



# Owners Manual/Operating Instructions

## Lift-Rite Titan Series Hand Pallet truck



### **SAFETY SHOES**

Always wear safety shoes when working with hand pallet trucks.



### **PROTECTIVE GLASSES**

When assembling or dismantling a hand pallet truck, protective glasses must be worn to avoid personal injury.

### **OPERATOR'S RESPONSIBILITY**

While operating a hand pallet truck always wear safety equipment and operate in a responsible manner to ensure a safe work area.

## **DELIVERY INSPECTION**

Visually inspect hand pallet truck frame components and hydraulic unit for damage during shipment by carrier. If damage is evident, notify delivering carrier immediately and file necessary claims. Test the hand pallet truck pump for operation. If the hydraulic pump does not respond to movement of the handle, an air lock may have developed during shipping. To remedy this go to the user friendly troubleshooting guide in this manual.

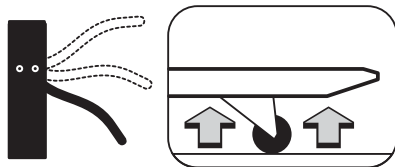


## SAFETY PROCEDURES

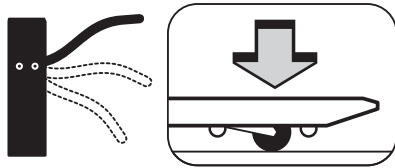
*(Read and understand prior to using this product)*

- Never overload your hand pallet truck. Stay within rated capacity.
- Do not operate this truck if damaged or not in proper working order.
- Distribute the load evenly on the forks, do not concentrate loads at one point or load one fork more than the other.
- Only handle loads on flat level surfaces. Do not use this truck with load on inclines or declines.
- Never put your feet, hands or any other body part under the frame assembly.
- Do not allow your hand pallet truck to drop from one level to another. Even a drop of 1" (25mm) more than doubles the effective load momentarily and results in a "Shock" which can bend or break components.
- Always ensure load is stable before moving to eliminate opportunity for load shift.
- When not in use, lower forks completely to avoid injury.

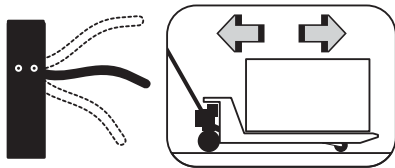
## OPERATING INSTRUCTION *(Read and understand prior to using this product)*



→ To raise load, push down on finger tip control. Pump handle to raise load from floor.



→ To lower load, pull up on finger tip control.



→ For free handle movement, place finger tip control in neutral position.

### NOTE:

The neutral position disengages the pump from the lifting mechanism. This frees the handle, which makes pulling loads much easier. In addition, the pump is not subject to shock pressures while the truck is in motion.

## DAILY INSPECTION

CHECK POINTS	Steering	Hydraulic system	Wheels	Chassis	Lifting/ lowering	Labels
<b>ACTION</b>	Check full rotation	Check for excessive oil on exterior	Check for wear, damage and remove debris	Check for damage and remove debris	Check for function	Check for readability

## MAINTENANCE

### LUBRICATION

All pivot points are equipped with permanently lubricated bushings and bearings. To increase bearing life, it is recommended that a few drops of light machine oil be applied at each pivot point every 6 months. The thrust plate is equipped with three grease fittings. Apply grease under normal conditions every 6 months.



## PUSH BAR LINKAGE ADJUSTMENT

If the forks do not rise evenly at the tips, or the roller levers begin to drag on the floor the following adjustment is necessary:

### LCR55 (ONLY)

- Turn the hand pallet truck over so that the under side of the forks are accessible.
- Remove one split pin (PN-20269B) with 3/16" punch.
- Remove pin (PN-20227) from bracket.
- Adjust eyebolts (PN-20226). Turn counter-clockwise to raise fork tips and clockwise to lower fork tips
- Replace pin (PN-20227) through eyebolt and replace split pin (PN-20269B).
- When adjusted properly the forks should be 3" low height from ground level in the lowered position.

