



JG LIFTING

HAND PALLET TRUCK PRODUCT MANUAL



DURABLE

Reinforced frame
for long service life



STRONG CAPACITY

High load capacity
and stable lifting



EASY OPERATION

Ergonomic handle for
comfortable control



LOW MAINTENANCE

Simple structure for
easy maintenance

JGLIFTING.COM



FOSHAN JUGE LIFTING EQUIPMENT CO. LTD.



Address: Dali Town, Nanhai District, Foshan City, Guangdong, China



Tel : +86-13711113985



Mail : zxp@jglifting.com



Web: JGlifting.com

JGlifting.com

LIFTING SOLUTIONS, MOVING THE WORLD.

Foreword

- JGlifting is a comprehensive manufacturer specializing in material handling and lifting equipment. With a 40,000-square-meter production base and an annual production capacity of up to 200,000 tons, we provide a wide range of reliable products, including manual pallet trucks, electric pallet trucks, cranes, truck-mounted cranes, manual hoists, electric hoists, and winches. Our products are widely used in warehouses, logistics centers, construction sites, factories, and various industrial lifting applications.

Why Choose Us:

- 10+ Years Manufacturing Experience
- Strict Quality Inspection
- Fast Global Delivery
- OEM & Customization Available

Your Reliable Lifting Equipment Partner



HAND PALLET TRUCK OVERVIEW



A Hand Pallet Truck is a simple and reliable material handling solution designed for lifting and transporting palletized goods with ease. Widely used in warehouses, factories, supermarkets, and logistics centers, it helps improve efficiency while reducing manual labor.

JG LIFTING Hand Pallet Trucks feature a high-strength steel frame, durable hydraulic system, and smooth-rolling wheels for long-lasting performance. Available in various load capacities, fork sizes, and wheel options, they can meet different operational requirements.

Built for strength, durability, and ease of use, our hand pallet trucks provide a cost-effective solution for everyday material handling tasks.

Structure Breakdown & Component Identification

- 1.1 Left Fork
- 1.2 Right Fork
- 1.3 Front Wheel Mounting Bracket
- 1.4 Reinforcement Plate

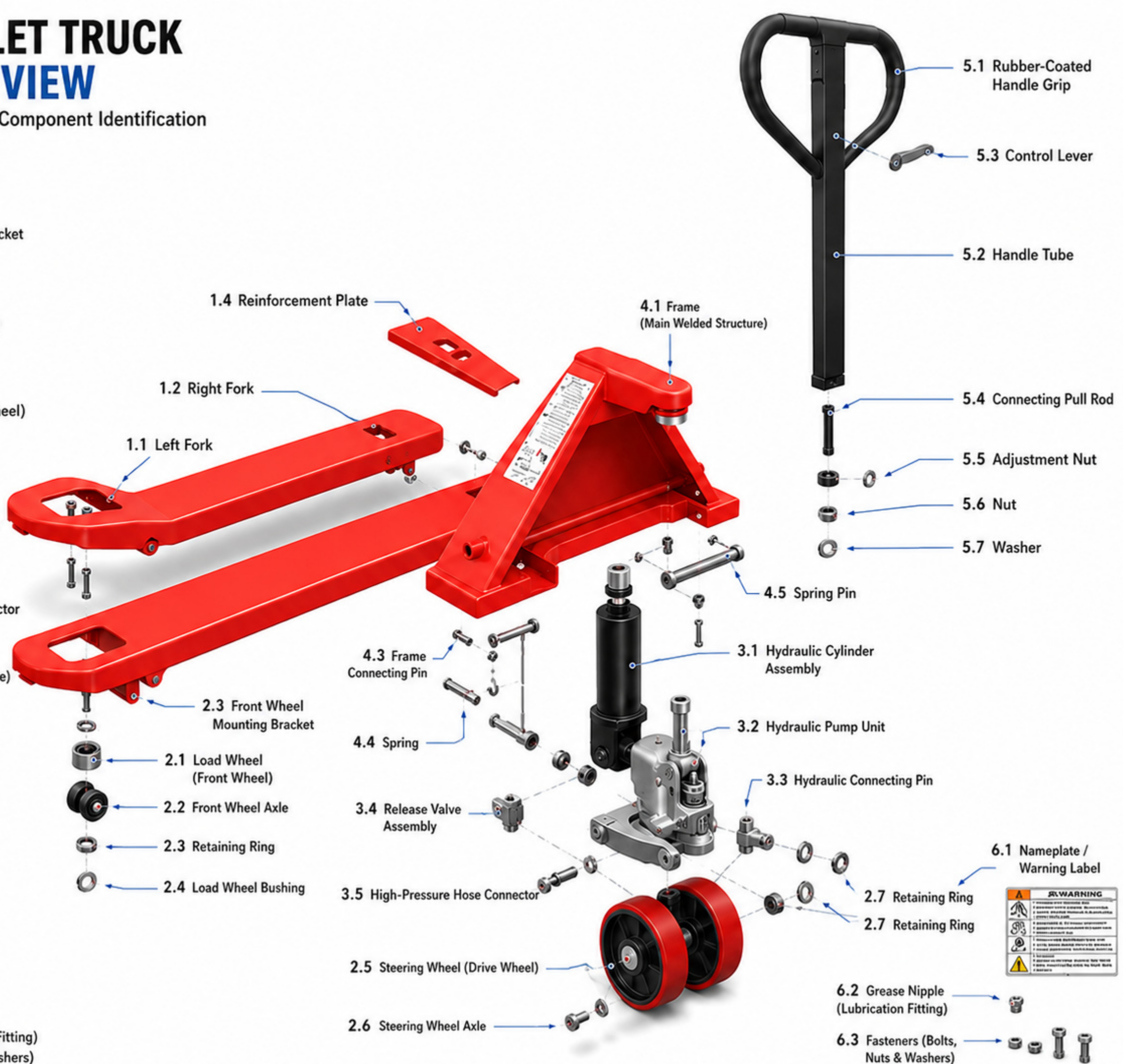
- 2.1 Load Wheel (Front Wheel)
- 2.2 Front Wheel Axle
- 2.3 Retaining Ring
- 2.4 Load Wheel Bushing
- 2.5 Steering Wheel (Drive Wheel)
- 2.6 Steering Wheel Axle
- 2.7 Retaining Ring

