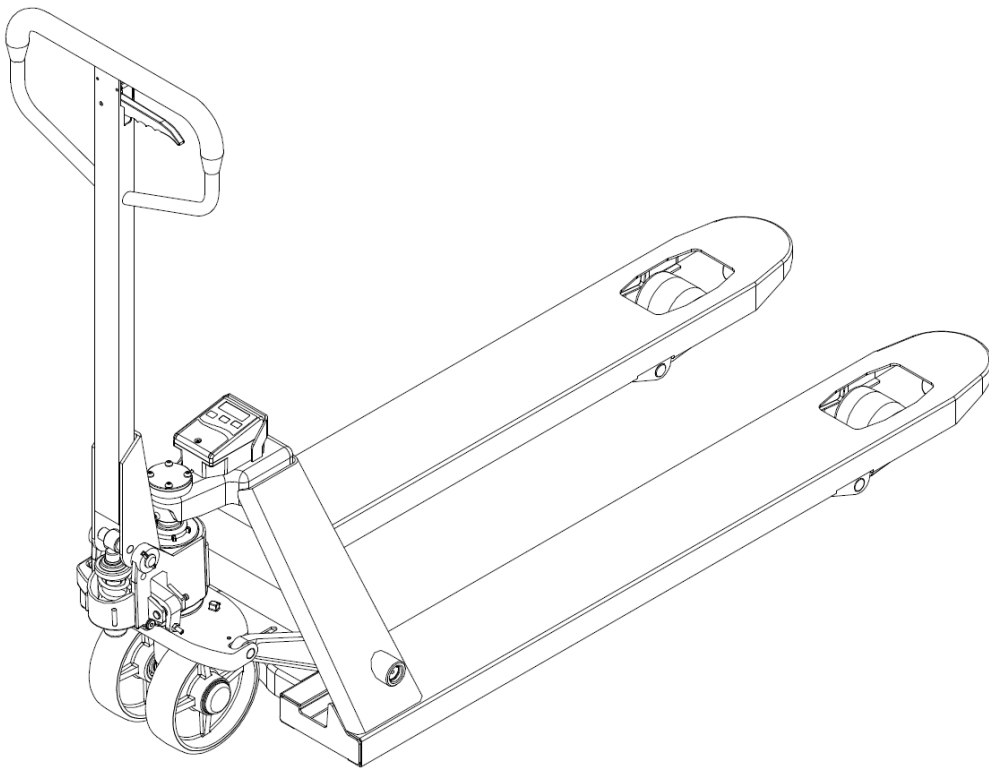


25HPW Electronic Scale Truck

- Operator's & Service Manual
- Parts Catalogue



Welcome to choose 25HPW electronic scale truck, Please read this operation manual before use. It will help for your safety.

Note: 25HPW electronic scale truck, is limited used for pallet weight distinguish in storage ,has the features of stable lifting and decline, portable operation, safety and Reliability. It is used on hard and flat inside ground. It is also can be used as material handling equipments.

Note: 1. Usage, maintain and service should be in accordance with the requirement of manufacturers.

2. Retrofitting or installing any attachments are not allowed in order to assure the safety.

1. Applicability

1.1 BFC6-V electronic scale truck, is used for weight distinguish in storage ,has the features of stable lifting and decline, portable operation, safety and reliability.

1.2 The working place must be non-slip, hard and flat ground without holes or obstacles.

1.3 The ambience lighting is 50 lux at least

1.4 Turning radius is 1216-1336mm

2. Main parameter

Capacity	(Kg)	2500
Max.lift height	(mm)	200/190
Lowered fork height	(mm)	85/75
Height of handleless	(mm)	494/484
Fork length	(mm)	1100/1150/1220
Width over the forks	(mm)	520/550/685
Steering wheel diameter	(mm)	Φ200/Φ180
Fork wheel diameter	(mm)	Φ80/Φ74
Dividing the value	(Kg)	2
Max deviation	(%)	±0.8%
Power		2 section 5# battery
Service weight	(Kg)	62-70

