TANDEM BICYCLE OWNER'S MANUAL

THIS MANUAL CONTAINS IMPORTANT SAFETY, PERFORMANCE AND MAINTENANCE INFORMATION. READ THE MANUAL BEFORE TAKING YOUR FIRST RIDE ON YOUR NEW BICYCLE, AND KEEP THE MANUAL HANDY FOR FUTURE REFERENCE.
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This manual contains important information regarding safety, assembly, use, and maintenance of the bicycle but is not intended to be a complete or comprehensive manual covering all aspects concerning bicycle ownership. We recommend consulting a bicycle specialist if you have any doubts or concerns regarding your experience or ability to properly assemble and maintain the bicycle.

Our customer service department is dedicated to your satisfaction with Pacific Cycle and its products. If you have questions or need advice regarding assembly, parts, performance, or returns, please contact the experts at Pacific Cycle.

Enjoy the ride.

Toll free: 1-800-626-2811.
Customer Service hours: 8 AM - 5 PM (Central Standard Time, CST) Monday thru Friday.

You may also reach us at:
Web: www.pacific-cycle.com
Email: customer service@pacific-cycle.com
Mail: Pacific Cycle, Inc.
PO Box 344
4730 E Radio Tower Ln
Olney, IL 62450

Do not return this item to the store. Please call Pacific Cycle customer service if you need assistance.
Safety

Safety Signal Words

The following safety signal words indicate a safety message. The symbol alerts you to potential hazards. Failure to follow the warning may result in damage to property, injury, or death.

**WARNING!**
Indicates a hazard or unsafe practice that will result in severe injury or death.

Failure to read, understand and follow the safety information in this manual may result in serious injury or death.

**CAUTION!**
Indicates a hazard or unsafe practice that could result in minor injury.

**NOTICE**
Indicates a hazard unrelated to personal injury, such as property damage.

User Responsibility

All persons assembling, using, and maintaining the bicycle must read and understand the safety warnings and operating instructions in this manual before using the bicycle.

It is the responsibility of the user, or in the case of a child rider, an adult, to ensure the bicycle is in proper operating condition before each use. See the Safety Checklist in the Use section of this manual.

A responsible adult must supervise the use of the bicycle by a child. You must ensure:

- The child is wearing the proper protective attire and approved bicycle helmet.
- The child is seated securely and the bicycle is properly fitted to the child.
- The child understands applicable laws and common sense rules of safe responsible bicycling.
Protective Gear and Clothing

Always wear proper attire when riding the bicycle, you should wear:

- Colors that are easily seen and, if possible, reflective clothing.
- Clothing appropriate for the weather conditions.
- Use of protective gear such as pads for the knees and elbows is highly recommended for children.
- A properly fitted, ASTM or SNELL approved, bicycle helmet shall be worn at all times by riders of the bicycle. For information regarding how to properly fit a helmet visit: http://www.nhtsa.gov/people/injury/pedbimot/bike/easystepsweb

Note: Some states have helmet laws regarding children. Always follow local or state regulations regarding helmet use.

Do not wear:

- Loose clothing parts, strings, jewelry that may become entangled with moving parts on the bicycle or interfere with handling of the bicycle.
- Pants with loose pant legs. If necessary, always tuck pant legs into a sock or use a leg band to avoid the clothing becoming caught in the drive chain.
- Shoes with untied shoe laces.

Use of Reflector and Lights

- Federal regulations require every bicycle over 16” to be equipped with front and rear wheel reflectors as well as pedal reflectors.
- States may require specific safety devices. Always follow state or local regulations regarding required safety devices.
- Always check the reflectors are in place before using the bicycle.
- To help enhance your visibility to automobile drivers use front and rear lights.

Riding Safety

- Familiarize yourself with all the bicycle’s features before riding. Practice gear shifts, braking, and the use of toe clips and straps, if installed.
• Always ride defensively in a predictable, straight line. Never ride against traffic.

• Concentrate on the path ahead. Avoid pot holes, gravel, wet road markings, oil, curbs, speed bumps, drain grates and other obstacles.

• Cross train tracks at a 90 degree angle or walk your bicycle across.

• Expect the unexpected (e.g. opening car doors or cars backing out of concealed driveways).

• Take extra care at intersections and when preparing to pass other vehicles.

• Maintain a comfortable stopping distance from all other riders, vehicles and objects. Safe braking distances and forces are subject to the prevailing weather conditions. Do not lock up the brakes. When braking, always apply the rear brake first, then the front. The front brake is more powerful and if it is not correctly applied, you may lose control and fall.

