

Comfort Tri-Rider Assembly Guide

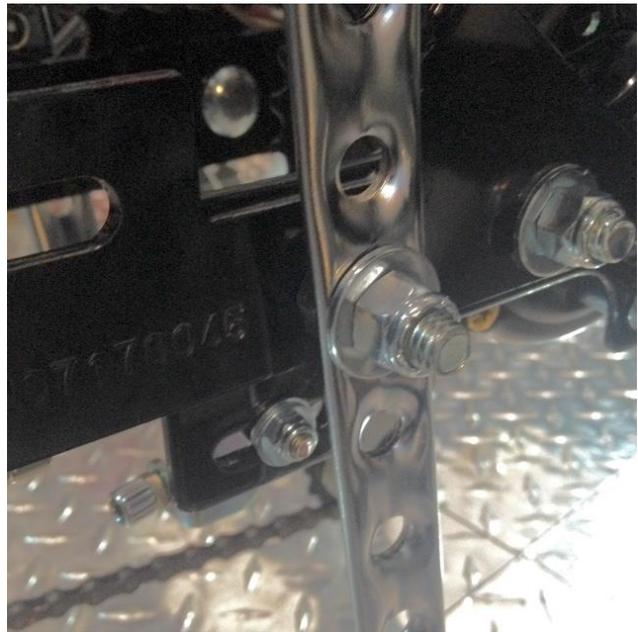
1. Carefully remove all the components and packaged hardware from the shipping boxes.
2. Remove all protective materials from the fork, front frame and rear frame sections.
3. Read this assembly manual BEFORE commencing assembly.
4. Open the plastic bag containing the fastening hardware. Group all similar nuts and bolts.
5. Prop the front frame assembly vertically and align the rear frame section perpendicular to it. Slide the rear assembly forward on the inside of the matching frame tubes on the front section and make sure that the square section of the bolts already in place align with the slots on the rear frame section.
6. Find two round headed stove bolts and the corresponding washers and nuts. Place these two bolts on the most forward holes on the front frame with the heads on the inside.
7. Tighten all four bolts that hold the two frame sections together making sure that the rear is perpendicular to the front.
8. Install the drive side rear wheel (right hand side RHS). This axle nut should be fully tightened (40Nm). The right wheel turns with the axle so the bearings on the right side only act as spacers. Therefore if the bearings in the left hand side (LHS) wheel get damaged from over tightening just put the left wheel on the right side and the right wheel on the left side.
9. Install the non-drive side wheel (left hand side LHS). **DO NOT OVERTIGHTEN!!** Be sure that the left axle nut is loose enough that the inside spacer inside is just barely free to spin by hand. Overtightening will side load the bearings and cause premature wear and bearing failure. A clicking noise from the left wheel bearing is a symptom of overtightening.
10. Install the front wheel making sure that the tabs on the washers fit into the holes on the fork and that the rim is centered in the fork arch before tightening the axle nuts.
11. Install the front fender on fork using the long bolt and nut assembly supplied in the hardware package and the pre-installed fender stay mounting screws.
12. Install the steering stem, handlebar, brake levers and twist shifter on the handlebar. Slide the grips on using a little rubbing alcohol as lubricant. It will evaporate quickly and not cause any corrosion issues.
13. Complete the rear brake cable installation by first anchoring the lug behind the right hand side (RHS) lever adjustment assembly and then running the rear brake cable (RHS) through the rear cable adjustment assembly through the enclosed coil spring (in the bag of hardware) and finally through the hole in the anchoring nut.

