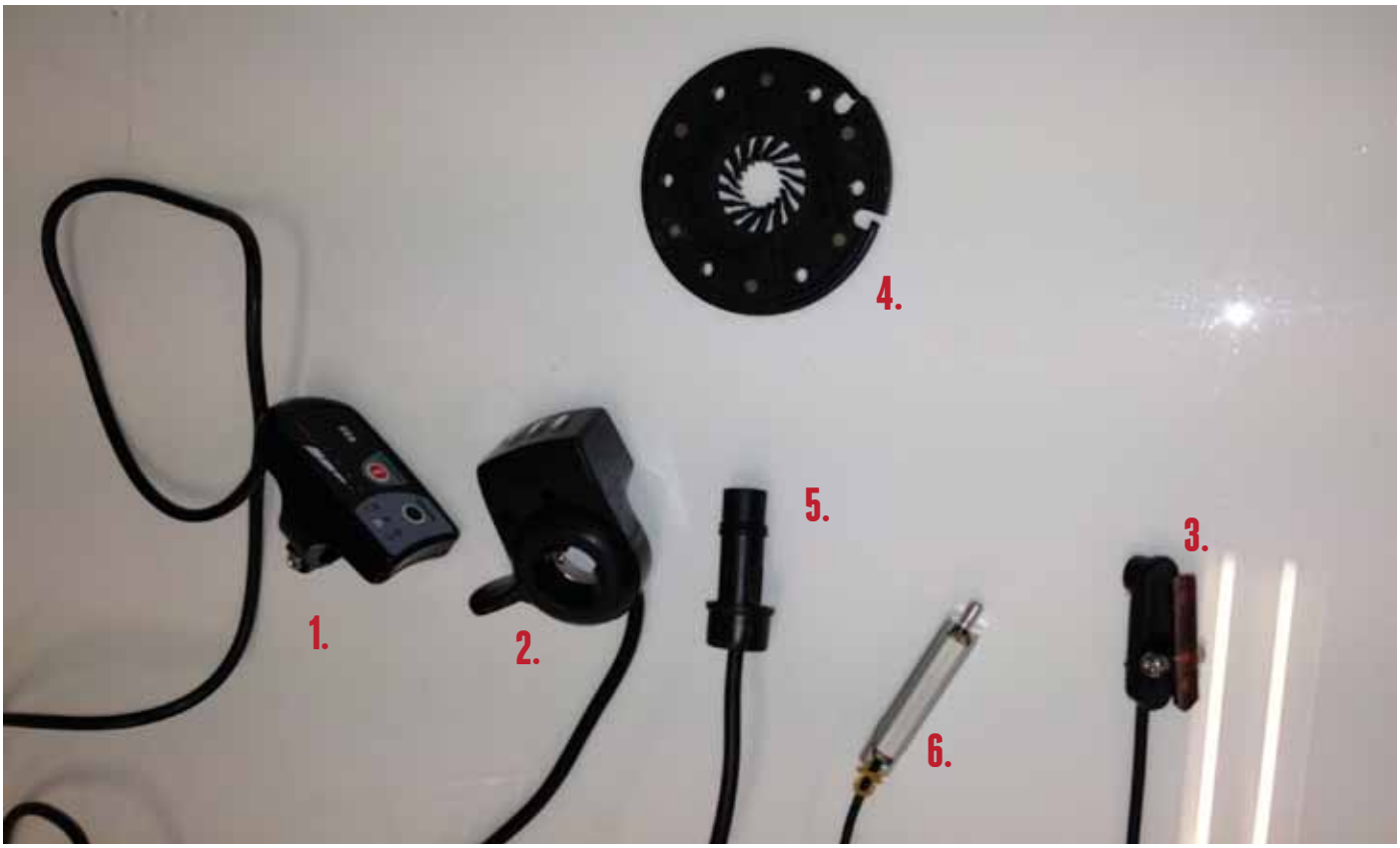
To attach the battery rack your bike must have rack mounts. Most bicycles have these mounts. The Power-Ped battery rack comes with multiple adjustments. You will find a spare rack leg (as seen above). Attach this leg to the rack if you have a disc brake on the rear. You can also adjust the arms so the rack fits to your bike neatly.

It's a good idea to double check the tightness of the bolts that hold the plastic battery casing to the rack itself. These bolts can come loose in rough terrain so make sure they are done up reasonably tight.

Find these rack bolts in the packaging, Attach the rack by putting it in place and screwing the screws into the rack mounts. For extra strength and tightness use lock tight.

Step 4

Fitting Control Components



Attached to the controller box/ battery case should be 5 different wires.

