



TOMCAT LV, TOMCAT SOLO & TOMCAT TANDEM OWNER'S MANUAL



**ALWAYS WEAR A GOVERNMENT APPROVED FLOATATION DEVICE
WHEN KAYAKING.**

Know the limits of your ability and the limits of your equipment.

Changes in air temperature and elevation could cause the air inside the kayak to expand which may cause the AIREcells to burst. Always release some air when these conditions occur.

Never leave your kayak sitting in direct sunlight when it is out of the water.

Tomcat Series Kayak Includes:

- a: 1 - Tomcat LV, Solo or Tandem
- b: 1 or 2 - Tomcat Inflatable Seat(s)
- c: 1 - Repair Kit
 - d: 1 - Colored PVC
 - e: 2 - Grey PVC
 - f: 1 - Valve Wrench
 - g: 2 - Alcohol Prep Pads
 - h: 1 - Urethane Coated Nylon
 - i: 1 - Vinyl Tube Valve Adapter
 - j: 1 - Summit II Valve Adapter
 - l: 3 - Type B Patches
 - k: 1 - Sand Paper
 - m: 2 - Vinyl



Items Needed:

Pump

Set Up - Step 1: Inflate Kayak to Soft Pressure

Items Needed:

- 1 - Tomcat LV, Solo or Tandem
- 1 - Vinyl Tube Valve Adapter
- 1 - Summit 2 Valve Adapter
- 1 - Pump (not included)

1. Remove the dust cap from the valve.
2. Push and turn the valve stem 1/4 turn to the left. This positions the valve stem in the up or closed position. Having the valve stem in the closed position allows air to be pumped into the chamber and will prevent the air from escaping.
3. Connect the clear vinyl valve adapter to the pump hose and to the Summit 2 valve adapter.
4. Insert the Summit 2 valve adapter into the valve on the boat. A 1/4 turn to the right will lock the adapter to the valve.
5. Inflate the chamber to a soft pressure.
6. Repeat procedure for all chambers.

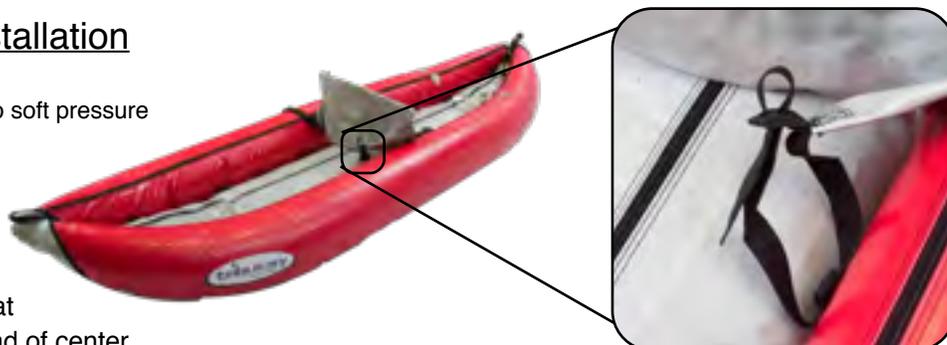


Set Up - Step 2: Seat Installation

Items Needed:

- 1 - Tomcat LV, Solo or Tandem inflated to soft pressure
- 1 - Inflatable Seat for Tomcat LV, Solo or
- 2 - Inflatable Seats for Tomcat Tandem

1. The seat can be positioned anywhere in the kayak. For the Tomcat Solo the recommend seat position is center or slightly ahead of center in the kayak. For the Tomcat Tandem space them so that each paddler is seated comfortably and the weight is evenly balanced.
2. Install the seat to the cargo loops by going down through the loop - up through the back opening of the buckle- down through the front opening of the buckle.
3. Attach the front corners of the seat - skip a cargo loop - attached the back corners of the seat - tighten.



Set Up - Step 3: Inflate the Seat

Items Needed:

- 1 - Tomcat LV, Solo or Tandem inflated to soft pressure
- Seat(s) installed in Kayak
- 1 - Vinyl Tube Valve Adapter
- 1 - Pump (not included)

1. Remove dust cap.
2. Connect the clear vinyl valve adapter to the pump hose.
3. Insert the the end of the valve into the vinyl valve adapter.
4. Inflate so the seat back is comfortable to lean against.
5. Cover valve end with dust cap.

