

RAPPA



SERIES 12 TILTBED MOBILE YARD HANDBOOK



We provide these instructions to help you get the best possible use of your Series 12 Tiltbed. 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 Series 12 Tiltbed 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 which involves welding, drilling, or any structural modifications, please contact Rappa directly.

IMPORTANT SECURITY INFORMATION

If you sell this Series 12 Tiltbed please pass this booklet onto the new owner.

Your Series 12 Tiltbed’s unique 17-digit VIN number is engraved in two places: on the chassis and VIN plate, both located on the front left-hand side of the yard just to the left of the drawbar. 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 | Series 12 Tiltbed Mobile Yard HR18 (R3) |
| VIN | |
| Date purchased | ___/___/_____ |
| Technically permissible maximum laden mass | 1800kg |
| Technically permissible static load on coupling | 73kg |
| Technically permissible maximum load on axle 1 | 1800kg |

SAFETY

THE FOLLOWING POINTS ARE VITAL TO ENSURE SAFE TOWING OF YOUR SERIES 12 TILTBED

- 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 bolts after delivery, and subsequently monthly.
- Always make use of the breakaway cable.
- Always engage the parking brake when the trailer is parked.
- Never exceed the maximum 100kg 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..

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

TOWING SPEEDS

Your Series 12 Tiltbed 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 CABLE

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

COUPLING INSTRUCTIONS

Whenever possible, both the Series 12 Tiltbed and towing vehicle should be on level ground.

1. Check the condition of the breakaway cable and karabiner, and ensure the towing ball is clean.
2. Reverse your vehicle as close to the trailer coupling head as you can and attach the breakaway cable to the towing vehicle. Don't wrap the cable around the stem of the towing ball.
3. Pull back the safety catch and lift the handle on the coupling head whilst lifting the Series 12 Tiltbed drawbar off the ground. Place the coupling head onto the towing ball. Release the handle ensuring the safety catch is clicked in place.
4. Test the coupling is engaged by attempting to raise it off the towing ball.
5. 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 |
|------------|-------------|--------------|
| 185/70 R13 | 106/104 | N |

Tyre pressure range:

- Recommended pressure 248 kPa, 36psi
- Maximum pressure 300 kPa, 44psi

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.

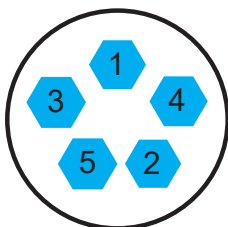
DO NOT REPLACE WITH LOWER RATED TYRES.

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.



Tighten each nut by hand and then further tighten to the torque figure given below, following the sequence shown in the diagram.

Nut Size: 5 x M16

Torque: 65lb ft, 88Nm, 9kgm

Socket Size: 24mm A/F

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

TORQUE SETTINGS

Wheel Nuts: 88 Nm

Axle retaining Nuts: 88 Nm

Hitch Nut: 88 Nm

USER GUIDE CHECK LIST FOR SERIES 12 TILTBED

Yard Deployment

| | |
|---|----------------------|
| 1 | Lighting Board |
| 2 | Pin and Latch |
| 3 | Winch up |
| 4 | Release catch |
| 5 | Drive forward |
| 6 | Lower bed |
| 7 | Remove wheel and fix |
| 8 | Drive away |

Yard Reployment

| | |
|----|--------------------------------------|
| 1 | Reverse to yard |
| 2 | Disconnect from vehicle |
| 3 | Attach steel castor |
| 4 | Lift trailer bed |
| 5 | Attach hook to yard |
| 6 | Engage winch |
| 7 | Start winching until engage catch |
| 8 | Disengage winch to release castor |
| 9 | Apply handbrake |
| 10 | Engage winch |
| 11 | Lower trailer bed |
| 12 | Fix pin and catch |
| 13 | Fix number plate |
| 14 | Release handbrake connect to vehicle |

SERVICE & MAINTENANCE

It is recommended that you have your Series 12 Tiltbed 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.