• Always use the correct hand signals to indicate turning or stopping.

• Obey the traffic laws (e.g. stopping at a red light or stop sign, giving way to pedestrians).

• Wear proper riding attire, reflective if possible, and avoid open toe shoes.

• Avoid wearing loose pants. If you are wearing loose pants, tuck the pant leg into a sock or use leg clips/elastic bands to prevent them from being caught in the drive chain.

• Do not use items that may restrict your hearing and vision.

• Don’t carry packages or passengers that will interfere with your visibility or control of the bicycle.

### Wet Weather

• Be aware of road conditions. Pot holes and slippery surfaces such as line markings and train tracks all become more hazardous when wet.

• Decrease your riding speed, avoid sudden braking and sharp turns.

• Braking will require additional distance. Initiate braking slowly and earlier than usual.

• Wear reflective clothing and use safety lights for increased visibility.
Night Riding

- Riding at night is not recommended. Check with local law or regulations regarding the use of lights for night riding.

- Ensure bicycle is equipped with a full set of correctly positioned and clean reflectors.

- Use a white light on the front and a red light on the rear. If possible, use lights with flashing capability. Flashing lights enhance visibility.

- If using battery powered lights, make sure batteries are well charged.

- Wear reflective and light colored clothing.

- Slow down and use familiar roads with street lighting.

- Ride at night only if necessary.
Before assembly check and see that all the parts are included. If parts are missing or damaged call customer service toll free at 1-800-626-2811.
4 Hardware

Front Handlebar Hardware

stem wedge cap

Front Fender Hardware

long bolt  washer  nut

Front Wheel Hardware

2 locknuts  2 washers
5 Assembly

⚠️ WARNING!

Improperly assembly of the bicycle may result in unexpected product performance and serious injury or death. Assemble the bicycle according to the instructions in this manual or have a professional bicycle mechanic assemble the bicycle.

Getting Organized

The following tools and items are needed for assembly:

- 5 mm, 6 mm, and 10 mm Allen wrenches
- Adjustable wrench or 10 mm, 15 mm, and 17 mm open and box end wrenches
- Grease (Automotive or anti-slip copper grease)
- Phillips-head screwdriver
Attach the Front Handlebars

**Parts:** Front Handlebar, main frame

**Hardware:** Stem wedge bolt, stem clamp bolt and Stem wedge bolt cap come attached to the handlebar.

**Tools:** 5 mm and 6 mm allen wrench, grease

1. Remove the stem wedge bolt cap.
2. Apply a light layer of grease to the stem and frame head tube.
3. Insert the stem of the handlebar into the frame head tube until the *Minimum Insertion* mark is not visible. If necessary, unscrew the stem wedge bolt until there is play in the stem wedge.

**NOTICE**

The stem may break or damage may occur if the stem is not inserted the minimum amount. Insert the stem until the *Minimum Insertion* mark is not visible.

**Tip!**

The fork MUST curve away from the main frame.
4. Rotate the handle bar so it is *square* with the fork.
5. Using a 6 mm allen wrench, tighten the stem wedge bolt to lock the stem in place.
6. Replace the cap onto the stem wedge bolt.
7. Adjust the handle bars to the position you desire.
8. Using a 5 mm allen wrench, tighten the two handlebar stem clamp bolts until the handlebar is locked into the proper position.
9. Test the handle bar by trying to move it up and down to ensure it is securely tightened.
Attach the Rear Handlebar to the Front Saddle

**Parts:** Rear Handlebar, front saddle, main frame

**Hardware:** Stem clamp bolts and pinch bolts come attached to the rear handlebar.

**Tools:** 5 mm allen wrench

1. Insert the seat post through the center of the clamp on the rear handlebar.

   **Tip!** the front saddle does **not** have a reflector attached to the seat post.

2. Position the handlebar on the front seat post at the height you desire. Apply a light layer of grease to the seat post and frame head tube.

3. Using a 5 mm allen wrench tighten the two pinch bolts on the handlebar clamp.

4. Using a 5 mm allen wrench tighten the two seat post clamp bolts.

   **Important:** Do not completely tighten the bolts until the saddle is installed and adjusted to the proper height.
Attach the Saddles

⚠️ WARNING! ⚠️

Insufficient bolt tightness on the seat post may result in the seat slipping, loss of control and serious injury or death. Be sure the seat is locked and capable of supporting the weight of the rider before using the bicycle.