- 3.1 Hydraulic Cylinder Assembly
- 3.2 Hydraulic Pump Unit
- 3.3 Hydraulic Connecting Pin
- 3.4 Release Valve Assembly
- 3.5 High-Pressure Hose Connector

- 4.1 Frame (Main Welded Structure)
- 4.2 Pump Mounting Base
- 4.3 Frame Connecting Pin
- 4.4 Spring
- 4.5 Spring Pin

- 5.1 Rubber-Coated Handle Grip
- 5.2 Handle Tube
- 5.3 Control Lever
- 5.4 Connecting Pull Rod
- 5.5 Adjustment Nut
- 5.6 Nut
- 5.7 Washer

- 6.1 Nameplate / Warning Label
- 6.2 Grease Nipple (Lubrication Fitting)
- 6.3 Fasteners (Bolts, Nuts & Washers)



HAND PALLET TRUCK

DIMENSIONS & OPTIONS



WIDE FORK

FORK LENGTH OPTIONS

- 800 mm (31.5 in)
- 1100 mm (43.3 in)
- 1200 mm (47.2 in)
- 1500 mm (59.1 in)
- 1800 mm (70.9 in)
- 2000 mm (78.7 in)

Customized length available



NARROW FORK



ERGONOMIC HANDLE

Comfortable grip and easy control



STRONG STRUCTURE

Reinforced steel construction for durability



SMOOTH MOVEMENT

High quality wheels for easy steering and stability



Various fork lengths and widths available to meet different needs.

Note: All dimensions are for reference only.
Please contact us for more details.

HAND PALLET TRUCK SERIES

CHOOSE THE RIGHT MODEL FOR YOUR APPLICATION



Model	JG-1 Standard	QG-1 Heavy Duty	DZ-1 Scale Pallet Truck
Capacity	2T / 2.5T / 3T /3.5T/ 5T	2T / 2.5T / 3T /3.5T/ 5T	2T / 3T
Hydraulic Unit	Standard	Reinforced Casting Pump	Scale Hydraulic Pump
Frame Strength	Standard	Heavy Duty Reinforced Frame	Standard
Full Load Operation	★★★★★	★★★★★★	★★★
Weighing Function	✗	✗	✓
Best For	Daily Warehouse Use	Heavy Industrial Use	Weighing & Handling

Capacity	Heavy-Duty Model	Standard Model
2 Ton	✓	≤1000 kg
2.5 Ton	✓	≤1500 kg
3 Ton	✓	≤2000 kg
3.5 Ton	✓	≤2500 kg
5 Ton	✓	≤3500 kg

Specification	2T	2.5T	3T	3.5T	5T
Min. Fork Height	80 mm	80 mm	80 mm	80 mm	80 mm
Max. Fork Height	200 mm	200 mm	200 mm	200 mm	200 mm
Fork Length	800mm / 1100mm / 1200mm / 1500mm / 1800mm / 2000 mm				
Overall Fork Width	550 / 685 mm	550 / 685 mm	550 / 685 mm	550 / 685 mm	550 / 685 mm
Steering Wheel	Ø180 × 50 mm	Ø180 × 50 mm	Ø180 × 50 mm	Ø180 × 50 mm	Ø180 × 50 mm
Load Roller	Ø74 × 70 mm	Ø74 × 70 mm	Ø74 × 70 mm	Ø74 × 70 mm	Ø80 × 70 mm
Net Weight	50-57 kg	53-59 kg	64-73 kg	68-85 kg	85-115 kg

COMPARISON OF LOAD CAPACITY



**Upgraded Heavy-Duty Model
(for Industrial Use)**



**Standard Hydraulic Pallet Jack
(Economy Model)**

2 Ton	✓	Recommended load within 1000 kg
2.5 Ton	✓	Recommended load within 1500 kg
3 Ton	✓ Up to 3 Ton	Recommended load within 2000 kg
3.5 Ton	✗	Recommended load within 2500 kg
5 Ton	✗	Recommended load within 3500 kg

* The forklift's actual load capacity decreases as the load increases.

