

TRQ Assembly Instructions:

View TRQ assembly on YouTube here or scan QR code with these instructions:
<http://www.youtube.com/watch?v=h1meOJXbm1M>



Tools Required:

- 7/16" wrench
- 1/2" wrench
- 9/16" wrench
- 9/16" socket & ratchet
- Rubber Mallet (optional)

Included Parts List:

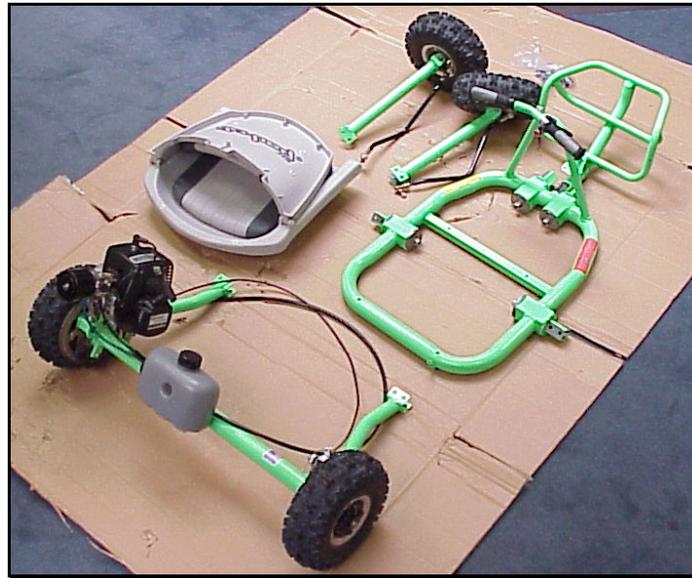
- (1) Frame Assembly
- (1) Rear Swing Arm Assembly
- (1) Front Right Swing Arm Assembly
- (1) Front Left Swing Arm Assembly
- (1) Seat
- (1) Safety Flag
- (8) Hex Bolts – 3/8" fine thread x 2" long (*connection of swing arms to frame*)
- (8) Washers – 3/8" (*gold color*)
- (8) Hex Nuts – 3/8" fine thread
- (2) Washers – 5/16" (*silver color*)
- (2) Hex Nuts – 5/16" fine thread (*for rod ends*)
- (1) Zip Tie

Safety Warning:

Assembly of the TRQ requires good mechanic's skills, and a good knowledge of tools. Failure to properly assemble the TRQ could result in injury or death! If you are not sure that you have the required skills, have your TRQ assembled by an approved Goped Dealer!

Instructions:

Carefully open box and unpack. Check parts list to insure nothing is missing. The unfolded box will make a good place to assemble the TRQ.



First connect the frame to the rear swing arm.

The frame will slide into the brackets of the rear swing arm. You will need to align the four holes, and install the bolts. A rubber mallet may help you to align the parts, but be careful not to damage your paint.

Connect the swing arm using four of the 3/8" hex bolts. Place a washer under the head of each bolt, and use a hex nut on the bottom. You will need to use both the 9/16" ratchet, and the 9/16" wrench. You should make the nuts very tight. After using the TRQ, you will want to recheck the nuts for tightness.

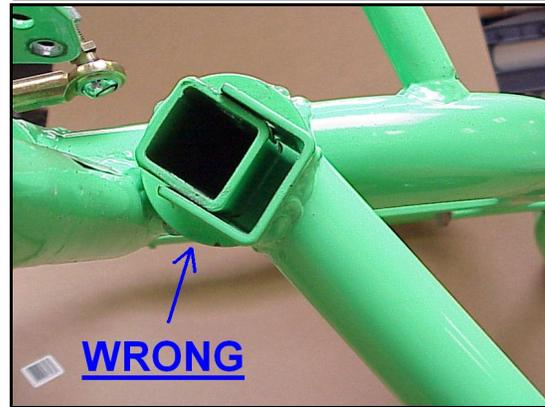
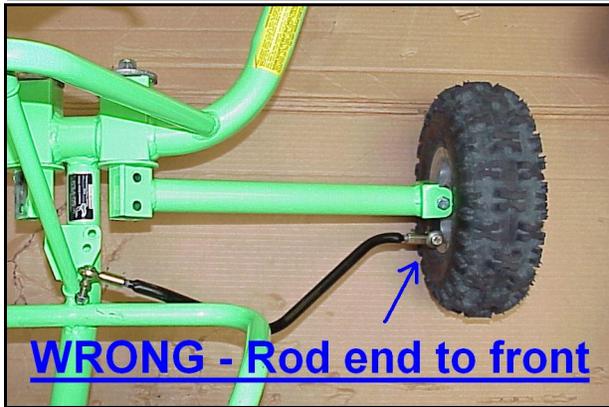
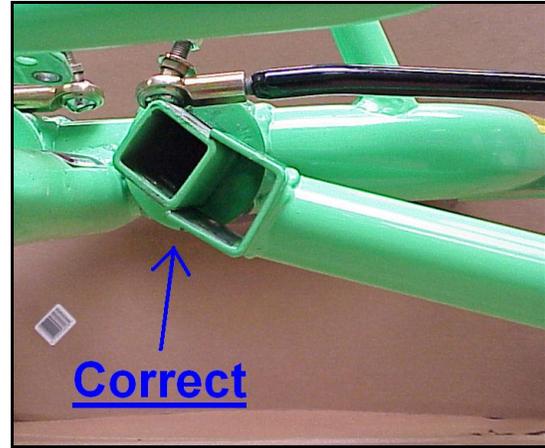
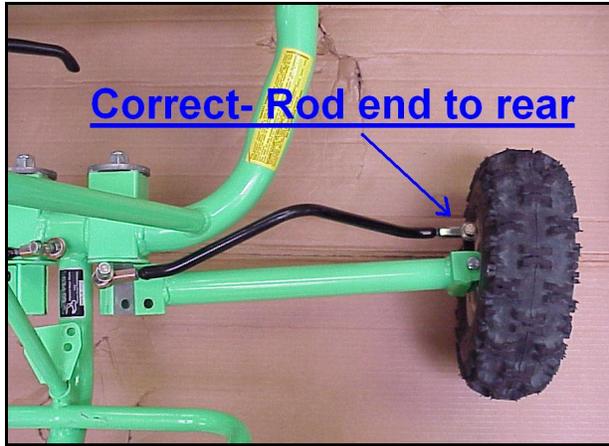


