

TRAILMATE eTRIKE CONVERSION KIT ASSEMBLY MANUAL

The Trailmate eTrike conversion kit was designed for easy installation and assembly.



1. Assembly

Remove all parts from the box and carefully unwrap.

Tool required: 8" crescent wrench, 1/2" and 9/16" socket wrench, Allen wrenches, pliers, Phillips screwdriver, air pump.

2. Fork Assembly



Loosen the head set and brake caliper shoes to remove the front fork from the frame.

Release air from the tire if necessary. Mount new fork to wheel with wire coming out on the left.

Be sure to seat wheel retainers into the slot on the fork. Install washers and tighten nuts. Check that the wheel is centered between the forks.

Mount fork to frame and Tighten headset.

3. Wheels and Front Fender

Attach the front fender to the front fork with the bracket on the back of the fork and the brace attached to the fork at the threaded hole. It may be necessary to loosen the brake shoes and then align them to the rim for proper contact.

4. Throttle Grip and Brake

Remove brake cable from front brake lever. Remove right grip and front brake. Use screwdriver to pry off. Mount throttle to right side and safety brake lever to left side.



Attach brake cable to safety brake lever. Adjust both to comfortable position and tighten Allen screws. Slide on matching grip on left side handlebar.

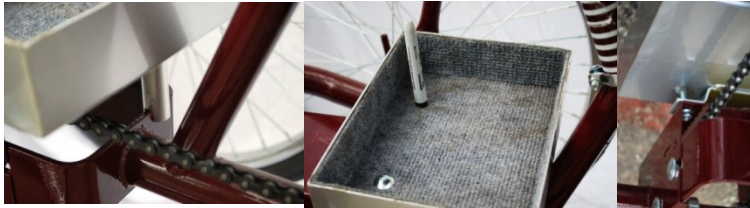
5. Controller



Secure controller to the frame below the seat stem using the clamp. The wires should be coming down and run along the frame to the connector for the hub motor.

6. Battery Rack

The battery rack is secured to the transmission case with two bolts and nuts and is braced on the frame for added strength.



Remove fasteners from rack and align the slotted brace with the front arm of the transmission case. Mark the hole locations through the holes using a marker and drill through using 1/4" bit. Mount and secure the rack to the frame and tighten.

7. Wiring Harness to Frame

Run wires along frame and secure with wire ties. There are tabs along the front fork to secure the wire there.



The motor connector is securely plugged into the controller connector and wire tied to the fork.

Ensure there is some slack to allow for steering.

8. Battery installation and Connection

The sealed battery case is easily installed on the rack and the controller connector plugged into the battery connector.



The battery can be easily disconnected and removed for storing and charged using the automatic charger. Battery should be fully charged overnight before use.

MAINTENANCE AND INSPECTION

REGULAR MAINTENANCE: Bi-Monthly

1. Keep all painted parts cleaned and waxed for a long-lasting luster.
2. Spray all chrome parts with recommended protective spray coating (LPS-1, WD-40, etc.).
When spraying with protective coatings, it is recommended that you let parts set overnight so the coating will penetrate.
3. Lubricate the following:
 - a. Pivot points at top and bottom of seat
 - b. Axle shafts
 - c. Inside bearings of both pedals
 - d. Chain – turn pedal crank forward and spray freely
4. When storing over prolonged periods, turn upside down to prevent flat spots from occurring on the tires. If stored outside, cover to protect finish and moving parts.

PREVENTATIVE MAINTENANCE: Every Six Months

These are services that should be performed by your local bicycle shop. A fee may be charged.

1. Check tires for wear, rim cuts, and valve core alignment (usually caused by improper air pressure).
2. Check wheels for cracks and alignment.
3. Check brakes for proper operation.
4. Clean and repack all bearings and adjust all cones.
5. Check for worn bearings, cones, and cups.
6. Check chain for adjustment and clean as needed.
7. Check for loose bolts and nuts.

INSPECTION

Check the following, as it applies to your cycle, on a regular basis:

1. Wire harness – Make sure the connectors are firmly plugged in and secured to the frame.
2. Wheels – Check wheels for alignment.
3. Pedals – Inspect pedal bearings and make sure pedal is tightly attached to crank.
4. Handle grips – Replace worn or loose grips.
5. Chain – Check for proper tightness. Replace damaged chain immediately.
6. Seat – Adjust seat for rider comfort and safety.
7. Tires – Keep tires inflated to the recommended tire pressure, as indicated on the tire's sidewall.
8. Chainguard – Replace damaged or missing chainguard immediately.
9. Frame – Replace damaged frame immediately.

Trailmate Owner's Guide

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Visit us @ www.trailmate.com

**For service or to order
replacement parts please contact your
local Trailmate dealer.**

This is a recreational unit, not designed for excessive speeds or misuse.

Do not brake or turn at high speeds. This may cause cycle to roll over. Careless operation may cause rider to lose control and result in **serious injury**.

Things to know before riding your cycle:

1. Know your local bicycle laws and wear a helmet.
2. Do not exceed the recommended weight limit of 250 lbs.
3. No more than one rider at one time.
4. Do not stand on unit.
5. Be sure to install safety flags.
6. Wear light-colored clothing and protective gear.
7. Do not ride at night.
8. Children must be supervised by an adult at all times.