

# Mangrove Jack



# Marine

## Mangrove Jack Series 2

Thank you for your purchase of the licensable "Mangrove Jack" trailer.

Be sure to review all three pages here for not only assembly instructions but other important information on loading, maintenance and use of your new trailer.

Please check all components before assembly.

### Trailer Components:

- 2 Wheels with mudguards (assembled)
- 1 Axle with triangular centre gusset
- 2 Long drawbars
- 2 Hull supports
- 1 Rear Roller
- 1 Front (or Centre) Roller
- 1 Hitch coupling with chain
- 1 Winch post with Compliance plate
- 1 Winch post mounting base
- 1 Trailer light board
- 8 or 9 Stainless Steel pins depending on options chosen (2x short pins are for the light board)

THIS TRAILER IS MANUFACTURED  
IN ACCORDANCE WITH THE LATEST  
TRAILER REGULATIONS VSB-1  
ENFORCED AS AT 19/2/2007.

### Assembly of the "Mangrove Jack" licensable trailer is very easy.

Each major component is assembled by matching up the red dots.

1. Slide front drawbar into rear drawbar matching red dots. Use short pin to secure.
2. Slide front roller to position on the drawbar & secure with pin.
3. Slide assembled drawbar into centre of axle housing, match dots.
4. Secure in place using a long pin & insert "R" clip.
5. Select wheel assembly marked with 1 dot. Pick this up with one hand under the outside top centre of mudguard, this will balance in your hand, slip onto end of axle.
6. Select hull support marked with single dot & place in carrier to desired height. Use long pin through housing & secure with "R" clip.
7. Repeat for the other side marked with double dots.
8. Slide rear roller into the back of trailer & secure with pin.
9. Slide winch post base onto front of drawbar angled away from vehicle.
10. Slide hitch coupling into front of drawbar & secure both with short pin.
11. Fit winch post and secure with pin.

**CHECK ALL PINS ARE SECURED WITH "R" CLIPS**



- **NOTE:** The 2 hull supports also have red dots for left and right. Mounted correctly the dots will face forward.
- **NOTE:** Should it be necessary to position your boat further onto the trailer to reduce rear overhang, the winch post can be reversed to face toward the vehicle. Reposition the winch to the opposite side. This will bring the boat up another 280mm. Check there is sufficient clearance between boat and vehicle.
- **NOTE:** When fitting the winch, the cable should be pulling horizontally from bow of boat. If the eye on the boat is too high for the winch- **DO NOT** keep winching or you will bend the trailer drawbar up to the boat.

**WARNING:** All stainless steel pins securing the chassis frame are to be locked with large “R” clips.  
**VERY IMPORTANT!**

### **Usage:**

- Positions for rollers and side hull supports are to be adjusted to your boat hull.
- The keel **MUST** sit on rollers.
- **The side hull supports are not designed to carry the whole weight of the boat. A gap of up to 15mm between the hull and slider is acceptable.**
- If wheels don't slide on easily or the drawbars not concertina smoothly check ends for a burr or dent. This will occur if axle bar or drawbars are dropped end on to concrete, bitumen etc. This is easily corrected using a file. And once again some form of lubrication should be applied. Candle wax is an excellent lubricant. In house we use **3in1 High Performance PTFE by WD40**. You may have some residue from the application of the PTFE. This will dry naturally or you can wipe it off. By wiping it off you will not be wiping off the lubricant, it will have already bonded to the alloy.
- The extending coupling should **always** be pinned in the **retracted** position for road use.
- Boat should always be **secured** to trailer with appropriate strapping or ropes. **NEVER** rely on bunji cords.
- If using ratchet style straps **DO NOT OVERTIGHTEN** or the hull supports may dent your hull.
- Holes have been provided at the top of the stub axle mountings. You can attach a shackle here for fixing of ropes or straps. Alternatively hook into unused holes in the hull support posts.

### **Light Bar Mounting to Mangrove Jack trailer:**

Flip up red poly sliders to vertical position and match mounting holes in light bar to holes in top of red sliders.

Fix with 2 stainless steel short pins and small “R” clips attached.

Light bar is mounted to trailer when towing without a boat, and mounted to hull when towing with a boat on the trailer.

### **NOTE: THIS IS IMPORTANT**

The slide on wheel housings are not to be left attached to the trailer for extended lengths of time as electrolysis may occur. This can cause corrosion between the metals.

In regular use apply PTFE, Candle Wax, INOX, DRY GLIDE or CRC etc as the lubricant to the inside of the housings. If wheel housings are left attached for longer periods, use a waterproof grease or similar.



**TIP: 1** - Candle wax should always be used on sliding or working alloy parts and bolt threads as this will prevent binding or seizure. The S.S. pins will also slide easier with a small amount of candle wax.

**TIP: 2** - Fresh water is your trailers best friend. Remove any salt and sand after use. A mild wash with car or boat wash will keep your trailer looking new.

**ACCESSORIES AVAILABLE:**

- Rear extension bar with roller (for longer boats)
- Caravan rear bumper brackets, these are universal bolt on and will carry the components of the trailer chassis and wheels. Made of aluminium with S.S. fixings, weigh just 3.5kg complete
- Winch. Compact lightweight model.
- Floppy roller & Pneumatic roller systems to carry inflatable and composite boats &/or to give a semi-suspension feature to the trailer.

**And more! Please ask us for your copy of our accessories brochure.**

**WARRANTY:**

3 months warranty is offered on workmanship and any defective parts.

Warranty does not cover **bent** or broken parts unless proven defective.

Due to the nature of the product we cannot control the usage of our trailers and or the methods employed to load boats.

This is a short range trailer designed for local town use. It is not designed for open highway transit mileage or off road use as it will cause too much wear and tear in the working joints, in particular the sliding wheel assembly to axle.

This trailer has been designed as the lightest possible licensable boat trailer and should remain within the boundaries of the limited use described above.

**Your Mangrove Jack Trailer was awarded 2<sup>nd</sup> place in the professional category at the 2006 West Australian inventor’s awards.**

**Your new trailer is regarded to be *the finest* portable boat trailer on the Australian market today.**

***“YOU WON’T BREAK YOUR BACK WITH A MANGROVE JACK”***

***\*\*\*\*\*happy travels\*\*\*\*\****

**Proudly an Australian Owned Family Business**

<b>Specifications</b>	
<b>Towing Length</b>	<b>3.3m</b>
<b>Extended Length</b>	<b>3.6m</b>
<b>Width</b>	<b>1.6m</b>
<b>Weight</b>	<b>38kg</b>
<b>Max Load</b>	<b>250kg</b>
<b>Speed Limited</b>	<b>100kph</b>
<b>Longest Single Piece</b>	<b>1.55m</b>
<b>Heaviest Single Piece</b>	<b>8kg</b>
<b>Licensable</b>	<b>YES</b>

