



BOAT TRAILER MAINTENANCE MANUAL

Think Trailers, Think Swiftco.



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Trailers | Trailer Repairs & Service | Trailer Parts | Boat Fitting
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Congratulations and thank you for your purchase of a quality Swiftco Trailer.

We pride ourselves on supplying the highest quality trailers, designed and built for rugged Australian conditions. Like any vehicle, all trailers require maintenance. Adhering to this Maintenance Schedule will serve you with a quality SWIFTCO trailer you can trust for many years.

STEPS TO BOAT TRAILER FITTING

Boat Fitting

Steps to ensure correct fitting of boat to your new trailer:

1. Set winch post to length of boat

Measure from bow eye (where winch attaches to boat) to stern. Add 100mm to measurement. Set winch post roller accordingly to this measurement. Drop all wobble and keel rollers down to lowest position.

2. Set boat onto trailer

Sink trailer at boat ramp and hand winch boat onto trailer. If you have measures correctly in Point 1, stern of boat will be fitting 100mm past end rollers. This is best position.

3. Setting correct tow-hitch weight

Drive trailer off boat ramp and onto level/firm ground. At this point check and set the tow hitch weight using tow hitch scale. Use the ideal tow hitch for your trailer using format of trailer/boat length below.

Up to 4.4m:	50-70 kgs
4.5 to 5.5m:	90-110 kgs
5.6 to 6.5m:	120-150 kgs
6.6 to 7.6m:	150-220 kgs

Accomplish movement of weight by moving axle group front or back along the main frame. Moving axle group to back of frame will increase tow hitch weight, moving axle group forward will decrease tow hitch weight.

4. Adjust rear 6 pack rollers and keel rollers

Adjust the rear 6pack rollers inwards or outwards to get the keel of boat sitting flat on the keel rollers. Tighten Ubolts to the six pack rollers and adjust any keel rollers that are not touching the keel so that equal weight is on all keel rollers.

5. Adjust wobble/skid rollers

The purpose of wobble rollers/skids is to keep the boat stable and secure in upright position and assist in guiding boat to resting trailer position. The keel rollers are to take approx 80-90% of the boat weight, where the skids/wobble rollers are there to only take 10-20% of boat weight- take this into consideration, when adjusting wobble rollers/skids to make sure you are not taking any of the keel load off the role of the keel rollers.

6. Final set of winch carrier.

Re adjust winch carrier so roller sits just above the bow eye.

7. Secure boat to trailer

Use a turnbuckle and chain system from bow eye down to base of winch post. Also attach safety chain. Take strain off the winch so winch is taking little to no load. Note:- winch should never take load, winch should only used to winch boat onto trailer. Always strap rear of boat to trailer using ratchet strap attaching to tie down points on trailer

8. Check tyre pressure.

Make sure you have a firm ride. Too much air in tyres will give you a bumpy ride, Not enough air will provide a soft ride, however this is more unstable and possibly sway around corners. Play with tyre pressure to obtain optimum ride for your individual load. Getting correct tyre pressure will make a massive difference to how your trailer handles and tows.

9 Check Ubolts, wheel nuts and bearings

Bearings- Grab top of wheel, rock wheel back and forth towards and away from you to ensure no wheel bearing movement. Do this on regular occurrence to check bearings.

Ubolts- Tighten ubolts ensuring not to over tighten

Wheel nuts- Tighten wheel nuts as required. Good practice to use Lanox on wheel nuts on regular basis. This will help protect from salt water

Refer to guidelines on drawbar sticker.

Call with any enquiries on correct fitting your boat. Correct fitment will ensure an enjoyable and easy tow and launch/retrieval.

Or arrange a professional Swiftco boat fit by our experience boat fitters.

50km check.

Conduct these checks after your trailer has travelled with your boat for 50 kms

- All points above (under Boat Fitting) from Point 8
- Check and adjust handbrake cable as required- from rear of coupling to face of hand brake the hand brake lever should be approx. 10mm
- Check and adjust any wobble and keel rollers that may have moved

Service every 6 mths to 12 mths

As with any vehicle used on the road, trailers also require servicing to ensure compliance, safety and adherence to Swiftco warranty. We recommend booking in for our Swiftco service every 6-12 months dependant on usage/kms travelled.

Refer to downloads on our website for details of service requirements. Failure to get the trailer serviced will void the manufacturers warranty

General Trailer Maintenance

Prior to any tow please refer to following:

Check wheel bearings- as above

Check Ubolts- Ubolts can fail when put under duress , usually when wheel drop into potholes - crevices in the roadway along with reversing over curbs etc. This is a visual check for any cracking of galvanising on the bends along with checking that nuts are tight and evenly tightened. Any visual cracks, ubolts need to be changed out prior to moving trailer

Check hubs at boat ramp- On arrival at boat ramp prior to placing trailer in water, check each hub for heat. Do not sink trailer in water until hubs are at ambient temperature. Putting a hot hub in cold water will cause water ingress to hub due to pressure differential.

3. End of tow- Check heat of hubs, should be same on each side. If one hotter than other, suspect issue with bearing or breaking- refer to qualified mechanic to resolve.

4.Lanox frame- Use Lanox or equivalent every 6months for longevity of frame life.

WASHING TRAILER

Locations with high salt content and high humidity are prime for galvanizing finish to deteriorate very quickly. A high degree of care is required to slow the deterioration of the zinc.

Use soapy water and brush to remove salt residue off the galvanising after use.

Always wash out brake callipers with soapy water after each use to increase life of these items.

Ensure drain holes throughout trailer frame are kept clear and checked as a regular maintenance schedule. This will ensure trapped water in frame is cleared.

