

Torpedo7

2-in-1 Bike Trailer Owner's Manual



Please read this owner's manual completely before assembling or operating this product.

This product should be assembled by an adult.

Please keep this owner's manual for future reference.

Important Safety Information

Warning!

Note: This product is not a stroller and does not meet the safety requirements for strollers.

Failure to follow these warnings and assembly instructions could result in serious injury or death.

Immediately discard all plastic bags and plastic wrapping materials.

Maximum number of passengers is 2.

Maximum weight capacity for one child is 50 pounds or 22kg and for two children is 100 pounds or 45kg. (Passengers and cargo combined).

Never use this bike trailer if it becomes damaged.

To avoid serious injury, children should always wear the seat belts and shoulder straps.

Never leave children unattended in or around this product.

Never allow children to assemble, fold or disassemble this unit.

Accessories or parcels placed in the trailer may cause it become unstable.

Not for use with children under 12 months old. (Children must be able to support their own heads).

Before riding, check that all parts are assembled according to the manufacturer instructions.

Tyres should be inflated to 25-30 PSI for maximum comfort. Check tyre pressure before each use. Use a foot pump or hand pump to inflate tyres, as pressurized air hoses can cause over-inflation.

Periodically check all fasteners to make sure they are tight.

Clean trailer only with soap and water, do not use solvents.

Do not install a car seat or any other seating device not approved by the manufacturer, inside the trailer.

Do not allow any of the child's body, clothing, shoe laces or toys to come into contact with moving parts.

Make no modification to the bike trailer.

Safe Towing Tips

Make sure your bike brakes work properly, as braking distance is increased when pulling a trailer.

Allow extra clearance near curbs, signs, parked cars and other obstacles.

A bicycle with trailer attached requires a wide turning radius, do not turn sharply.

Children must wear an approved safety helmet when using this product.

Never remove protective canopy when pulling children in the trailer.

Always use the safety flag when using this trailer.

When pulling one child in the trailer, seat him/her in the centre.

Do not ride over curbs and avoid bumps and holes.

Always signal your turns.

Use extra caution when turning on uneven pavement, and going downhill.

Not for use at high speeds. Do not exceed (6km/h 10) mph for straight line and do not exceed 4.8km/h (3 mph) for cornering.

Slow for turns to prevent tip over.

Do not use this trailer at night.

It is recommended that you install a rearview mirror on your bike to check on children in the trailer.

Dress children appropriately to prevent them from getting cold/hot while in the trailer.

Protect against wind chill in cold temperatures and provide adequate ventilation and hydration during warmer temperatures.

Fully-assembled trailer



Parts List

Quantity

Part Description

Trailer Frame & sling seat with safety harness & tow bar	1
Canopy	1
40cm(16") quick release rear wheel	2
Trailer bike hitch	2
Swivel Wheel	1
Handlebar	1
Safety flag	1

Note: For your safety and the safety of your child, before attaching the trailer to your bicycle, it is recommended that your bike undergo a safety check by a qualified bicycle mechanic.

Assembly and Operating instructions

STEP 1 - Remove the trailer

Remove the trailer from the carton and check the contents against the parts list and image below (Fig. 1).



Fig. 1

WARNING: Immediately discard all plastic bags and plastic wrapping materials.

IMPORTANT: Do not remove the axle cap from the wheel axles until STEP 4.

STEP 2 - Open the frame.



Fig. 2



Fig. 3

Unfold trailer frame, remove all components from inside (Fig. 1). Lift both side panels into an upright position (Fig. 2). Insert QR snappins through the hole in frame and close the snap pin so the loop of the pin lock is over the pin shaft.

STEP 3 - Release the tow bar

1. Turn the trailer on its side so the hitch arm is along the top edge (Fig. 4).
2. Find the quick release pin that holds the tow bar in the tow bar bracket (Fig.5).
3. Open the loop of the quick release pin and remove the pin.
4. Rotate the hitch arm forward until it is seated in the U channel (Fig.6).
5. Re-install pin in front holes in the U channel and close the snap pin so the loop of the pin lock is over the pin shaft.



Fig. 4



Fig. 5



Fig. 6

STEP 4 - Install the wheels.