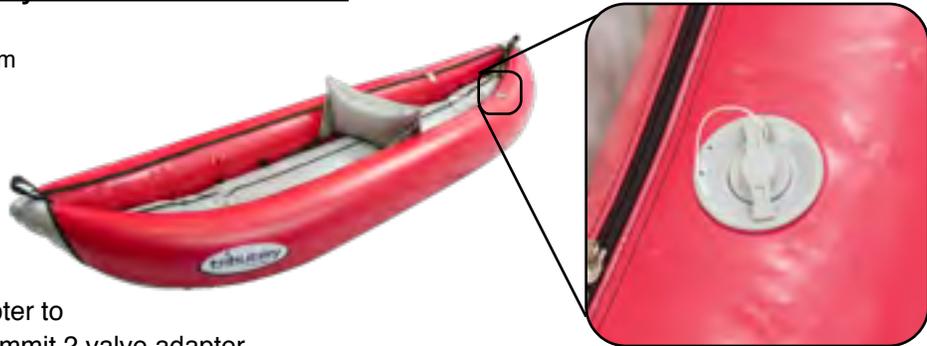


Set Up - Step 4: Top Off Kayak to Full Pressure

Items Needed:

- 1 - Fully Assembled Tomcat Solo or Tandem
- 1 - Vinyl Tube Valve Adapter
- 1 - Summit 2 Valve Adapter
- 1 - Pump (not included)

1. Use a hand pump to top off kayak to full pressure.
2. Connect the clear vinyl valve adapter to the pump hose and to the gray Summit 2 valve adapter.
3. Insert the Summit 2 valve adapter into the valve on the boat. A 1/4 turn to the right will lock the adapter to the valve.
4. Inflate the chamber to 2.5 psi, full pressure. A good rule for gauging the proper pressure is to push with your thumb at the center of the tube, when you can deflect about a half an inch from the top plane of the tube, it will be close to 2.5 psi.
5. DO NOT over inflate the kayak.
6. Cover valves with dust cap.



Deflation

1. Remove dust caps.
2. Depress the valve stem and turn it 1/4 turn to the right. This positions the valve stem in the down or open position and will allow air to escape freely from the chamber.
3. To deflate the seat, push the back of the cap into the end of the valve tube. This will open the valve and allow air to escape.



Transporting

To avoid excessive wear and extend the life of this kayak we recommend transporting it in an AIRE Kayak Bag or cover with clean, dry tarp. Do not load other equipment, particularly heavy or sharp objects, on top of the kayak. If you transport your boat in an open truck bed please make sure all sharp objects are removed, more boats are damaged in transport than on the water.

****VALVE CAPS SHOULD ALWAYS BE IN PLACE WHENEVER TRANSPORTING YOUR BOAT.****

Cleaning and Maintenance

Your inflatable boat is constructed with high quality materials and superior workmanship however, as with all outdoor equipment proper cleaning and maintenance will extend the use of the product and allow it to perform better. Most damaging to your inflatable boat are extended UV exposure, insect repellents, plus mold and mildew. To keep your boat performing its best please following these simple instructions.

- Do not set your boat on sharp objects.
- Do not over inflate your boat.
- Keep the zippers clean.
- Clean the boat with soap and water.
- Allow the boat to drain properly so it can be stored dry.

Storage

Short Term Storage - Allow to air dry, deflate and roll loosely

Long Term Storage - Store your boat dry and clean. After use, rinse off all debris and allow the boat to air dry on soft pressure and out of direct sunlight. Residual water inside the bladders/AIREcells will not damage the boat. Store the boat in a cool, dry place out of sunlight and away from exhaust fumes. If you store your boat inflated you should be able to pinch an inch of material.

Basic Trouble Shooting

1. Valve does not retain air when pump is removed.
 - Make sure that the valve stem is in the up and closed position.
 - Clear any debris that might be preventing the valve from sealing. This can be accomplished by either pumping quick bursts of air into the valve or removing the core valve assembly and cleaning the edge of the rubber diaphragm with a cotton swab and denatured alcohol.
 - Make sure that the core valve assembly is tight. Tighten valve if necessary.
2. Tube becomes soft after inflation process.
 - Determine which air chamber is soft. Make sure the valve is functioning correctly, with no signs of leaking.
 - Find the hole in the AIREcell and patch with the Tear Aid patch.
3. Tube is puckered or shows a void when inflated.
 - The AIREcell might be misaligned. Deflate the tube(s) and as they are brought back up to pressure, manipulate the tube(s) to free the AIREcell as it inflates. If this does not fix the problem, deflate the boat, open the zipper and adjust the AIREcell.
4. Zipper is difficult to operate.
 - Use a combination of soap, water and an old toothbrush to clean and clear the zipper of debris.
5. Tear Aid patch does not stick to AIREcell.
 - Make sure the area to be patched is dry and clean. Use the alcohol pad to prep the area, if necessary