3. Assembly of hand pallet truck

3.1 Trucks will remove the handle when transportation. So customers should assemble the truck after purchase.

3.2 See fig 1, pull out the pin roll 1, and then pull out pin roll 2.

3.3 Insert the hand grip 3 to place A. Couple the hand grip 3 and pump body 4 with pin roll 2.

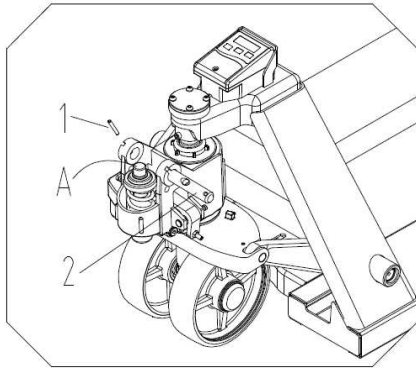


Fig1

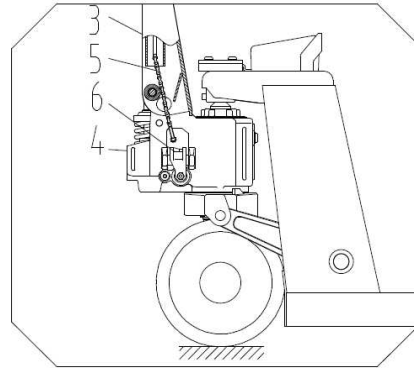


Fig2

3.4 See fig 2. Put the chain 5 of hand grip get across the middle hole of pin roll 2.

3.5 Take screw nut which is at the end of chain 5 and hitch the groove of lever board 6. See fig 2 and fig 4.

3.6 Then get the spring pin 1 through pin roll 2 and fix it.

3.7 See fig 3, turn the hand grip to the level position, pull out pin 7 and save pin 7 with care for next use.

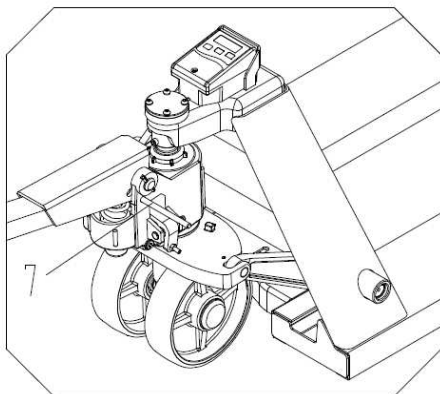


Fig3

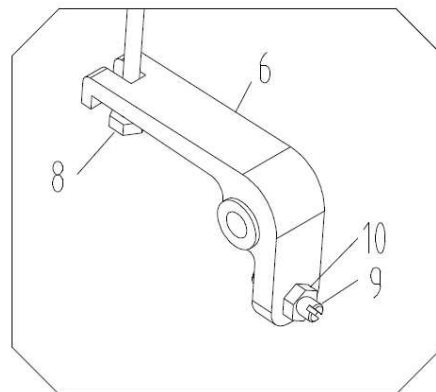


Fig4

4. Test of hand pallet truck

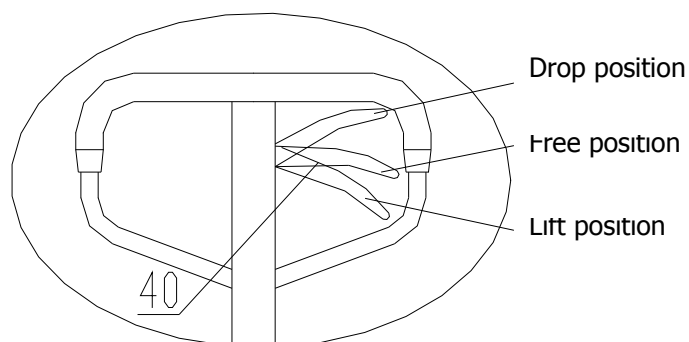


Fig5

4.1 After the truck is assembled, try to rock the hand grip and operate different positions of control handle knob 40 to examine the lifting, free position and dropping and check that whether the different positions are normal or not. See fig 5.

