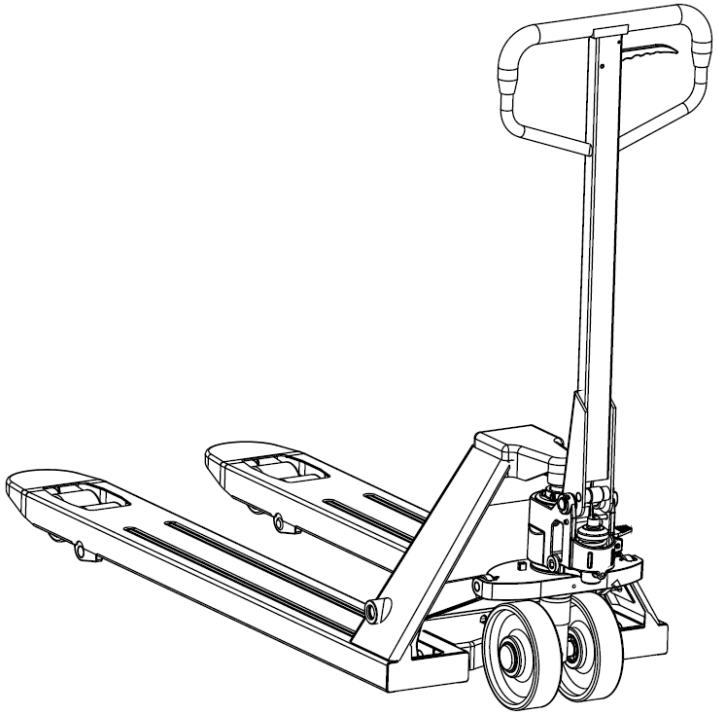
Operate manual

Hand Pallet Truck

This operator manual has information for all models of series **BF-H 2500/3000** plus some options and accessories.



Attention: Some of the illustrations and information may not apply to your truck.

Note: Owner and operator MUST read and understand this operating instructions before use this pallet truck.

Original Version No.: STX/BF-H/2607

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A Operate manual

1 Correct use and application

All of the information reported herein is based on data available at the moment of printing; the manufacturer reserves the right to carry out modifications to its own products at any moment, without notice and without incurring in any sanction. It is therefore suggested to always check for possible updates.

1.1 Safety Regulations

For your safety and correct use of this truck, please read and understand this manual and various warning labels on the vehicle before the first operation.

To ensure assistance at all times, this manual should be easily accessible when needed for reference.

The discarded outer packaging must be stored in a solid waste bin and recycled by the local environmental protection department. To avoid pollution, it is prohibited to dispose of packaging and other waste at will.

In order to avoid pollution caused by oil leakage during use, users must prepare dry oil absorbing substances (such as wood chips or dry cloth) to timely absorb oil stains in case of oil leakage.

To avoid secondary pollution, these used oil absorbing substances must be recycled and disposed of by relevant departments in accordance with local laws and regulations.

1.2 Use according to regulations

– It is prohibited to operate the hydraulic transport vehicle before receiving necessary training, being fully familiar with it, and obtaining authorization to operate.

– Before operation, pay attention to checking the condition of the vehicle, especially the wheels, handle components, forks, and push rods.

– Do not use this hand pallet truck on muddy or uneven ground.

– Do not place any part of your body near the mechanical lifting components of this vehicle, on the loaded goods, or under the forks.

– It is prohibited to carry people.

– It is best for operators to wear protective gloves for protection.

– Do not use this vehicle to handle loose or unbound goods.

– Do not overload.

– When handling goods, please pay attention to placing the goods in the center of the fork, and do not place the goods at the tail of the fork.

– Only when the weight of the goods is evenly distributed on the forks can this vehicle be used to its maximum load capacity.

– Please ensure that the fork length is greater than or equal to the length of the pallet.

– When not using this vehicle, please lower the fork to the lowest height.

– In some special circumstances or locations, operators should be cautious and operate with caution.

1.3 Standard Version Specifications

⚠ The technical data provided below are all standard data. Our company reserves the right to make technical changes and supplements.

1.3.1 Version Specifications-BF-H/BF-H-Q models

➔ **Quick-lift pump Hand Pallet Truck**

The feature: A high-flow two-stage pump raises the forks to pallet-engagement height within a few strokes, dramatically cutting pumping effort and speeding up the load-pickup cycle. Once the pallet is engaged, the pump reverts to standard lifting for smooth, controlled raising of the load.