Next you will install the front swing arms.

You must be careful during this step, because it is possible to install the swing arms upside down or backwards. Look at the photos to avoid making any mistakes.

During installation, also make sure that the black tie rods are on top of the green swing arms. If they are not, you will have trouble connecting the tie rods in the next step.

The front swing arms are attached with the same hardware you used on the rear. Use two 3/8" hex bolts, two washers, and two nuts to attach each swing arm. The washers go under the hex heads. Make sure the nuts are very tight, and recheck them after using the TRQ.



Now you will connect the black tie rods to the steering plate.

-The rod ends install from below the steering plate, as shown. They install in the REAR holes, not the front ones.

-You will need to use a 1/2" wrench on the 5/16" nuts, and use a 7/16" wrench to prevent the rod end balls from rotating. Use a 5/16" washer below each nut, as shown.

Once the tie rods are attached, check the steering to make sure that the tie rods don't hit anything.

-Steer the handlebar left and right, and make sure everything is working properly. The steering should not bind, and the tie rods shouldn't strike anything.

If necessary, you can easily adjust the position of the tie rods.

-Loosen the lock nuts which are at the base of both the inboard and outboard rod ends. Rotate the tie rod to a better position, and retighten the lock nuts against the rod ends.

Also check the alignment of the front wheels.

-Make sure they don't have toe-in or toe-out.

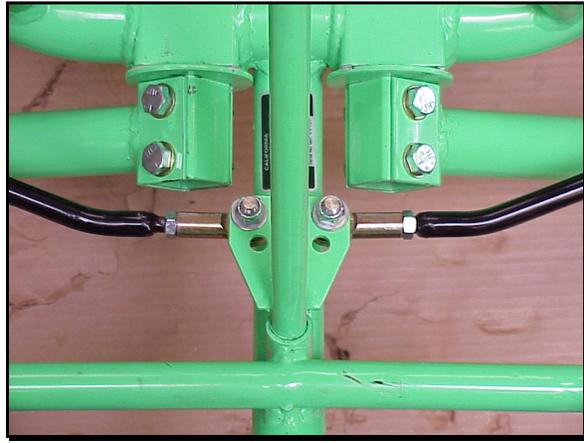
-Make sure that they are aimed straight forward when the handlebar is pointed straight.

If necessary you can fix either of these problems by shortening or lengthening the tie rods.

-First disconnect either the inboard rod end from the steering plate.

-Now loosen one or both of the lock nuts, at the base of the rod ends.

-Twist the tie rod, so that it either screws into or out of the rod ends, as necessary. For safety, make sure you have more than 5/16" of thread screwed into end rod end! Reconnect the tie rod to the TRQ, and check the alignment again. Once you have the alignment correct, be sure to retighten the lock nuts!



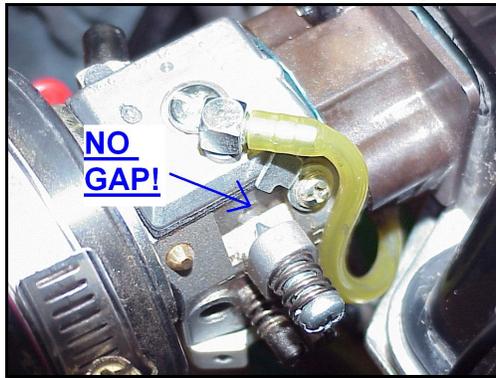
Next, connect the throttle and brake cables.

- The throttle lever is on the right side of the handlebar, and contains the red kill switch. Hook up the cable first, and then connect the electrical wire to the kill switch.
- The brake lever is on the left side of the handlebar. The cable end should be installed into the hole which is farther from the lever pivot. Look at the photo to be sure you are using the correct position.
- Route the cables as shown, and use a zip tie to secure them to the frame. Make sure the cables will not get pinched or cut when the suspension moves. Make sure the cables do not hang down where they could get caught on something while in motion.



