

4-Small 5ton R Series Forklift Truck

OPERATION AND MAINTENANCE MANUAL



CPCD40/45-RG24	CPCD50-RXG24
CPC40/45-RG31	CPC50-RG24
CPCD40/45-RW5	CPCD50-RXW5
CPCD40/45-RW5B	CPCD50-RXW5B
CPCD40/45-RW19	CPCD50-RXW19
CPQD40/45-RW17-Y	CPQD50-RXW17-Y
CPQD40/45-RW17B-Y	CPQD50-RXW17B-Y

E-P Equipment Co., Ltd.

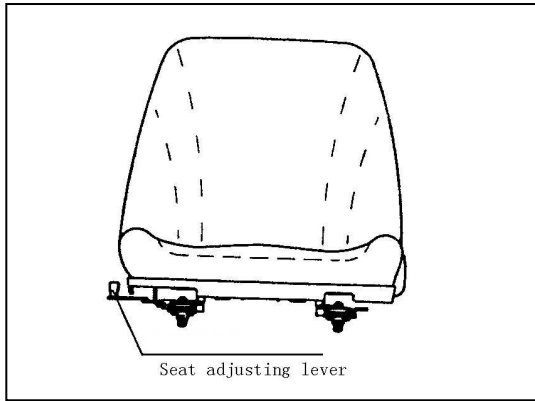
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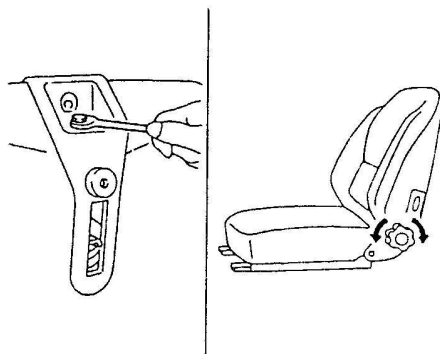
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Adjust operator's seat to position, which is comfortable for you and provides easy access to all hand and foot controls. The seat is unlocked by moving the adjusting lever to the right. Before proceeding with work, adjust operator's seat and make sure that it is securely locked.

Warning!

- a. Before adjusting the lever, you'd better turn of the key switch.
- b. Stop the truck to adjust the seat.



Seat weight support adjusting

Use spanner to adjust the bolt which is at the back of seat, or adjust the knob for supporting the weight on seat at the lift side of seat, to adjust the hanging's weight basing on person's weight.

It's better to sit on the seat when adjusting.

Overhead guard [5]

The overhead guard used is strong enough to meet safety standard, and protects the

operator from falling materials. It's permitted to use forklift without overhead guard.

Hood and snap close

To avoid opening the hood at discretion, a snap close is set here. Open the snap close first then the hood can be open.

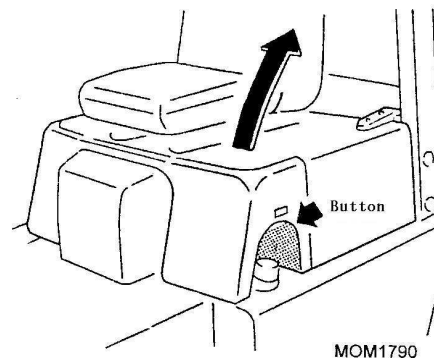
Hood [8]

The hood can be swung up fully to provide easy maintenance service. You can lift up the hood with little effort with an aid of hood damper. To lock the hood, push down on the front of hood until it covers.

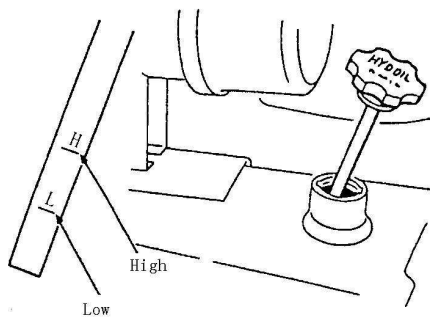
Caution

Before open the hood, the handle of the snap close should be pulled out first.

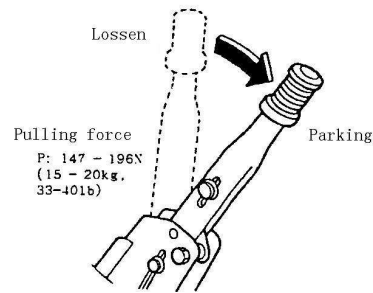
Use caution not to catch your fingers in the hood when closing it.



