

Safety Considerations:

Never short out the battery or charger leads or terminals.

Obey all regional traffic laws that apply.

Wear a helmet at all times when riding any moving vehicle.

When charging batteries keep away from all flames.

If batteries begin to leak replace immediately.

Do not allow battery acid to contact the skin, if contact is made flush with soap and water.

Do not overload the motor and controller, do not activate the throttle when stopping.

Install a horn or other signaling device and use it when approaching pedestrians or other bicyclists.

Disconnect batteries before performing any maintenance or assembly work.

Dispose of batteries in accordance to local laws



Golden Motor E-Bike Conversion Instructions

For Canada
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Before you Begin

Golden Motor would like to thank you for purchasing our e-bike conversion kit. Whether your decision to purchase this e-bike kit was for fun or for environmental reasons, or both, you will not be disappointed with the kits performance or durability. At the heart of the Golden Motor electric bike conversion kit is a 36 volt DC permanent magnet brush less electric hub motor and its electric pulse width modulation (PWM) controller. The motor works without chains, belts, gears or brushes to maintain or replace, in fact the motor is completely maintenance free! In addition to being maintenance free a brush less motor is one of the most energy efficient motors in use today. For your brush less motor to work properly it must be connected to a special controller. The controller in your kit is the small box with all the wires coming out of it, this is the brain of your Golden Motor conversion kit. It senses the position of the hand throttle, receives signals from the motor and determines the power pulses to send to the motor to make it turn. The Golden Motor controller allows you to

control your speed (via the hand throttle) and gives smooth acceleration without pulsing or jitter and it is completely silent as is the motor. The motor is in fact so quiet we highly suggest installing a bell or horn to warn other bicyclists before you fly past them at high velocity! Before starting the installation procedure please read this manual in its entirety and follow all suggested safety precautions.



All Shipments are send out next day via
DHL Express LTD. (Canada)

If you wish you may track shipments
using the tracking number provided at
www.dhl.ca

Installation Instructions!

Before starting confirm all parts are present.

Battery pack and controller

b. Hub motor

c. Throttle grip

d. On/Off key switch

e. Cut off brakes

f. Battery rack

g. Battery meter

1. Flip bicycle over with the handle bars on the ground and remove the front tire by loosening the axle nuts. If the bike has front brakes you must loosen the tension on the front brake pad levers so there will be clearance for the tire to be removed.

2. Install the hub motor rim assembly onto the forks (some filing may be required) with the wires coming out the left side and extending upward (toward the ground when the bike is flipped upright) of the forks. Check the clearance between the hub motor and the forks, it may be necessary to add a washer in between the forks and the motor to spread out the forks a little. Make certain that the flats on the hub motor axle are securely against and flats on the forks and that the axle is fully pushed in before tightening the axle nuts (the axle must not be able to turn in the fork seats). Route the wires to the back of the forks making a small loop where the wires come out of the axle and tie wrap them to the back of the forks.

3. Flip the bike over and finish routing the wires up the front forks. If your bike has front shock absorbers leave a little slack in the wire in between the telescoping section of the shocks. Hold off on tie wrapping the wires to the frame until you install the rest of the wires on the handlebars.

4. Install the battery rack on the rear of the bike. Install the two screws at the bottom of the rack upright supports to the frame. Attach the hardware to the front of the rack and attach the final brackets to either the seat post clamp or if available to the mounting brackets on the frame in back of the seat post. Adjust the hardware so the rack is as close to parallel with the ground as possible.

5. Installing the cutoff brake levers. Remove the right and left handlebar grips, gear shifters and brake levers (loosen the small metric socket cap screw on the shifter body). Install the new brake levers with the cutoff wires and slide towards the center. Re-install the gear shifters. Note. If you have one gear shifter on the right side only and you are using the grip type throttle reinstall the gear shifter on the left side (read below) Do not tighten the brake handles or shifters yet.

6. Throttle speed control installation. The motorcycle type throttle can be used on all bikes except bikes with twist type gear shifters on both sides. With a twist type gear shifter on the right side only you will have to remove the left handlebar grip and move the gear shifter to the left side.

This may seem a little odd at first but after a few rides it will seem normal. Now install the throttle grip speed controller on the right side and lock down the set screw. On all other installations just remove the right grip and install the throttle.

7. Install the power key switch on the handlebars in a convenient location.

8. Next route the throttle, brake cutoff, power switch and hub wires to the back.

9. Battery pack installation. The battery bag and batteries are held in place by three worm drive type clamps. Loosen the worm drive clamps on the bottom of the battery bag until the clamps become undone. Place the battery bag which has the batteries and controller inside on the rack with the wires that come out of the bag facing the front of the bike, route the clamping straps under the rack as you lower the battery bag onto the rack. Re-engage the ends of the worm drive clamps and tighten until all three of the straps feel tight.

10. Finishing up. Slide together all the connectors coming from the controller and batteries and those coming from the hub motor, cutoff brakes, power switch and throttle. Be careful to properly match the male and female connector as you go along. Tie wrap all extra lengths of loose wires into a bundle and tie wrap together. If needed tie wrap the bundle to the rack or frame as necessary.



Smart Bike Canada Information:

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We are located on Vancouver Island
just north of the capital city of
British Columbia