**Parts:** Rear Handlebar/front saddle assembly, rear saddle, main frame

**Hardware:** pinch bolts come attached to the seat tube bracket

**Tools:** 5 mm allen wrench

1. Insert the seat post with the handlebars into the front seat post, and insert the saddle with the reflector into the rear seat tube.

2. The seat post *Minimum Insertion* mark should **not** be visible.

3. Using a 5 mm allen wrench tighten the two pinch bolts on the seat tube bracket.
Attach the Front Fender

**Parts:** Front fender, front fork  
**Hardware:** long screw, washer, nut  
**Tools:** 10 mm open-ended wrench, phillips-head screwdriver

**Tip!**  
Before proceeding to the next steps, carefully turn the bicycle upside down so the bicycle is resting on the handlebars and saddles.

1. Remove the fork protector (not shown).
2. Align the holes on the fender tab with the holes at the base of the fork.
3. Insert the washer through the long screw, and then insert the long screw through the fender tabs and holes on the fork.
4. Using the 10 mm open-ended wrench, fasten the nut to the end of the long screw.
Attach the Front Wheel

**WARNING!**

Failure to properly tighten the nuts holding the wheels onto the bicycle may result in poor riding performance, the tire falling off and serious injury or death. Always be sure the wheels are securely attached to the fork before using the bicycle.

**Parts:** Front wheel, main frame

**Hardware:** 2 locknuts, 2 washers.

**Tools:** 15 mm wrench

1. Insert the axle of the wheel into the fork openings.
2. Insert a washer over the end of both axles.
3. Fasten the locknuts on the ends of each axle. Using a 15 mm wrench, tighten the locknuts securely.

**Important!** Be sure the wheel is properly seated in the fork drop outs, and the locknuts are securely tightened.
Attach the Pedals

NOTICE: Attaching a pedal to the incorrect side can strip the pedal threads and cause irreparable damage. Visually match the R and L stickers on the pedal and crank arm before attaching the pedals.

Parts: Left and right pedals (2 each), crank arms
Tools: 15 mm wrench, or Adjustable Pliers

1. Match the pedal marked R with the right-hand crank arm, and match the pedal marked L with the left-hand crank arm.

2. Place the threaded pedal into the threaded hole on the crank arm.

3. By hand, slowly turn the spindle the correct direction. Clockwise for right side pedal, counterclockwise for left side pedal.

Important! Stop if you feel resistance! This may be an indication the spindle is entering the hole at an angle. Remove the spindle and redo step four.

4. If the spindle is entering the hole cleanly then use a 15 mm wrench or pliers to tighten completely.

5. Repeat steps 1-4 for the remaining pedals.

6. Be sure the pedals are tight.

Note: The tandem bicycle is now completely assembled. Carefully turn the bicycle right-side-up and begin the final adjustments.
Adjust the Handlebar

These are your final adjustments to the bicycle, *tighten all bolts completely at this time.*

**WARNING!**

Failure to firmly tighten the handlebar stem wedge bolt, handlebar pinch bolts, may cause a sudden shift of the handlebar and result in loss of control, falling, serious injury or death.

Be sure the stem wedge bolt, and stem clamp bolts tightened before using the bicycle.

Adjust the handlebar height and angle so the rider is comfortable and has complete control. Maximum comfort is usually obtained when the handlebar height is equal to the height of the seat. You may wish to try different heights to find the most comfortable position.
Follow these steps to adjust the front handlebars:

**Tools:** 5 mm and 6 mm allen wrench

1. Remove the stem wedge cap.
2. Using the 6 mm allen wrench, loosen the stem wedge bolt until the pressure on the stem wedge is released.
3. Adjust the height of the seat post until the rider is in control and comfortable. The **Minimum Insertion** line should *not* be visible.
4. Rotate the handle bar so it is **square** with the fork.
5. Tighten the stem wedge bolt to lock the stem in place.
6. Using the 5 mm allen wrench, loosen the handlebar stem clamp bolts and rotate the handlebar until the rider feels in control and comfortable.
7. Tighten the handlebar stem clamp bolts until the handlebar is locked in place.
Follow these steps to adjust the back handlebars:

**Tools:** 5 mm allen wrench

1. Using the 5 mm allen wrench, loosen the two pinch bolts on the side of the rear handlebars.

2. Adjust the height so the rider is in control and comfortable.

3. Tighten the two pinch bolts.

4. Using the 5 mm allen wrench, loosen the stem clamp bolts on the front of the handlebars.

5. Rotate the handlebars until the rider feels comfortable and in control.

6. Tighten the two stem clamp bolts.
Adjust the Saddles

![WARNING!]