The rated load capacity of manual hydraulic pallet jacks refers to the maximum load they can safely lift. In actual use, if the load approaches the forklift's capacity limit, it may cause damage, deformation, or excessive wear. Therefore, we recommend that the actual load during regular use should not exceed **70%-80%** of the maximum load capacity!

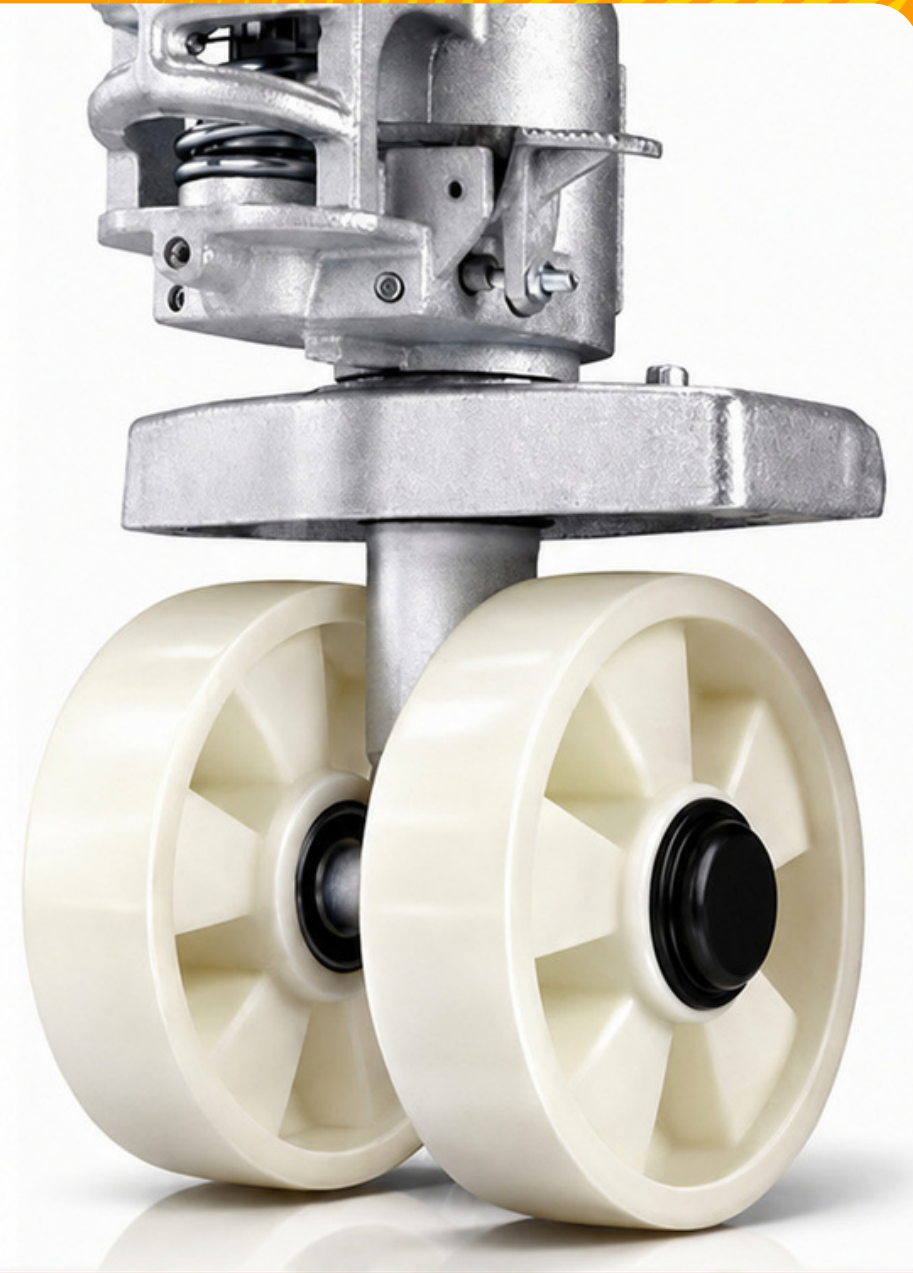
AVAILABLE WHEEL TYPES



Polyurethane (PU) Wheels

Quiet, shock-absorbing,
and non-marring

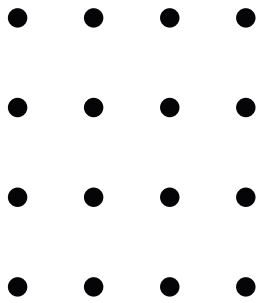
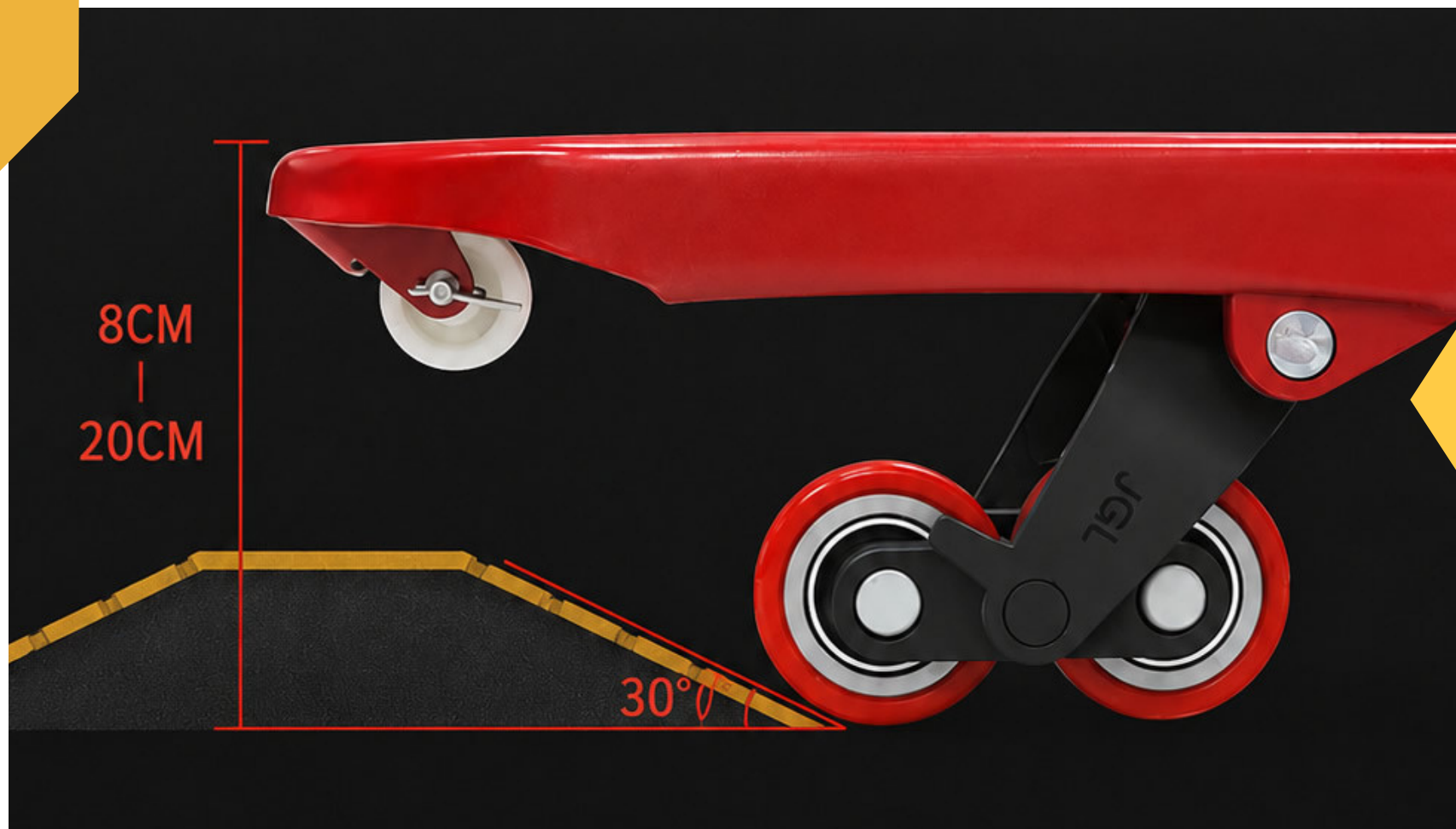
Suitable for tile, epoxy,
and industrial flooring



Nylon Wheels

Lightweight, low rolling resistance,
and corrosion-resistant

Suitable for cement, asphalt,
and rough floors



LOW LOAD BEFORE MOVING ALSO STEADY AND QUIET

The lifting range of 8-20cm provides greater adaptability and efficiency. With a ramp angle of 30° or less, the auxiliary wheels help push the pallet jack smoothly. They are not likely to sink or get stuck, easily adapting to different floor surfaces and improving work efficiency.



『ONE-PIECE』

CASTING HYDRAULIC CYLINDER

FIRST
WAREHOUSE LOGISTICS EXPERT

✓ **SEALED & TESTED**
Over 200,000 cycles

