

FOTON SKIP LOADER TRUCK



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Skip Loader Truck



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OWNER'S MANUAL

Preface

Thank you for purchasing CEEC TRUCKS products. For better using your FOTON skip loader truck, get the best operating performance, we strongly suggest that before the operation process you could read this manual instructions carefully, and to manipulate the program handily.

The manual detailed describes the performance of water tanker truck, structure, usage, precautions and maintenance of such knowledge. While showing details of the truck, both pictures and description will together help you get better understanding of how to use truck. Before the operation, the skilled operator should carefully read the contents of the manual.

After master the truck performance characteristics, methods of operation and precautions, then could start to operate this bucket truck. In order to ensure the staff turnover after the operation, and properly use of the truck. This manual book must be properly kept, shall not be lost and damage.

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Chapter 1. General Description

*CEEC TRUCKS Skip Loader Truck based on type II FOTON 4*2 model small chassis, garbage container capacity could up to 2,500liters, mainly used for waste collection, storage and transportation, and the working aerial can be city street, factory, community and other areas of need.*

*The vehicle designed to fully rely on the advantages of the original FOTON 4*2 LHD chassis, fully consider the product's convenience and reliability. The garbage container material is international standard carbon steel, both internal and external with anti-rust painting, which can effective to avoid rusting. As for container capacity, this can be up to 2.5 CBM, with hydraulic joysticks for easy operation. And can cover all customers' waste collection & transportation requirement.*

*The FOTON 4*2 Hook Loader Truck equipped with 2.5CBM uncovered garbage container, hydraulic operation joysticks, and designed whole length within 4 meters. Therefore, the vehicle is an ideal Hook Loader Truck mainly garbage collection & delivery.*



(Preview for your FOTO Hook Loader Truck)

Chapter 2, Main Technical Data

Basic parameter:

Items		2.5 CBM FOTON Hook Loader Truck
S I Z E	Outer Dimension (L×W×H) (mm)	3990*1526*2180
	Wheelbase (mm)	2300
Kerb Weight (kg)		1890
G E A R	Gearbox brand	FOTON
	Model	5-shift gearbox
	Type	Manual
Cab capacity (includes driver)		2
E N G I N	Model	QUANCHAI
	Type	Four cylinder inline, four stroke, turbocharged Inter-cooling, diesel
	Rating Power (kW/HP)	50 / 68

Note: 1. The vehicle height includes hook loader point.

