



# MODEL AST2 BIKE TRAILER

## Owner's Manual should be kept for future reference

1. Completely read and understand Owner's Manual before assembling or operating this product.
2. This product should be assembled by an adult

### IMPORTANT SAFETY INFORMATION

#### WARNING #1:

- 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 weight capacity for this trailer is two (2) children at 100 pounds, max payload!
- Never use this trailer/stroller if it becomes damaged!
- To avoid serious injury, children should always wear the seat belt and the shoulder straps!
- Do not install a car seat or any other seating device not approved by the manufacturer inside the trailer!
- A reflector that complies with CPSC regulations must be visible on the rear of trailer.
- Never leave children unattended in or around this product!
- Never allow children to assemble, fold, or disassemble this unit!
- Accessories or parcels placed in trailer/stroller may cause it to 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!  
Also, ensure that the trailer does not interfere with braking, pedaling, or steering of the bicycle!
- Do not allow any of the child's body, clothing, shoe laces, or toys to come into contact with moving parts!
- Make no modifications to the trailer!
- Tires should be inflated to 25-35 PSI for maximum comfort! Check tire pressure before each use!
- Use a foot pump or hand pump to inflate tires! Pressurized air hoses can cause over inflation!
- Periodically re-check all fasteners to make sure they are tight!
- Clean trailer only with soap and water. Do not use solvents!

**WARNING**

**WARNING**

### SAFETY TOWING TIPS

#### TOWING TIPS:

- Make sure your bike brakes work properly! Braking distance is increased when pulling a trailer!
- This trailer is wide! 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 in trailer mode!
- Never remove protective canopy when pulling children in the trailer!
- Always use the safety flag when pulling this trailer!
- Do not ride over curbs! 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 10 MPH!
- NEVER use this trailer at night!
- Install a rearview mirror on your bike to check on children in trailer!
- Dress children appropriately to prevent them from getting chilled or overheated while riding!  
Protect against wind-chill in cold temperatures, and provide adequate ventilation and hydration during warmer temperatures.

**WARNING**

**WARNING**



## FULLY ASSEMBLED TRAILER



## PARTS LIST

### QUANTITY

### DESCRIPTION

1

Frame w/ Canopy, Sling Seat with 5 point safety harness, tow bar, tow bar coupler and rear wheel bracket attached

2

16" Rear wheels

1

Safety flag



## TRAILER ASSEMBLY & OPERATING INSTRUCTIONS

**STEP 1:** Remove the trailer from the box and check contents against the parts list.

- NOTE(S):
1. Lay the trailer on the ground with the black fabric side down.
  2. Do not remove the white foam from the wheel axles until STEP 4



FIGURE 1.



FIGURE 1A.

**WARNING!** IMMEDIATELY DISCARD ALL PLASTIC BAGS AND WHEEL WRAPPING MATERIALS!

**STEP 2:** OPEN FRAME

Remove trailer and all components from carton. Unfold trailer by pulling the frame and remove all components from inside (Fig. 2).

- A. Lift both side panels into an upright position (Fig 2b).
- B. Insert QR Snap Pins through hole in frame and close the snap pin so the loop of the pin is over the pin shaft.



FIGURE 2.



FIGURE 2B.

**WARNING!** The spring-release pins must be engaged for safe operation of the trailer. Failure to Assemble properly may result in injury. If the spring-release pins do not engage properly, DO NOT USE. Call the customer service number as indicated in the attached literature for assembly assistance.

**STEP 3:** RELEASE THE TOW BAR

1. Turn the trailer on its side so the hitch arm is along the top edge [Fig. 3].
2. Find the quick-release pin that holds the tow bar in place in the tow bar bracket [Fig. 3a]
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. 3b]. 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.



FIGURE 3.



FIGURE 3A.



FIGURE 3B.