✓ **STRONG & DURABLE**
No weak points in structure

✓ **Low Maintenance**
High Efficiency



CONTACT US

WhatsApp: +86 13711113985



JGLIFTING.COM

REINFORCED STEEL SPRING

**SUPERIOR REBOUND FOR
LONGER SERVICE LIFE**

- ✓ High Elasticity
- ✓ Increased Durability
- ✓ Smooth Operation



WARNING

EXAMPLES OF INCORRECT OPERATION

Incorrect operation may lead to accidents.
Please use the pallet jack properly



✗ Fork Tips Only



✗ Overlength Loads



✗ Off-Center Loads



✗ Overloading



EXCEL IN MULTIPLE SCENARIOS MORE STABLE, MORE EFFICIENT

Ideal for Warehouses, Logistics Centers, Supermarkets, Airports, Ports, and
In-Plant Material Handling



+86 13711113985

CONTACT US



www.jglifting.com

HANDLE ASSEMBLY

If you have purchased a hand pallet truck packed in a separate carton, some simple assembly is required before use. You may need basic tools such as a hammer and an Allen wrench. During assembly, it is recommended to stand behind the pallet truck and follow the steps below:

- 1. Pass the chain (102) on the handle through the center hole of the locating pin (306). **(See Fig. 2-1.)**
- 2. Insert the bolt and nut at the end of the chain (102) into the slot of the control lever (342).

