



# RAPPA



## LIGHTWEIGHT FENCING TRAILER HANDBOOK



We provide these instructions to help you get the best possible use of your trailer. To enable and ensure safe use, all users should read this document and follow the recommendations. Used correctly, and maintained to the standards in this handbook, your trailer will give you many years of safe and reliable service. If you have any questions about these instructions, or you want to fit any additional equipment to the trailer which involves welding, drilling, or any structural modifications, please contact Rappa directly.

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## IMPORTANT SECURITY INFORMATION

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If you sell this trailer, please pass this booklet onto the new owner.

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Your trailer's unique 17 digit VIN number is engraved in two places: on the trailer-plate located on the front offside chassis rail, located under the trailer body, and on the hitch-plate. Please make a note of the number below; it can be used to log your trailer on the National Caravan and Trailer Database and may be required for insurance purposes.

Type	Lightweight Trailer (CT50) R4
VIN	
Date purchased	___/___/_____
Technically permissible maximum laden mass	550kg
Technically permissible static load on coupling	75kg
Technically permissible maximum load on axle 1	550kg

## SAFETY

### THE FOLLOWING POINTS ARE VITAL TO ENSURE SAFE TOWING OF YOUR TRAILER

- Use an approved towing bracket and coupling ball on the towing vehicle.
- Always follow any recommendations for maximum trailer weights given in the towing handbook.
- Never exceed the maximum gross weight shown on the trailer plate
- Never exceed the recommended towing speeds.
- Check tyre pressures before every journey.
- Check wheel nuts after delivery, and subsequently monthly.
- Always make use of the breakaway chain.
- Always chock the wheels when the trailer is parked.
- Never exceed the maximum 75kg nose-weight for this trailer. It is advisable to distribute the load to achieve a nose-weight of between 50% and 75% of the maximum.
- When unhitching a loaded trailer, ensure the wheels are properly chocked.

**IT IS RECOMMENDED THAT THERE ARE NO CUSTOM ADAPTIONS MADE TO THIS TRAILER.**



## TOWING SPEEDS

Your trailer is fitted with wheels and tyres that comply with UK regulations and a maximum speed limit of 60mph on motorways and unrestricted dual carriageways, and 50mph on other unrestricted roads.

## BREAKAWAY CHAIN

The breakaway chain is designed to tether the trailer to the towing vehicle should the coupling become detached.

## COUPLING INSTRUCTIONS

Whenever possible, both the trailer and towing vehicle should be on level ground.

1. Check the condition of the breakaway chain and D-shackle, and ensure the towing ball is clean.
2. Reverse your vehicle up to the trailer so the coupling head is directly over the towing ball.
3. Attach the breakaway chain to the towing vehicle. Don't wrap the chain around the stem of the towing ball.
4. Pull the safety catch back and lift the handle on the coupling head to lower it onto the towing ball. Release the handle, ensuring the safety catch is clicked in place.
5. Test the coupling is engaged.
6. Connect the electrics and check the lights are operating correctly.

## GALVANISED FINISH

As a part of the normal ageing process galvanised surfaces form an outer layer of oxide. Exposure to road salt can change the appearance of newly galvanised surfaces. This does not affect the protective properties of the finish.

## TYRES

Tyre Size	Load Rating	Speed Rating
5.00 - 10	72	J

### Tyre pressure range:

- Recommended pressure 248 kPa, 36psi
- Maximum pressure 300 kPa, 50psi

Tyres must be maintained at the pressure indicted in this handbook. Under-inflation will adversely affect handling and fuel consumption and will lead to premature wear. If seriously under-inflated, a tyre will overheat and fail very rapidly.

When renewing tyres, always ensure that you purchase a tyre of the same size and load/speed index rating. This will be found on the side wall of the tyre. Different makes or models of tyres of the same size can have widely differing load/speed index ratings and inflation pressures. Use of a tyre with a lower rating can be dangerous. If in doubt, ask a tyre distributor.

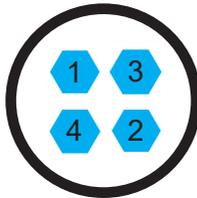
**DO NOT REPLACE WITH LOWER RATED TYRES.**

## TYRE REPAIRS

Punctures should be inspected and repaired by a specialist tyre distributor. **DO NOT** fit tubes to tubeless tyres as this can lead to a blow out in the event of a further puncture. If the tyre is too severely damaged for the repair to be carried out the tyre should be replaced.

## FITTING WHEELS

- Ensure wheel bolt threads and wheel seating surfaces are clean and dry - **DO NOT LUBRICATE BOLTS.**
- Place wheel over locating rim on the hub.



- Hand tighten each nut and then tighten to the torque figure given below, following the sequence shown in the diagram.

Nut Size: 4 x M10  
Torque: 65 lb ft, 88Nm, 9kgm  
Socket Size: 17mm A/F

**Wheel nuts should be checked after the first 25 miles of service and subsequently before every journey.**

## TORQUE SETTINGS

Wheel Nut	51Nm
Drive Sprocket	51Nm
Coupling Device	51Nm
Axle Fixing	25Nm

## SERVICE & MAINTENANCE

It is recommended that you have your trailer serviced and/or repaired by Rappa Fencing Ltd. Maintenance is the responsibility of the owner/operator and should be carried out according to the schedules below.

