

## Grazhopper Version 8 Supplemental Assembly Instructions

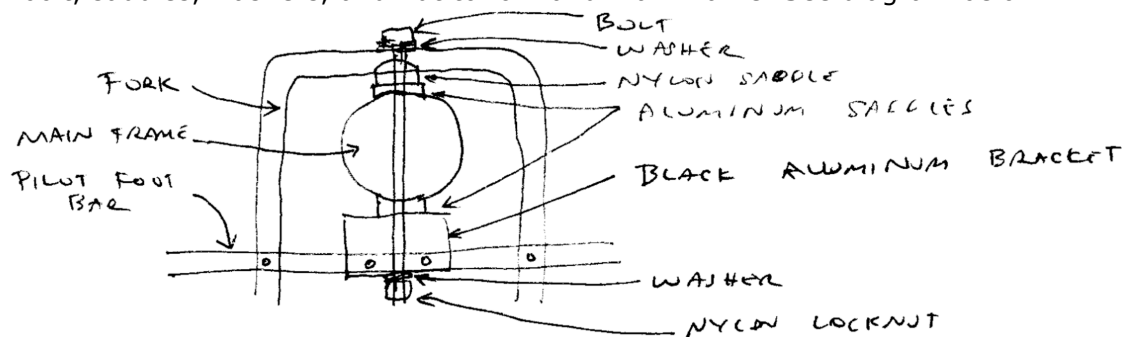
Here are some supplemental assembly instructions to help you put together your new your GRAZhopper Version 8 from this shipment.

### 1. Tools Needed

- 2 x 7/16" wrenches (supplied)
- 2 x 1/2" wrenches (supplied)
- 1 x 3/16" allen wrench (supplied)
- 1 x rubber mallet
- 1 x small flathead screwdriver

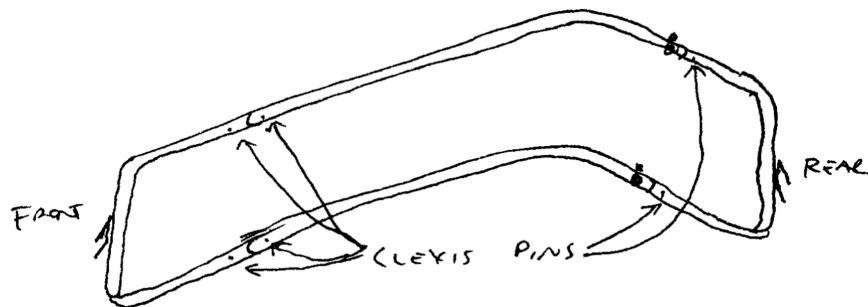
### 2. Fork Attachment

Attach bolt, saddles, washers, and nut to fork and main frame. See diagram below.

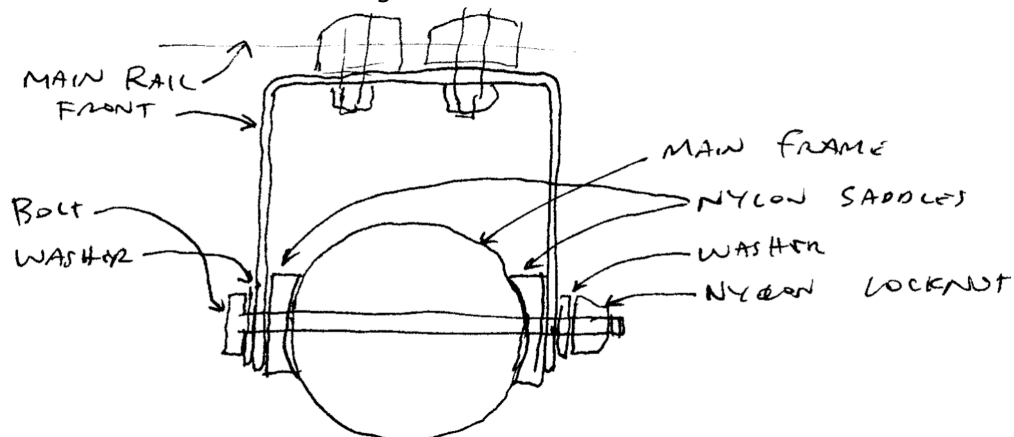


### 3. Main Rail Assembly

Attach four rail pieces using supplied clevis pins with the key ring facing inwards. Use rubber mallet to gently align pieces together. Use a small flat head screwdriver to help put rings onto clevis pins. See diagram below.

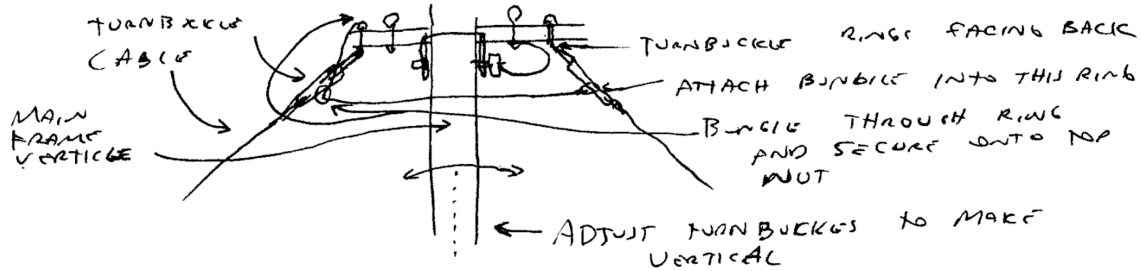


Once main rail is assembled, used supplied hardware to attach to the hole in the front of the 2" main frame. See diagram below.



#### 4. Turnbuckle & Bungie Cord Assembly

Viewing from the back side, install turnbuckles with the rings facing back. Align the vertical bar using the two turnbuckles to be as vertical as possible. Install bungie cord on right side turnbuckle ring. See diagram below.

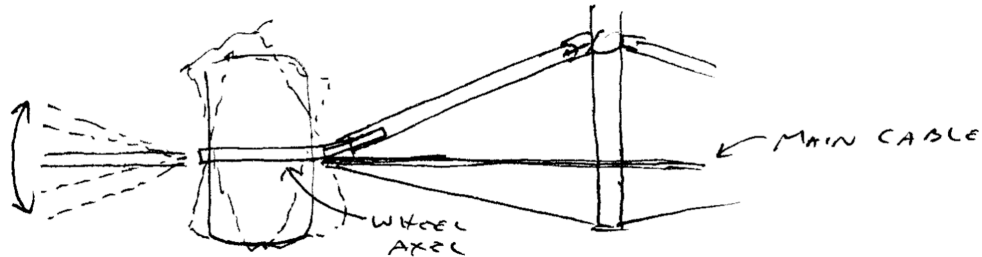


#### 5. Install Wheels

Use supplied clevis pins and key rings to secure wheels onto axel fittings. On front wheel use 7/16" wrenches to tighten bolts and nuts on axel fittings.

#### 6. Align Rear Wheels

It is critical to properly align the rear wheels. This can be easily done in the field. Make sure all the cables are tight. Standing at the rear of the trike, look straight down directly above the main cable (see diagram below). The wheel axel should be parallel to the main cable. If not, loosen the nut and bolt holding the cables to set the axel adjustments. Once this nut and bolt is loose, rotate the wheel axel so that it is parallel with the main cable, and retighten the nut and bolt to 100 inch pounds. Recheck that the wheel axel is parallel to the main cable and repeat alignment procedure until wheels are aligned. See diagram below.



7. Check all nuts and bolts are tight.

8. Follow the instructions in the Grazhopper Manual for further information of adjustments, safety, storage, and use.