

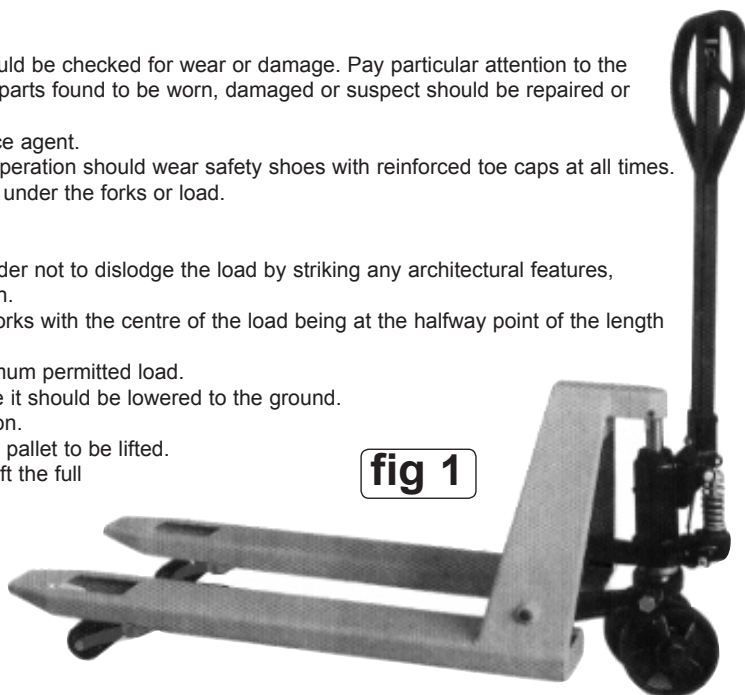
Thank you for purchasing a Sealey product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.



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. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

- X Do not use a faulty or damaged truck.
- ✓ Before using the truck all parts and working mechanisms should be checked for wear or damage. Pay particular attention to the wheels, handle and fork lifting and lowering mechanism. Any parts found to be worn, damaged or suspect should be repaired or replaced before the truck is used.
- ✓ All repairs must be carried out by an authorised Sealey service agent.
- ✓ Personnel who operate the truck and those in the vicinity of operation should wear safety shoes with reinforced toe caps at all times.
- X Never place any part of your body in the lifting mechanism or under the forks or load.
- X Do not allow others to ride on the truck.
- X Do not lift or move unstable or loosely stacked loads.
- ✓ Take special care when moving long, high or wide loads in order not to dislodge the load by striking any architectural features, permanent fixtures, vehicles or people in the area of operation.
- ✓ Always ensure that the load is evenly distributed across the forks with the centre of the load being at the halfway point of the length of the forks.
- X Do not overload the truck - refer to the specification for maximum permitted load.
- ✓ If a load is left unattended even for a very short period of time it should be lowered to the ground.
- ✓ When not in use the truck should be left in the lowered position.
- ✓ Ensure that the width and length of the forks is correct for the pallet to be lifted.
- ✓ Ensure that the truck is sufficiently inserted into the pallet to lift the full width of the pallet.
- ✓ Use the truck on level, flat, hard surfaces.
- X Do not use truck on sloping or uneven ground and do not attempt to negotiate curbs, steps or ramps.
- ✓ The operator of the truck must be physically capable of controlling the load selected; particularly in relation to stopping a rolling load.



2. INTRODUCTION & SPECIFICATION

Introduction. The PT1150 and PT1220 pallet trucks feature heavy gauge steel construction and drop forged control arms providing strength and durability. The quality hydraulic system can be easily stripped for maintenance and features hand or foot operated lowering with speed control valve for a controlled descent. Polyurethane wheels allow smooth rolling even when fully laden and fork end rollers permit easy access over pallet struts.