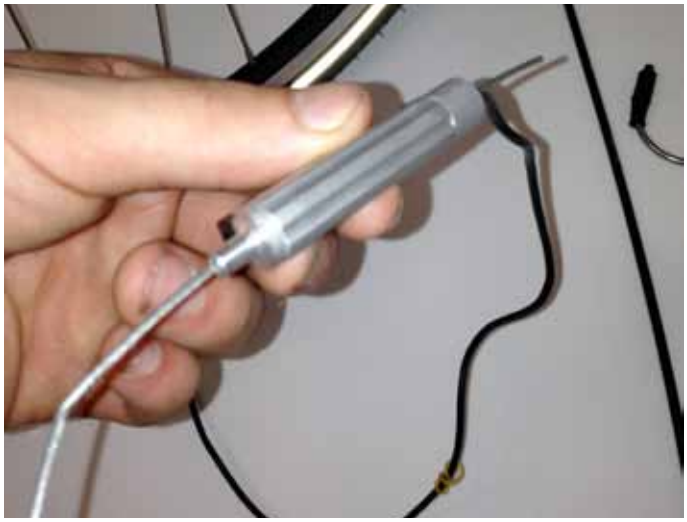
1. Display/ pedal assist controller (mounted on handle bar)
2. Thumb throttle (mounted on handle bar)
3. Pedal assist sensor (generally mounted on seat tube near bottom bracket on LHS)
4. Pedal assist magnet wheel (mounted on bottom bracket between frame and crank)
5. Motor cable (plugs into cable coming from motor)
6. Brake cutout (mounted on either end of the front or rear brake cables)

The next step is to remove the grips from the handle bars. After this you can start attaching the components in no specific order. Every bike is different so there is no specific way to attach these components to your handle bars. You need to work out the best setup for your handlebars. It's best if you can fit the throttle to the right hand side and the display to the left hand side of the bars. Above you can see that the throttle fits on the RHS without being obstructed by the gear shifter or brake lever. To tighten the throttle take the correct sized hex key and tighten the small bolt located near the throttle lever.

Fitting Handle Bars

The next step is to attach the pedal assist display to the bars. On most bikes it is best if you fit this on the left hand side of the bar but to the right hand side of the brake lever and gear shifter. Once you have found an appropriate position for the display tighten it on the back using the correct sized hex key.
Once these 2 items have been attached you can put the hand grips back on.

Brake Cutout



The brake cutout acts as a safety switch to disengage the motor. To attach you need to remove the brake cable from the brake lever or caliper. Thread the inner brake cable through the cutout device as shown above. Shorten you outer cable by roughly 50 mm and fit to brake cut out device. Think of the cutout device as an outer cable extension, Once assembled it should look like the picture on the left. Alternatively you can remove this cut out device by unplugging it from the controller box located in the rack.

Pedal Assist System

The pedal assist system allows you to power your motor using pedal power. It's controlled by the pedal assist display on the handle bars. On the display you can turn the pedal assist on/ off and choose from 3 different speed options. To attach the sensor and magnet wheel start by separating the 2 halves of the magnet wheel.

Next you will need to attach the magnet wheel to the bottom bracket axel on the left hand side as shown above. Once clipped in, place the outer ring on the outside of the magnet wheel to secure.

To attach the sensor you will need to first line it up with the magnets on the wheel. Once you have found the appropriate position for the sensor, peal the adhesive plastic off the back and attach sensor to frame. It is best add some zip ties to fully secure the sensor.

Step 4

Final Touches

All components should now be fixed to the bicycle. The next step is to run all the loose cables logically along the frame fixing them with zip ties. It's best to run the motor, throttle and display cable along the top tube. The pedal assist sensor cable should be run down the seat tube. If there is any excess cable, we advise to tie it up and neatly place it in front of the control box (where wires protrude from battery box). It's not a good idea to shorten cable unless you have electric experience. Once the cables have been fixed to the frame your new electric bike should be ready to ride!

User Instructions

To unlock battery and remove from bike, rotate the key clockwise. The lock can be found on the left hand side of the battery rack. Once rotated, you can slide the battery out of the rear of the rack. Be sure to double check the battery is locked before riding to avoid an expensive mistake!

To charge the battery, remove the charger from it's packaging and plug the power cable into the wall and the charger. Take to phono connecter and plug it into the charging port found on the rear of the battery under the yellow flap.

To turn your electric system on, start by making sure the battery is switched on. This can be seen on the previous page. Once Battery is on press the On/Off button on the display. The Mode button changes the pedal assist level. The four red LED's lit up in the photo are the battery level indicators.

Charging Battery

The battery used in the Power-Ped e-Bike is a sophisticated Lithium 36 Volt 11.6Ah hi capacity battery that requires charging after each and every use.