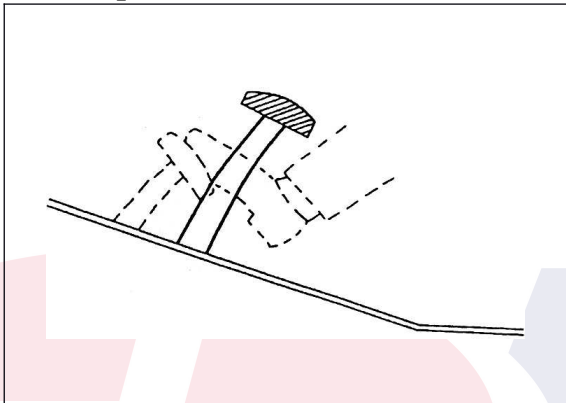
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10. Brake pedal, inching pedal and clutch pedal check



Press the brake pedal fully when the engine is running, the distance between brake pedal and front soleplate should be more than 60mm.

Check the inching pedal and clutch pedal through the same method.

Height and the clearance H:

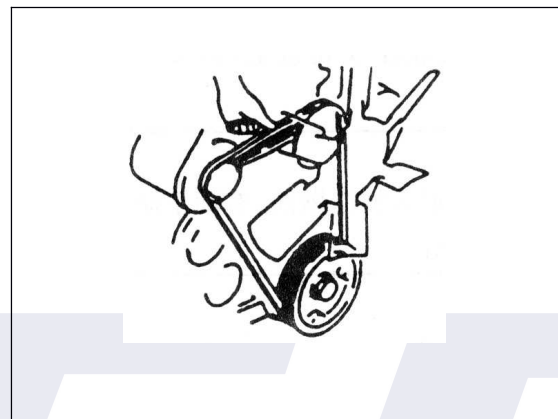
	Free height	Free play
Brake pedal	140±50	1-3
Inching pedal	140±50	touching bolt of inching pedal – brake pedal: 0.9-3.4mm
Clutch pedal	140±50	2-5

11. Parking brake lever

Make sure that the parking brake lever return back is in good condition after securely applied.

The force on this lever should be 147-

12. Fan belt tension check



Stop the engine.

Use finger to press the belts at the midway between the water pump pulley and the generator pulley by 10kg press, and check the drop distance if is up to standard.

Engine	Drop distance (mm)
495BPG	10~15
LR4108	10~20
TD42	New 14~16 Old 16~18

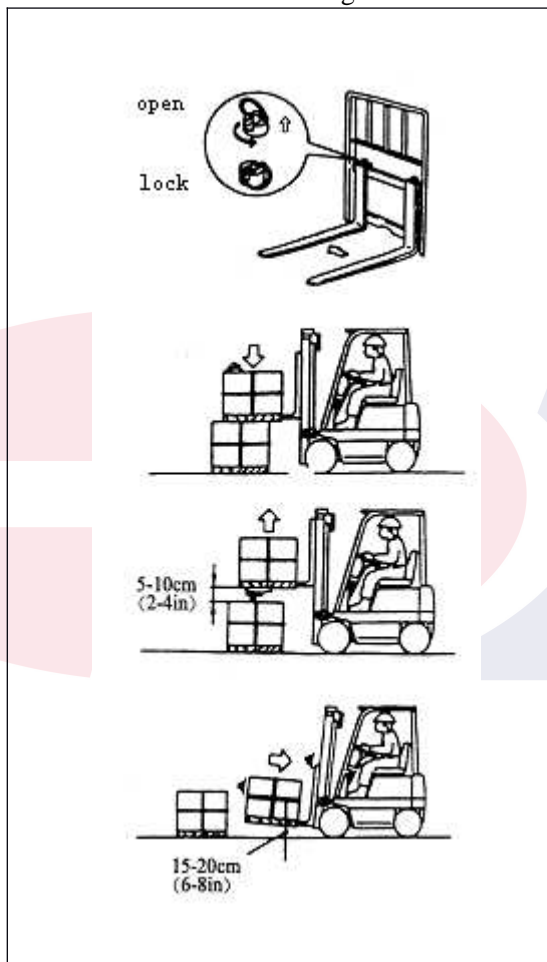
Warning

If the belt has already been pulled long, cut out or has no surplus, it should be changed.

If the engine is still running, it's permitted to carry on this check avoiding fingers or sleeves being caught up in.

3. Pick up

- The forks should be adjusted sidewise to maintain proper balance of load.
- Place the machine right in front of the load to be handled.
- The pallet should be evenly positioned across both forks.
- Insert forks into the pallet as far as possible.
- To raise loads from the ground.



- ① First lift the forks 5 to 10 cm off the ground or floor and make sure loads rest stable.
 - ② Then, tilt the mast backwards fully and lift forks up to 15 to 20 cm off ground then start running.
- When handling bulky loads which restrict your vision, operate the truck in reverse except when climbing grades.