Specification.	Model No.	PT1150
Capacity		.2000kg
Total Lift Height (H2)		193mm
Lowered fork height (H1)		85mm
Fork width		160mm
Fork length (L)		.1150mm
Width over forks (W)		550mm
Fork wheel diameter		80mm
Truck Weight		.78kg

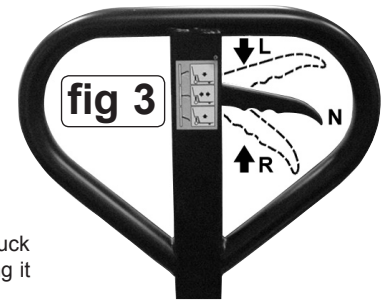
Model No.	PT1220
Capacity	.2000kg
Total Lift Height (H2)	193mm
Lowered fork height (H1)	85mm
Fork width	160mm
Fork length (L)	1220mm
Width over forks (W)	685mm
Fork wheel diameter	80mm
Truck Weight	.92kg

3. ASSEMBLY

- 3.1 **Assembling the handle to the truck. (see fig.2)**
- 3.2 Remove the nuts, bolts and washers from the end of the handle shaft noting their positions.
- 3.3 Hold the handle shaft (A) above the socket located on the pump assembly and allow the chain protruding from the end of the shaft to pass through the socket and through the hole in the centre of the axle immediately below the socket. Continue to lower the shaft until it sits into the socket. The operating lever within the handle loop should be to the right hand side and the lever operating label should be facing you as you stand in the operating position. (see fig.3)
- 3.4 Insert the two short bolts (C) into the holes in the front face of the socket so that they engage into the two threaded holes at the very bottom of the shaft. Make them finger tight.
- 3.5 Insert the two long bolts into the back face of the socket so that they engage into the other two threaded holes in the handle shaft. Continue to rotate the bolts until they protrude through the holes in the front of the socket.
- 3.6 Now tighten all four bolts.
- 3.7 Finally thread the remaining nuts and washers onto the two protruding bolts to act as locknuts (B) . Do not over tighten them.
- 3.8 At the end of the operating chain is a threaded rod with a nut on the end. Raise the foot pedal located between the spring and the pump and slide the rod into the slot at the end of the pedal and then release the pedal. For adjustments see next section.

4. OPERATING THE TRUCK

- 4.1 Before using the truck you must read and understand the safety instructions in Section 1. The truck should only be operated by those persons who have been trained in its use.
- 4.2 The operator must be physically capable of pushing or pulling the load and must also be capable of stopping a rolling load.
- 4.3 Before lifting any load the operator should check that the pallet is the correct width and length for the truck and that the pallet itself is not damaged.
- 4.4 The operator should ensure that the load on the pallet is safe to move. If the load appears to be loosely stacked, unevenly distributed, too high or too wide it should be repacked safely before moving. Also check that the weight of the load is within the capacity of the truck
- 4.5 **Lowering the truck.** (See fig.3 - L) Before inserting the truck into the pallet ensure that the truck forks are in their lowest position by pulling the operating lever into the upper position and holding it there until the truck has settled down to the lowest level.
- 4.6 **Neutral position.** (See fig.3 - N) The lever can now be released and will return to its neutral, middle position.
- 4.7 Push the truck into the pallet ensuring that it is fully inserted. If the pallet is shorter than the forks the load should be placed at the centre point of the length of the forks.
- 4.8 **Lifting a load.** (See fig.3 -R) To lift the load push the operating lever to its lowest position where it will latch. Pump the handle up and down to lift the load from the floor. When the forks reach their maximum height the lifting action will stop even if you continue to pump the handle.
- 4.9 Before you move off return the operating lever to its neutral position.
- 4.10 Due care should be taken when manoeuvring a load to ensure that no collision takes place with any objects or people.
- 4.11 The faster the truck is moved the more difficult it will be to stop it. Therefore proceed at a slow and even pace.
- 4.12 Bring the truck to a stop where required and lower the load to the floor by pulling the operating lever to its highest position and holding it there until the load has settled to the floor. Alternatively the load can be lowered by pressing the foot pedal. (See fig.2 - F)
- 4.13 It is not recommended that the load is lowered whilst the truck is still moving as a sudden stop may dislodge the load causing damage to property and/or people.
- 4.13 When the truck is not in use, lower the forks and park the truck where it will not be a hazard.



