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# JC Series Assembly Guide

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**Congratulations** on your purchase of a JC Series Performer trike!

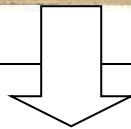
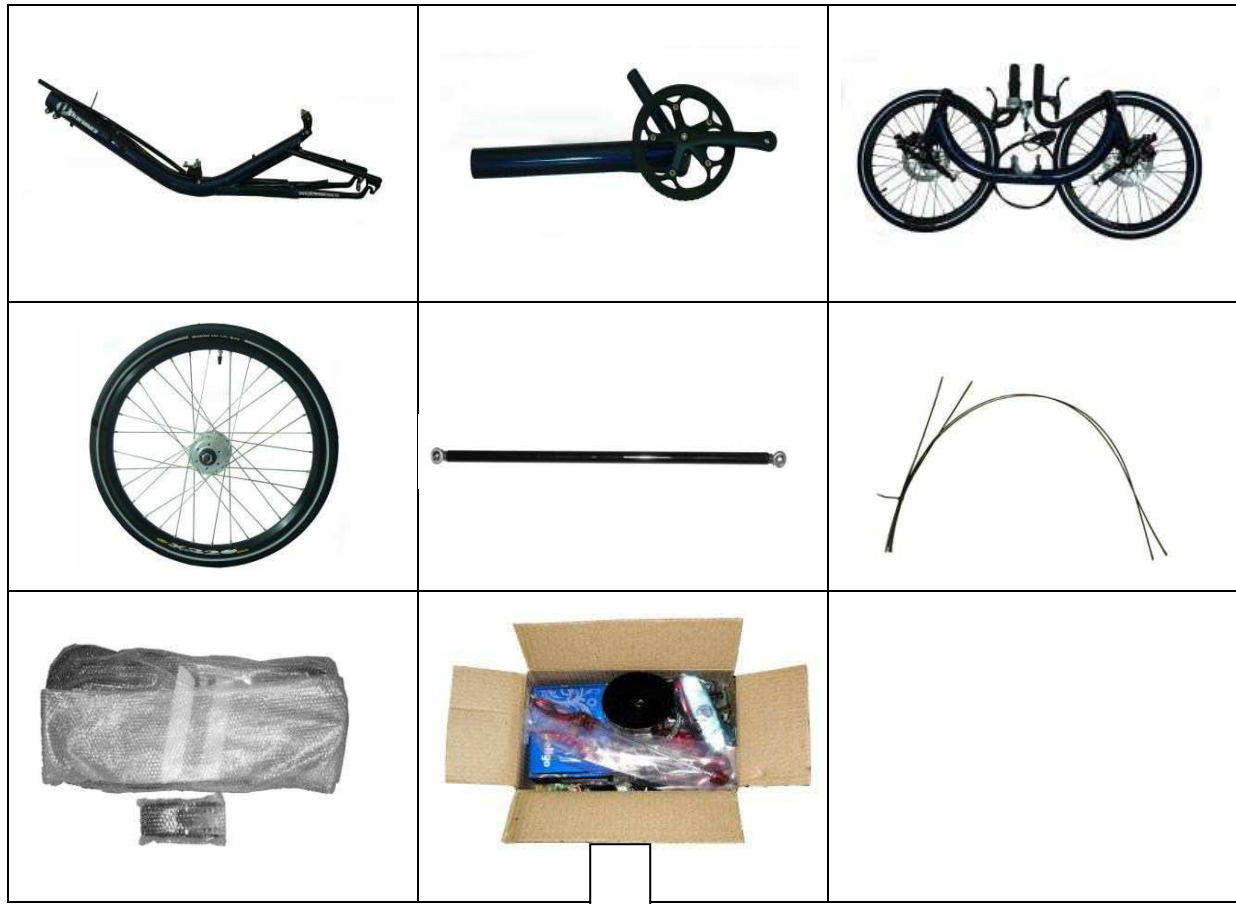
The Performer JC Series is designed for everything from touring to commuting and shopping in the city. The JC Series frames are made of lightweight aluminum with a large diameter to enhance strength and durability.











When you receive your trike, please make sure everything in the Included Parts List have been included. Your trike has already been half assembled and this manual will provide details on the remaining steps.

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# Included Parts List



Quick release	Cable housing	Pedals	Tire tubes
			
Reflector	Tools	Chain	Brake wires
			
Shifter wires	Rear derailleur		
			

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# Assembly Guide

## Frame and Wheels

1. Place the frame on the outrigger tubes (pic 1)
2. Attach the four boom bolts without fully tightening
3. Attach the rear wheel to the main frame (pic 2)
4. Remove the nut and one spring from the quick release. Insert the quick release and remaining spring from the left side of the trike through the rear axle and tighten
5. Replace the spring and tension nut on the right side
6. Install rear derailleur (pic 3)
7. Make adjustments to the rear derailleur if necessary now as this is more easily done before attaching the chain (pic 4)

Pic 1



Pic 2



Pic 3



Pic 4



## Frame Alignment

1. Make sure the rear wheel is vertical to ground and the front two wheels are parallel to each other.
2. Picture 5 shows the front wheels OUT of alignment towards the right. To correct this, loosen the right two bolts and then tighten the left two bolts. Reverse this process for correcting a lean towards the left. Once the frame is aligned, carefully tighten the four bolts in an alternating pattern to avoid misalignment until they are fully tightened.