(See Figs. 2-1 and 2-2.)

- 3. Insert the three bolts (107) and washers (106) through the handle and into the yoke head (305), then tighten securely.

(See Fig. 2-3.)

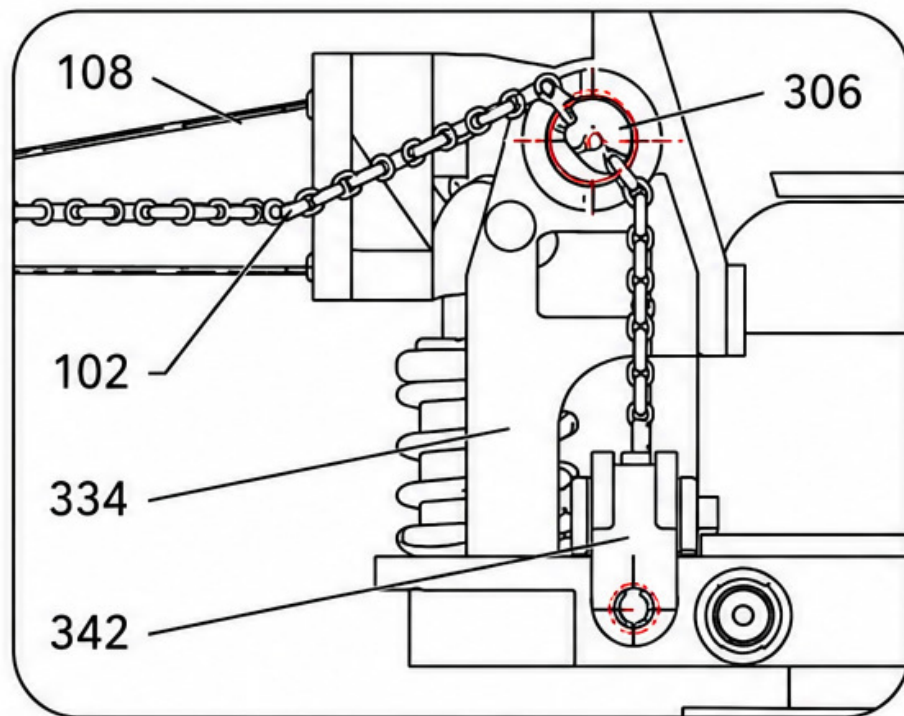


FIG. 2-1

- | | |
|-----|-----------------|
| 102 | Chain |
| 108 | Spring Pin |
| 306 | Locating Pin |
| 334 | Spring Cylinder |
| 342 | Control Lever |

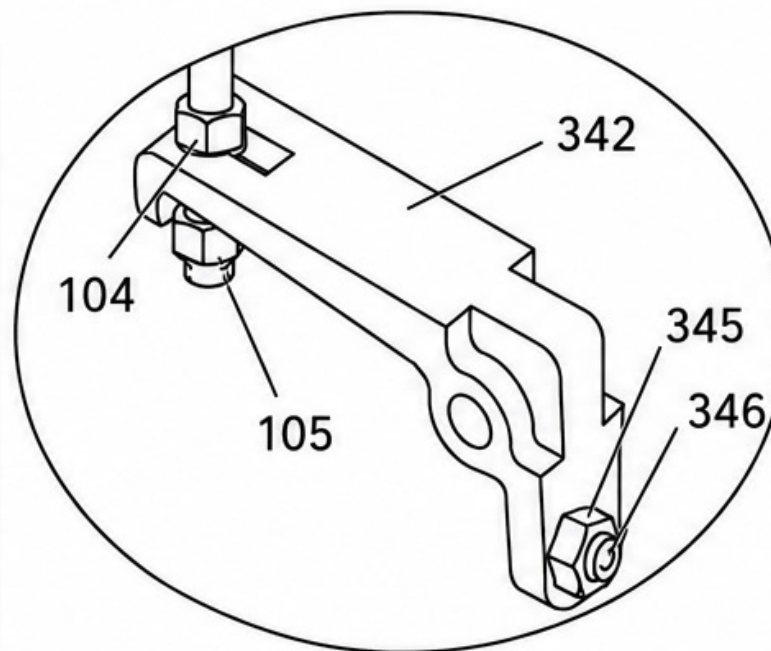


FIG. 2-2

- | | |
|-----|---------------|
| 104 | Bolt |
| 105 | Nut |
| 342 | Control Lever |
| 345 | Bolt |
| 346 | Nut |