Charging will take between 6-8 hours from a fully discharged state
Battery Charging Procedure—Important

1. Ensure you have the correct Approved Battery Charger charger.
2. SANS 2 Amp Charger Model SSLCO84V42 or HP Model 8204 3 amp Lithium Charger.
2. Ensure switch at the power point is OFF.
3. Plug in the charge connector from the battery charger into the charge power socket located on the rear of the battery. See Below
4. Turn ON the battery charger on at the wall switch.
5. The charger LED Light will be Red when Charging, Green when fully charged
6. Once charged (Green) the charging lead can be disconnected from the bicycle. Note:The charging lead can be left connected without harming the battery. This stage is referred to as TRICKLE charging.
7. It is recommended to turn off the switch at wall when charger is not in use to ensure you are not wasting electricity and to be ready for the next charge cycle.
8. Remember to charge after every use regardless of how long the bicycle was used for. This will assist a longer overall battery life.
9. Note if the vehicle is not being used for an extended period we recommend charging every 2 weeks.
10.The battery can be charged on or off the bicycle.

Warnings

Mount charger on a wall close to the bicycle. Have power points installed by a licensed Electrician.
Do not expose the battery or battery charger to moisture.
Do not leave charger on the ground where it can be damaged or misused.
Do not expose to excessive heat such as direct sunlight.
Do not cover charger. The battery charger needs to be well ventilated.
Do not drop the charger as it has highly sophisticated circuitry and will be damaged if dropped.
Do not move the bicycle with charger plug connected. This will damage the charger port and the charger socket.

LED light is Red when charging

LED light is Green when charge is complete

General Use Instructions and Warnings

The bicycle is designed to be used as a power assisted bicycle. Use of the bike in the correct way will provide an excellent riding experience. This means pedaling is required to ensure maximum economy and performance figures are achieved. Use an appropriate gear to the conditions and when starting off use a lower gear.
Use the pedals to assist the bike and ensure maximum range is achieved.
Specified distances and speed will only be achieved by pedal assisting the motor and power level selected.
Set the seat height so heel of foot touches the pedal with the leg straight. Consult your Dealer or Electric Vehicles Pty Ltd for advice on seat position.
Charging at both ends of a regular trip is a good idea, e.g. take charger with you or have a second charger at the other end of your trip.
The more you pedal the further you can travel per charge and better the bike performs.
These bicycles are designed for smooth surface riding only. Riding over gutters, footpath road crossings or rough terrain may result in damage or injury to the rider.
No jumping stunt work or additional weight loading than specified. (100kg for 26” and 700c wheeled bikes and 90kg folding bikes including Rider)
Water damage is not covered under warranty.

General Use Instructions and Warnings

1. Battery

- Never short circuit the discharge or charge terminals of the battery
- Never charge the battery by discharge terminals or discharge the battery by charge terminals.
- Keep the battery away from excessive heat and open flames. Never put the battery into water.
- To avoid damage to the battery, never subject it to intense physical shock or severe vibration or impact.
- Do not leave the battery in hot sun for an extended period
- Protect the battery from water or other moisture. Protect the discharge and charge terminals of the battery from rain or water logging
- Charge temperature range O~45 °C.
- Discharge temperature range --20~55 °C.
- Keep the battery away from children.
- When the battery is not in use for an extended period of time, remove the battery from the bike for storage.
- If you have any questions about this battery or its usage, please do not hesitate to e-mail us at evs.enquiries@evehicles.com.au
- Never disassemble the battery.

2. Charger

- Never put any material on the charger.
- Never put any liquid or metal into the charger.
- Never disassemble or refit the charger.
- Never plug or pull plugs of the charger with a wet hand.
- Do not touch the charger when thunder or lightning are present. Use only the approved charger supplied by our Company. Never use any other charger to charge the battery.
- Avoid using the charger in direct sunlight.
- Keep charger well ventilated when the charger is operating

Daily Checks before riding your electric bike

- Check brakes for alignment of front pads and wear. Check mechanism on handle bar
- Check brake cable tension.
- Check tyre pressure
- Check chain tension
- Check tightness of front handlebar stem.
- Check tightness of wheel nuts
- Check all joins in handle bar and frame
- Check battery status via charge light on charger and on bike Check pedal tightness on crank

Warranty Card

Model Purchased:_____Product Serial/Frame #:_____

Date of Purchase:_____Dealer Name:_____

Customer Name:_____

Address:_____City:_____State:_____PostCode:____

e-Mail:_____Phone:_____

Optional Questionnaire. Please assist us in answering some simple questions below. This information assists us in developing quality, innovative new products. We thank you for your co-operation. Please tick one or more options