4.2 The screw 9 in fig 4 is used to adjust the truck situation. When the truck body drops immediately after it is lifted, you should turn the screw 9 a little counter-clockwise. And then try the truck again until truck body could lift normally. If the truck body couldn't drop after it is lifted, you should turn the screw 9 a little clockwise. And then try to operate truck again until the truck body could drop normally. The external hexagon nut 10 at screw 9 plays the locking function in the truck. So you should undo the external hexagon nut 10 before adjustment. And screw down the nut 10 after adjustment.

5. Operation instruction

5.1 Before operation of the hand pallet truck please make sure that whether the cargo weight exceeds the rated load capacity.

5.2 The cargo loading type is shown as fig 6

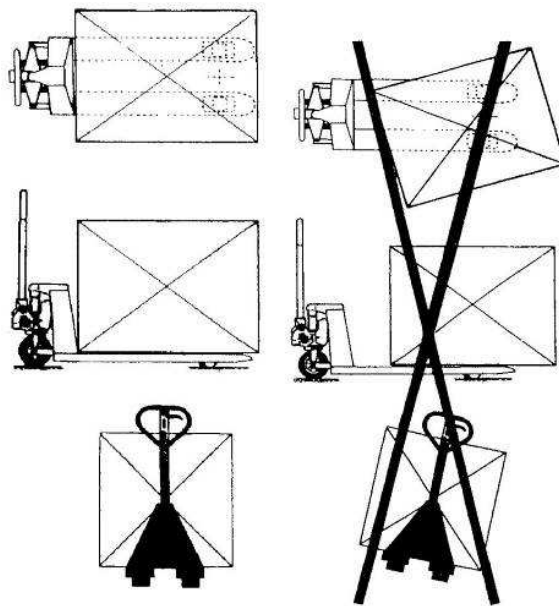


fig 6

5.3 See fig 5, when hand knob 40 is placed on the lift position, the truck will be in a state of lift. At this time, if you rock the hand grip, the truck will be lifted.

5.4 See fig 5, when hand knob 40 is placed on the free position, the truck will travel. At this time, if you rock the hand grip, the truck will neither lift nor drop. Then, you can use the truck to move the cargo.

5.5 See fig 5, when the hand knob 40 is placed on the drop position, truck forks will drop. At this time, the truck forks will drop automatically.

6. Display instrument operation introduction

6.1 Display instrument introduction

6.1.1 Display instrument operation as fig 7.

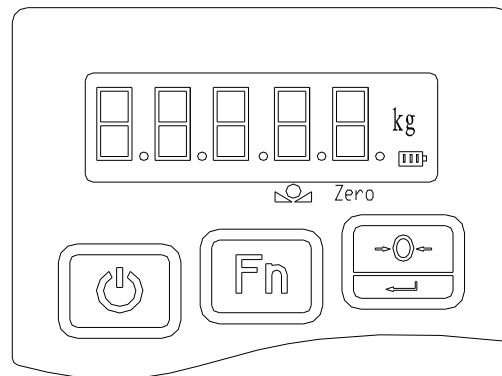





fig 7

6.1.2  is Startup & Shutdown button. Short press will start up, long press will shutdown.

6.1.3  is function keys. In the normal load condition by 2 seconds press, into the instrument parameter set state; enter the parameter setting, click this button to exit the Settings.