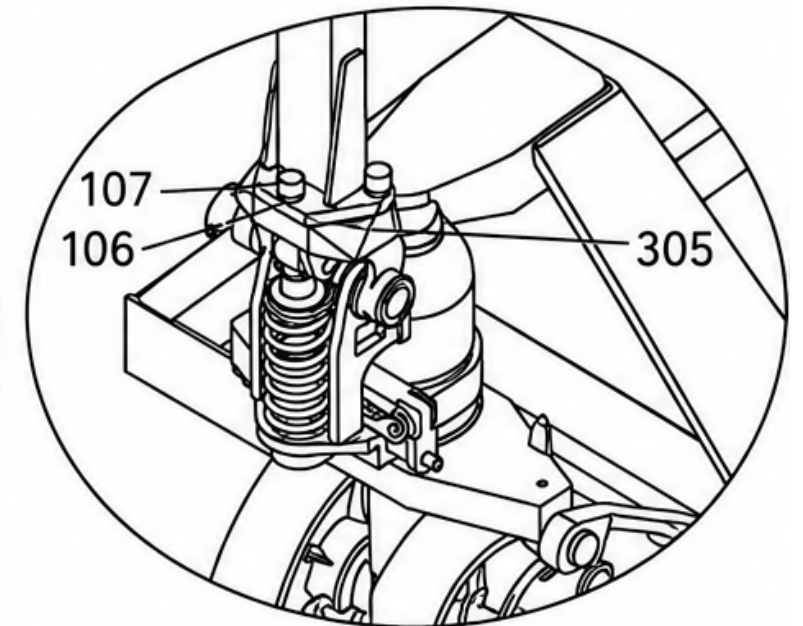


FIG. 2-3

- | | |
|-----|-----------|
| 106 | Washer |
| 107 | Bolt |
| 305 | Yoke Head |

VEHICLE COMMISSIONING

After the vehicle assembly is completed, operate the handle to test the system, and move the control lever (1) through different positions to check whether the lifting, neutral, and lowering functions are working properly. **See Figure 3-1.**

