

Worksman Port-o-trike- The Compact Deluxe Adult Folding Tricycle**Proudly made in the USA****For Models PT, PT2F and PTCB & PT3CB****The Worksman Port-o-trike**

Congratulations on your purchase of the Port-o-trike Compact Adult Folding Tricycle, one of the most popular **Adult Recreational Tricycles** of all time. This is a consumer-recreational tricycle with a **recommended weight limit of 210 pounds**. This tricycle is very practical whether you choose to fold it or not. The low step through, compact design is ideal for those riders who simply want to ride leisurely, safely and comfortably. The Port-o-Trike has been carefully manufactured in the USA with simple finishing assembly required. It is always wise to have a qualified bicycle mechanic perform repairs and assembly of any cycle. Please read these instructions thoroughly prior to assembly and riding. Visit our website www.worksman.com to see our complete line of Worksman recreational and industrial cycles.

Tools Required for assembly

- Slotted Screwdriver
- Pliers
- Adjustable Wrench

Carton Contents

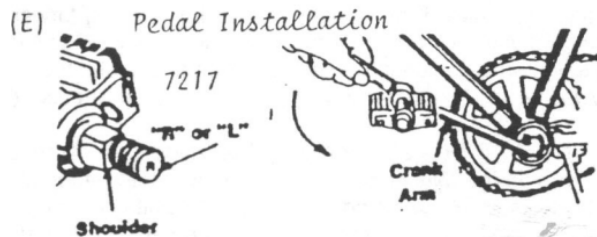
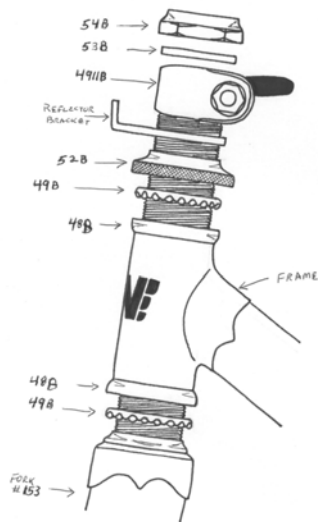
- * Port-o-trike Tricycle
- * Seat
- * Cargo Basket
- * Front Fork/Wheel Assembly
- * Handlebar
- * Parts kits which includes:
 - * Handlebar Grips
 - * Handlebar Stem
 - * Reflector Kit
 - * Seat post & Seat post Clamp

A) INITIAL ASSEMBLY

- 1) Remove Protective bubble wrap
- 2) Open Tricycle frame (unfold the all new "Safety-Loc" hinge in center of frame until frame is straight).
- 3) Rotate the hinge arm and bolt into slot on hinge and press the arm into the lock position (note: the new Safety-Loc System has a pin that drops into the hole on the hinge to insure that the hinge cannot fold accidentally.)

**B) Front Wheel & Fork Assembly (See Headset Illustration)**

- 1) Grease top and bottom cups (#48B) in fork head tube on tricycle frame
- 2) Slide one bearing (49B) on to the fork/wheel assembly with balls facing downward onto the cone which is already pre-mounted on the fork.
- 3) Slide the Fork/wheel assembly up into the frame head tube of the tricycle and center the bearings so it seats properly
- 4) Slide the remaining bearing retainer(49B) with balls facing downward over the fork steer tube and into the fork cup (48B) which is pre-mounted in the frame
- 5) Grease top adjusting cone (#52B) and thread it onto the threaded fork steer tube clockwise, Hand Tighten securely without binding. Make certain that the balls of the bearings are aligned properly before final tightening so the fork can rotate smoothly.
- 6) Install Reflector bracket with notch lined up with notch on fork steer tube
- 7) Place Quick Release Clamp (4911B) on fork assembly with the arm in open position and hand tighten the nut
- 8) Place key washer (53B) over clamp with notch lined up with notch on fork steer tube
- 9) Screw top lock nut (54B) clockwise onto fork assembly and tighten securely using an adjustable wrench.