Failure to insert the seat stems beyond the **Minimum Insertion** line may cause the stem to break resulting in damage to the stem, loss of control, falling, serious injury or death. Insert the handlebar and seat stem into the frame until the **Minimum Insertion Mark** is not visible.

Insufficient bolt tightness on the seat stem may result in the seat slipping, loss of control and serious injury or death. Be sure the seat is locked and capable of supporting the weight of the rider before using the bicycle.

**For proper seat height:** Set the saddle height to obtain the most comfortable position for pedaling efficiency. The seat height should be set in relation to the riders leg length. There should be no leg strain from over extension and hips should not rock from side to side when pedaling. The correct saddle height will allow the knee to be slightly bent when placed on a pedal at it’s highest point. The opposite leg should be almost straight.

**Tools:** 5 mm allen wrench

1. Using a 5 mm allen wrench, loosen the two pinch bolts on the seat tube bracket.

2. Adjust the saddle height to the proper position according to the riders height. The saddle stem **Minimum Insertion** mark should not be visible.

3. Using a 5 mm allen tighten the two pinch bolts on the seat tube bracket.
Use

WARNING!

Failure to follow all local and state regulations and laws pertaining to bicycle use as well as the safety warnings in this manual may result in serious injury or death. Always follow all local and state regulations and laws pertaining to bicycle use, follow the safety warnings in this manual and use common sense when riding the bicycle. Always conduct a pre-ride check of the bicycle condition before riding.

Brakes

The tandem bicycle is equipped with foot operated brakes that allow the rider to pedal forward to accelerate the bicycle, and pedal backward to brake. The harder you push on the pedals, the more braking force is applied to the rear wheel.

In most cases the foot operated brake is strong enough to "lock up" (stop the wheel from turning) the rear wheel and cause the tire to skid. While this will decelerate the bicycle quickly, it will also cause unnecessary wear on the tire, and can cause a loss of control.

It is recommended to practice braking your tandem bicycle so that you have control over how quickly the bicycle comes to a stop.

It is also important to keep in mind the surface you are riding on and the environmental conditions. A dry paved road is very predictable when stopping, but with rain gravel or snow the rider needs to be extra careful and allow extra stopping distance.
Pre-Ride Checklist

Use the following checklist before every ride to ensure your bicycle is in proper working condition before riding the bicycle.

**Brakes**
- □ The brakes work properly.

**Wheels and Tires**
- □ The rims do not have dirt or grease on them.
- □ The wheels are properly attached to the bicycle and the axle nuts are tight.
- □ The wheel spokes are not loose or broken.
- □ The wheel rotation is smooth and there is no side to side movement.
- □ The tires are inflated to within the recommended pressure as displayed on the tire sidewall.
- □ The tires have tread and there are no bulges or excessive wear.

**Steering**
- □ The handlebar and stem are correctly adjusted and tightened, and allow proper steering.
- □ The handlebars are set correctly in relation to the forks and the direction of travel.
- □ The handlebar binder bolt is tightened.

**Chains**
- □ The chains are oiled, clean and run smoothly

*Note: Extra maintenance is required in wet or dusty conditions.*

**Bearings**
- □ All bearings are lubricated, run freely and display no excess movement, grinding or rattling (Note: Check headset, wheel bearings, pedal bearings and bottom bracket bearings).
Cranks and Pedals

☐ The pedals are securely tightened to the crank arms.

☐ The crank arms are securely tightened to the axle and are not bent.

Frame and Fork

☐ The frame and fork are not bent or broken

Note: If either are bent or broken, call customer service.

Accessories

The reflectors are good shape, properly placed and not obscured.

☐ All other fittings on the bike are properly and securely fastened, and functioning.

☐ The rider is wearing a properly fitted helmet (protective gear if necessary) and that clothing and loose items are properly constrained.
Failure to conduct maintenance on the bicycle may result in malfunction of a critical part and serious injury or death. Proper maintenance is critical to the performance and safe operation of the bicycle. The recommended intervals and need for lubrication and maintenance may vary depending on conditions the bicycle is exposed to. Always inspect the bicycle and conduct necessary maintenance before each use of the bicycle.