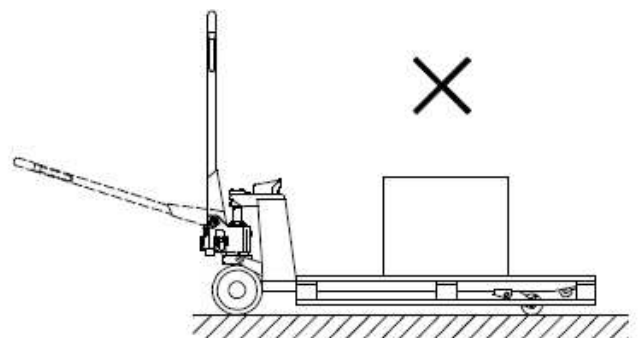
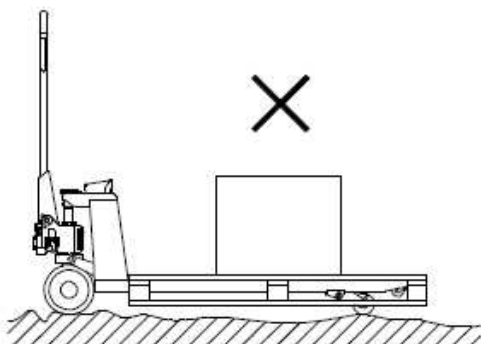
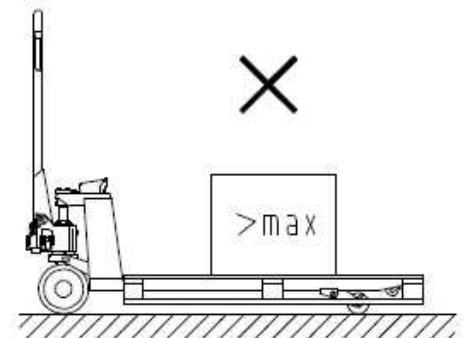
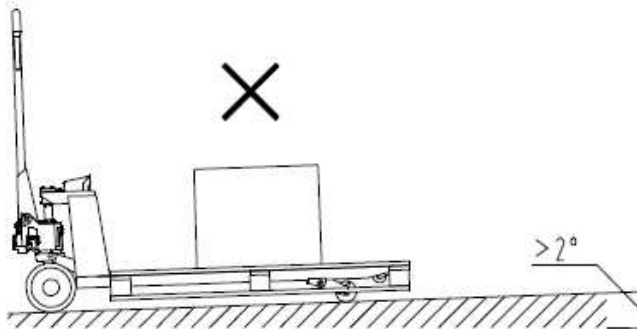
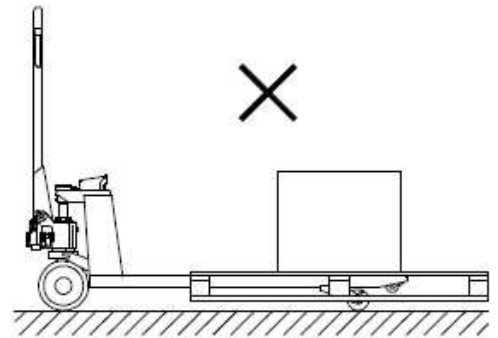
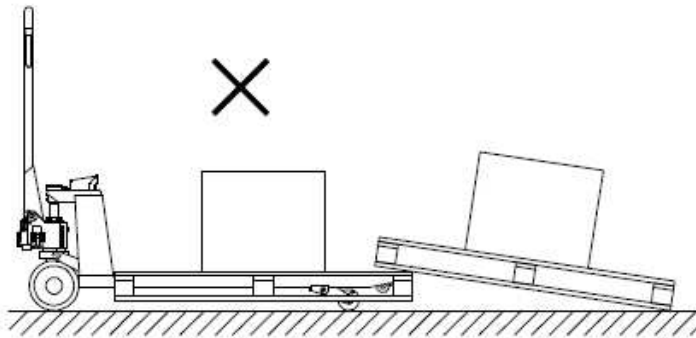
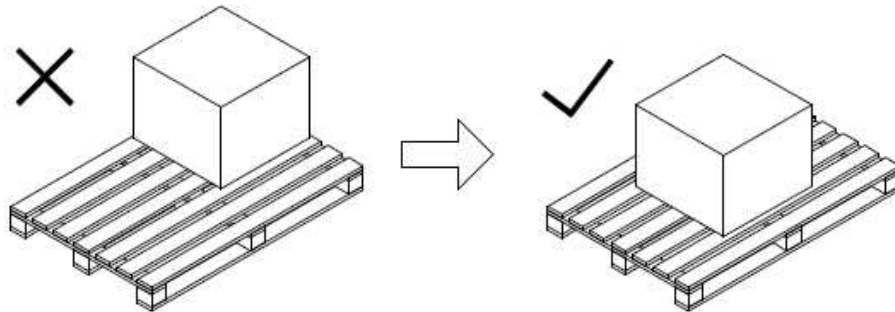
6.1.4  is reset button. "Reset" function and enter the parameter setting, "confirmed" function.