Model No.		BF25-H (BF55-H) BF25-H-Q (BF55-H-Q)		BF30-H (BF66-H) BF30-H-Q (BF66-H-Q)	
Load capacity	kg (lb)	2500kgs (5500lbs)		3000kgs (6600lbs)	
Pump type	-	BF / BFQ(Quick-lift)			
Wheel type	-	PU/Nylon/Rubber			
size of steering wheel	ØD mm (in)	180*50 (7.09*1.97)	180*50/200*50 (7.09*1.97/(7.87*1.97)	180*50 (7.09*1.97)	180*50/200*50 (7.09*1.97/(7.87*1.97)
size of Loading wheel (single wheel)	Ød mm (in)	74*93 (2.91*3.66")	80*93 (3.15*3.66")	74*93 (2.91*3.66")	80*93 (3.15*3.66")
size of Loading wheel (double wheel)	Ød mm (in)	74*70 (2.91*2.76")	80*70 (3.15*2.76")	74*70 (2.91*2.76")	80*70 (3.15*2.76")
Lifting height	h mm (in)	120 (4.72")			
Max. fork lifting height	H mm (in)	195 (7.68")	205 (8.07")	195 (7.68")	205 (8.07")
Min. fork lifting height	H1 mm (in)	75 (2.95")	85 (3.35")	75 (2.95")	85 (3.35")
Fork outside distance	W mm (in)	520/550/685 (20.5/21.7/27")			
Fork length	L mm (in)	900/1100/1150/1220 (35.4/43.3/45.3/48")/2000			
Fork width	S mm (in)	160 (6.3")			
Steel thickness (After painting)	mm (in)	3 (0.12")		3.75 (0.15")	
Self-weight	kg (lb)	61.5~120kgs (135.6~151lbs)		71~125 (156.5~173lbs)	

1.3.2 Version Specifications-BF-H-G models (GALVANIZED HPT)

➔ **Galvanized Hand Pallet Truck**

The BF-H-G galvanized model features a fully zinc-plated (hot-dip galvanized) frame, fork, push rod and hydraulic unit, delivering excellent corrosion and rust resistance. It is specially designed for humid, wet, cold-storage, food & beverage, pharmaceutical, chemical and marine applications where ordinary painted trucks would quickly deteriorate. The galvanized finish requires minimal maintenance and significantly extends service life in harsh environments, while offering the same rated capacity, lift height and handling performance as the standard painted version.

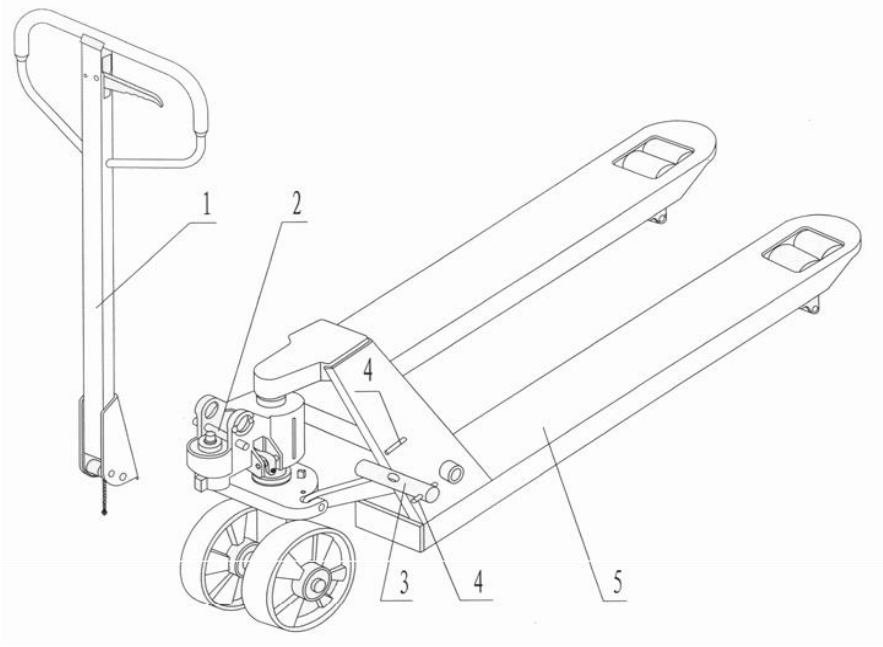
Model No.		BF25-H-G (BF55-H-G)	BF30-H-G (BF66-H-G)
Load capacity	kg (lb)	2500kgs (5500lbs)	3000kgs (6600lbs)
Pump type	-	BF	
Wheel type	-	Nylon	
size of steering wheel	ØD mm (in)	180*50/200*50 (7.09*1.97/(7.87*1.97)	
size of Loading wheel (single wheel)	Ød mm (in)	80*93 (3.15*3.66")	
size of Loading wheel (double wheel)	Ød mm (in)	80*70 (3.15*2.76")	
Lifting height	h mm (in)	120 (4.72")	
Max. fork lifting height	H mm (in)	205 (8.07")	
Min. fork lifting height	H1 mm (in)	85 (3.35")	
Fork outside distance	W mm (in)	550/685 (21.7/27")	
Fork length	L mm (in)	1150/1220 (45.3/48")	
Fork width	S mm (in)	160 (6.3")	
Steel thickness (After painting)	mm (in)	3 (0.12")	3.75 (0.15")
Self-weight	kg (lb)	61.5~68.5kgs (135.6~151lbs)	71~78.5 (156.5~173lbs)