Frequency	Part	Check for	Action
Before every journey	Wheel nuts	Correct torque	88Nm (65 lb.ft) for 4-stud wheels
Before every journey	Lights	Check function	Rectify if necessary
Before every journey	Tyres	Correct pressure	Inflate to recommended (cold) pressure (see recommended tyre pressure)
Before every journey	Tyres	Cuts or damage - especially outer sidewalls	Consult tyre distributor if any damage found
Before every journey	Tow ball	Adequate grease	Grease as necessary
Before every journey	Breakaway chain and shackle	Check for damage / wear	Consult distributor or manufacturer
After the first 500 miles or 1 month (in addition to the above)	Wheel nuts	Check when nuts are specified torque	Retorque wheel nuts if required (88Nm)
After the first 500 miles or 1 month (in addition to the above)	Wheel hub	Check wheel hub for side play	Consult distributor or manufacturer if there is play

## 13 PIN SOCKET ASSEMBLY

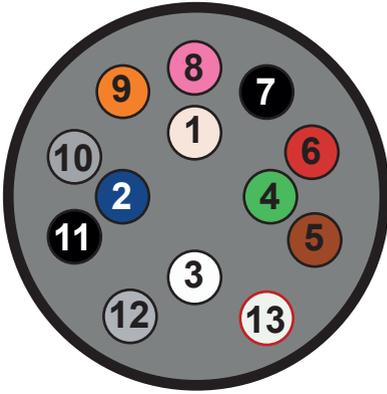
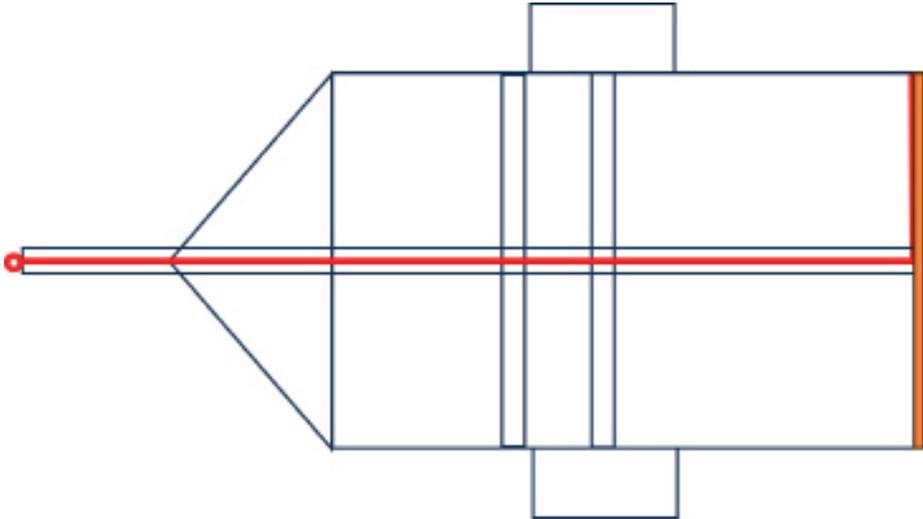


Diagram shows 13 pin wiring as fitted to **rear** of socket using corresponding numbers and colours shown

Contact No.	Function	Colour
1.	L/H Direction indicator light	Yellow
2.	Rear fog light	Blue
3.	Return for contacts 1 to 2 and 4 to 8	White
4.	R/H Direction indicator	Green
5.	R/H Rear position lights	Brown
6.	Stop lights	Red
7.	L/H Rear position lights	Black
8.	Reversing light	Pink
9.	Permanent power supply + 12v	Orange
10.	Switched power supply	Grey
11.	Return for contact 10	White / Black
12.	No allocation	No allocation
13.	Return for contact 9	White / Red

## LIGHTING BOARD

Electronic component locations and cables connecting them.



## TRAILER RUNNING GEAR MAINTENANCE

These procedures must be carried out by a competent person. If you have any doubts about your ability to complete any of the procedures, we recommend these tasks are performed by your local distributor or manufacturer.



# SPARES



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# SPARES

- A. Reflectors**  
Orange Round - PT215  
White Round - PT654
- B. Plastic Mudguard - PT642**
- C. Rear Light Board - PT643**
- D. Suspension Unit with Hub - PT646**
- E. Wheel and Tyre - PT645**
- F. Coupling Hitch - PT644**

Part no	Product description
PT644	Hitch
PT642	Mudguard
PT643	Lightboard
PT215	Orange side reflector
PT654	White side reflector
PT645	Wheel and Tyre
PT20	Sprocket cover



Please contact Rappa Fencing Ltd directly for assistance with maintaining your trailer and replacement parts. Scan the QR code, visit [rappa.co.uk](http://rappa.co.uk) or call us on 01264 810665.

rappa.co.uk - make the job easier



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Rappa Fencing Ltd  
Steepleton Hill | Stockbridge | Hampshire | SO20 6JE  
01264 810665 | sales@rappa.co.uk | rappa.co.uk