6.1.5  is the symbol of power display.

6.2 Weighting Operation Instruction

★Read the following instructions before weighing the goods. The goods being weighed must be heavier than 200kg to ensure the weighing precision.

6.2.1The following operation is forbidden:



Don't lift too fast/heavy .

6.2.2 The goods must be in the load center of the fork when weighing. Then rock the handle to lift the fork to the indicating position of the marker line shown in fig 8. Read it after the value is stable.

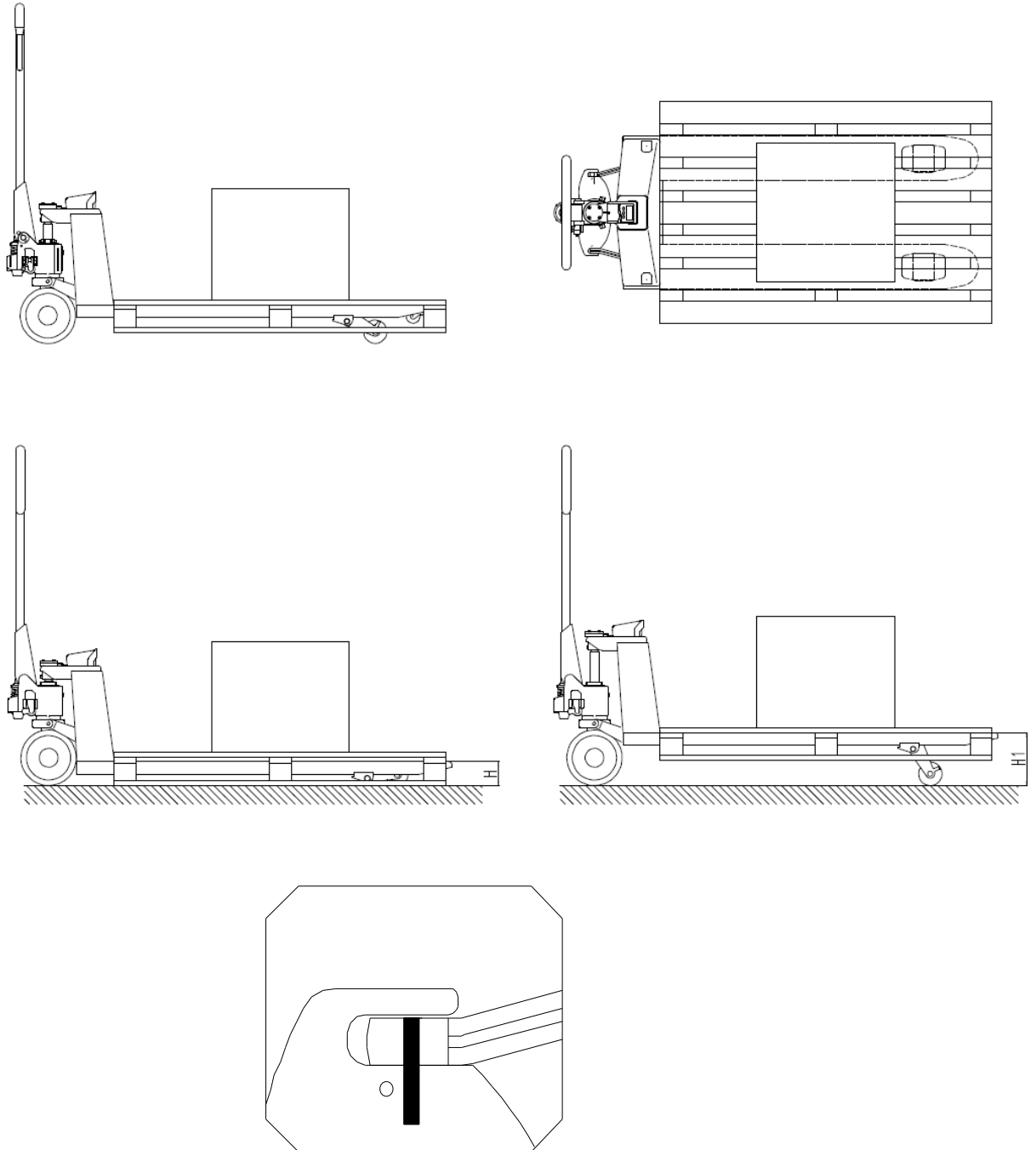


Fig 8

REMARKS:

1. Weighted cargo must be put uniformly on the pallet.
2. It is normal that scale number will decline when the goods remain unmoved for a long time at scale position because of creepage theory. Please lift and weight again.

7. Points for attention and safety norms

- 7.1 The operators must put on the work clothes, safety shoes and gloves during the operation.
- 7.2 The trucks should be locked in order to prevent moving.
- 7.3 When the truck is used for the motor vehicle, the truck must be moved slowly to ensure safety.
- 7.4 Do not park the truck on the slope or in emergency passageway.
- 7.5 Should make operation carefully when used on the slope and make sure to operate on the top of the slope.
- 7.6 Put the forks to the lowest place when parking.
- 7.7 Not allow to park in a place which block traffic or influence on working.
- 7.8 Not allow to use in a rainy circumstance.
- 7.9 It is forbidden for the operator to sit or stand on the hand pallet truck to operate the truck
- 6.10 Not allow to turn on slope.
- 7.10 Not allow to turn on slope.
- 7.11 Do not pile the cargo too high in order to prevent the goods from falling down or overturning of the truck.
- 7.12 Do not use the hand pallet truck to carry people.
- 7.13 Untrained personnel are not allowed to stand around the operation area in order to avoid injury caused by sudden malfunction.