Pic 5

3. Run the tie rod below the frame and attach it to the tie rod mounts (pic 6)
4. Measure the distances between the tires at both the leading edge (pic 7) and the trailing edge of the tires (pic 8)
5. Rotate the tie rod until the two measurements in step 4 are equal
6. Tighten the two tie rod locking nuts (pic 9)

Pic 6



Pic 7



Pic 8



Pic 9



## Installing Pedals

Performer strongly recommend the clipless pedal system to reduce leg fatigue and to avoid injury caused by feet slipping from the pedals. Grease pedal and screw in the right pedal clockwise and left pedal counterclockwise. Tighten the pedals at the base.

## Installing Seat

Once you determine your preferred position, install seat onto the seat bracket. Lock the seat clamp and headrest bolts tightly. Make sure that the seat attachments are tightened securely. If the attachments are not sufficiently tight, the loose bolts on the FRP seat may break the seat from the bottom with use. Attach the seat pad with the provided Velcro strips on the seat pad to the FRP seat.

## Installing Brake and Shifter Cables

Attached to the frame are three cable guides for the rear derailleur cable, as well as two cable guides for the front derailleur. Be sure to avoid sharp bends while routing the cables. Grip shifters have been installed on the handlebars with the shifter wire already threaded.

# Shifter Cables

1. Insert the boom into the frame, making sure that the front derailleur is on top and the crank is to the right. Do not fully tighten the bolts.
2. Slide the right hand shifter wire into a cable tube and route it along the tie rod (pic 10)
3. Check that the cable is long enough for a full turn in both directions.
4. Route the shifter cable under the seat bracket and through the cable guide (pic 11)
5. Slide the shifter wire into a short cable tube. Insert the shifter cable tubes into the rear frame guides, leaving an exposed section of cable between them. Insert the shifter wire into the rear derailleur.
6. Pull the shifter wire tightly, tighten the derailleur wire screw, and seal the end with a provided wire cap (pic 12/13)

Pic 10



Pic 11



Pic 12



Pic 13

7. Slide the left hand shifter wire into a cable tube and also route it along the tie rod.
8. Route the front shifter cable through the cable guide below the boom and then into the guide on the boom itself. Insert the shifter wire into the front derailleur, tighten the wire screw, and seal the end with a provided wire cap

# Brake Cables

## Front brake cable (right hand):

1. Squeeze the brake lever to open it up and place the head of the cable into the lever.
2. String the brake wire into a cable tube (pic 14)
3. Thread brake cable into brake arm and seal the end with a provided cap (pic 15)
4. Attach the brake and shifter cables to the tie rod with a provided zip tie. (pic 16)
5. If the wheel drags slightly, adjust the brake pad by using the brake pad adjusting knobs.
6. Repeat for the left side.

Pic 14



Pic 15



Pic 16



## Adjusting Handlebars

Each handlebar may be adjusted independently. To adjust, loosen the two handlebar bolts to and move the handlebar to a comfortable position. Tighten handlebar bolts. (pic 17)

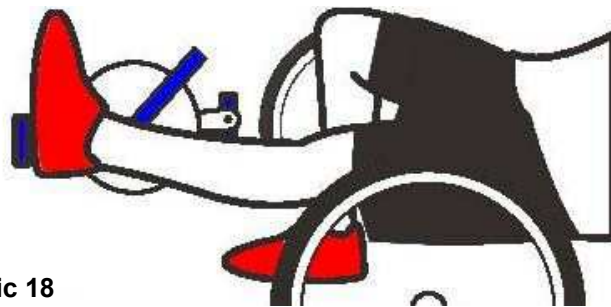
Pic 17



## Adjusting Boom

Sit on the seat and step against the pedal, carefully sliding the boom in or out to adjust to a comfortable leg length. Make sure that the crank is vertical and then tighten the two frame bolts securing the boom in position. (pic 18)

Pic 18



## Routing Chain

1. Moving in the reverse pedaling direction, route the chain over the smallest chain ring, through the front derailleur and through the upper chain tube (pic 19)
2. Run the chain below the under-seat idler and through the idler chain guard (pic 20)
3. Run the chain through the next chain tube (not shown), over the sprockets, and then down through the rear derailleur (pic 21)



4. Finally, run the chain through the lower tube to reach the other end of the chain (pic 20)

Pic 19



Pic 20



Pic 21



## Adjusting Chain Length

The proper chain length is determined by the position of the rear derailleur.