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14. Complete the front brake cable installation by first anchoring the lug behind the left hand side (LHS) lever adjustment assembly and then running the front brake cable (LHS) through the brake noodle, rubber grommet and finally through the slot in the anchoring nut. Tighten and adjust the cable. Proper adjustment will permit the removal of the cable by unlatching the brake noodle.
15. Install the right side shifter cable by passing it through the pre-installed housing and then through the rear derailleur adjustment assembly and finally through the derailleur cable anchoring nut.
16. Thread the chain through the derailleur and install using a bicycle chain breaker/riveting tool or a Quick Link (not provided). Note: Any good quality 6/7/8 speed chain is a suitable replacement but a 138 link length is required!!
17. Mount the seat on both the seat post AND the support rail before sliding the seat post into the seat tube and tightening. Refer to the provided pictures. Notes for smaller riders: Reversing the stem will bring the handlebars closer to the rider. Installing the seat bracket mounting clamps opposite to the photo will give additional frame clearance.
18. Install the rear fenders with the brackets INSIDE the frame tangs using the two washers, allen-head bolt and locking nuts provided for each of the four mounting points. Tighten all nuts securely. Final alignment of the fenders can be done by bending the fender brackets slightly.
19. Mount the basket on the rear frame section using the supplied mounting brackets. Install the larger brackets on the frame first to support and offset the basket from underneath. Install the smaller brackets inside the basket to anchor it to the larger brackets.
20. Install the pedals (L on the left side with a counter clockwise thread, R on the right with a regular clockwise thread). Install the chain guard using the preinstalled mounting screws. Install the white reflector on the front steering stem. Install wheel reflectors on all three wheels (red on the rear wheels, orange or white on the front wheel). Install cable crimps after trimming cables. Inflate the tires. The recommended tire pressure is marked on the tire sidewall. Adjust the brakes, the handlebar angle and the seat height.

Note: For your own safety it is recommended that you bring the assembled tricycle to a competent bicycle mechanic for an inspection before using it.

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The longer frame mounting bolts are used to mount the seat bracket with a plain nut as a spacer and a locknut on the outside.



For smaller riders - installing the seat bracket mounting clamps opposite to what is shown in the photo will give additional frame clearance.

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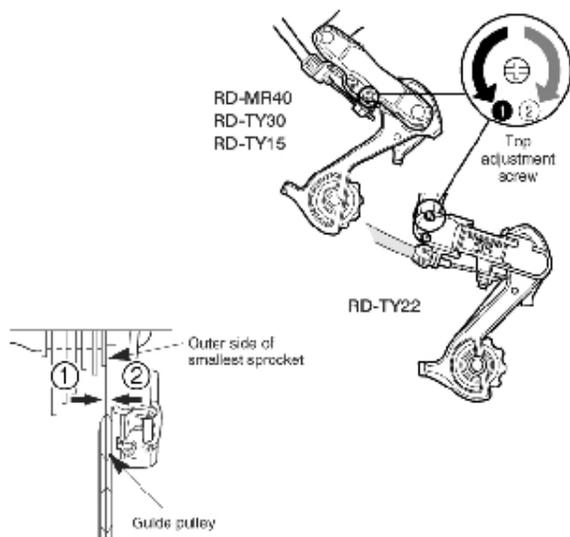
The secondary basket mounting brackets can be mounted in either direction – across the frame or in the same direction as the main supporting brackets.

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Stroke adjustment and cable securing

1. Top adjustment

Turn the top adjustment screw to adjust so that the guide pulley is below the outer line of the smallest sprocket when looking from the rear.

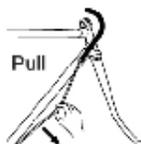


2. Connection and securing of cable

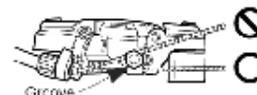
Connect the cable to the rear derailleurs and, after taking up the initial slack in the cable, reattach to the rear derailleurs as shown in the illustration.

Secure the cable by pulling it with pliers with a force of 5-10 kg.

Tightening torque:
5 - 7 Nm (44 - 60 in. lbs.)

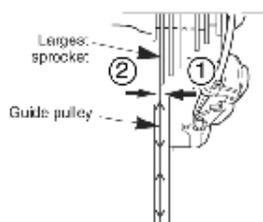


Note: Be sure that the cable is securely in the groove.

