



KING KING CANADA

06/2016

PALLET TRUCKS



KC-2748NP
(27" x 48")



KC-2748N-NYL
(27" x 48")



KC-2145N-NYL
(21" x 45")

INSTRUCTION MANUAL

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IMPORTANT WARRANTY INFORMATION

**2-YEAR
LIMITED WARRANTY
FOR THIS PALLET TRUCK**

**KING CANADA TOOLS
OFFERS A 2-YEAR LIMITED WARRANTY
FOR NON-COMMERCIAL USE.**

PROOF OF PURCHASE

Please keep your dated proof of purchase for warranty and servicing purposes.

REPLACEMENT PARTS

Replacement parts for this product are available at our authorized King Canada service centers across Canada.

LIMITED TOOL WARRANTY

King Canada makes every effort to ensure that this product meets high quality and durability standards. King Canada warrants to the original retail consumer a 2-year limited warranty as of the date the product was purchased at retail and that each product is free from defects in materials. Warranty does not apply to defects due directly or indirectly to misuse, abuse, normal wear and tear, negligence or accidents, repairs done by an unauthorized service center, alterations and lack of maintenance. King Canada shall in no event be liable for death, injuries to persons or property or for incidental, special or consequential damages arising from the use of our products.

To take advantage of this limited warranty, return the product at your expense together with your dated proof of purchase to an authorized King Canada service center. Contact your retailer or visit our web site at www.kingcanada.com for an updated listing of our authorized service centers. In cooperation with our authorized serviced center, King Canada will either repair or replace the product if any part or parts covered under this warranty which examination proves to be defective in workmanship or material during the warranty period.

NOTE TO USER

This instruction manual is meant to serve as a guide only. Specifications and references are subject to change without prior notice.

PARTS DIAGRAM & PARTS LISTS

Refer to the Parts section of the King Canada web site for the most updated parts diagram and parts list.

KING CANADA INC. DORVAL, QUÉBEC, CANADA H9P 2Y4

www.kingcanada.com

GENERAL AND SPECIFIC SAFETY INSTRUCTIONS



1. KNOW YOUR EQUIPMENT.

Read and understand the owners manual and labels affixed to the pallet truck. Learn its application and limitations as well as its specific potential hazards.

2. KEEP WORK AREA CLEAN.

Cluttered areas and benches invite accidents. Make sure the floor is clean and not slippery due to wax and sawdust build-up.

3. WEAR PROPER APPAREL.

Do not wear loose clothing, gloves, neckties or jewelry (rings, watch) because they could get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair. Roll up long sleeves above the elbows.

4. MAINTAIN EQUIPMENT.

Keep equipment clean for best and safest performance. Follow instructions for lubricating.

5. NEVER STAND ON EQUIPMENT.

Serious injury could occur if the pallet truck tips over. Do not store materials such that it is necessary to stand on the pallet truck to reach them.

6. CHECK DAMAGED PARTS.

Before further use of the pallet truck, parts that are damaged should be carefully checked to ensure that they will operate properly and perform their intended function. Check for alignment of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. Parts that are damaged should be properly repaired or replaced.

SPECIFIC SAFETY INSTRUCTIONS

1. GET TRAINED.

Do not operate this pallet truck unless you have been trained and authorized to do so.

2. READ INSTRUCTIONS.

Do not operate this pallet truck until you have read and understood all of the safety information and instructions contained in the instruction manual.

3. CHECK CONDITION.

Do not operate this pallet truck until you have checked its condition. Give special attention to wheels, controls and lifting systems, including steering mechanism, guards and safety devices.

4. REPORT REPAIRS.

Report the need for pallet truck repairs to your supervisor immediately and do not operate pallet truck until repairs are made. Neglect may cause a minor repair to become a major service problem and cause the pallet truck to become unsafe.

5. DO NOT EXCEED LOAD CAPACITY.

Do not load pallet truck beyond capacity shown on serial name-plate on pallet truck.