C) Handlebar and Parts Installation

- 1) Open Fork quick-release (4911B)L Tightening Arm
- 2) Insert the Handlebar Stem (55E) at least 4" into the fork steer tube with the head of the stem facing forward
- 3) Hand tighten the nut on the 4911B quick-release securely and close the L-Tightening arm). Please note, you should be able to rotate this arm without great pressure at this time. This will be readjusted at time of final assembly. Excessive force can cause damage. If the arm requires force to close, simply back the nut off a bit at this time.
- 4) Insert the handlebar (55F) into the opening of the stem. The Handlebar ends should angle toward the rear of the tricycle. If the handlebars do not slip into the stem easily, simply loosen the adjusting bolt and use a flat head screwdriver to slightly pry open.
- 5) Once handlebar is inserted into the stem, using an adjustable wrench, tighten the adjusting nut. However, at this time, do not tighten fully as this will also be adjusted in final assembly process.
- 6) Install brake levers onto the handlebars
- 7) Slide handlebar hand grips (55b) onto the bar end with finger points facing forward and slightly downward. It may be helpful to rinse grips in warm water for 30 seconds, dry and then install.
- 8) On 3 speed models, attach shift lever to handlebar

D) Installation of Pedals (see Illustration)

- 1) Pedals are marked L for left and R for right on the threaded end of the pedal axle. Screw the right hand pedal "R" clockwise into the right crank arm (chain and sprocket side). Screw the "L" pedal counterclockwise into the left crank arm. Secure pedals tightly (recommended torque 275 pounds) Attempts to install pedals on wrong side will result in damage to the thread, so proceed carefully.

E) installation of Rear Cargo Basket

- 1) Place basket on Frame, centering the basket between the rear wheels and frame platform
- 2) Place the white basket retention strap into the basket and align the holes with the holes on the frame.
- 3) Bolt strap to frame, thus securing the basket.

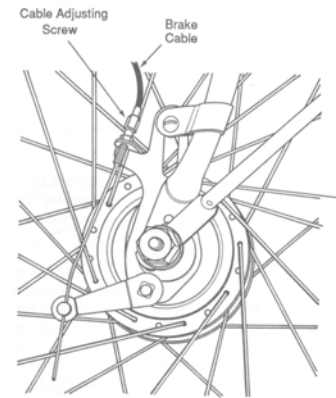
F) Installation of Seat post

- 1) Place seat post into saddle clamp (#4911A) located on the bottom of the saddle and tighten saddle clamp securely using an adjustable wrench or socket. Make certain that the tapered end of the seat post clamp is fully through the clamp. Open Seat post Quick Release Clamp by rotating lever and loosening the nut (same as handlebar quick release operation). Insert the seat post into the frame to the desired height level (must be inserted at least 3.5"). Hand tighten nut and rotate clamp arm. Make certain at this point that the seat post is tight and does not rotate.
- 2) Install seat onto the seat post. The nose of the seat should be slightly "Nose up". Tighten seat clamp with a wrench (35 pounds of foot torque). This must be tight to avoid rotation of the seat on the post.

Adjustment of the seat height is a personal preference. However, it is recommended that the height be adjusted so that the ball of the foot comfortable touches the pedal when the knee is slightly bent and the pedal is in its lowest position.. It is important to make certain that the seat is secured tightly to the post and that the frame quick adjust is tightened sufficiently so there is no rotation.

G) Final Assembly

- 1) Install reflector kit
- 2) Seat- Adjust seat for desired height. Open Quick Release Tightening clamp. Put one pedal in the down position. Adjust the seat height so that the ball of the riders foot comfortably reaches the pedal when leg is slightly bent while seated. Seat Height is a personal preference. Seat-post must inserted into frame at least 3.5". Once seat is positioned properly, tighten nut fairly securely by hand and close the "L" tightening arm. Seat-post should be tight enough to insure that the seat does not rotate.
- 3) Handlebar- Open Quick Release Clamp. Reposition Stem in frame to achieve the desired height. Keeping minimum stem insertion (as detailed in Stem installation section) at 4". Squarely position the bars in line with front wheel and re-tighten the clamp.
- 4) Tires- Check for proper tire inflation (35PSI is normal). Maximum tire inflation is indicated on the side wall of the tire.
- 5) Drum Brakes (PT2F-W) are pre-adjusted at the factory. However, if the wheel is not turning freely as a result of a tight drum brake, readjust the cable adjusting screw.