- 7.14 Before the hand pallet truck is pushed into the elevator, the operator shall make sure that the elevator can bear the total load of hand pallet truck and cargo as well as the total weight of the operator and other personnel in the elevator. When entering the elevator, people should let the load enter first but not operator. When the load or hand pallet truck enters or leaves the elevator, other personnel should not stay in the elevator.
- 7.15 The hand pallet truck should be stored in dry and ventilated environment.

8. Check up before using

If the hand pallet truck is not used for a long time, air may get into the hydraulic system. Due to this, the trouble can be eliminated by the following method:

Set the handle to the lower position. Shake the handle four to six times then let go. It may repeat above procedures for several times if necessary.

9. Loading type and rated weight

The ideal loading type is that the gravity center of the cargo is just in the middle of the truck forks. The rated weight must be reduced when the cargo gravity center is not in the middle of the truck forks. The rated weight is shown as the label.

10. Oil

The oil capacity which oil pump needs is about 250ml (or 0.25kg). According to the ISO oil criterion, the choice of oil is 32# when the environment temperature during -5~40°C.

11. Care and Maintenance

Normal check everyday and getting rid of unusual phenomenon. Don't use faulted trucks in order to increase the service life. Should ask the professional person to repair if has

faults. The parts should be provided by manufacturers if need to change. Each rotational joints should be added motor oil once in every three months. Pay attention to the wheel and axle can not be wrapped by sundries. Keep the wheel lightly in order to fit with the safety requirement.