6. BE CAREFUL.

Do not lift with the fork tips or one fork only.

7. DO NOT OFF-CENTRE LOADS.

This equipment is designed for evenly centred loads with forks completely supporting the load. Off-centring of loads can result in a dangerous operating condition and may cause damage or injury.

8. ALWAYS LOOK IN DIRECTION OF TRAVEL.

Use caution when visibility is obstructed by load.

9. HANDLING LOOSE LOADS.

Extreme caution must be used when handling loosely stacked/packaged loads.

10. WATCH SWING CLEARANCE.

Watch swing clearance when turning near walls, racks, pillars or other obstacles.

11. BE AWARE.

Start, stop, change direction and travel smoothly. Slow down for turns and on uneven or slippery surfaces that cause pallet truck to slide or tip. Be aware that the pallet truck behaves differently without a load than with a load.

12. DO NOT RIDE.

Do not ride on this equipment.

13. DO NOT CARRY.

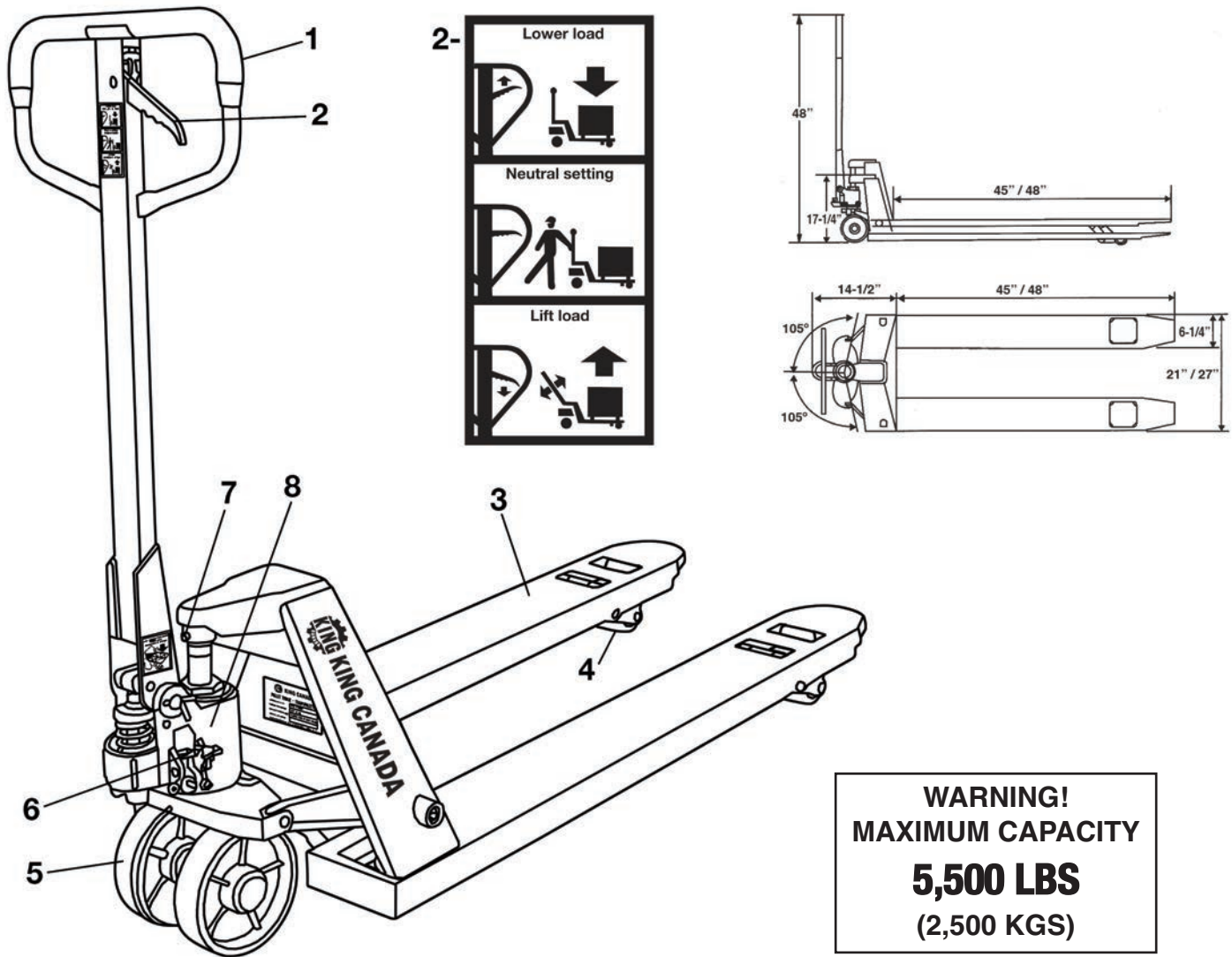
Do not carry passengers or lift personnel.