## WHEEL INSTALLATION

**WARNING!** Remove the foam from the wheel axles and discard immediately. Do not remove washers.

**STEP 1:** Lift the trailer back so the right side is up, and locate the right wheel.

**STEP 2:** Install the wheel axle by sliding the axle completely through the bracket in the frame as shown.

**STEP 3:** Insert the Quick Release Pin (tethered to the trailer frame near the wheel bracket) through the hole in the axle and lock the clip to secure the pin.

**STEP 4:** Repeat for the left wheel. When complete, give each of the wheels a tug to be sure that they are secure.

**NOTE:** Wheels must be properly installed with quick release pins closed and snapped shut. If QR pins are not correctly attached, wheels may fall off. Do not use if QR pins are missing, or if the closure is damaged or missing.



**WARNING!** Check wheels periodically during and before each use to be sure that they have not become loose. Failure to do so could result in **SERIOUS INJURY** to you or trailer's occupants.

## ATTACHING THE FOUR SEASON COVER

**STEP 1:** Position the four-season cover over the trailer where roll-up window is facing towards the front side of the trailer. (Fig.12).

**STEP 2:** Wrap the Velcro backed fixing straps and secure the cover around the frame.

**STEP 3:** Secure the Velcro material at the bottom front of the cover to the matching Velcro material on the lower front fabric panel.

**STEP 4:** Connect the slide release buckles affixed to the rear corners of the cover to the matching buckles sewn the rear side of the trailer cabin (Fig 13).

**STEP 5:** Connect the elastic cords on the rear cover to the D-Rings which are located on the bottom cabin corners



FIGURE 12.



FIGURE 13.

**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. Velcro closures 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.



## SAFETY FLAG INSTALLATION

**STEP 1:** Assemble the flag and insert the end into the small sleeve on the side of the trailer skin. Reattach the Velcro to secure the cover.

**NOTE:** Flag should be removed before attempting to fold trailer



**WARNING!** This flag is meant for use only with the trailer. This flag is not a toy. Do not let your child play with this flag at any time. Failure to comply with this warning could result in serious injury of your child.

## ATTACHING TRAILER TO BICYCLE

**WARNING!** Your trailer is designed to attach to most full-sized bicycles. The trailer's hitch must be attached to the rear axle of the bike. Do not use trailer if the hitch can not be securely attached to rear axle. It is recommended that the bicycle(s) to which the trailer will be attached undergo a safety check by a qualified bicycle mechanic before attaching trailer.

This trailer should never be used with electric bicycles, or any motorcycle or any motorized vehicle

**STEP 1:** Loosen LEFT side rear axle to allow the trailer's hitch to attach to frame.

**STEP 2:** Position hitch over left rear axle of bicycle frame (Fig15).

**STEP 3:** Tighten axle nut securely, testing to see that hitch is unable to pull loose (Fig16).

**STEP 4:** Loop Safety Strap around frame and secure to D-ring on hitch arm (Fig 17).



FIGURE 16.



FIGURE 17.

**WARNING!** Safety strap must attach to the bike frame when using this product in trailer mode.



## SECURING CHILD WITH 5-POINT SAFETY HARNESS

**WARNING!** To avoid serious injury, children should always wear the seat belt, shoulder strap, and a helmet!

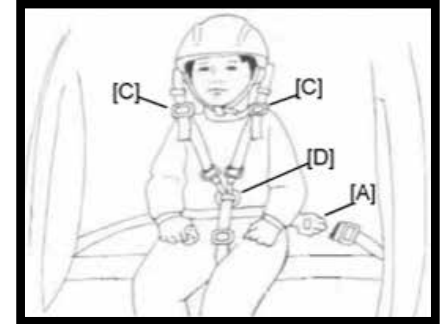
### FOR ONE CHILD:

**STEP 1:** Undo the lap belt buckle and seat the child in the CENTER of the trailer. Buckle the lap belt [A] over the child's lap, and pull the strap until the belt is tight.