Install the seat.

- The seat is held in place with the four lag bolts.
- The longer two bolts are used in the rear. Place a washer below the hex head, and use the spacers between the frame and the seat, as shown in the photo.
- The shorter two bolts are used in front. Place a washer below the hex head. No spacers are used in the front.
- Install the lag bolts firmly, but do not over tighten them, or you could strip out the plastic!



Install the air filter onto the carburetor.

- The filter is secured in place by tightening the hose clamp. Make sure that the filter is firmly attached, and will not fall off during riding.

Install the spark plug.

- Tighten spark plug to 90-100 in-lbs. Install plug cap onto spark plug.

Last, install the safety flag by sliding the flag pole into the tube behind the seat.

The assembly is now complete, but you need to do a few more things before you can ride!

Check to make sure that the throttle cable is working properly:

- Look at the carburetor. Make sure that when the throttle is OFF, there is NO GAP between the arm and the idle screw. The photo shows an UNSAFE situation. When the throttle is not pulled, the arm MUST touch the idle screw! If it does not, the TRQ will idle too fast, and could run away from you! If you find a problem, try the following:
 - Make sure the cable doesn't have any tight bends.
 - Make sure the cable isn't pinched.
 - Make sure the cable is properly inserted into the finger throttle (at handlebar) and barrel nut (at carburetor.)
 - Stretch the cable.
 - Loosen the carb, twist it counter clock wise, and retighten it.
- Make sure the throttle moves smoothly, and that the carburetor arm always returns firmly to the idle screw.

Check to make sure the brakes work properly.

- Hold the brake lever on fully. Make sure the lever does not move all the way to the rubber grip.
- With the brakes on, try to push the TRQ and make sure that the axle will not turn.
- If necessary, the brakes may be adjusted. The brake calipers have several adjustments which are explained fully on goped.com. If the brake are not engaging strongly enough, the brake pads may be pushed tighter together with these two adjustments:
 - The black plastic knob on the back of the caliper pushes in one brake pad.
 - Directly opposite the knob, a small 3mm allen wrench can be used to push in the other brake pad.

DO NOT ride the TRQ if the brakes are not operating properly. It should be possible to lock the brakes if the brake lever is pulled hard. Riding the TRQ with faulty brakes could result in injury or death to you or those around you!

When starting the TRQ for the first time:

- Do NOT aim the TRQ into a street or other unsafe area. Make sure that if the TRQ runs away, it will not endanger you, or anyone else!
- Put an adult in the seat, and have them hold the brake on firmly. Make sure they know where the kill switch is. Make sure that the know that the kill switch must be held down continuously to shut down the engine.
- Fill up the gas tank with pre-mixed gas and oil. Proper gas/oil ratio is 25:1 with a high quality two stroke oil.
- Prime the fuel, choke the carb, and pull the starter GENTLY. This motor uses an "easy pull starter" which should NOT be pulled hard. If you pull too hard, you may break the recoil starter!
- The motor will start, and then die. Turn the choke off, and start the motor.
- With the motor running, check the kill switch. Hold down the kill switch and make sure the engine stops. Do NOT ride the TRQ if the kill switch is not operating properly.
- If the kill switch does not work properly, you can turn off the motor by turning the choke lever ON, or pulling off the spark plug boot.
- If the kill switch doesn't work properly, look for a loose connection in the electrical wire.

Riding the TRQ with a faulty kill switch could result in injury or death to you or those around you!

Maintenance

The TRQ will require some regular maintenance:

Tires:

- Make sure the tires are properly inflated to 35psi
- Check the tires for wear, tears, or damage. Replace tires as necessary.

Chain:

- The chain is a NON o-ring design. It will require very frequent lubrication. The chain should be cleaned and lubricated after every ride to insure good life.
- Check the chain for tight spots, bends, and damage. Replace as necessary.

Sprockets:

- The sprockets will wear, and will eventually need to be replaced. To insure good sprocket life, clean and lubricate your chain after every ride.
- Examine your sprockets regularly for signs of damage, or excessive wear. When the teeth become worn, the chain can easily fall off, causing damage.

PMW recommends replacing both sprockets and the chain at the same time.

Swing arm hardware:

- The front & rear swing arms are held to the frame with 3/8" hex bolts and metal locknuts. Check these nuts and bolts frequently for tightness. If this hardware becomes loose, you could lose control and be injured or killed!

Other hardware:

- Every few rides you should check all the nuts and bolt for tightness. A loose nut or bolt could result in lose of control, injury, or even death.

Air Filter:

- The air filter is a fabric type and reusable. It must be cleaned and re-oiled periodically. The frequency of cleaning will vary depending on the conditions you encounter. Dusty conditions may require the filter to be cleaned after every ride. Failure to properly maintain your air filter could result in serious damage to the engine!
- Clean your filter with a "Fabric Air Filter Cleaner" according to the instructions provided with the cleaner.
- Oil your filter with a "Fabric Air Filter Oil" according to the instructions provided with the oil.
- These products may be available at your local GoPed, Dirt Bike, ATV, or Auto Parts store.