14. LOWER MECHANISM.

Before you leave the pallet truck, fully lower lifting mechanism.



GETTING TO KNOW YOUR PALLET TRUCK & SPECIFICATIONS



WARNING!
MAXIMUM CAPACITY
5,500 LBS
(2,500 KGS)

Getting to Know your pallet truck

Before attempting to use your pallet truck, it is recommended to familiarize yourself with all the controls, operating features and safety requirements.

- | | |
|--------------------------------------|--|
| 1. Directional/Pump control handle | 5. Polyurethane or Nylon steering wheels |
| 2. Lift/Neutral/Lower control lever | 6. Quick release lowering foot pedal |
| 3. Lifting forks | 7. Grease fitting (pivotal points) |
| 4. Polyurethane or Nylon load wheels | 8. Hydraulic pump |

MODEL	KC-2145N-NYL	KC-2748N-NYL	KC-2748NP
Minimum height of forks	2.95"	2.95"	2.95"
Maximum raised height of forks	7-1/2"	7-1/2"	7-1/2"
Overall width across forks	21"	27"	27"
Fork width	6 1/4"	6-1/4"	6 1/4"
Standard fork length	45"	48"	48"
Weight	150 lbs	159 lbs	168 lbs

OPERATION & MAINTENANCE



OPERATION

To raise the forks, push the lift/neutral/lower control lever (A) Fig.1 down to the "lift" position and pump the directional/pump control handle (B) to lift the forks to the desired height.

To lower the forks, pull the lift/neutral/lower control lever (C) Fig.1 up to the "lower" position. A quick release lowering foot pedal (A) Fig.2 can also be used to quickly lower the forks.

To freely move the directional/pump control handle (B) Fig.1, set the lift/neutral/lower control lever (D) Fig.1 in the centre neutral position.

To lift a load:

- 1) Lower the forks to the lowest position.
- 2) Insert forks under load or into pallet.
- 3) Push the lift/neutral/lower control lever (A) Fig.1 down to the "lift" position.
- 4) Pump the directional/pump control handle (B) Fig.1 to lift the forks to the desired height.

To move a load:

- 1) Push the lift/neutral/lower control lever (D) Fig.1 in the centre neutral position.
- 2) Pull or push the pallet truck to the desired location.

To lower a load:

- 1) Pull the lift/neutral/lower control lever (C) Fig.1 up to the "lower" position.
A quick release lowering foot pedal (A) Fig.2 can also be used to quickly lower the forks.
- 2) Pull forks from under load or pallet.

MAINTENANCE

Oil-

Check oil level in pump every six months. Hydraulic, motor or brake oil can be used, as long as it has a viscosity of 32cst at 40°C. Total volume of oil needed is about 0.3 litres.

Bleeding air in system-

Air may get into the hydraulic system due to transportation or pump placed in a non-operating position. This will cause the forks to not lift while pumping the handle in the "lift" position. Bleed the air in the following manner; move lift/neutral/lower control lever (C) Fig.1 up to the "lower" position and pump the directional/pump control handle (B) Fig.1 several times.