1. Age profile: 15-25, 26-35, 36-45, 46-55, 56-65, 66-70, 71+

2. Is this your first electric bicycle purchase? Y__N__

3. How do you intend using the Power-Ped e-Bike? Commuting to work__Recreational Riding__ Shopping__Exercise__Alternative to a car__ Alternative to Public Transport__Mobility__Injury recovery__Other_____

4. If commuting, how long is the return trip?_____km's

5. How often do you see anticipate using your Power-Ped? Daily__Weekly__ Occasionally __

6. How did you find out about Power Ped Products? Web Search__Referral__E-bike sighted in Street__Newspaper or Magazine Advertising.

Dealer Display__Advertising__Other_____

7. Did you test ride a Power-Ped e-Bike before buying? Y__N__

8. Did you consider or try other brands of e-Bikes? If so what Brands_____

9. What are the key features you like about your New Power Ped E-Bike? Lightweight Battery__Power__Range per charge__ Styling__Ease of mounting bicycle__Comfort__Price__Quality__Service Support__Other_____

10. Would you recommend a Power Ped to your friends? Y__N__

11. Would you Like to receive our monthly Power-Ped newsletter via e-Mail? Y__N__

12. Would you like to visit our Facebook page? Y__N__

13. Would you be interested in joining our referral programme where you could receive loyalty rewards? Y__N__

Please fill out the Warranty Card details and post or e--Mail a copy to Electric Vehicles P/L
Factory 12, 17--23 Keppel Drive, Hallam, Vic 3803 Ph: 03 9796 5525
e--Mail: evs.enquiries@evehicles.com.au

LIMITED WARRANTY

This warranty is provided by Electric Vehicles P/L, (distributor of Power-Ped e-Bikes), Factory 12 17-23 Keppel Drive, Hallam, Vic 3803. You can reach us at evs.enquiries@evehicles.com.au or on (03 9796 5525).
This warranty applies to all Power-Ped e-Bikes and conversion kits sold by Power-Ped authorized retailers in Australia on or after 1 August 2012.

OUR WARRANTY TO YOU

All Power-Ped e-Bikes and conversion kits are sold exclusively through our network of authorized retailers who we entrust with professional assembly and service of your e-Bike or conversion kit. Electric Vehicles P/L provides each original retail purchaser of a Power-Ped e-Bike/conversion kit a warranty against defects in materials and workmanship, starting on the date of purchase and continuing for the period stated below:

5 years

- Frame

2 years

- motor, controller,,
- All original forks, parts and components (except consumables such as tires and tubes) included or installed on your Power-Ped e-Bike at the time of purchase

1 year

- Paint and decals, charger, battery pack(or 600 charges, whichever comes first), wheelsets Any products not specifically included above are not covered by this warranty.

EXCLUSIONS AND LIMITATIONS

This warranty does not cover:

- Normal wear and tear
- Improper assembly
- Improper follow-up maintenance
- Installation of components, parts, or accessories not originally intended for or compatible with the bicycle as sold
- Damage or failure due to accident, misuse, abuse, or neglect
- Labor charges for part replacement or changeover, except as required by law

This warranty is void in its entirety by any modification of the frame, fork, or components. Repair or replacement (at Electric Vehicles P/ L's option) is the sole remedy provided under this warranty where a valid warranty claim is made. Electric Vehicles P/L will endeavor to replace your frame, fork or component with the same or functionally equivalent part, subject to availability and in Electric Vehicles P/L sole discretion. This warranty is offered only to the original owner, and is not transferable. This warranty applies only to Power-Ped e- Bikes or conversion kits purchased through an authorized retailer. This warranty does not cover third party bicycles, parts or components, which are covered by the stated warranty of the original manufacturer, if any.

HOW TO MAKE A CLAIM UNDER THIS WARRANTY

Any claim against this warranty must be made through an authorized retailer. Your closest authorized retailer may be found on www.powerped.com.au or by contacting Electric Vehicles P/L directly using the information provided above. Proof of purchase is required. A bicycle must be registered with Electric Vehicles P/L via submission of the Warranty Card provided with you e-Bike or conversion kit before a warranty claim may be processed. All costs and expenses associated with claiming under this warranty will be borne by the consumer. Claims made outside the country of purchase may be subject to fees and additional restrictions.

YOUR CONSUMER RIGHTS

The benefits given to you under this warranty are in addition to, and do not detract from, other rights and remedies that you may have in respect of your Power-Ped e-Bike or conversion kit under Australian laws, including the Australian Consumer Law.
Power-Ped e-Bikes and conversion kits come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.