Wheels are held in place by a spring release system that holds the wheels securely and still allows them to rotate freely on their axles.

1. Take wheel in hand, locate hole in frame and position the axle to insert in the frame.
2. Press and hold black button on outside wheel centre.
3. Insert axle into frame and slide all the way in until it stops (Fig. 7).
4. Attempt to pull wheel from frame. If wheel should move, re-insert wheel into frame until it is completely locked in place. The wheel must not release until the button is pressed (Fig. 7).



Fig. 7

Note: Wheel installation is very easy, but wheels must be installed correctly. Make certain the axles are pushed all the way into the frame, so the latching system can engage. If the wheels do not lock in place, do not operate the trailer.

STEP 5 - Attaching the Four Season Cover.

1. Position the four season cover over the trailer where roll-up window is facing towards the front side of the trailer (Fig.10).
2. Secure the Velcro strips on the back of the cover to the rear of trailer first. Then continue with the sides of trailer.
3. Secure the Velcro material at the bottom front of the cover to the matching Velcro material on the lower front fabric panel (Fig. 11).



Fig. 10



Fig. 11

NOTE: The four-season cover is designed to keep passengers and cargo dry and warm in inclement weather. It also protects the passengers from flying debris. The four season cover can be rolled up to allow for added ventilation in hot weather. Hook and loop closures to keep the four season cover in place when rolled up.

WARNING: Never use the trailer without the four season cover. The front window or bug screen must be attached to protect children from flying objects.

STEP 6 - Install the safety flag

1. Find and assemble the 3 piece safety flag.
2. Flag pocket locates in trailer cabin fabric and insert flag in pocket as how (Fig.12 and Fig.13).
3. Remove flag before attempting to fold the Trailer.



Fig. 12



Fig. 13

Step 7- Attachment and Removal of Trailer Bicycle.

Tools Required: If your bicycle does not have a quick release rear wheel you will need an adjustable spanner or wrench to complete this step.

1. Loosen left side rear axle on adult bike to allow the hitch to attach to the frame. (Fig.14).
2. Position hitch over the Left rear axle of bicycle wheel (Fig. 15).
3. Tighten axle nut securely, testing to see the hitch is unable to pull loose.
4. Loop safety strap around frame and secure to D-ring on hitch arm (Fig. 16).

WARNING: Safety strap must attach to the bike frame when using this product in trailer mode. QR snap pin must be in place and locked before riding. Added weight of passengers, cargo or both will affect the handling characteristics of the bicycle to which it is attached!



Fig. 14



Fig. 15



Fig. 16

Removal of Trailer

1. Remove Safety strap by releasing D-ring.
2. Remove QR snap pin from hitch connection.
3. Pull trailer arm away from black hitch.
4. Black hitch attached to axle can remain with the bicycle for easy reattachment.

Note: Use correct tools to fit different bike rear wheel axle when it s not quick release axle for the bike.

STEP 8 - Using the 5 point safety harness.

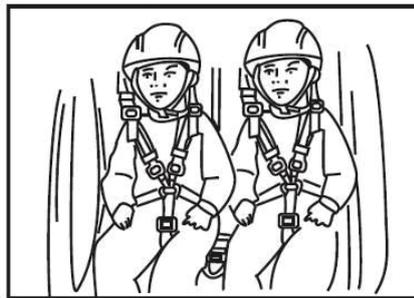
WARNING: To avoid serious injury from falling or sliding out, children should always wear the seat belt and shoulder straps. It may be dangerous to leave your child unattended. Never leave your child unattended in or near the bicycle trailer!

Using the 5-Point Safety Harness with Two Children

1. Unbuckle the shoulder straps from the center lap buckle.
2. Seat the child in the center of the passenger compartment.
3. Place the lap belt buckle between the child's legs.
4. Clip the shoulder straps into the lap belt buckle and adjust the shoulder straps.

IMPORTANT: Adjust the straps so that the crotch strap and shoulder straps meet at the child's stomach level, not at chest level!

**Proper use of
5-point safety harness
for two children**



Convert the Safety Harness for One Child

1. Start with the straps in the two children position. Unfasten the shoulder straps from the centre lap buckle on both sets of safety harness (Fig. 17).
2. Snap the left shoulder strap from the right set of safety harnesses into the centre lap buckle, then, snap the right shoulder strap from the left set of safety harness into the centre buckle.



