

Voyager Trailers - Trailer Service Schedule

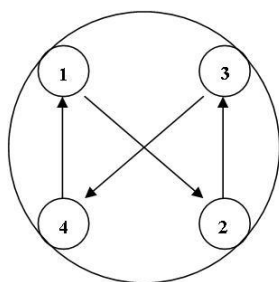
Because all new trailers are now issued with a 3 year Warrant of Fitness regular maintenance checks can be overlooked. It is important to regularly check your Trailer to ensure trouble free operation. Because Boat Trailers are immersed into salt water and sometimes parked in harsh conditions, serviceable items can deteriorate significantly between use. Your trailer should be inspected and serviced every six months, if you don't feel confident servicing or checking your trailer you should take it to an automotive mechanic or take it to the dealer that you purchased it from. Failure to service your trailer may affect warranty claims.

Quick reference guide for six-monthly trailer inspection and servicing

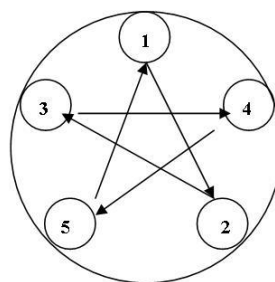
Wheel Bearings Ensure the park brake is on and or the wheels are chocked so that the trailer can't move. Attaching your trailer to a tow vehicle is another method to secure the trailer. Jack up one side of the trailer to allow the wheel/wheels to spin freely. **Spin each wheel to ensure that there is no bearing rumble or end play** – while spinning the wheels check the tyres for tread depth and wear. If there is any noise coming from the bearings these should be immediately replaced. If there is any end play, movement in the bearings tighten up sufficient to stop the movement – do not over-tighten. Re grease bearings and spin the wheels again to check for rumbling. If the bearings rumble replace immediately.

Wheel Nuts Wheel nuts should be checked regularly to ensure that each nut is fitted to the correct torque setting. With varying temperatures and forces during normal operation wheel nuts can loosen from their factory torque setting. It is essential that wheel nuts should be re-torqued manually with a high quality torque wrench after an initial run-in period of at least 50 Km. An impact / rattle gun if used, must only be used to "nip up" the wheel nuts (for speed). An impact gun should never be used to achieve the final wheel nut torque setting

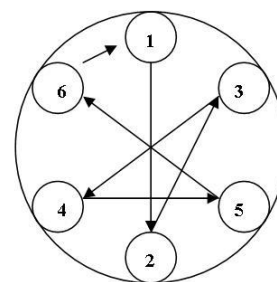
The correct nut torque sequence for the wheel must be used, to correctly and centrally locate the wheel on the hub of the trailer. **Torque settings must be checked at regular service intervals not exceeding six months.**



Four-Bolt



Five-Bolt



Six-Bolt

Torque Settings

Axle Rating	Stud Size	Steel Wheels	Alloy Wheels
1,500 Kg	7/16"	80Ft-lbs 108 Nm	90 Ft-lbs 120 Nm
1,500 Kg	½"	100Ft-lbs 135 Nm	120Ft-lbs 160Nm
2,000 Kg	½"	100Ft-lbs 135 Nm	120Ft-lbs 160Nm
3,000 Kg	½"	100Ft-lbs 135 Nm	120Ft-lbs 160Nm
3,500 Kg	½"	100Ft-lbs 135 Nm	120Ft-lbs 160Nm
3,500 Kg	9/16"	140Ft-lbs 190Nm	150Ft-lbs 200Nm

Tyres	<p>Ensure that the tyres have the correct inflation. The recommended tyre pressure is engraved on to the ID plate on the draw bar. If you can't read this there will be a maximum tyre pressure recorded on the wall of the tyre. Check tyres for signs of wear and damage. Ensure the spare tyre, where fitted, is also up to correct pressure. <i>Check tyre pressure prior to commencing any long trip.</i></p>
Brakes	<p>Where brakes are fitted, <i>check brake fluid level.</i> If fluid level is down top up to the maximum fill line on the inside of the master cylinder reservoir. If the reservoir needs topping up it will pay to visually check the brake lines for leaks. If any wet spots or leaks are found the trailer should be taken to an automotive mechanic or your local boat dealer for maintenance.</p> <p>Operate the brakes by activating the hand brake lever. This should feel firm and activate pad movement at the calipers. If the hand brake feels spongy, the brake lines may need bleeding buy a suitably qualified mechanic.</p> <p><i>Check pads for wear.</i> This can be done by viewing the thickness of the pads from the side of the brake caliper. If pads are worn fit replacement pads.</p>
Coupling	<p>With the trailer attached to the tow vehicle, <i>check the coupling for movement.</i> If there is excessive play on the tow ball check to see that the tow ball size matches the coupling. If there is excessive play this can be adjusted by tightening the bolt on top of the coupling where fitted.</p> <p><i>Grease the coupling every six months</i></p>
Lights	<p><i>Check lights for operation.</i> Now that LED lights are used these seldom need servicing but it is very important to check the light operation prior to any road trip.</p>
Springs	<p>Check the springs to ensure spring leaves are bound together and to ensure there are no cracked leaves within the spring. Visually check to ensure spring retaining fasteners are secure and not loose.</p>
Winch	<p>Check winch rope for wear and replace if necessary. Check winching hook for damage or wear, replace if necessary. Check safety chain to ensure U-Bolts are tight and chain is adequately secured. Check winch for operation to ensure spindle bushes are not worn. Spray winch drum and moving parts with a corrosion inhibitor regularly. Apply some marine grease to the drum gears and ratchet. <i>Lubricate and check winch rope regularly.</i></p>