**STEP 2:** Place the two center shoulder straps [C] over the child's shoulders, and clip both straps into "D" Ring [D] of the center crotch strap. Adjust shoulder strap height of the child, then pull the straps until they are snug.

**NOTE:** Clip the outer shoulder strap on either side into the "D" Ring of the outer crotch strap directly below. This will keep the straps that are not in use out of the way.

### ONE CHILD:



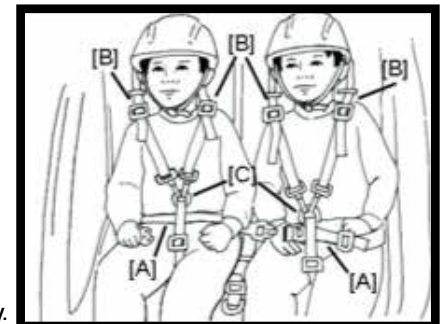
### FOR TWO CHILDREN:

**STEP 1:** Undo the lap belt buckle and seat the children in the Left & Right seats of the trailer. Buckle the lap belt [A] over each child's lap, and pull the strap until the belt is tight.

**STEP 2:** Place the two center shoulder straps [B] over each child's shoulders, and clip both straps into "D" Ring [C] of the center crotch strap. Adjust shoulder strap height of the straps until they are snug - you should be able to fit two average adult fingers between the belt and the child.

**NOTE:** The buckle should be centered in your child's abdomen. Hook the shoulder straps to the D-rings on the buckle and adjust the ladder locks so they fit snugly.

### TWO CHILDREN:



**WARNING!** Adjust the straps so that the crotch strap and shoulder straps meet at the child's stomach level, NOT at the chest level!

## REMOVAL OF TRAILER

**STEP 1:** Remove Safety strap by releasing D-Ring

**STEP 2:** Remove QR Snap from hitch connection

**STEP 3:** Pull trailer arm away from black hitch

**STEP 4:** Black Hitch attached to axle can remain on the bicycle for easy reattachment of the trailer.

## 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. Before each ride:

**STEP 1:** Check all fasteners to make sure that they are tight, and tighten or replace as needed.

**STEP 2:** Make sure that wheels are fully secure on the frame. Wheels must be fully inserted to lock in place.

**STEP 3:** Check tires for wear and proper inflation as listed on the tire sidewall. Use only hand-operated pump to avoid tire damage. Under- or over inflation can result in unsafe handling.

**STEP 4:** Double check hitch attachment, making sure that QR Pin is locked, and that safety strap is in place.

**STEP 5:** Check harness strap for wear, and make sure that buckles lock properly.

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

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





## FOLDING FOR STORAGE AND TRANSPORT

- STEP 1:** Remove children and all cargo from inside the passenger compartment.
- STEP 2:** Unclip the tow bar safety strap from the "D" ring, and remove pin to remove hitch from frame.
- STEP 3:** Clip the end of the strap back on to the tow bar "D" ring.
- STEP 4:** Remove the flag and pole and separate the three sections.
- STEP 5:** Remove the quick-release pins from the stub axles of the rear wheels.
- STEP 6:** Remove the quick-release pin from the tow bar bracket at the front corner of the trailer.
- STEP 7:** Fold the tow bar back under the trailer, and replace the quick-release pin through the tow bar and U-channel
- STEP 8:** Place wheels and flag inside the passenger compartment, and close the front cover.
- STEP 9:** 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.
  - d. Fold in until trailer is flat



**NOTE:** Store trailer in a cool, dry environment, away from direct sunlight. After extended periods of storage, check tires for wear or cracking, and 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.

## WARRANTY

IF YOUR PRODUCT REQUIRES WARRANTY SERVICE, PLEASE DO NOT RETURN IT TO RETAIL STORE.  
PLEASE CONTACT:

**ALLEN SPORTS USA**  
CUSTOMERSERVICE@ALLENRACKS.COM

Please note that all returns and exchanges are subject to the return policy of the retailer where the product was originally purchased



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