12. Possible faults and trouble shooting

No.	Faults	Causes	Trouble shooting
1	The forks can't be lifted to the maximum lift height	Hydraulic oil is not enough.	Add appropriate filtrated working oil.
2	The forks can't return to the lowest position.	1. Too much hydraulic oil. 2. The rotary parts are deformed or blocked. 3. The trunk piston and guides bushing are blocked.	1. Take out appropriate working oil 2. Replace the parts.
3	The forks can't drop after lifted.	1. There is something abnormal in the unloading device. 2. The parts are deformed and damaged.	1. Readjust the unloading device, see item 4.2. 2. Replace the deformed and damaged parts.
4	Hydraulic oil leakage	1. The oil seal is unavailable. 2. The surface of some parts is damaged or worn. 3. The coupled places become loosened.	1. Replace the oil seal. 2. Replace the damaged parts. 3. Fasten the loosened place again.
5	The fork can't be lifted.	1. The viscosity of the working oil is too high, or there is no working oil. 2. There is impurity in the oil. 3. There is something abnormal in the unloading device.	1. Replace the working oil. 2. Clear up the impurity and add new working oil 3. Readjust the unloading device, see item 4.2.
6	When the handle is rocked, the forks drop immediately after they are lifted; the handle returns or the forks drop markedly after they are lifted.	The valve of oil pump is blocked by abnormal matter.	Open the valve and take out the parts. Then re-install the parts after they are cleaned.
7	indicated weights has big deviation	truck is out of shape or abrasion will lead to meter has big weight deviation	recalibration meter
8	meter display Err01	out of the scope of reset	Remove the goods and press the reset button
9	meter display Err03	weight overload, or poor contact or sensors	Remove the goods or recalibration the instrument
10	meter display Err04	weight is not stable when demarcate	Demarcate again after put the

			goods stability
11	meter display Err05	does not meet the conditions of calibration loaded weight is less than 20kg	Adjust the loaded weight

13. Disposal of waste oil

The waste hydraulic oil shall be disposed in terms of relative laws. And it is forbidden to pouring out anywhere.

14. Warning

14. 1 Please read the operation instruction carefully before you operate the hand pallet truck and learn about all the features of this type of hand pallet truck.
14. 2 If you want to let the truck down by controlling the hand knob, you should better lift the hand knob a little at first, and then let the truck down slowly. It is forbidden to pull the handle knob with great force, because rapid dropping could cause some damages to both the hand pallet truck and cargo.
14. 3 Don't rock the hand grip at a high speed and in a high frequency.
14. 4 Don't load the cargo at a high speed.
14. 5 Do not overload the forks. Overloading could keep the hand pallet truck from working normally.
14. 6 The gravity center of cargo should be in the middle of truck forks. The offset of cargo could make hand pallet truck out of balance.
14. 7 Don't load loose or unstable goods.
14. 8 Don't put the goods on the truck fork for a long time.
14. 9 When the truck does not work, make sure that the truck forks are on the lowest position and the power should be cut off.
14. 10 It is forbidden to load people and let them stand on the forks to slide. Don't put any part of body below the cargo.
14. 11 Do not operate the unnamed position.
- 14.12 The truck shall be used, serviced and repaired according to the manufacturer's requirements and shall not be modified or have attachments fitted without ensuring that the truck is still safe.
- 14.13 Do not use the hand pallet truck at an insufficiently illuminated place.
- 14.14 Do not park the hand pallet truck by turning the hand grip to the right.
- 14.15 Do not use the hand pallet truck as bumper jack.
- 14.16 The extremity of fork arms shall not be used as a lever to lift a load.
- 14.17 It is forbidden to use the truck at places where a risk of unintentional movement exists.
- 14.18 It is forbidden to contact the truck with goods or cargo directly.
- 14.19 Do not use the hand pallet truck in a potentially explosive atmosphere.
- 14.20 During the operation of the hand pallet truck, the operator should pay more attention to the feet and any body part so as to avoid the risk of being crushed.
- 14.21 The truck shall be used, serviced and repaired according to the manufacturer's requirements.