Fig. 17

Note: By doing this you will be flipping the buckle prong on each strap, which will twist the shoulder straps (Fig. 18).

3. To un-twist the straps, undo the left shoulder strap from the right set of safety harness and change the direction of it, then reinsert into buckles. Repeat for the right shoulder strap from the left set of safety harness (Fig. 19). Now the safety straps are in the one child position as below Fig. 20).



Fig. 18



Fig. 19



Fig. 20

Use the 5-Point Safety Harness with One Child.

1. Unbuckle the shoulder straps from the centre lap buckle.
2. Seat the child in the centre of the passenger compartment.
3. Place the lap belt buckle between the child's legs.
4. Place the shoulder straps over the child's shoulders with the waist belt under the child's arms.
5. Clip the shoulder straps into the lap belt buckle and adjust the shoulder straps.

IMPORTANT: Adjust the straps so that the crotch strap and shoulder straps meet at the child's stomach level, not at chest level!

NOTE: The centre crotch strap will not be clipped to any shoulder straps.

Proper use of 5-point safety harness for one child



ATTACHING THE CONVERSION KIT

Remove the handle and swivel wheel from carton.

Remove the QR pin that is attached on the hitch arm, and insert the swivel wheel stud of the wheel into the receiver. Replace and lock the QR pin, making sure the wheel is locked in place.

Note: Check the swivel wheel periodically during and before each use to be sure it has loose. Failure to do so could result in serious injury to you or your child.



Fig. 21

Remove the back portion of the top cover. Loosen both knobs on each side of the handle.

Attach the handle to the side frame panels. Move the handles up and down on the frame until you find a height that is comfortable for you. Tighten the knobs on both sides.



Fig. 22

Folding for Storage and Transport

1. Release safety harnesses and allow passengers to exit the trailer.
2. Make sure to remove any items stored inside the trailer or in the cargo area behind the seat.
3. Unclip the tow bar safety strap from the “D” ring and remove pin, to remove hitch from frame.
4. Clip the end of the strap back on to the tow bar “D” ring.
5. Remove the flag and pole and separate the three sections.
6. Remove the quick release pins from the stub axles of the rear wheels.
7. Remove the quick release pin from the tow bar bracket at the front corner of the trailer.
8. Fold the tow bar back under the trailer and replace the quick release pin through the tow bar and U-channel.



Fig. 23



Fig. 24



Fig. 25

9. Place wheels and flag inside the passenger compartment and close the front cover.
10. Fold upper cabin as shown above:
 - a. Remove 4-season Rain cover
 - b. Remove QR pin from both sides
 - c. Fold frame down as shown (Fig. 24)
 - d. Fold in until trailer is flat (Fig. 25)

Note: Store trailer in a cool, dry environment, away from direct sunlight. After extended periods of storage, check tyres (tyres should be inflated to 25-30 PSI for maximum comfort) for wear or cracking, along with fabric and strapping for signs of wear. After extended periods of storage, it is recommended that the trailer is inspected by a qualified bicycle mechanic prior to use.

Trailer Maintenance

Your trailer will give you many years of service with minimal care. To ensure safe and dependable operation, we recommend the following regular maintenance procedures.

1. Before each ride

Check all fasteners to make sure they are tight. Tighten or replace if needed.

- a. Check to make sure that wheels are correctly and securely installed as described in the assembly instructions.
- b. Check tyres for wear and proper inflation as listed on tyre sidewall. Use only hand operated pump to avoid tyre damage. Under inflation or inflation can result in unsafe handling.
- c. Double check the hitch attachment, making sure QR pin is locked and safety strap is in place.
- d. Check harness straps for wear and make sure buckles lock properly.

2. Annual check-up.

Once a year or sooner if needed, have the trailer inspected by a qualified bicycle mechanic for signs of wear or needed adjustment.

3. As needed.

Trailer can be cleaned with mild detergent and water. Do not remove the seat or cover for washing. Do not use harsh chemicals or cleaners, as they may damage the fabrics or the frame materials or surfaces.