Drum Brake Cable Adjustment

How to fold your Tricycle

Lift the "Safety-Loc" lever and rotate the bolt arm while slightly lifting this arm, you will then be able to fold the frame. Be careful to position the pedals for wheel clearance. To refold, simply rotate the bolt back into the slot (you may have to push bolt slightly downward to line up with the slot). Once positioned, lift the "Safety-Loc" lever. It is advisable to place grease in the pin hole on the frame hinge every so often so the "Safety-Loc" system works easily.

This Tricycle is equipped with Hand Brakes. Apply brakes by squeezing hand lever.

Make certain to read the manual prior to riding. Make certain to understand rules of the road and safety instructions. Do not ride cycles after dark. In Dusk or dawn, lights are recommended. Use of a Helmet is always a good precaution. Inspect your cycle regularly for wear of parts and replace as required. Only use factory original replacement parts. Lubricate Chain, caliper Brake Pivot Bolt and other past as necessary and at least once every 6 months.

Owner's Responsibility: 1) Make certain that all assembly instructions have been followed and that the tricycle is safe and ready to ride, 2) perform maintenance as needed, 3) have knowledge of how to ride the cycle 4) provide instructions to anyone who may ride the cycle 5) conform with all local regulations including traffic laws 6) be deemed physically fit to ride a cycle.

Where to Ride a Three Wheeler: It is recommended that you ride in areas that are paved and relatively flat. Avoid steep hills and naturally ride where you feel safe. Low traffic areas are most desirable.

How to Ride a Three Wheeler: Sit up straight when going straight. When turning you can lean ever so slightly into the direction of the turn. Slow Down prior to making a turn. Never make sharp turns. Steer by pointing the front wheel in the direction you wish to go. Note, tricycles have a tendency to pull slightly to the left---this is common in all three wheelers. It is very common for three wheelers to make some clicking noise that emanates from the chain. Commercial use voids warranty. This is a consumer model. The company makes a full array of industrial and recreational cycles. Visit our web site www.worksman.com to view the many quality cycles we offer.

Brakes and 3 Speed (for models with 3 speed Coaster Brake): All Port-o-trikes are equipped with a hand brake (Caliper or Drum) that are operated by squeezing the hand lever. Coaster Brake models also have foot brakes which are engaged by pedaling backwards until the brake operates. It is best to gently slow the cycle down using the hand brakes and completing the stop using the coaster brake. For those models with the 3 speed coaster brake, simply use the handlebar mounted shifter to select the desired gear. Gear one is the easiest gear (for easier starting) while gear two and three are useful once you get to your desired riding speed. Select the gear that suits your individual taste and comfort level.

Replacement Parts List: (PT, PT2F, PTCB, PT3CB-03)