2 Handle installation

If you have purchased a Hand pallet truck packaged with wooden pallets, you need to perform some simple installation before using it. You may need some tools during installation, such as a hammer, pliers, etc; In addition, some accessories are required:

- A perforated shaft,
- 2 spring pins(4) [note: one is already installed on the shaft (3)],
- Booth of the perforated shaft and 1 spring pin are packaged in a plastic bag and wrapped around the handle with tape.

Note: The number on the handle packaging paper and the number on the frame packaging paper must be consistent.



(Fig 1)

1, Handle assy., 2, Locking rod, 3, Handle shaft, 4, Spring pin, 5 Fork frame

2.1 Precautions

When installing the handle, it is best to squat at the rear of the vehicle and follow the following steps for installation.

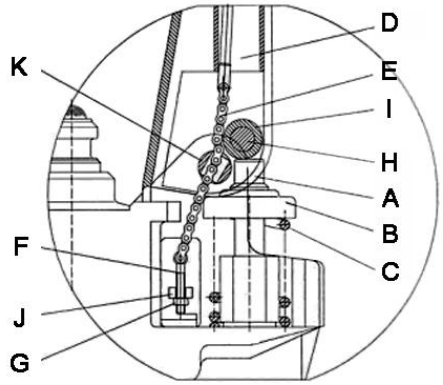
2.2 Installation steps

1, Insert the locking rod(#2) onto the pump piston, then use a hammer to insert the handle shaft with hole(#3) into the hydraulic pump and draw-bar from the right to left. (See fig. #1 and fig #2).



(Fig.2)

2, Let control handle to the 'LOWER' position, then pass the adjusting nut (G), adjusting bolt (F) and chain (E) through the hole of axle(K) with your hand (See fig. 3)



(Fig.3)

3, Press the draw-bar (D) down, take away the locking rod(#2 in Fig.1).

4, Let the control handle on 'RAISE' position, then raise the lever plate (J) with the locking rod (#2) and insert the adjusting bolt(F) into the front slot of lever plate, note to keep the adjusting nut (G) on the under side of the lever plate(J).

5, Use a hammer to tap another elastic pin into the axle with hole (K). The Draw-bar is now assembled to the pump.

2.3 Handle adjustment

On the draw-bar of this pallet truck, you can find the control handle which can be regulated in three positions (See figure 4):

- Raise handle down
- Drive position handle in center position
- Lower handle up, the lever moves back the drive position when released.

If however they have been changed, you can adjust according to following step:

3.1 If the forks elevate while pumping in the DRIVE position, turn the adjusting nut on the adjusting bolt or adjusting screw clockwise until pumping action does not raise the forks and the DRIVE position functions properly.

3.2 If the forks descend while pumping in the DRIVE position, turn the nut or adjusting screw counter-clockwise until the forks do not lower.

3.3 If the forks do not descent when the control handle is in the LOWER position, turn the nut or adjusting screw clockwise until raising the control handle lowers the forks. Then check the DRIVE position according to item 3.1 and 3.2 to be sure the nut or adjusting screw is in the proper position.

3.4 If the forks do not elevate while pumping in the RAISE position, turn the nut or adjusting screw counter-clockwise until the forks elevate while pumping in the RAISE position. Then check the LOWER and DRIVE position according to item 3.1, 3.2 and 3.3.