1. Shift to the smallest cog in both the front and the rear.
2. Pull the chain taut. If the chain is too short, there will be a gap as in (pic 21)
3. There should be a small gap, enough to prevent rubbing, between the derailleur and the chain. (pic 22)
4. Once the proper length has been determined, break the chain using the provided tool and use the provided master link to attach the chain.

Pic 21



Pic 22



## Adjusting Derailleurs

1. Check if the chain can shift to the largest and smallest cog on the rear wheel, if not, the rear derailleur H/L limit screws will need to be adjusted.

2. If the chain won't go to the largest cog, loosen the L. If it won't shift to the smallest cog, loosen the H.
3. If the front derailleur won't shift the chain to the largest chainring, loosen the H. If it won't shift the chain to the smallest chainring, loosen the L.

## **Safety Recommendations**

1. Always wear an approved cycling helmet.
2. Inspect your trike before every ride.
3. Tighten any parts which may have loosened.
4. Use a flag. Trikes are very low to the ground and a flag can increase visibility.
5. The tires should be inflated to the pressure indicated on the rim.
6. Replace your tires before they wear out.
7. Be careful riding in wet weather conditions. Ride slower through corners to avoid skidding.
8. Attach reflectors and use front and rear lights while riding at night.

## **Limited Warranty**

### **WARRANTY LIMITATIONS**

To the extent permitted by law, this warranty is in lieu of all other express or implied warranties. Performer disclaims all statutory and implied warranties, including without limitation, warranties of merchantability and fitness for a particular purpose, and warranties against hidden or latent defects, to the extent permitted by law. Any such warranty which cannot be disclaimed is limited to the duration and remedies of this express warranty in so far as such a limitation is allowed by law.

### **WHO IS COVERED**

This warranty is extended only to the initial purchaser for as long as the initial purchaser owns the trike and is not transferable. This warranty only covers personal use and does not extend to business or commercial use.

### **WHEN DOES THIS WARRANTY BEGIN**

This warranty shall take effect on the date of original purchase.

### **WHO WILL FULFILL THIS WARRANTY**

Performer is solely responsible fulfilling the terms of this warranty. The individual or company selling or distributing this trike shall not be responsible for fulfilling the terms of this warranty; any work done by the seller or distributor to replace or repair any part of this trike shall not imply a duty by the seller or distributor to fulfill the terms of this warranty.

Repairs performed by anyone other than Performer, or any person authorized by Performer, and replacement parts not supplied by Performer, are not covered under this warranty.

Performer may, at our sole discretion, authorize the initial purchaser or agent of the initial purchaser to perform repairs under this warranty.

### **HOW WILL THIS WARRANTY BE FULFILLED**

Under this warranty, Performer will repair, replace or refund, at our sole discretion, a defective frame, fork or other part with the same or comparable model. Frame, fork or parts

covered must be returned to us, to an authorized dealer or any other person, at our discretion, for inspection at the customer's expense and must include a copy of the original receipt. The owner is responsible for all labor, shipping and travel costs connected with the repair or replacement of warranted parts.

### WHAT IS COVERED

Metal frames are covered for a period of five years. Carbon frames are covered for a period of three years. Forks and non-consumable parts are covered for a period of one year.

### WHAT IS NOT COVERED

Consumable parts, including but not necessarily limited to, tires, tubes, brake and shifter cables, brake shoes, grips, seat covering, crankset, gears and chain are not covered under this warranty.

In addition to the limitations above, normal wear and tear, damage due to improper assembly and/or maintenance, modifications, or installation of parts or accessories not included with this trike as sold, including power assist, is expressly excluded from this warranty and is not covered.

Further, any damage caused by any accident, act of God, abuse, misuse, neglect or theft is not covered.

This warranty does not cover paint damage, rust or cosmetic damage including dents or scratches.

### NOT LIABLE FOR DAMAGES

In no event shall Performer be liable for any direct, indirect, punitive, incidental, or consequential losses, injuries, damages or expenses to property or life, whatsoever arising out of or connected with the use or misuse of our products.

### YOUR RESPONSIBILITIES

The initial purchaser is responsible for inspecting this trike for proper assembly, installation and adjustments at time of purchase, and for subsequent normal maintenance and adjustments. The initial purchaser or that person's agent must notify Performer at the email address below of any claims under this warranty. Such notification must be given within the warranty periods stated above.

## Limited Warranty Contact Information

Please notify Performer in writing with attached picture of the frame showing damage to [christine@performer.com.tw](mailto:christine@performer.com.tw) : For warranty assistance, please contact Performer at this email address. For faster service, attach a picture of the damage being claimed.