

WHEEL REMOVAL TROLLEY 1500KG CAPACITY

MODEL NO: LWD15

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.

1. SAFETY



BEFORE OPERATION

Before operating, adjusting or servicing the machine, it is important that each operator carefully reads the operating instructions.



DURING OPERATION

Always use the locking mechanism which locks the lifting rollers in position before manoeuvring the loaded wheel changer.



DURING OPERATION

Danger from unsecured load. The operator must ensure that wheels to be carried by the machine are correctly loaded and supported in accordance with the operating instructions.



DURING OPERATION

Potential slip/fall hazard. Never stand or ride on the wheel changer when working with the machine.

- ✓ At least two people are required to assemble the trolley.
- ✓ Ensure that the vehicle to be worked on is safely supported on axle stands.
- ✓ Ensure that the trolley is in sound condition and good working order before use.
- ✓ Keep trolley clean for best and safest performance.
- ✓ Only use the trolley on firm, level, unobstructed surface which is capable of supporting the trolley and wheel.
- ✓ Ensure there is no risk of pinching in between moving parts.
- ✓ Ensure work area has adequate lighting.
- ✓ Keep work area clean and tidy and free from unrelated materials.
- ✓ Keep children and unauthorised persons away from the work area.
- ✓ Ensure all non essential personnel keep a safe distance when the trolley is in use.
- * **DO NOT** overload the trolley - maximum capacity is 1500kg.
- * **DO NOT** allow untrained persons to operate the trolley.
- * **DO NOT** allow anyone to ride on the trolley.
- * **DO NOT** use on tarmac as it may sink under load.
- * **DO NOT** drive the unit over edges, rough surfaces etc. when loaded, as the whole unit may overturn.
- * **DO NOT** use trolley for purposes other than for which it is designed.
- * **DO NOT** operate the trolley when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- * **DO NOT** make any alterations to this device.
- ✓ Always stand and operate the wheel trolley from behind Upright Tube (4), see fig.1. Always move the Wheel Trolley using one Handle (20) in the socket on the left hand side (as viewed in the fig.1 position) and the other Handle (19) in the Socket above Lowering Pedal (A), see fig.2.
- ✓ Push the wheel as far onto the rollers as possible.
- ✓ Ensure that the load can not tilt whilst lowering or moving.
- ✓ Lower the wheel and secure it with the wheel support before transporting.
- ✓ It is of the greatest importance for safety that the wheel trolley is secured by the locking mechanism on the nearest hole before manoeuvring the unit. If the lock is not used, the wheel trolley could come apart while carrying the load and the wheel could tip out.
- ✓ Maintain correct balance and footing when moving trolley and ensure that the floor is not slippery.
- ✓ Wear suitable clothing to avoid snagging. **DO NOT** wear loose jewellery and tie back long hair. A full range of personal safety equipment is available from Sealey.
- ✓ Replace or repair damaged parts. Use only recommended parts. Unauthorised parts may be dangerous and will invalidate the warranty.
- ✓ Use a competent person to lubricate and maintain the trolley. **DO NOT** use brake fluid to top up hydraulic unit. Use approved hydraulic oil only.
- ✓ When not in use store trolley, fully lowered, in a safe, dry, childproof area.
- **WARNING!** Failure to comply with these instructions may result in loss of load, damage to trolley or other property and/or personal injury.

2. INTRODUCTION

Eight adjustable rollers (4 each side) allow for easy turning of large deep tread tyres. Extra large jacking handle and hydraulic foot pedal allows for one man operation. Safety bar with composite guard goes around wheel to ensure stability during transportation.