Lubrication-

There are several oil points located on the pallet truck, one of them is shown (A) Fig.3. Grease the oil points on a semi-annual basis. Lightly oil all moving parts using motor oil or grease.

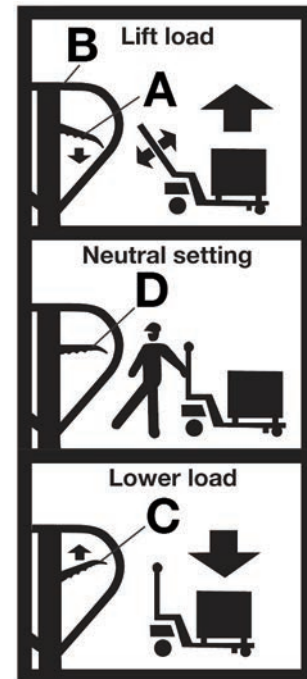


FIGURE 1

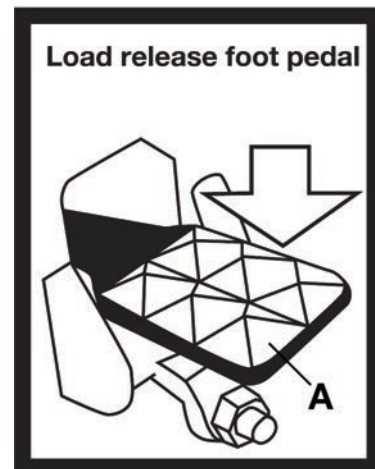


FIGURE 2

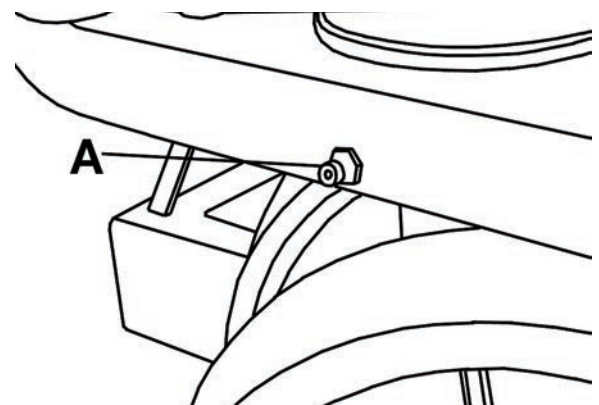


FIGURE 3



TROUBLESHOOTING

PROBLEM	PROBABLE CAUSE	REMEDY SUGGESTED
Insufficient lifting	<ol style="list-style-type: none"> 1. Shortage of oil 2. Air in pump 	<ol style="list-style-type: none"> 1. Add appropriate oil 2. Set lever to lowering position and pump handle repeatedly
Pallet truck does not lift	<ol style="list-style-type: none"> 1. Viscosity of hydraulic oil is too high or hydraulic oil level is too low 2. Hydraulic oil is dirty 3. Lowering device is abnormal 	<ol style="list-style-type: none"> 1. Replace hydraulic oil 2. Replace hydraulic oil 3. Re-adjust the lowering device
Pallet truck does not lower after lifting	<ol style="list-style-type: none"> 1. The piston rod or pump body is deformed resulting from partial load slanting to one side or overloading. 2. The forks were kept in the high lifted position for an extended amount of time causing bare piston rod to rust or jam. 3. The adjusting nut (Part# 17) or the screw (Part#56) are not in the correct position. 	<ol style="list-style-type: none"> 1. Replace the piston rod (Part# 46) or the pump body 2. Keep the forks in the low position when not in use and pay more attention to lubricating the piston rod 3. Adjust the nut (Part# 17) or the screw (Part#56).
Leaks	<ol style="list-style-type: none"> 1. Seals worn or damaged 2. Cracked or worn part 	<ol style="list-style-type: none"> 1. Replace seal(s) with new one. 2. Replace cracked or worn part with new one.