This section presents important information on maintenance and will assist you in determining the proper course of action to take if you do have a problem with the operation of the bicycle.

If you have questions regarding maintenance please call our customer service, toll free, at 1-800-626-2811 or see a qualified bicycle mechanic. Do not call the store where the bicycle was purchased.
## Lubrication Schedule

<table>
<thead>
<tr>
<th>Component</th>
<th>Lubricant</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Weekly</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chains</td>
<td>Chain lube or light oil</td>
<td>Brush on or squirt</td>
</tr>
<tr>
<td><strong>Every Six Months</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freewheel</td>
<td>Oil</td>
<td>Two drops from oil can</td>
</tr>
<tr>
<td>Pedals: that <strong>cannot</strong> be disassembled</td>
<td>Light oil</td>
<td>Two drops from oil can onto the inside bearings</td>
</tr>
<tr>
<td><strong>Yearly</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bottom bracket</td>
<td>Lithium based grease</td>
<td>Disassemble</td>
</tr>
<tr>
<td>Pedals</td>
<td>Lithium based grease</td>
<td>Disassemble</td>
</tr>
<tr>
<td>Wheel bearings</td>
<td>Lithium based grease</td>
<td>Disassemble</td>
</tr>
<tr>
<td>Headset</td>
<td>Lithium based grease</td>
<td>Disassemble</td>
</tr>
<tr>
<td>Seat stem</td>
<td>Lithium based grease</td>
<td>Disassemble</td>
</tr>
<tr>
<td>Pedals: that can be disassembled</td>
<td>Lithium based grease</td>
<td>Disassemble</td>
</tr>
</tbody>
</table>

**NOTE:** The frequency of maintenance should increase with use in wet or dusty conditions. Do not over lubricate. Remove excess lubricant to prevent dirt build up. **Never** use a degreaser to lubricate your chains (WD-40™).
## Parts Maintenance

### Wheels

**Frequency:** Inspect and maintain before each use.

<table>
<thead>
<tr>
<th>Inspect</th>
<th>Action</th>
<th>Maintenance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rims</td>
<td>Inspect for dirt and grease</td>
<td>Use a clean rag or wash with soapy water, rinse, and air dry.</td>
</tr>
<tr>
<td>Wheels</td>
<td>Check the wheels are securely fastened to the bicycle and axle nuts are tight.</td>
<td>Adjust if necessary and tighten axle nuts.</td>
</tr>
<tr>
<td></td>
<td>Spin wheel and check rotation / alignment is true</td>
<td>See bicycle mechanic for repair.</td>
</tr>
<tr>
<td>Spokes</td>
<td>Check for broken or loose spokes</td>
<td>See bicycle mechanic for repair.</td>
</tr>
<tr>
<td>Hub Bearings</td>
<td>Lift each wheel and see if there is movement side to side</td>
<td>See “Hub Bearings” for more detail or bicycle mechanic for repair.</td>
</tr>
</tbody>
</table>
## Tires

**Frequency:** Inspect and maintain before each use

<table>
<thead>
<tr>
<th>Inspect</th>
<th>Action</th>
<th>Maintenance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tire Inflation</td>
<td>Check tire pressure</td>
<td>Inflate tire to the pressure indicated on the tire sidewall. See “Inflating a Tire Tube” for more detail. If the tire is flat see “Fixing a Flat Tire” for more detail.</td>
</tr>
<tr>
<td></td>
<td>Check the bead is properly seated while inflating or refitting the tire.</td>
<td>Reduce air pressure in the tube and re-seat the bead.</td>
</tr>
<tr>
<td></td>
<td>Spin wheel and check rotation / alignment is smooth and even.</td>
<td>Loosen axle nut(s) and adjust until properly seated. If the Hub Bearings need repair see <strong>Hub Bearings</strong> for more detail or bicycle mechanic for repair.</td>
</tr>
<tr>
<td>Bead Seating</td>
<td>Check for broken or loose spokes</td>
<td>See bicycle mechanic for repair.</td>
</tr>
<tr>
<td>Tread</td>
<td>Inspect for signs or excessive wear, flat spots or cuts and damage.</td>
<td>Replace tire.</td>
</tr>
<tr>
<td>Valves</td>
<td>Check that valve caps are fitted and free of dirt.</td>
<td>Clean dirt from the valve.</td>
</tr>
</tbody>
</table>
**Brakes**