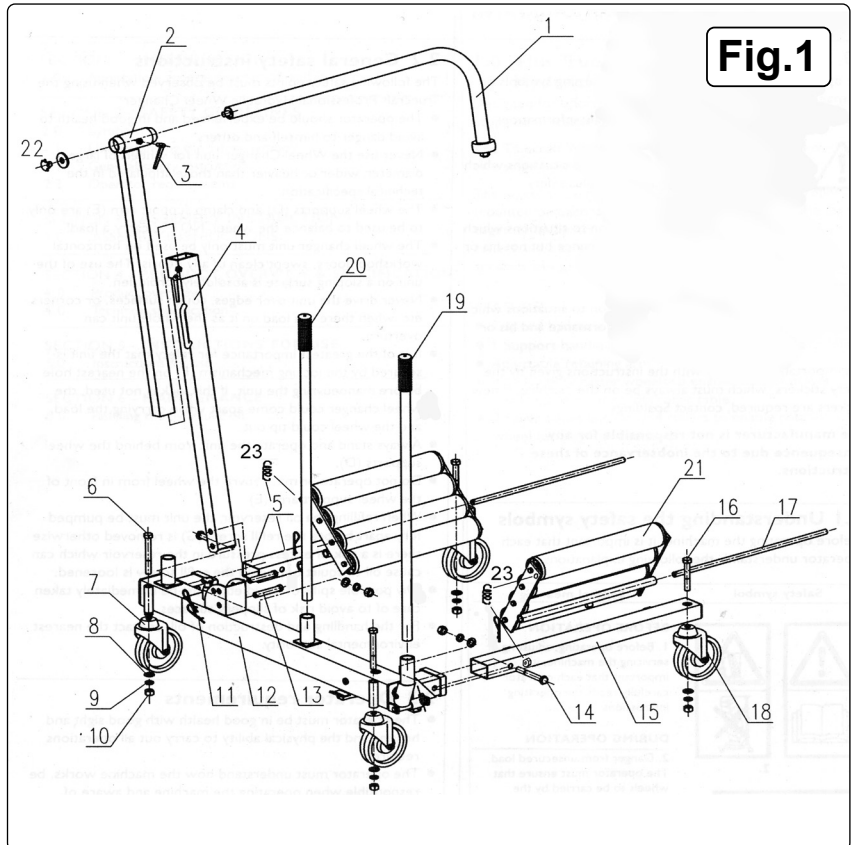
Locking mechanism allows rollers to be fixed at eight pre-set positions. Mounted on two locking casters and two non-locking for improved stability and easy manoeuvrability. Ideal for use on agricultural and commercial wheels and tyres.

3. SPECIFICATION

Model No:.....**W1200T.V3**
Maximum Lifting Capacity:..... 1500kg
Minimum Wheel Ø:..... Ø1000mm
Maximum Wheel Ø:..... Ø2000mm
Roller Length:..... 490mm
Minimum Lifting Height:..... 0.1mm
Maximum Lifting Height:..... 750mm
Overall Size (W x D x H): 1300 x 1015 x 1500mm

4. ASSEMBLY LIST

Part	Description	Quantity
1	Clamp support arm	1
2	Sliding tube	1
3	Adjustment clamp	2
4	Wheel support	1
5	Support frame (left)	1
6	Bolt M16x130mm	2
7	Braked castor	2
8	Flat washer 16mm	6
9	Spring washer 16mm	6
10	Nut M16	6
11	R clip	4
12	Frame	1
13	Pin	2
14	Bolt M16x110mm	2
15	Support frame (right)	1
16	Bolt M16x100mm	2
17	Mounting bar	2
18	Castor	2
19	Handle	1
20	Handle	1
21	Roller table	2
22	Handwheel + washer	1
23	Spring	2