2.4 New-Style Handle– Optional Upgrade

The BF25-H / BF30-H hand pallet truck can be equipped with our new-style handle, a patented ergonomic upgrade. It is offered to customers as a free upgrade.

Key features:

– Soft-touch painted surface with a glossy (non-matte) finish for a comfortable, slip-resistant grip.

– Ergonomic upright angle of 84°–87° (vs. the traditional 90° right angle), reducing pushing/pulling fatigue and improving stability and labor-saving, especially under heavy loads.

– Finger-shaped grip with an arched pull-ring edge and a defined grip zone that guides the fingers to the optimal force position, based on the natural four-joint distribution of the hand.



– Spring-loaded paddle provides clear tactile and audible feedback (similar to a phone key), letting the operator confirm each action even without looking, and preventing mis-operation.

– Thickened top tube for added strength; the original rubber-wrap structure is removed to eliminate discomfort at the handle ends.

– Verified by 30,000-cycle handle-rebound and 30,000-cycle lift/lower tests with no abnormality.

3 Maintenance

➔ To ensure the normal use of the machine, please follow the maintenance instructions below for machine maintenance.

3.1 Hydraulic oil

⚠ Please check the oil level every six months. The oil capacity is about 0.3lt. Use the hydraulic type oil according to temperature scale below.

Temperature	Oil type
-20℃~+40℃	L-HV46 Hydraulic oil

3.2 Expel air from the pump

The air may come into the hydraulic oil because of transportation or pump in upset position. It can cause that the forks do not elevate while pumping in the RAISE position. The air can been banished in the following way: let the control handle on the LOWER position, then move the handle up and down for several times.

3.3 Daily inspection and maintenance

Daily check of the pallet truck can limit wear as much as possible. Special attention should be paid to the wheels, the axles, as thread, rags, etc. It may block the wheels. The forks should be unloaded and lowered in the lowest position when the job is over.

3.4 lubrication

During production, all bearings and shafts have been coated with durable lubricating oil. You only need to add lubricating oil to the required lubrication areas at monthly intervals or during each thorough cleaning.

3.5 Trouble shooting

No	Trouble	CAUSE	ACTION
1	The forks can not be up the max. height.	- The hydraulic oil is not enough.	- Pour in the oil.
2	The forks can not be lifted up.	- Without hydraulic oil. - The oil has impurities. - The nut is too high or the screw is too close, keep the pumping valve open. - Air come into the hydraulic oil.	- Fill in the oil. - Change the oil. - Adjust the nut or the screw .(see item 3.4) - Banish the air.(see item 4.2)
3	The forks can not be descended.	- The piston rod or pump body is deformed resulting from partial loading slanting to one side or over-loading. - The fork was kept in the high position for long time with piston rod bared to arise in rusting and jamming of the rod. - The adjusting nut or the screw is not in the correct position.	- Replace the piston rod or pump body. - Keeping the fork in the lowest position if not using, and pay more attention to lubricate the rod. - Adjust the nut or the screw. (see item 3.3)
4	Leaks	- Sealing parts worn or damaged. - Some part cracked or worn into small.	- Replace with the new one. - Replace with the new one.
5	The fork descends without the release valve worked.	- The impurities in the oil cause the release valve to be unable to close tight. - Some parts of hydraulic system is cracked or bored. - Air come into the oil. - Sealing parts worn or damaged. - The adjusting nut or the screw is not in the correct position.	- Replace with new oil. - Inspect and replace the waste parts. - Banish the air. (See item 4.2) - Replace with the new one. - Adjusting the nut or the screw . (See item 3.2)

⚠ **NOTE: DO NOT ATTEMPT TO REPAIR THE PALLET TRUCK UNLESS YOU ARE TRAINED AND AUTHORIZED TO DO SO.**

Fig. 4

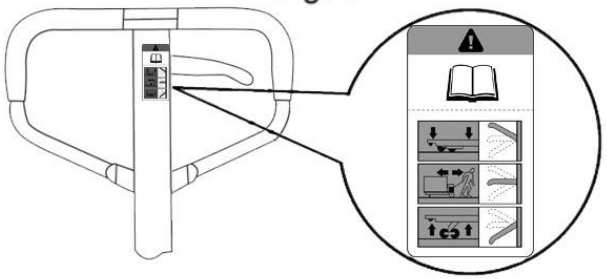


Fig. 5

