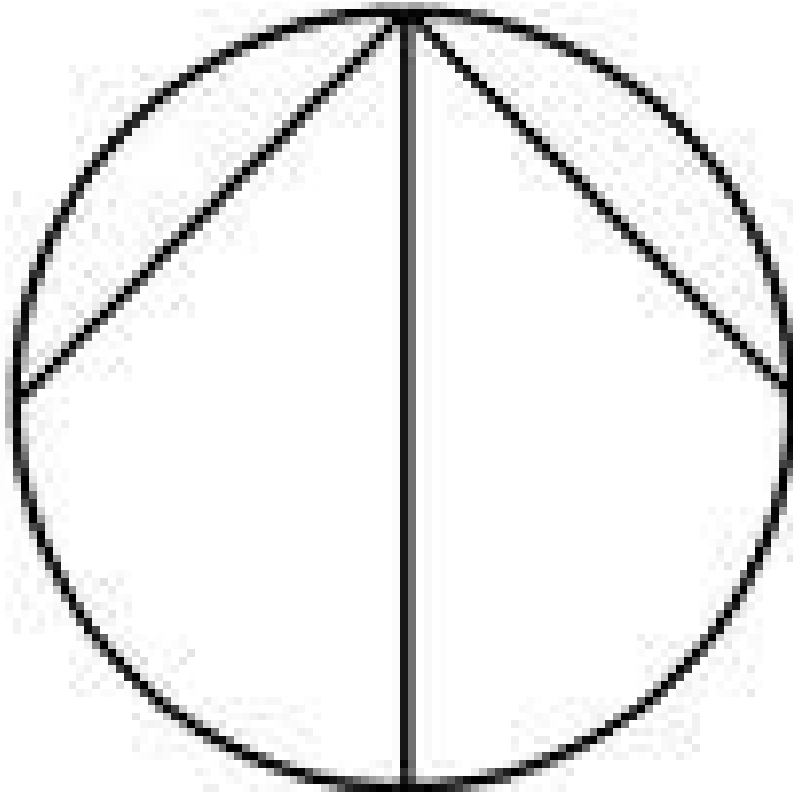


2025 MTS - Multiform Transport System Instructions



Construction

Required Materials

To make the 2025 Multiform Transport System, you need the required materials.

Bike;

[Fiido L3 Electric Bike](#)

Tactical Flashlight



Heavy Duty Zip Ties 12"x0.19" (+-0.01") (x9)

Duct Tape

Electrical Tape

Rectangular Label

Bike Alarm

Small Bike Pump with mount

Slime Tire Liners

Surge Protector Strip

Plug-to-USB Brick

6 foot / 2 meter USB-to-USB C cable

Project 529 Shield

(Optional) Bike Speaker (make sure it's the square-ish one) (see photos)

Charging

To charge the bike and all the accessories, you will need a surge protector strip, a plug-to-USB brick, and 6 foot / 2 meter USB-to-USB C cord. You can get a glowing cable from AliExpress.

Plug the brick and Bike charger cable into the strip, and plug in the strip. Don't leave anything charging for more than two days. You can also use this setup to charge other devices.

3D Printing

Print the files named "2025 MTS Headlight Mount" with 100% infill density. Print the file named "2025 MTS Cupholder" with 100% infill density.

Headlight

Wrap 1 layer of duct tape around the handlebar, around the smaller diameter section. Then apply layers of electrical tape on the inside of the loop, until the flashlight can snugly fit inside without vibrations and jolts affecting it. Make sure the button is pointed to the right. Lastly, ziptie the Mount to the handlebars. Point it down, where the cone of light just touches the front tire.



Cupholder

Surround the stem with 1-layer of duct tape for grip at the very top. Use the zip ties to mount the Cupholder to the handlebar stem, with the GreerTech logo facing upward.



Tire Pump

Take the tire pump, and mount it to the water bottle holder screw holes, with the pump on the left (from the POV of you riding).



Alarm

Mount the alarm on the backside of the battery rail. Always use it when you leave the bike for more than 1 minute. However, be aware that it may go off if it's connected to a bike rack.

Tire Liners

Put the tire liners on the inside of the tires as directed on the packaging. You can go to a bike repair shop to do so.

Battery Label

Place a label on the side of the battery, with "Key Ignition Required" written on the side. This dissuades bike thieves.

Project 529 Label

Get a Project 529 label. Add the label to the main body, on the top (see tire pump picture). Make sure to be careful applying it.

(Optional) Bluetooth Speaker

Take the speaker, and wrap it around the handlebars, next to the clamp.



Security

To prevent vehicle theft, you will need at least two locks. I recommend a heavy chain lock, I use the SeatyLock Viking. You will also need a U-Lock with grinder resistance. I use a Litelok X1. Put both the locks near the back.



- Always use the alarm when leaving the bike unattended
- Take out the key when leaving the bike unattended
- Make sure the bike lock is wrapped around the frame
- Try to store the bike indoors
- Lock up the bike and take out the key even when storing it inside. If you can, also activate the alarm
- Always park in a well lit, visible area
- Always be aware of your surroundings when unlocking/locking
- Lock the bike to a sturdy, solid object, like a bike rack. Make sure any poles are securely planted in the ground
- If you have an Apple device, get a bike tracker
- If you want, put stickers to make your vehicle unique

Usage

Local Travel

Travel to your destination and once you get there, lock it up or carry it inside if you can. If you can charge it at your destination, you can bring the charger and extend your range. Pedaling can also increase your range slightly. Range is about 50 miles total trip distance (throttle only).

Using Public Transport

Travel to a transport stop, get off the bike, and carry it on the vehicle. The aforementioned technique to charge it at your destination also applies here.

Cargo Capacity

To carry cargo, you can wear a backpack, use a satchel, or use a bag hanging on the handle bars.

Car Transport

You can fold up the vehicle and put it in a car.

Car Rescue

If you need assistance, you can call on a trusted friend/family member to carry you and your bike. If you have no trusted friends and family members, you can call an Uber/Lyft/Other ridesharing service.

Safety

- ALWAYS WEAR A HELMET
- Carry a charged cell phone with you
- (optional) Tell people where you're going
- Do not overload the bike (Approximately 270 lb max weight total)
- Follow all applicable laws
- Yield to cars
- Don't assume other drivers know what they're doing
- Always look when crossing
- Do not wear headphones or earbuds
- Make sure kickstand is up when riding
- Watch for rough roads and debris on the road
- Ride more carefully when the roads are wet
- Turn on all lights when riding in the dark
- Try not to brake hard frequently
- Do not put off repairs
- If you are going uphill, reduce strain by pedaling

LEGAL DISCLAIMER

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ANY INJURY, PSYCHOLOGICAL
DAMAGE, AND/OR DEATH
CAUSED BY THE
CONSTRUCTION AND/OR
USAGE OF THE DEVICE
DESCRIBED IN THIS MANUAL.

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