4. Stacking load

- When approaching the deposit area slow down your truck.

- Once stop the truck right in front of the area where your load is to be deposited.
- Check the condition of the deposit position.
- Tilt the mast forward until forks become horizontal. Raise forks until they are a little higher than the deposit position.
- Move forward to place the load directly over the desired area and stop the truck.
- Make sure your load is just over the desired area. Slowly lower the load into position. Make sure the load is securely stacked.
- Disengage forks from the load by using necessary lift-tilt operation and then back away.
- After making sure the fork tips leave the load, lower the forks to the basic position (15 to 20 cm off the ground).
- Tilt the mast backwards.

Warning!

Never tilt the mast with loads upraised 2m or more.

Don't leave or dismount from the truck when the load is raising high.

5. Remove load

- When approaching the area where the load is to be retrieved, slow down your truck.
- Stop the truck in front of the load so that the distance between the load and fork tips is about 30 cm.
- Check the condition of the load.
- Tilt the mast forward until forks become horizontal. Elevate forks up to the position of the pallet or skid.
- Make sure forks are positioned properly for the pallet. Move forward slowly to insert forks into the pallet as far as possible and then stop the truck.

Caution

If the forks are hard to be fully inserted, use the following procedure: move forward and insert 3/4 of the forks. Raise the forks 5 to 10 cm and move backward 10 to 20 cm with the pallet or skid on the forks, then lower the pallet or skid on the stack. Move forward again to insert the forks fully.

9. Truck's convey, lifting, towing

Hoist the truck

• Use the steel wire ropes to tie the holes in the two side of the outside mast's beam and the hook of the counter balance, then use the lifting device to hoist the truck.

Warning

- When hoist the truck, don't coil the overhead guard with the steel wire.
- The steel wire ropes and the lifting device must be very firm to support the truck because the truck is very heavy.
- Don't lift the truck by hoist the overhead guard.
- When lifting the truck, don't take yourself below the truck.

Convey

• The forklift truck is designed for material handling and short-distance transportation only.

It is inappropriate for long-distance transportation. The Fork Lift Truck must be transported by ship, train or lorry, of 5T loading. Tighten the brake lever, take woods to block the front and rear wheels and bind the truck body with enough strong rope, to avoid slippage during transportation.

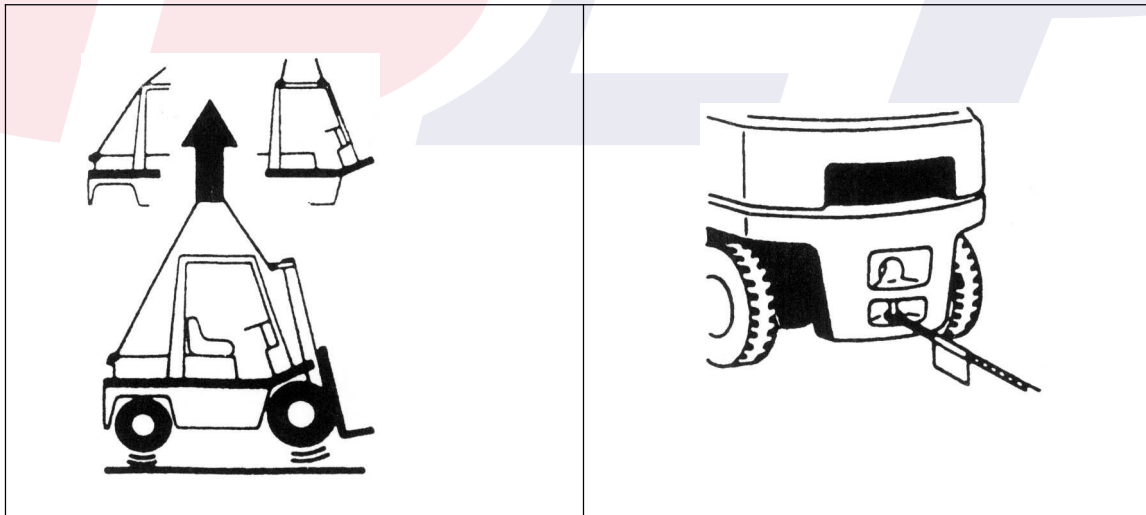
Towing

• The towing rod on the bottom of the counter balance is used to pull and drag the truck, For installing the rod, first remove the towing rod and then install the ropes. After that, loose the rod.

Note: Loosen the brake lever.

Warning

- a. Don't tie the steel wire ropes on the unfixed position
- b. Don't carry a load to steel wire ropes suddenly.



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