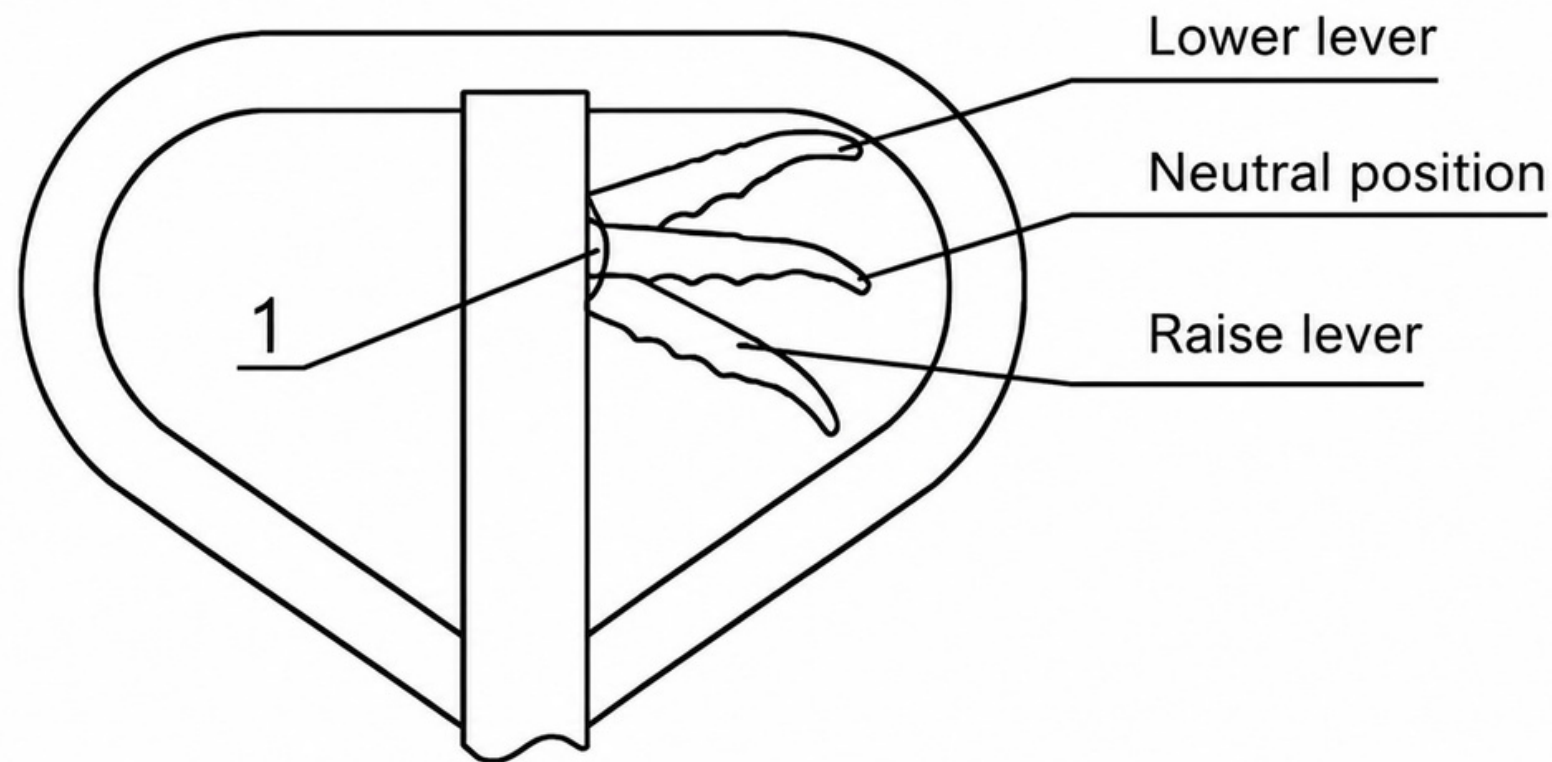


Figure 3-1

The screw (346) shown in Figure 2-2 is used for adjustment of the vehicle condition. If the load rises but then drops immediately, turn screw (346) slightly counterclockwise, and test the vehicle again until it can lift normally.

If the load cannot be lowered after lifting, turn screw (346) slightly clockwise, and test again until it can lower properly.

The nut (345) at the screw position is used for locking. It should be loosened before adjustment and tightened again after the adjustment is completed.

Maintenance

This hand-operated hydraulic pallet truck requires regular maintenance.

1. Hydraulic Oil

Check the oil level every three months. The hydraulic oil specified by our company is Great Wall Brand No. 46 anti-wear circulating hydraulic oil. Users may replace it with hydraulic oil of similar specifications.

The total oil volume is approximately 0.3 liters.

2. Air Bleeding

Due to transportation or inverted positioning of the pump unit, air may enter the hydraulic system. This may cause the pallet truck not to lift when the control handle is operated in the lifting position.

To remove air from the system, follow the procedure below:

Set the control handle (114) to the lowering position, then operate the hand lever (108) up and down repeatedly for several cycles **(see Fig 7-1)**.

3. Daily Inspection and Maintenance

Regular inspection and maintenance can significantly extend the service life of the pallet truck.

Pay special attention to the wheels and axles, and check for foreign materials such as threads, cloth strips, or debris that may become entangled in the wheels.

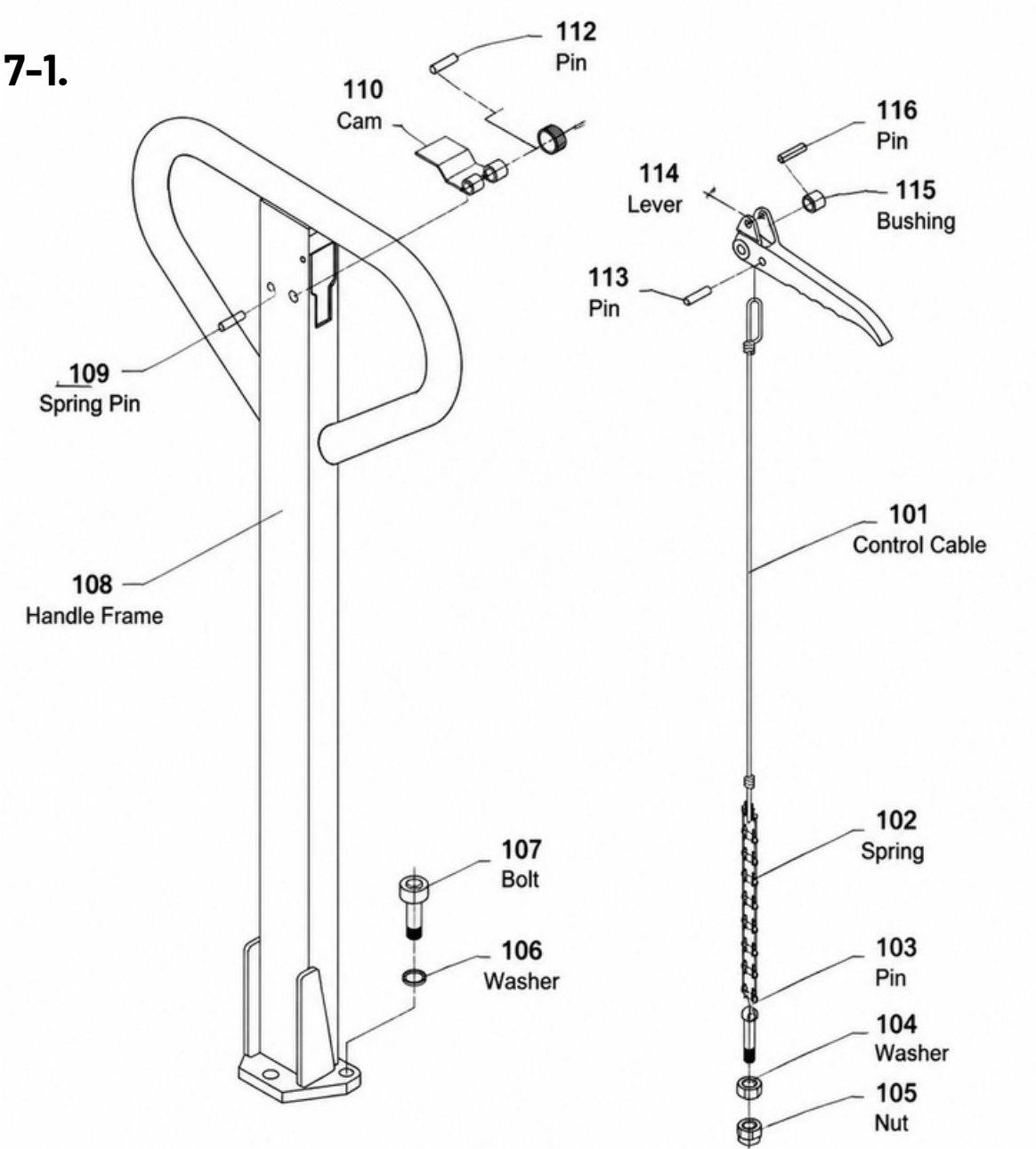
After operation, remove any load from the forks and lower the forks to the lowest position.