### LCS/LCM/LCU MODELS

- Turn the hand pallet truck over so that the under side of the forks are accessible.
- Remove one split pin (PL-20269) with 3/16" punch.
- Remove pin (PL-20227) from bracket.
- Adjust eyebolts (PL-20226). Turn counter-clockwise to raise fork tips and clockwise to lower fork tips
- Replace pin (PL-20227) through eyebolt and replace split pin (PL-20269).
- When adjusted properly the forks should be 3" (LCS)/2" (LCM)/1 3/4" (LCU) low height from ground level in the lowered position.

## HYDRAULIC SYSTEM

Your hydraulic system is maintenance free. Do not add hydraulic oil unless there is, or has been a leak. Use Premium HVI hydraulic oil or equal. Other oils, fluids or solvents can damage your hydraulic system. If you suspect additional oil is required, follow these steps:

1. Lower the truck and load with 600 lbs (approximate).
2. Pump the truck to its maximum lift height.
3. Measure the vertical height of the exposed piston (215030) and refer to the chart below.

Distance (inches)	5 1/8"	4 3/4"	4 3/8"	4"	3 1/2"	3 1/8"	2 3/4"	2 3/8"
Oil to add (Fl.Oz)	0	2.7	3.0	3.4	3.7	4.0	4.4	4.7

### ADDING OIL (IF REQUIRED)

4. Place and secure the truck on its right side (release valve facing the floor).
5. Pull up on the release lever (PL-40274BDM) and extend the lift piston fully.
6. Remove screw (221586) and add the amount of oil determined by step 3.
7. Reinstall screw (221586) but do not tighten, leave a 1/32" gap.
8. Pull up on the release lever (PL-40274BDM) and collapse the lift piston until oil starts to ooze from the screw.



**CAUTION!** - It is extremely important that step 8 is performed otherwise air in the pump can force out the wiper seal (20066). Take care when adding oil not to introduce impurities into the hydraulic system.

9. Tighten the screw (221586) fully and return the truck upright.



## TROUBLE SHOOTING

CONDITION	POSSIBLE CAUSE	ACTION
Pump does not lift load	An air lock in the hydraulic systems	Pull up on finger tip control and hold while pumping the handle 8-10 times to bleed air from the system
Lifting, neutral does not function properly	Chain anchor out of adjustment	Turn nut (21094) on chain anchor clockwise until pumping action while in neutral does not raise forks.
Forks raise and sink with pump action	Dirt or foreign particle caught in cone valve seat.	Pull up on finger tip control and hold while pumping the handle 8-10 times to purge the valve system
Pump does not lift load to complete raised height	Pump is low on oil due to oil leakage	Refer to procedure for adding hydraulic oil in the maintenance section.
Forks are not lowering completely	Push jam nut loose/ Push bars require adjustment.	Refer to push bar linkage adjustment in the maintenance section.

## HAND PALLET TRUCK WARRANTY

Lift-Rite Inc. will guarantee this product against material or manufacturing defects provided the truck has not been abused and is used under normal conditions\*. Lift-Rite Inc. will provide replacement components for those deemed defective by Lift-Rite Inc. under the terms listed below for the following model: **LIFT-RITE TITAN MODEL - LCR/ LCS/ LCM/ LCU MODELS**

The complete hydraulic pump and handle assembly is covered for (24) months. The chassis and associated components are covered for (12) months. Wearable components such as wheels, rollers, and bushings are covered for (6) months.

All warranty periods begin as of date of purchase. This warranty does not include labor or miscellaneous costs involved in the replacement of any components determined to be defective. In order to claim for warranty, you must supply the truck serial number, as well as date of purchase. *\*Any truck used under adverse conditions, such as fish, meat or poultry processing plants, tanneries, freezer applications, or any other application where the unit is operating in water or subjected to fluid or chemicals, is NOT covered under any warranty. Bent, twisted or misaligned forks are clear signs of abuse and not covered under warranty.*

# LIFT-RITE®

Lift-Rite has been **ISO 9001:2000 REGISTERED**  
Quality Management System

Lift-Rite has been **ISO 14001:2001 REGISTERED**  
Environmental Management System