**Frequency:** Inspect and maintain before each use.

<table>
<thead>
<tr>
<th>Inspect</th>
<th>Action</th>
<th>Maintenance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coaster Brake</td>
<td>Make sure the brake arm is correctly attached to the chain stay with the brake arm clip.</td>
<td>Tighten and secure the brake arm to the chain stay.</td>
</tr>
</tbody>
</table>

![Brake Diagram]

- **brake clip**
- **brake arm**
**Drivetrain (pedals, chains, chainwheel, crank set, freewheel)**

**Frequency:** As noted.

<table>
<thead>
<tr>
<th>Inspect</th>
<th>Action</th>
<th>Maintenance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pedals</strong></td>
<td><strong>Every month:</strong> Check that each pedal is securely set and tighten into the crank arm.</td>
<td>If necessary, re-set and tighten.</td>
</tr>
<tr>
<td></td>
<td><strong>Before each ride:</strong> Check each front and rear pedal reflectors are clean and in place.</td>
<td>Clean or replace.</td>
</tr>
<tr>
<td><strong>Pedal Bearings</strong></td>
<td><strong>Every month:</strong> check the pedal bearings are properly adjusted. Move the pedal up and down, left and right. If looseness or roughness is detected adjustment, lubrication or replacement is required.</td>
<td>See bicycle mechanic for repair.</td>
</tr>
<tr>
<td><strong>Chains</strong></td>
<td><strong>Every week:</strong> Check that chains are clean, properly lubricated, rust free, and is not stretched, broken, or have stiff links.</td>
<td>Lubricate if necessary. Replace if rusted, stretched, or broken.</td>
</tr>
<tr>
<td></td>
<td><strong>Every week:</strong> Check that chain tension is correct on both chains:</td>
<td>Loosen bolts holding the rear frame and move it until the chain is taut and moves less than 10 mm. Check the rear frame is “square” to the main frame and firmly tighten the bolts holding the rear frame.</td>
</tr>
<tr>
<td></td>
<td>1. Set a straightedge against the bottom of the front chainwheel and rear sprocket.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. Pull up on the bottom of the chain.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3. If movement is more than 10 mm adjust the position of the rear frame.</td>
<td></td>
</tr>
</tbody>
</table>
**Inspect Action Maintenance**

| Crank Set | Every month: Check the crank set (crank arms, chain rings, and bottom bracket axle and bearings) is correctly adjusted and tight. Remove the primary chain | Replace cable. |

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**Hub Bearings**

Hub bearings require special thin wrenches called “cone wrenches”. If you do not own these tools, do not attempt hub bearing adjustments. Have a qualified bicycle mechanic perform the adjustment if you have any doubts.

1. Check to make sure neither locknut is loose.

2. To adjust, remove wheel from bicycle and loosen the locknut on one side of the hub while holding the bearing cone on the same side with a cone wrench.

3. Rotate the adjusting cone as needed to eliminate free play.

4. Re-tighten the locknut while holding the adjusting cone in position.

5. Re-check that the wheel can turn freely without excessive side play.
Inflating the Tire Tube

WARNING!
An unseated tire can rupture unexpectedly and cause serious injury or death. Be sure the tire is properly seated when inflating the tube.

CAUTION!
Over inflation or inflating the tube too quickly may result in the tire blowing off the rim and damage the bicycle or cause injury to the rider. Always use a hand pump to inflate the tube. Do not use a gas station service pump to inflate the tube.

Follow these steps to inflate a tire:
1. Remove the valve cap.
2. Add air.
3. Be sure the tire is evenly seated on the rim, both sides.
4. Spin the wheel and check for high and low areas.
5. Complete inflation.
6. Be sure the tire is evenly seated on the rim, both sides. If not release some air and repeat steps three through six.
7. Check for dirt in the valve cap or stem. If necessary, clean dirt from cap or stem.
8. Securely replace the valve cap on the stem.
Repairing a Flat Tire

⚠️ WARNING! ⚠️

An unseated tire can rupture unexpectedly and cause serious injury or death. Be sure the tire is properly seated when inflating the tube.