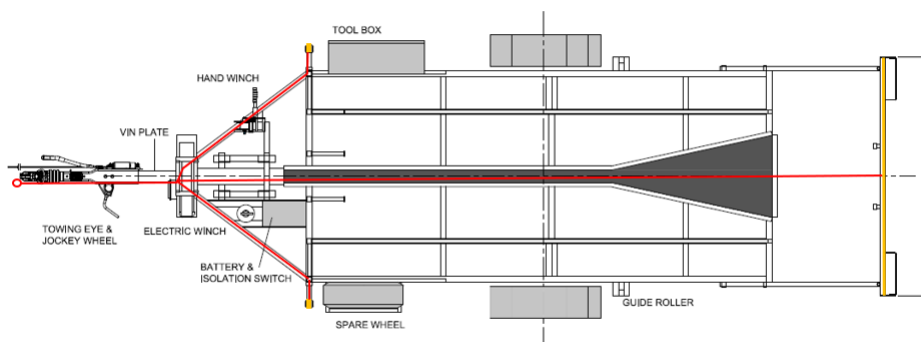
| Frequency | Part | Check for | Action |
|---|---------------------------------|---|--|
| Before every journey | Wheel nuts | Correct torque | 88Nm (65 lb.ft) for 5-stud wheels |
| Before every journey | Lights | Check function | Rectify if necessary |
| Before every journey | Tyres | Correct pressure | 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 cable and shackle | Check for damage / wear | Consult distributor/ 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 |
| After the first 500 miles or 1 month | Check / readjust braking system | Check for damage and wear | Readjust if required |

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.

LIGHTING DIAGRAM

Electronic component locations and cables connecting them.



13 PIN SOCKET ASSEMBLY

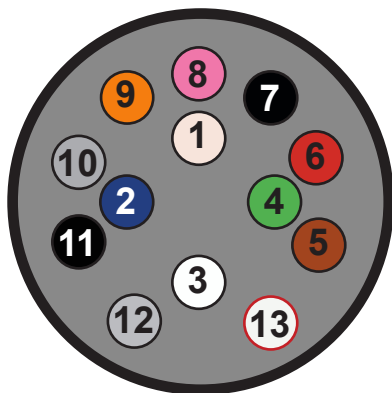
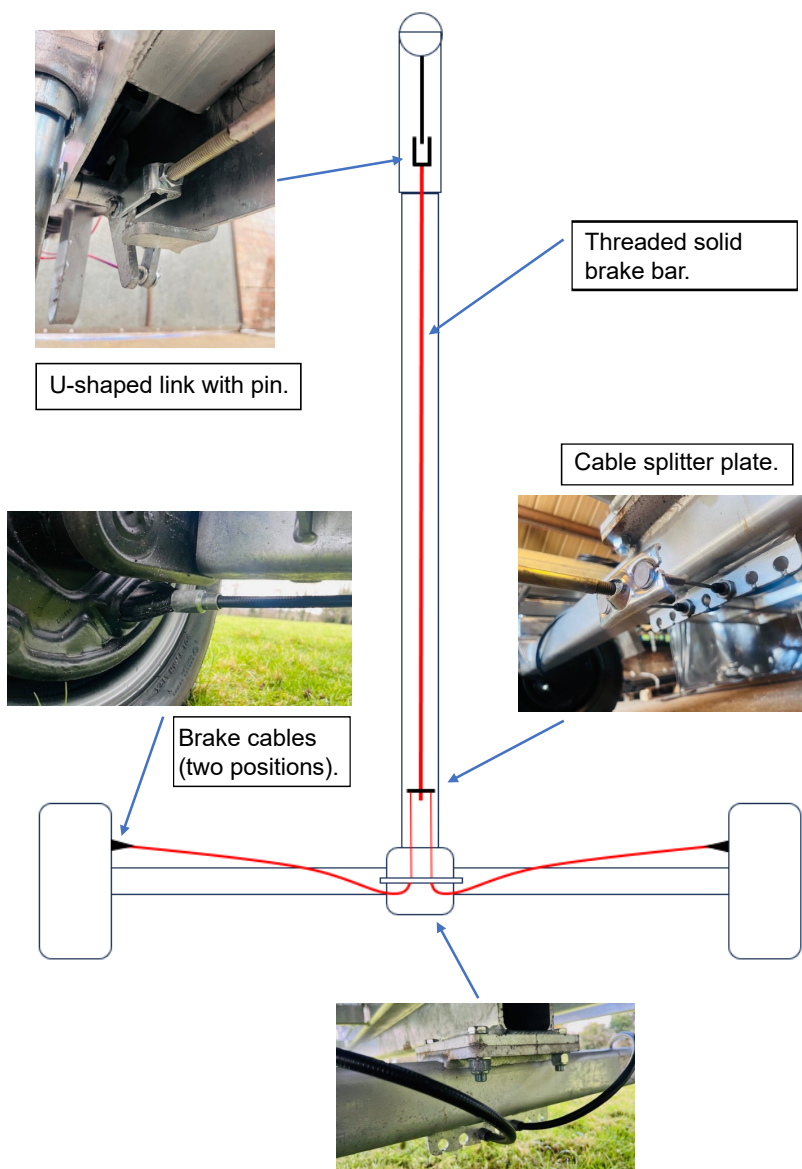