5. ASSEMBLY

- 5.1. Refer to fig.1.
- 5.2. Ensure that at least two people assemble the trolley.
- 5.3. Fit support frame (left) (5) to frame (12). Use bolt M16 x 110mm (14), flat washer 16mm (8), spring washer 16mm (9) and nut M16 (10).
- 5.4. Fit support tube (right) (15) to frame (12). Use bolt M16 x 110mm (14), flat washer 16mm (8), spring washer 16mm (9) and nut M16 (10).
Note: Support frames are not handed. Ensure warning symbols are upwards and visible on trolley.
- 5.5. Fit braked castors (7) to frame (12). Use bolt M16 x 130mm (6), flat washer 16mm (8), spring washer 16mm (9) and nut M16 (10).
- 5.6. Fit unbraked castors (18) to end of support frame (left) (5) and support frame (right) (15). Use bolt M16 x 100mm (16), flat washer 16mm (8), spring washer 16mm (9) and nut M16 (10).
- 5.7. Fit roller tables (21). Get one person to hold table whilst other inserts mounting bar (17) with R clip hole end going in first. Secure with R clips (11).
- 5.8. Fit roller table tension springs (23). Insert top end of spring into hole on end of roller tables (21) and the other end of the spring into nut welded onto the inner edges of support frame (right) (15) and support frame (left) (5).
- 5.9. Fit wheel support (4) to frame (12) with handle to rear. Use pin (13) and R clip (11). Ensure R clips are on outside of frame as shown in fig.1.
- 5.10. Insert clamp support arm (1) into sliding tube (2), (remove hand wheel and washer (22) first), tighten clamp (3). Insert into wheel support (4), tighten clamp on wheel support (4).
- 5.11. Insert handles (19 and 20) into sockets shown in fig.1.
- 5.12. PURGE HYDRAULIC SYSTEM**
 - 5.12.1. Open the release valve by pressing down the lowering pedal (Fig.2).
 - 5.12.2. Pump the handle a minimum of twenty full strokes.
 - 5.12.3. Close the release valve by lifting the pedal back to its highest position.

6. OPERATION

6.1. USING THE WHEEL CHANGER TO REMOVE A WHEEL Refer to fig.2

- 6.1.1. Position the vehicle on a suitable horizontal floor and apply the brake.
- 6.1.2. Jack up the axle of the wheel to be changed with a suitable jack, so that it is clear of the floor. Secure with axle stands.
- 6.1.3. Press down the lowering pedal (A).
- 6.1.4. Pump the wheel changer apart with the pump lever (C).
- 6.1.5. Adjust the wheel support (D) so that the clamp support arm (E) is positioned over the wheel to be handled.
- 6.1.6. Push the wheel changer unit under the wheel so that the roller tables are positioned either side of the wheel and that the wheel sits up against wheel support (D).
- 6.1.7. Check that the lowering pedal (A) is in its uppermost position. Pump the unit together until the wheel and the unit cannot glide apart.
- 6.1.8. Lower the clamp support arm (E) behind the wheel and adjust until the wheel is vertical and can be moved approximately 5cm sideways. This will allow the wheel to be rotated in the wheel changer when relocating wheel studs. Lock the clamp support arm in position by tightening adjustment clamps (I and J).