Using a sponge or rag, block the end of the main frame (see fig 1 below)

Using a hose insert at the front of the main frame (see fig 2 below). Flush the frame with clean tap water, this will flood the complete chassis including the cross members

The water will run out of all the drain holes in the cross members, cleaning out all salt water and residue. Run water for around 5 minutes.

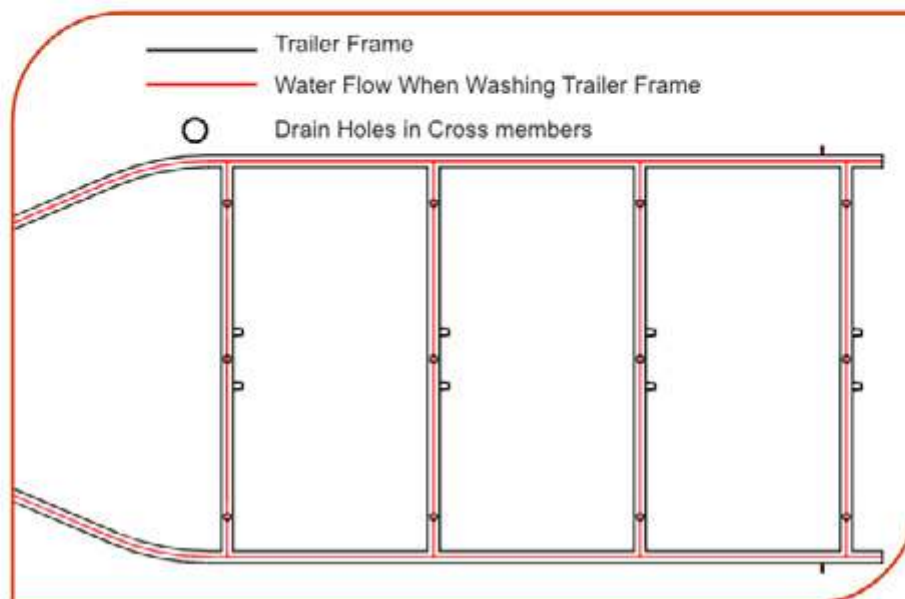
Failure to carry out the above cleaning process will greatly reduce the life expectancy of your trailer.



Block Trailer Frame End Here



Fill Trailer Frame from Here

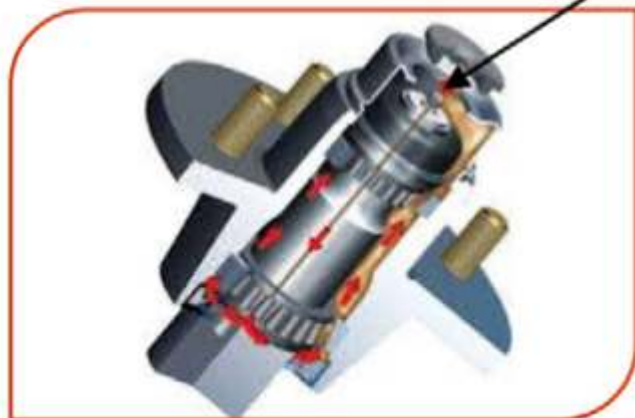


EZILUBE GREASE SYSTEM

Ezilube grease system is fitted to all our Swiftco Boat Trailers. Located at the end of the axle spindle is a grease nipple fitting. This allows you to lubricate the inner and outer bearings by having a pathway from the grease nipple on the end of the axle to the inner bearing. ... This causes the existing grease to be pushed toward the outer bearing and into the dust cap.

Prior to your trailer entering the water, it is important to wait until the hubs have cooled.

Grease Nipple at end of axle



WHEEL BEARING MAINTENANCE

As with any vehicle, it is good practice to get any trailer checked by a mechanic every 6 months to avoid costly on road costs. Alternatively book into Swiftco Trailers for an accredited Swiftco service. We strongly suggest a **Swiftco Service** every 6 - 12 months, failure to do so will void the trailer warranty.

Check wheel bearings and brake adjustment within the first 5km of using the trailer (as detailed under first 5km trip.)

Check and service wheel bearings every 3 -6 monthly for regular boat users

If the wheel does not rotate on the axle smoothly, replace bearings. This should be carried out by an authorised mechanic or by book in for an accredited Swiftco Service.

BEARING NUMBERS

SC-4000 (4.0 Metre) Outer Bearing # LM12749 - Inner Bearing # L68149 Water Proof Seal # C6692

SC-5000 (5.0 Metre) Outer Bearing # LM12749 - Inner Bearing # L68149 Water Proof Seal # C6692

SC-5500 (5.50 Metre) Outer Bearing # LM12749 - Inner Bearing # L68149 Water Proof Seal # C6692

SC-6000 (6.0 Metre) Outer Bearing # LM12749 - Inner Bearing # L68149 Water Proof Seal # C6692

SC-6900 (6.90 Metre) Outer Bearing # L68149 - Inner Bearing # L68149 Water Proof Seal # C6692

SC-7200 (7.20 Metre) Outer Bearing # L68149 - Inner Bearing # L68149 Water Proof Seal # C6692

SC-DOUBLE-JET-SKI Outer Bearing # LM12749 - Inner Bearing # L68149 Water Proof Seal # C6692

SC-JET-SKI Outer Bearing # LM12749 - Inner Bearing # L68149 Water Proof Seal # C6692

**FOR ANY ENQUIRIES REGARDING ANY MAINTENANCE
ISSUE OR QUESTIONS, PLEASE DO NOT HESITATE TO CALL.**

Swiftco Trailers 1300 95 95 80
Swiftco Spare Parts 07 5618 8118