Diagram shows 13 pin wiring as fitted to rear of socket using corresponding numbers and colours shown.

| 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 |

BRAKING DIAGRAM



LODAR REMOTE INSTRUCTIONS



Instructions for TI "mini" Transmitter 2, 4 Function

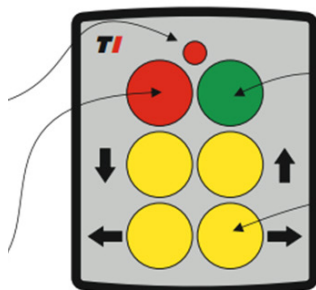
L.E.D.

Blinks when Transmitter and Receiver are active.

ON when a Transmitter Button is pressed.

Pulses while transmitting when battery is low.

STOP Button switches off the Receiver and the keypad function buttons



RESET Button activates the Receiver and the keypad function buttons

Yellow function buttons

Transmitter uses
2 x AAA Alkaline
batteries



SAFETY FEATURE

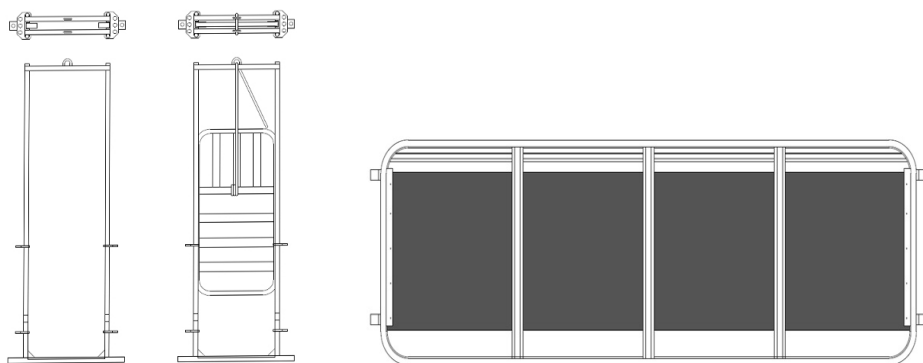
The Transmitter sends a STOP signal after 30 minutes; this de-activates both the Receiver and the Transmitter.

SET UP

To watch a short video on how to set up your Series 12 Tiltbed, scan the QR code or click on the Advice Centre on the Rappa website - **rappa.co.uk** - where you can also find product information and advice.



COMPONENTS



All mobile yard components are listed on the Rappa website, scan the QR or visit **rappa.co.uk**

Please contact Rappa Fencing Ltd directly for assistance with maintaining your mobile yard and replacement parts. Call 01264 810665.



SPARE PARTS



A. Rear Lightboard - RY300908

B. Mudguard
Nearside - RY300745
Offside - RY300746

C. Jockey Wheel - RY300220

D. Braked Hitch - RY300906

E. Front Light and Reflector Stalk
Nearside - PT213
Offside - PT214

F. Wheel and Tyre - RY300905

G. Reflectors
Orange Round - PT215
White Round - PT654
Orange Rectangle - RY300221

H. Front Light Socket and
Curly Lead - RY300909

I. Yard Hub and Stub Axle - RY300307

J. Brake Cable Pair - RY300903

K. Brake Shoe Kit - RY300901

L. Bearing Kit - RY300902

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