5. ADJUSTMENTS

- 5.1 The operating lever mechanism is adjusted in the factory but should the adjustment be lost or the mechanism not perform as it should it may be necessary to re-adjust to restore correct operation.
- 5.2 The primary adjustment should be made with the lever in the neutral position.(See fig.3 - N) Once adjustment has been carried out and there is no movement it will be necessary to test the performance of the truck with the lever in the other two positions.
- 5.3 Fine adjustment is done using the nut on the threaded rod at the end of the operating chain. (See fig.2 - E). To access this nut hold down the foot pedal and slide the rod out of the slot in the end of the pedal. Rotate the nut in the desired direction and re-insert the rod into the slot. If this adjustment is too fine use the main adjusting screw and locknut below the foot pedal. (see G in fig.2.)
- 5.3 **Testing NEUTRAL.** If moving the handle up and down in the neutral position causes the forks to rise turn the adjuster clockwise until the pumping action produces no movement of the forks.
- 5.4 If moving the handle up and down in the neutral position causes the forks to descend turn the adjuster anticlockwise until the pumping action has no effect on the raised forks.
- 5.5 **Testing RAISE.** Now put the lever into the lower position (See fig.3 - R) to test the raising action. If the forks do not elevate when pumping turn the adjuster anticlockwise until a raising action is achieved.
- 5.6 **Testing LOWER.** If the forks do not descend when the lever is held in the upper position turn the adjuster clockwise until the forks descend.

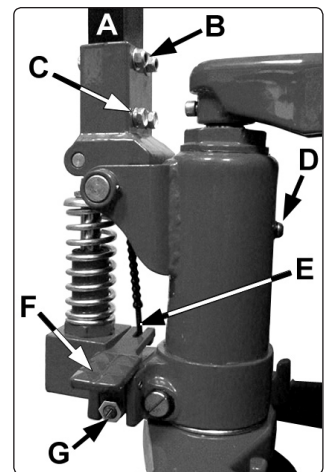


fig 2

6. MAINTENANCE

- 6.1 The oil level should be checked every six months. The system contains 0.4lt of hydraulic oil which should conform to ISO VG32. The viscosity should be 32cSt at 40°C . (See oil level / filler screw 'D' in fig.2)
- 6.2 To purge air from the system hold the operating lever in the lowering position until the truck has descended to its lowest level then pump the handle up and down 8 to 10 times.
- 6.3 Apply a long life grease to all bearings and shafts once a month.

7. TROUBLE SHOOTING

The Problem	The Cause	The Solution
The forks do not reach maximum height.	Hydraulic oil level too low.	Top up the oil.
The forks do not raise.	No hydraulic oil. The oil is contaminated. The lifting/lowering mechanism needs adjustment. Air in the hydraulic system.	Fill with hydraulic oil. Change the oil. Follow procedure in Section 5. Purge the air as described in Section 6.
The forks will not descend.	The lifting/lowering mechanism needs adjustment. Truck stored in raised position allowing exposed piston rod to corrode and jam. Piston rod or pump body deformed as a result of overloading or unbalanced load.	Adjust as described in Section 5. Lubricate rod regularly and store truck in lowered position. Replace piston rod or pump body.
Leaks	Seals worn, damaged or cracked	Replace seals.
The forks descend and cannot be maintained in the raised position.	The lifting/lowering mechanism needs adjustment. Release valve not fully closed due to impurities in oil. Air in the hydraulic system. Seals worn,damaged or cracked. Parts of hydraulic system cracked or worn.	Adjust as described in Section 5. Change the oil. Purge the air as described in Section 6. Replace seals. Inspect and replace.

NOTE: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

IMPORTANT: No liability is accepted for incorrect use of this product.

WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.

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