4. Lubrication

All bearing points and shafts of this product are pre-lubricated with permanent lubricant before delivery.

During monthly routine inspection, clean the oil pump and lubrication points, and apply lubricant to all required lubrication areas.

FIG 7-1.



Handle Assembly Exploded View & Parts List

Item No.	Name	Qty	Item No.	Name	Qty
101	Pull Rod	1	109	Elastic Cylindrical Pin	1
102	Chain	1	110	Return Spring Plate	1
103	Clevis Bolt	1	111	Return Spring	1
104	Hex Nut	1	112	Elastic Cylindrical Pin	1
105	Lock Nut	1	113	Elastic Cylindrical Pin	1
106	Spring Washer	3	114	Small Handle	1
107	Hex Socket Screw	3	115	Handle Roller	1
108	Handle Weldment	1	116	Elastic Cylindrical Pin	1

SAFETY PRECAUTIONS

- Do not operate the pallet truck unless you have received proper training, are fully familiar with its operation, and have been authorized to use it.
- Inspect the pallet truck before use. Pay special attention to the condition of the wheels, handle assembly, frame, and control lever.
- Do not use the pallet truck on muddy or uneven surfaces.
- Keep all parts of your body away from the lifting mechanism, the load, and the area beneath the forks.
- Never transport or lift people. Do not stand on the forks or ride the pallet truck.
- Do not use the pallet truck to transport loose or unsecured loads.
- Do not exceed the rated load capacity.
- Operators are recommended to wear protective gloves during operation.
- Do not place heavy loads onto the forks suddenly or with impact.
- Do not leave loads on the pallet truck for extended periods.
- When transporting goods, ensure the load is evenly centered between the forks. Never place the load near the fork tips or rear ends unevenly.
- Ensure the fork length is equal to or greater than the pallet length.
- When the pallet truck is not in use, lower the forks to the lowest position.
- Do not operate any parts other than those specified for normal operation.
- In special environments or operating conditions, use extra caution and operate the pallet truck carefully.

TROUBLESHOOTING & SOLUTIONS

No.	Problem Description	Cause	Solution
1	Forks cannot reach maximum lifting height	Insufficient hydraulic oil	Add hydraulic oil
2	Pallet truck cannot lift	1. No hydraulic oil 2. Contaminated hydraulic oil 3. Adjusting nut (105) is too high or adjusting screw (346) has been turned excessively, causing the release valve to remain open 4. Air trapped in hydraulic oil	1. Refill hydraulic oil 2. Replace hydraulic oil 3. Readjust adjusting nut (105) or adjusting screw (346) 4. Bleed air from the hydraulic system
3	Pallet truck cannot lower	1. Load is unevenly distributed or overloaded, causing damage to piston rod (340) or cylinder (334) 2. Forks have been left in the raised position for a long time, causing rust on the piston rod and restricting movement 3. Adjusting nut (105) or adjusting screw (346) is not in the correct position	1. Replace piston rod (340) or cylinder (334) 2. When not in use, lower the forks to the lowest position and lubricate the piston rod regularly 3. Readjust adjusting nut (105) or adjusting screw (346)
4	Oil leakage	1. Worn or damaged seals 2. Cracked or damaged components	1. Replace seals 2. Replace damaged parts
5	Pallet truck lowers by itself	1. Contaminated hydraulic oil prevents the check valve from closing properly 2. Hydraulic system components are cracked or damaged 3. Air trapped in the hydraulic oil 4. Worn or damaged seals 5. Adjusting nut (105) or adjusting screw (346) is not in the correct position	1. Replace hydraulic oil 2. Inspect and replace damaged components 3. Bleed air from the hydraulic system 4. Replace seals 5. Readjust adjusting nut (105) or adjusting screw (346)