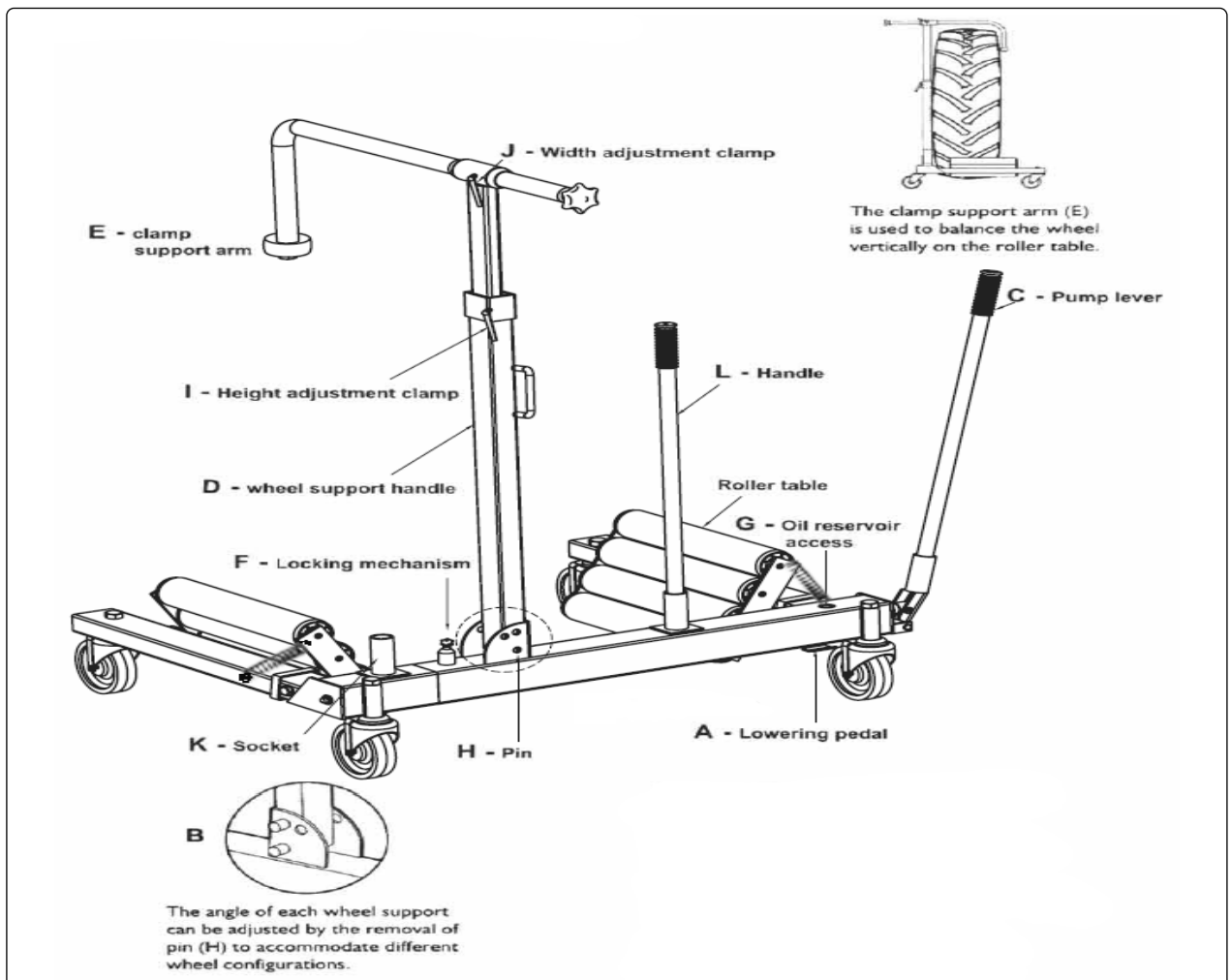
Note: the angle of the wheel supports can be adjusted by the removal of pin (H) to accommodate different wheel configurations, see fig.2.B.

□ **WARNING! Wheel support (D) and clamp support arm (E) are only used to balance the wheel NOT to carry a load!**

- 6.1.9. Lift the wheel by pumping the lever (C). When the wheel is positioned on the unit the wheel changer must be secured in the lifting position with the locking mechanism (F).
- ▲ **IMPORTANT:** Ensure that the locking mechanism (F) is secured through the nearest location hole on the inner member. This prevents unintentional lowering of the wheel while it is being handled.
- 6.1.10. With the wheel nuts removed the wheel can now be safely carried away on the wheel changer.
- 6.1.11. Put pump lever (C) into socket (K). Use with handle (L) to push the wheel changer.

6.2. UNLOADING THE WHEEL CHANGER Refer to fig.2.

- 6.2.1. When the wheel is located on the wheel studs and secured with the wheel nuts or the wheel has been moved to a place for storage, the wheel can be released.
- 6.2.2. Loosen clamp support (E) by releasing adjustment clamps (I and J).
- 6.2.3. Lift and release locking mechanism (F).
- 6.2.4. Press down the lowering pedal (A). Pump apart the wheel changer with the pump lever (C).
- 6.2.5. Adjust the wheel support arm (E) so that it does not catch on the top of the wheel before manoeuvring the wheel changer clear of the wheel.



7. MAINTENANCE

- 7.1. **Daily:** Check for damage and fluid leaks.
- 7.2. **Every 8 working hours:** Check hydraulic oil level. Remove the oil reservoir filler plug, fig.2.G, and check the oil level. Top up as necessary using approved hydraulic oil only. Correct oil level should be at the bottom of the threads of the oil reservoir filler plug aperture.
- 7.3. **Monthly:** Lubricate moving parts and check for abnormal wear and tear.

▲ **IMPORTANT: NO RESPONSIBILITY IS ACCEPTED FOR INCORRECT USE OF THIS PRODUCT.**

8. TROUBLESHOOTING

- 8.1. Roller tables will not extend to their full width - low hydraulic level. Check and fill see section 7.1.
- 8.2. Pump lever ineffective - hydraulic oil level too high. Check and drain see section 7.1.