

AOAC Trailer Standard Operating Procedure

8' - 2.4m 8-10 Kayak Trailer

1 Specification and Equipment

Equipment: Spare wheel, tyre iron, bottle jack, wheel chocks (for jacking), air pump, WD40, wheel clamp, spanners 17mm and 13mm, canoe straps and 5 metre canoe lock. Spare light lens and bulbs.

Backup lighting board (affix to tail gate), lighting extension cable, axel stands and three ton jack are in trailer garage.

Weights: Trailer Unladen Weight (UW) with the above loaded = approx 250Kg

Kayaks = 20Kg each, associated kit set = 5Kg per set

Total with 8 kayaks = 450 Kg or total with 10 kayaks = 500kg

Legal maximum laden weight for unbraked trailer 750Kg

Tyres: Size 165 R 13 82T Trailer Tyre
Pressures 30 PSI - XX Bar

Service: Every 3000 miles.

2 Capacity and Configuration

Capacity: 10 kayaks up to 13' - 4m long (with extended lighting board)
Or 5 mountain bikes

Configuration: Kayaks - Container garage configuration:

Lower deck = 5 kayaks on edge using canoe upright bars.
Upper deck = 3 kayaks flat, cockpit down.

Kayaks - Maximum load:
Five kayaks on each deck using canoe upright bars.

The rear lighting board can be extend rearward by 600 and 950mm.

Mountain Bikes:

5 in side trailer goods compartment.

The rack system is totally removable and can be configured for any size of kayak up to 4m long. It is recommend for the various sizes of kayaks and mountain bikes that only the cross support bars are moved fore/aft to the desired position.

To carry mountain bikes remove the trailer goods cover, tail gate and internal divider, please leave in the store container.

3 Garaging Trailer

- Safety:
- a) Ensure that the area between the front of the container and the front of the building is clear of obstructions.
 - b) Ensure that you have a minimum of three people to move the trailer.
 - c) Ensure the ramps are correctly positioned, "locked" in around the lower container door bar locators and that the wooden support chocks are in place. Use yellow guide markers for ramp and chock positions.
 - d) Lift the load with your legs and with a straight back (safe manual handling).
 - e) Ensure you have adequate light.

- Procedure:
- a) Position ramps and wooden ramp supports.
 - b) Position two people at the front and one to rear of trailer.
 - c) Front people to take hold of tow bar and support frame, draw trailer forward to align wheels to ramp, brace against load and lower front of trailer - jockey wheel onto ground. The person at rear to check for wheel alignment and hold back load whilst trailer moves down ramps.

To garage the trailer reverse the procedure as above.

4 Loading

Safety: If the trailer is loaded / unloaded whilst unhitched from towing vehicle please lower the rear prop stands. Do not climb on the canoe frame.

Loading: Kayaks:

The short kayaks can be side loaded on the lower deck and rear loaded on the upper deck. Please secure with canoe straps as per normal roof rack. If you wish to carry boats between 3.5 and 4m long please lengthen the trailer by use of extending lighting board, lynch pins on support arms.

The equipment is stowed in the goods compartment, paddles in paddle bay, all other kit in dry bags in the other. The buoyancy aids, helmets, cagoules, spray decks and shoes must be stored in container 1 to dry out after use.

The lighting board can be dropped clear of the tail board by loosening the wing nuts and removing the first set of lynch pins on the lighting board extender arms. Please replace pins into holes when not in use.

Mountain Bikes:

Configure the trailer. Move the lower deck, rear cross bar to the rear of the trailer to allow for loading. Place bikes into trailer goods body in a three forward, two rear formation. Using canoe straps, strap the handle

bars to the front support cross bars, move the rear support cross bar to the saddles and strap into position.

5 Security

The wheel clamp, hitch lock and cover padlock must be used whenever the trailer is removed from the store and is parked unattended. Keys are on a white plastic container. Spare keys are in the dry store on a hook, please return immediately after use (this is the only spare set!).

Hitch lock: This is a Bradley hitch lock. When the trailer is in the garage container it does not need to be locked, so please put the lock barrel in the key container. To lock the trailer insert the lock barrel into the hole with the locator lug at bottom, turn anti-clockwise to engage the locator lug. Continue to turn anti-clockwise to lock, you may need to pull slightly to move the barrel towards you by 3mm to allow it to lock.

Wheel Clamp: Position the two feet around the tyre, then position the third by locating the locking bar through the locking tube. Select a locking hole to tightly hold the clamp around the tyre and push in the captive lock barrel.

Kayaks: Secure to trailer tow bar using 6m canoe lock.

Mountain bikes: Secure to trailer with canoe locks and each bike to another bike and or trailer frame using "D" locks.

6 Towing and Hitching

Hitching up:

- a) Please ensure that you ball hitch is clean, lubricate with WD40 (stored in the trailer) or similar light spray lubricant.
- b) Raise rear prop stands if lowered.
- c) Move trailer the ball hitch and select correct height with jockey wheel.
- d) Place secondary coupling chain over your ball hitch.
- e) Lift hitch release handle and lower trailer hitch onto ball, release hitch release handle. Check that the trailer hitch is securely fastened to ball hitch.
- f) Plug in lights and check all are working. Check number plate.
- g) Check the load is secure.

Towing: Please ensure you have adequate experience of towing a trailer of this size and reversing it, practice at the store if you are in experienced. Where possible please use a person the guide you whilst reserving. Do not exceed 60 mph.

Defects: Please report any defects to the Equipment Officer.

Drivers: Whilst the trailer is relatively easy to tow drivers should be competent in towing trailers of this size. It is recommend that people practice manoeuvring the trailer on the hard stand outside the store prior to taking to the road if in any doubt about their abilities.

7 Winter Storage

To avoid getting "flat spots" on the tyres, the weight of the trailer should be reduced. To achieve this please use the rear prop stands and place the axel stands under the rack framework to take the load.