Recommended Items for Repair Kit

This boat contains a starter repair kit that includes equipment for basic repair. Here is a list of items, not included, which you should strongly consider keeping with your repair kit at all times.

- *1/4 pint Stabond 2-part adhesive
- Scissors or knife
- Small paintbrush
- Roller
- MEK solvent
- Towel
- Duct tape
- Old toothbrush
- Popsicle stick or tongue depressor
- Standard Screwdriver
- Extra AIREcell is the ultimate extended trip repair item

*It is recommended that the glue be replaced every year or after use.

Repair Tips

Prior to opening the boat's zippers, make sure they are clean and clear of any debris so that they will operate freely, by cleaning the zippers with soapy water and an old toothbrush.

When patching the airecell, apply the patch to the outside of the airecell. When patching the PVC shell, apply the patch on the inside of the PVC. The airecell patch is for air retention. The PVC shell patch protects the airecell patch as well as prevents the hole from tearing further.

Adhesive Patch Repair

Items Needed:

Towel
Type B Adhesive Patch
Alcohol Prep Pad
Tear Aid instruction Sheet

For most repairs, the airecell does not need to be removed completely.

1. Locate the hole in the boat and access that area of the airecell and outer skin by opening the zipper.
2. Using a towel, dry the area to be worked on.
3. Clean area to be worked on with alcohol prep pad and let the area air dry.
4. Peel backing paper off Type B Adhesive Patch and apply patch over punctured area.
(See Tear Aid instruction sheet for more details.)
5. Press and rub patch so that the patch seals completely and is without bubbles.

Glue Repair

Items Needed:

Scissors or Knife	Stabond 2-part adhesive	Small Brush
Standard Screwdriver	Sand Paper	PVC Material or Urethane Material
Roller	Popsicle Stick	MEK or Alcohol Prep Pads

For most repairs, the airecell does not need to be removed completely. When patching the AIREcell, apply the patch to the outside of the airecell. When patching the PVC shell, apply the patch on the inside of the PVC.

1. Locate the hole in the boat and access that area of the AIREcell and outer skin by opening the zipper.
2. Using a towel, dry the area to be worked on.
3. Cut a patch of fabric at least two inches large in length and width than the puncture, hole, or tear.
4. Clean the area to be patched (using MEK or alcohol prep pads).
5. Rough up both the patch and the area to be patched with the sand paper.
6. After opening the 2-part adhesive, prepare the Stabond glue by pouring the entire contents of the glass jar into the metal can and stir using a popsicle stick or tongue depressor.
7. Apply an even coat of glue with a small brush to both the patch and the area to be repaired and let dry completely, approximately 10-15 minutes.
8. Apply a second coat of glue, and let dry 5 minutes or until tacky. If the glue is too dry, reactivate it with a small amount of cleaner.
9. Place the patch over the hole or tear, and press together. Using a roller or another blunt object press from the center of the patch to the edges to seal the patch to the AIREcell or outer skin. Make sure that the patch seals completely and is without bubbles.
10. Let the glue cure at least one hour before inflating (overnight if possible is best). Do not inflate to full pressure on the same day of the repair.

Extensive Repairs

If you have a major rip or tear in your boat that is beyond your abilities to repair, please contact AIRE at 800-247-3432 for a Return Authorization (RA) number. Please put a brief note with your contact information and a detailed description of the repairs necessary inside the box and ship the package to the address below with the RA number clearly written on the outside of the box. For your protection, please ship the boat with a service that provides a tracking number.

Warranty

This warranty covers defects in materials and workmanship only for a period of 1 year from the date of purchase for the original owner for non-commercial use.

AIRE reserves the right to determine whether to repair or replace any product covered by this warranty and the right to replace any discontinued models with current models when necessary. Colors may vary between original and replacement parts.

If you have any questions, please contact your nearest dealer or

AIRE

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