<u>Part #</u>	<u>Description</u>	<u>Part #</u>	<u>Description</u>
3200	Frame (PT, PT2F)	<u>Crank assembly and parts</u>	
3201	3200CB Frame (PTCB, PT3CB)	7217	Pedals (pair)
3202	4908SL Safety-Loc Hinge bolt with lever	1265	Crank Parts Set(all parts inside crank housing)
<u>Front End Assembly</u>		3275	Crank- 5.5"
50B	Head Parts Set	1380C	Front Sprocket 36T
48B	Ball Cups for frame (Head)	1267G	Complete Crank set (1265,3275,1380C)
49B	Bearings for Head set (pair)	<u>Fenders (Optional Rear Fender Kit is sold separately)</u>	
51C	Fork Bottom Cone (presses onto fork)	4800	Front Fender
52C	Threaded Top Adjusting Fork Cone	4802	Front Fender Brace
53C	Key Washer	95	L-Bracket for front fender
54C	Top Fork Lock Nut	<u>Seats and Related Parts</u>	
4911B	Quick Release Clamp and parts (fork)	7910	Saddle- Wide (standard)
153	Front Fork- specify color	7911	Saddle Wide (with Springs (optional)
55B	Hand Grips (pair)	4908D	Seat post
55E	Handlebar Stem	4911A	Quick Release Clamp for Seat Post
55F	handlebars	<u>Rear Axle and Related Parts</u>	
<u>Wheels and Related Parts</u>		176	Rear Axle w/drive plate
467	Front Drum Brake Wheel w/tire	174HD	Bearing for rear axle (cartridge style 5/8")
467A	Front Drum Brake Wheel w/o tire	57	Rear Axle Elastic Lock Nut
G250	Front Drum Brake (not built into wheel)	4129A	Rear Freewheel Sprocket(PT,PT2F)
G219	Front Drum Brake Cable and Housing	62	Bushing (for 4129A)
G219A	Front Caliper Brake Cable and Housing	69B	Fixed Drive Sprocket (PTCB,PT3CB)
468A	Rear Wheel w/2 174HD bearings w/o tire	<u>Chains and Related Parts</u>	
M20A	Rims Only (not a built wheel)	4910	Chainguard
468	Rear Wheel w/2 174HD bearings w/ tire	4914H	Chain 1/2x1/8x97 links(PT,PT2F)
6012W	Tires 20x1.75 White wall	4914M	Chain Connecting Link
6012A	Tube 20x1.75	4916	Chain Idler Sprocket
1017A	Rim Strip	4914E	Short Chain (PTCB, PT3CB)
1014H	Spoke only- front wheel (sold in 100 packs)	4914L	Chain-Long (PTCB,PT3CB)
1014I	Spokes only- rear wheels (sold in 100 packs)	4914R	Chain ½ link
<u>Misc. Parts</u>		404SA	3 Speed Coaster Brake with shifter (PT3CB)
5927WA	Rear Basket	301	Coaster Brake Double Sprocket (PTCB)
5030T	reflector Kits for Tricycles	5927BB	Rear basket mounting Strap
<u>Available Accessories</u>		SA13-1	3 speed cable and twist grip (Sturmey Archer)**
3979	Ding Dong Bell	SA14-1	3 speed Cable and Piano Shifter (thumb)- Sturmey**
303	Squeeze Bulb Horn	3973	Battery Operated Mega-Horn
101710	Flashing Strobe Light- White Lens	FS20	Rear Fender Kits (Pair)
7917A	<i>Back Rest- Ideal for special needs riders</i>	101714	Flashing Strobe Light- Red Lens
		133WH	Front Basket with bracket

**- on three speed models, please note the brand and shifter style. Your Worksman PT3CB will be equipped with a quality 3 speed and shifter, but brand and shifter style may vary. Parts listed here are the most commonly used Sturmey Archer style. For Shimano Parts, call 718 322-2000.

Limited Warranty

This cycle is warranted against faulty parts under the following conditions: This warranty does not cover any failure due to accident, abuse, misuse, neglect, or as a result of normal wear and tear, or by assembly errors performed by a non-qualified mechanic. The entire frame including all welded joints in warranted to be free of defects in material and workmanship for one (1) year while in the possession of the original purchaser. All other parts on this cycle (except tires and tubes) are warranted for 90 days from date of purchase. Proof of purchase is required and completed warranty cards must be received in our office prior to any claims being considered. The manufacturer reserves the right to have all defective parts returned at purchasers expense for examination prior to resolving the claim. If upon examination the manufacturer deems the part to be defective and within the warranty period, a replacement part will be sent at no charge, with the exception of shipping. Unauthorized repair of parts voids warranty. Proper maintenance is required for the warranty to be valid. If it is determined by the manufacturer or the dealer that the part in question is not covered by warranty, we will advise the cost to repair or replace the part. The sole responsibility of the manufacturer pursuant to the terms of this warranty are the replacement or repair of the parts in question. The liability of the manufacturer shall in no event exceed the original purchase price of the model and the manufacturer shall not be liable for any consequential damages of any nature including but not but not by way of limitation damages for personal injuries or to property. This statement constitutes the exclusive expression of warranties by the manufacturer and is in lieu of any and all other warranties including expressed warranties, any implied warranties,, including but not limited to warranties of merchantability and fitness or purpose, are limited in duration to one year of purchase for the frame (excludes fork) and ninety (90) days for other parts as covered in this warranty. Cycles are not intended for off road use, stunt riding or similar activities. Should an approved electric bicycle assist be added to the cycle, the purchaser is responsible for meeting any local laws. Such modifications void warranty.. Void where prohibited by state law.

The seller is not responsible for typographical errors or omissions.

Manufactured by:

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Visit www.worksman.com to see all the quality Worksman Adult Tricycles, Bicycles and Tandems.



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