Follow these steps to fix a flat tire:

1. Match tube size and tire size (see tire sidewall for size).
2. Remove wheel from bicycle. Deflate tire completely.
3. Squeeze the tire beads into the center of the rim.
4. Opposite the valve, use a bicycle tire lever to pry the tire bead up and out of the rim. Repeat around the wheel until one bead is off the rim.
6. Carefully inspect inside of the rim and tire for the cause of the flat.
7. Inflate the tube ¼ full and place inside tire.
8. Insert the valve stem through valve stem hole in rim.
9. Start at the valve stem and install the first bead onto the rim. Repeat for the second bead.
10. Slowly inflate the tire, checking the tire is seated properly and not pinched as the tire is inflated.
11. Inflate to recommended pressure (see tire sidewall).
Limited Warranty and Policy on Replacement Procedures and Responsibilities

Your purchase includes the following warranty which is in lieu of all other express warranties. This warranty is extended only to the initial consumer purchaser for non-commercial use only. No warranty registration is required. This warranty gives you specific legal rights and you may have other rights which vary from state to state.

FRAME
Steel frames are guaranteed against faulty materials and workmanship for as long as the initial consumer purchaser has the bicycle, subject to the condition of the warranty listed below. Aluminum and dual suspension frames are guaranteed against manufacturing defects for a period of 5 years. If frame failure should occur due to faulty materials or workmanship during the guarantee period, the frame will be replaced. For frame replacement under this Pacific Limited Warranty, contact us, stating the nature of the failure, model number, date received and the name of the store from which the bike was received, at the address given on this page. Frame must be returned for inspection at customer’s expense. Please note: the fork is not part of the frame. A lifetime warranty on your frame does not guarantee that the product will last forever. The length of the useful life cycle will vary depending on the type of bike, riding conditions and care the bicycle receives. Competition, jumping, downhill racing, trick riding, trial riding, riding in severe conditions or climates, riding with heavy loads or any other non-standard use can substantially shorten the useful product life cycle. Any one or a combination of these conditions may result in an unpredictable failure that is not covered by this warranty. All bicycles and frame sets should be periodically checked by an authorized dealer for indications of potential problems, inappropriate use or abuse. These are important safety checks and are very important to help prevent accidents, bodily injury to the rider and shortened useful product life cycle.

PARTS
All other parts of the unit except Normal Wear Parts are warranted against defective materials and workmanship for a period of 1 year from the date of purchase by the initial consumer purchaser, subject to the Terms and
Conditions of the warranty listed below. If failure of any part should occur due to faulty materials or workmanship during the warranty period, the part will be replaced. All warranty claims must be submitted to the address below and must be shipped prepaid and accompanied by proof of purchase. Any other warranty claims not included in this statement are void. This especially includes installation, assembly, and disassembly costs. This warranty does not cover paint damage, rust, or any modifications made to the bicycle. Normal Wear Parts are defined as grips, tires, tubes, cables, brake shoes and saddle covering. These parts are warranted to be free from defects in material and workmanship as delivered with the product. Any claim for repair or replacement of Normal Wear Parts (grips, tubes, tires, cables, brake shoes and saddle covering) and missing parts must be made within thirty (30) days of the date of purchase. The warranty does not cover normal wear and tear, improper assembly or maintenance, or installation of parts or accessories not originally intended or compatible with the bicycle as sold. The warranty does not apply to damage or failure due to accident, abuse, misuse, neglect, or theft. Claims involving these issues will not be honored.

**CONDITIONS OF WARRANTY**

1. Your bicycle has been designed for general non-commercial transportation and recreational use, but has not been designed to withstand abuse associated with stunting and jumping. This warranty ceases when you rent, sell, or give away the bicycle, ride with more than one person, or use the bicycle for stunting or jumping.

2. This warranty does not cover ordinary wear and tear or anything you break accidentally or deliberately.

3. It is the responsibility of the individual consumer purchaser to assure that all parts included in the factory-sealed carton are properly installed, all functional parts are initially adjusted properly, and subsequent normal maintenance services and adjustments necessary to keep the bicycle in good operating condition are properly made. This warranty does not apply to damage due to improper installation of parts, installation of any kind of power plant or internal combustion engine, modification or alteration of the brakes, drive train, or frame in any way, or failure to properly maintain or adjust the bicycle.

**NOTICE:** Bicycle specifications subject to change without notice.

**PACIFIC CYCLE**
Fill out this record and retain it as well as your sales receipt as a record of your purchase and potential warranty claims.

Name:__________________________________________

Address: ______________________________________

State/City/Zip: _________________________________

Date of Purchase: ______________________________

Place of Purchase: ______________________________

Serial Number: _________________________________

Model Number: _________________________________

Date Code: _________________________________