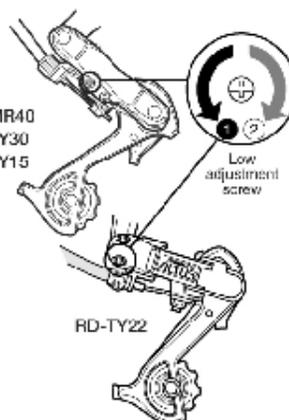


3. Low adjustment

Turn the low adjustment screw so that the guide pulley moves to a position directly below the largest sprocket.



RD-MR40
RD-TY30
RD-TY15

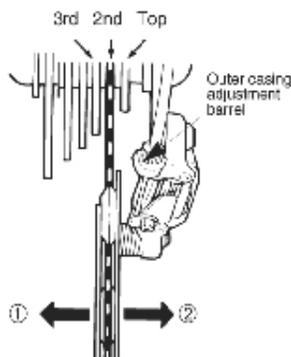


SIS Adjustment

1. Operate the shifting lever to move the chain from the top gear to the 2nd gear.

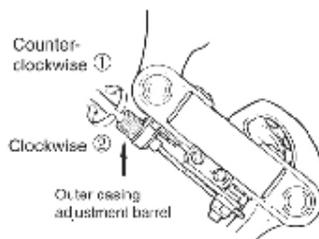
* If the chain will not move to the 2nd gear, turn the outer casing adjustment barrel to increase the tension-----① (counter clockwise)

* If the chain moves past the 2nd gear, decrease the tension---② (clockwise)



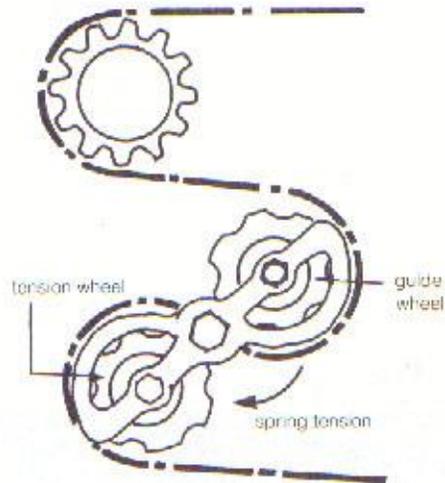
2. Next with the chain on the 2nd gear, increase the inner cable tension ① while turning the crank arm forward. Stop turning the outer casing adjustment barrel just before the chain makes noise against the 3rd gear.

This completes the adjustment.



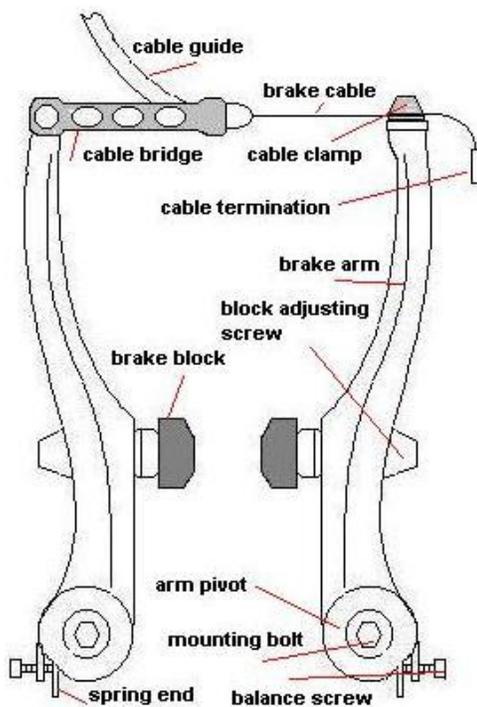
For the best SIS performance, periodically lubricate all power-transmission parts.

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Chain routing at rear derailleur

V-Brake Assembly



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Proper adjustment of the cable tension will permit the cable guide (brake noodle) to be barely unclipped from the cable bridge. This permits easy installation / removal of the wheel for service or flat repairs.



LOW SEAT POSITION