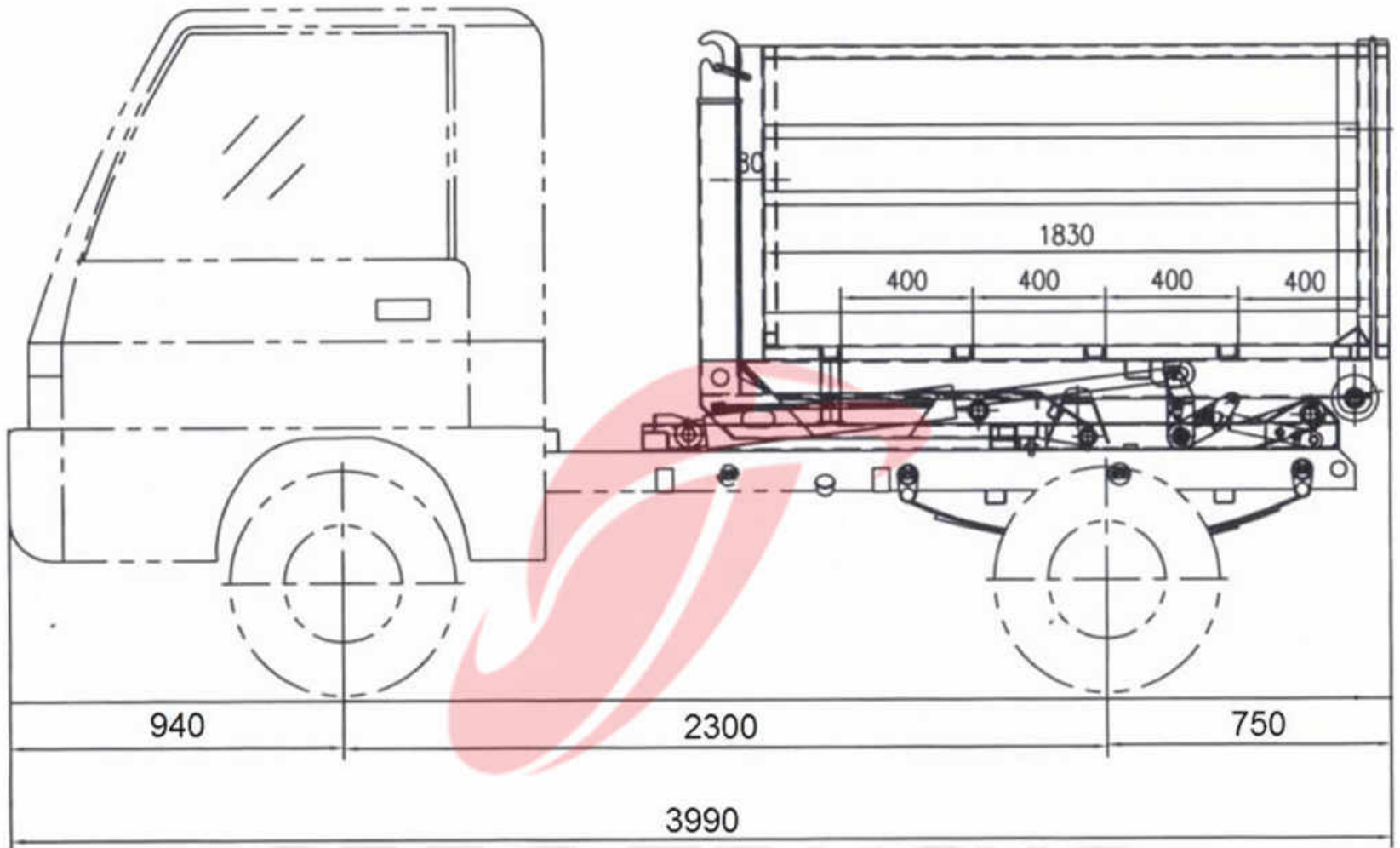
2. We keep the right to revise the parameters on the list above.

Hook Loader Superstructure basic parameter list

Items		Parameter	
G a r b a g e C o n t a i n e r	Capacity (CBM)	2.5	
	Material	Standard Carbon Steel	
	P a i n t i n g	Internal	With anti-rust painting
		External	White painting with standard logo
H o o k L o a d e r D e v i c e	Operation	Manual Operation Joysticks	
	Cylinder	Special Double cylinder device	
	Safety Assurance	Balance valve for safety	
	Operation Mode One	Garbage container locked, the truck can be act as garbage dumper truck	
	Operation Mode Two	Garbage container unlocked, and containers can be hung up and down	

Chapter 3, Hook Loader Truck Structure Components

Overviews for FOTON 4*2 hook loader truck technical drawing:



Above drawing show the hook loader truck dimension for reference; the garbage container designed uncovered, with rear open door easy for garbage discharge.

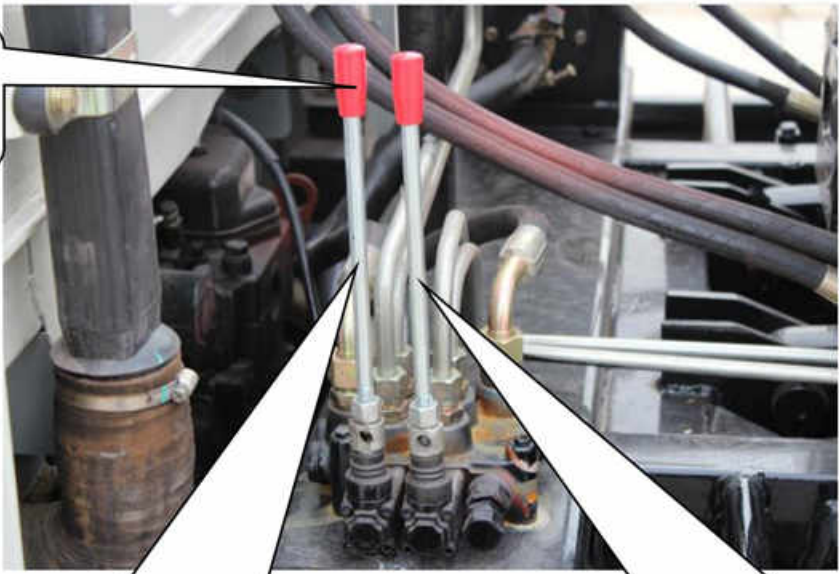
Left View: Hook arm, Garbage container, Manual operation joystick
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Hook Arm Device
 Special two cylinders with
 balance valve for safety

Garbage Container
 Volume can be up to
 2cbm, with rear door



Manual Operation Joysticks



LEFT Joystick
Control the garbage container
Up & Down

RIGHT Joystick
Control the garbage
container Locked & Unlocked

Rear View: Rear door & safety fence.



Container rear door with manual lock

Rear safety fence

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Garbage container rear door lock



Chapter 4, Hook Loader Truck Working Principles

The operator should fully understand Whole Structure and Working Principle for FOTON 4*2 Hook Loader Truck before any operation. Only trained person can operate this vehicle properly and to prevent unnecessary accidents and equipment damage.

i ,How are the Hook Loader Truck working?

The FOTON 4*2 Hook Loader Truck makes use of the special power take off (PTO) to get power from the engine, and then use the power to control hydraulic cylinder. Operate the manual hydraulic cylinder to realize garbage container Loading & Unloading working. Then can be used for garbage collection and transportation.

ii ,What is the main component for truck?

The hook loader truck is refitted based on the FOTON LHD 4*2 chassis. The refit part includes Garbage carrying assembly, actuator device, hook loader system and operation system.

- Garbage carrying assembly: A carbon steel container uncovered, which is used to collect garbage.
- Actuator device: includes power take off, drive line, etc., which can pass the power from the chassis to the hydraulic system.
- Hook loader system: includes hook loader arm, two cylinders & balance valve, which combined working for lifting the container
- Operation system: helps come to all special functions' convert.

iii, How to operate hook loader trucks?. **(Very Important)**

1. Ready to work

(If idle for a long time, please keep the truck engine run for a few minutes. Also, should ensure fuel tank and water tank are enough.)

Step 1

Thoroughly check the hook loader truck to make sure working environment is good. Then start the truck engine. Press the Clutch Pedal, meanwhile press the Accelerator Handle Cable to Working Position.



Clutch Pedal

Accelerator Handle Cable



Truck Driving Position



Working Position

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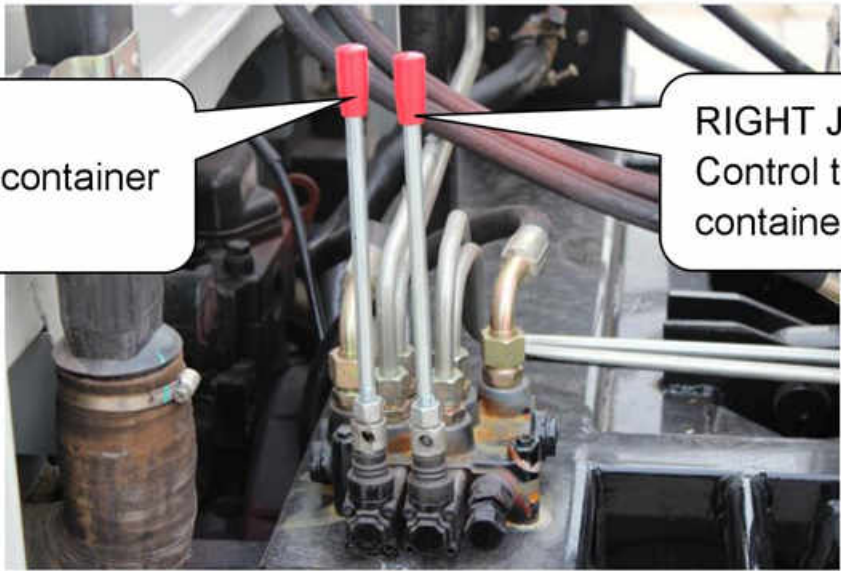
NOTE: Please keep the Accelerator handle Cable at Driving Position while driving the truck!

Please do not operating the garbage compactor system while driving the truck!

Step 2

Be familiar with how Operation Manual Joysticks can control the hook loader truck

LEFT Joystick
Control the garbage container
Up & Down



RIGHT Joystick
Control the garbage
container Locked & Unlocked

LEFT Joystick: Control the garbage container Up & Down

Operation 1, PUSH INSIDE → Garbage container Up

Operation 2, PULL OUTSIDE → Garbage container Down

RIGHT Joystick: Control the garbage container Locked & Unlocked

Operation 1, PUSH INSIDE → Garbage container Unlocked

Operation 2, PULL OUTSIDE → Garbage container Locked

Step 3



Operation Mode One: Garbage container loading & unloading working

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1. Push RIGHT Joystick inside, the garbage container unlocked
2. Pull LEFT Joystick outside, the garbage container unloading to ground

Push LEFT Joystick inside, the garbage container loading on truck

Control the garbage container
loading & unloading working



Operation Mode Two: Container garbage discharging working

1. Pull RIGHT Joystick outside, the garbage container locked
2. Push LEFT Joystick inside, the garbage container lifting to discharge garbage
Pull LEFT Joystick outside, the garbage container down to safety position

Control the container garbage discharging working



Step 4

IMPORTANT to know how to Stalling off hook loader truck engine

PUSH outside this button to stalling of the FOTON hook loader truck



Chapter 5, Others for Attention

After carefully reading the above information, you must be well known how to use the FOTON Hook Loader truck; below show some parts you need to pay attention while using the truck.

- 1. Please strictly follow the Operation Manual, and note that only skilled worker can be allowed operate the hook loader truck.*
- 2. Carefully checking the working environment, if the working place is slope with angle over 12%, you need to use block brake the wheel.*
- 3. Keep nobody stand around when operating the hook loader truck.*
- 4. Before operating the hook arm system to load and unload the garbage container, make sure the garbage container has been unlocked*
- 5. Please do not adjust the hydraulic oil pressure, for which has been set in factory.*
- 6. Please strictly follow the Owner's Manual to operate the hook loader truck. If any unusual phenomenon happens during operation, you should stop the working immediately and carefully found out the reason, only when the troubleshooting then you can restart working.*
- 7. The Hydraulic Oil should keep clean during working, if the oil becomes dirty, please kindly change the oil to make sure the truck can work smoothly.*

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Chapter 6, Troubleshooting

Please kindly checking below possible troubleshooting, which just for your reference.

Malfunction	Possible Reason	Solution
Oil Cylinder Piston Rod Oil leakage	<ol style="list-style-type: none"> 1. Sealing ring damage 2. Surface of the piston rod scratch 	<ol style="list-style-type: none"> 1. Carefully checking the sealing ring, change new one if necessary 2. Use sandpaper burnish it, change new one if necessary
Piston Rod Movement is Crawl or Peristalsis	<ol style="list-style-type: none"> 1. Hydraulic cylinder or hydraulic oil mixed with air 	<ol style="list-style-type: none"> 1. Eliminate air
The Hydraulic Cylinder Lifting Powerless	<ol style="list-style-type: none"> 1. Piston sealing element damage 2. System pressure too low (The safety valve imbalance) 3. System pressure too low (The internal leakage) 4. Oil pump damage 5. Hydraulic oil storage shortage 6. Oil filter blocked 	<ol style="list-style-type: none"> 1. Checking & replace the sealing element 2. Checking & adjust the safety valve pressure 3. Checking & replace the element 4. Checking & replace oil pump 5. Checking & refueling hydraulic oil 6. Checking & replace oil filter
External Leakage	<ol style="list-style-type: none"> 1. Sealing ring damage 2. Oil pipeline surface damage 	<ol style="list-style-type: none"> 1. Checking & replace new sealing ring 2. Checking & replace new pipeline

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