

10 tons (4) ton-level overhaul jack

Operating instructions and parts catalog

This tool is a car repair jack with a plunger barrel and 14 accessories. It is widely used in car and truck body maintenance, especially suitable for field operations without power supply. When in use, the accessory can perform vertical and horizontal pushing, pulling, lifting, and stretching functions.

Operation method

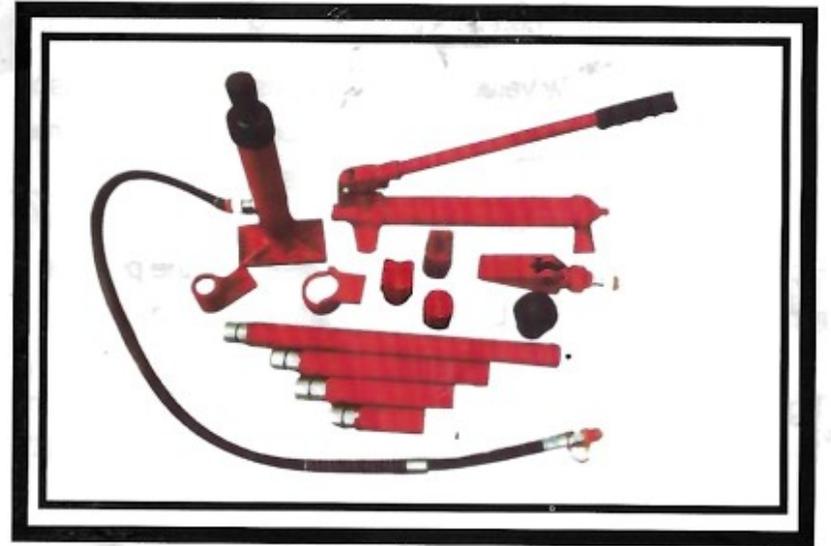
1. Rotate the overflow valve handle clockwise, and then push the handle. When the overflow valve is closed, the plunger rod of the plunger barrel can be lifted upwards.
2. Opening of the overflow valve
Rotate the overflow valve counterclockwise, and the plunger rod will automatically fall back to the starting position.
3. Activation of the plunger barrel
Tighten the hose connector of the check valve, this is the plunger barrel into the activated state.
4. Lifting limit of plunger barrel
Don't lift overload. If the lift is overloaded, the pressure is unbearable, so you must pay attention. If the plunger has reached the limit, never let the plunger barrel pressure continue to rise.

CAUTION: simple problem occurrence and elimination

Question 1	When using a separate jack and connecting it correctly according to the instructions, when using the pump core with a tap, the piston cylinder does not respond (name: not working)
Answer	Because the steel ball settled in the suction hole for too long. Remedy: 1. Unscrew the oil drain valve, and press the oil pump core to work up and down 10-15 times. 2. Close the oil drain valve tightly, and press the hand oil pump core to work up and down 5-10 times. 3. Operate back and forth 3 times according to this exclusion method 1, 2. Can solve the problem and work normally.
Question 2	When using a separate jack. After correct connection according to the manual. When using the oil pump core with a tap. The piston cylinder is working, but the piston head rises and needs to go down again (not working properly).
Answer	1. The drain valve is not tightened: Solution: Tighten the drain valve. 2. The steel ball of the oil drain valve hits the residue (iron filings, etc.) and the oil drain valve cannot be closed tightly. Remedy: (1). Unscrew the oil drain valve, and press the oil pump core to work up and down 10-15 times. (2). Then close the oil drain valve tightly, and press the oil pump core to work up and down 5-10 times. 3. Operate back and forth 3 times according to this troubleshooting method 1.2 to solve the problem and perform normal work.
Question 3	When using a separate jack and connecting it correctly according to the instructions, when working with a tapping oil pump core, it is found that the piston cylinder is inclined or the ejector rod is bent.
Answer	When using a separate jack and connect it correctly according to the instructions, the cylinder and the square base must be connected when using the pump core with a tap, and put on a hard block or backing plate. When you find that the jack is inclined or bent during work, you should Stop work immediately, re-select the position, put it vertically and work again
Question 4	When the separate jack is used 30-50 times. The most ideal method is to replace the hydraulic oil. When replacing the hydraulic oil, it must be replaced when it is not working.
Replacement method	Unscrew the bolts of the rear cover of the oil pump, pour out the original hydraulic oil (preferably clean the oil storage barrel with clean oil), and then pour it into the oil pump storage barrel with an oil gun or a special oil drum. In case it is difficult to reset the piston after work. If it is difficult to reset the piston rod, unscrew the bolts of the oil pump back cover to remove air, and tighten the back cover bolts after the piston rod is reset.
	4 ton separate jack to replace hydraulic oil (No. 15) 250g±5g
	15 ton separate jack to replace hydraulic oil (No. 15) 500g±5g

HYDRAULIC BODY-FRAME REP AIR KIT

Operating instructions



Valve

Please do not lift heavy objects that exceed the lifting capacity, and do not extend the piston indefinitely.

Turnbuckle protection

Put the protective ring and plug on the protective turnbuckle of the piston.

When the hose is not connected, connect the dust cover.

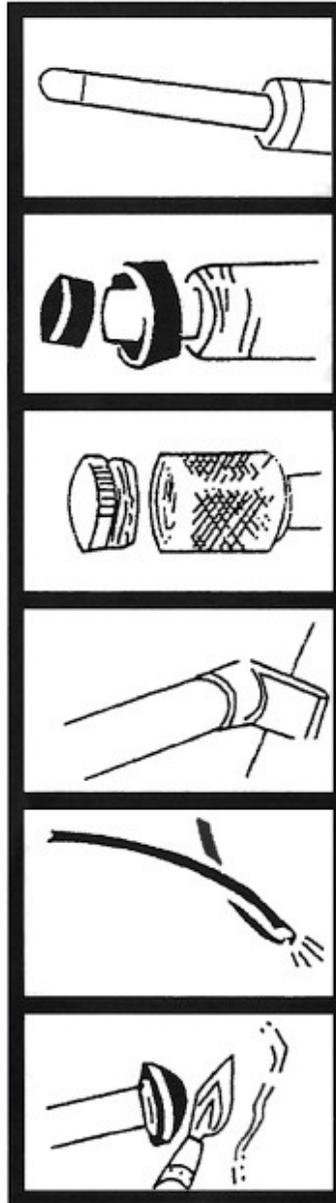
Lifting in non-central position

When the heavy object is not on the center of the lifting piston rod, please operate carefully. If you feel that it is difficult to press the handle, please stop the operation. And adjust the center.

Do not put heavy pressure on the hose and avoid tight winding. Keep the hoses and joints clean.

Fire and heat protection

Please keep the machine away from hot spots and fire.



5. Working status of the oil pump

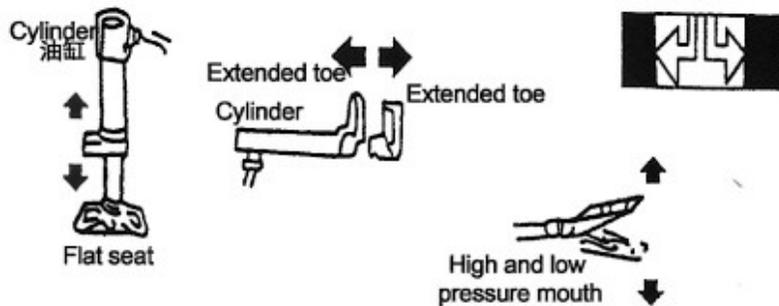
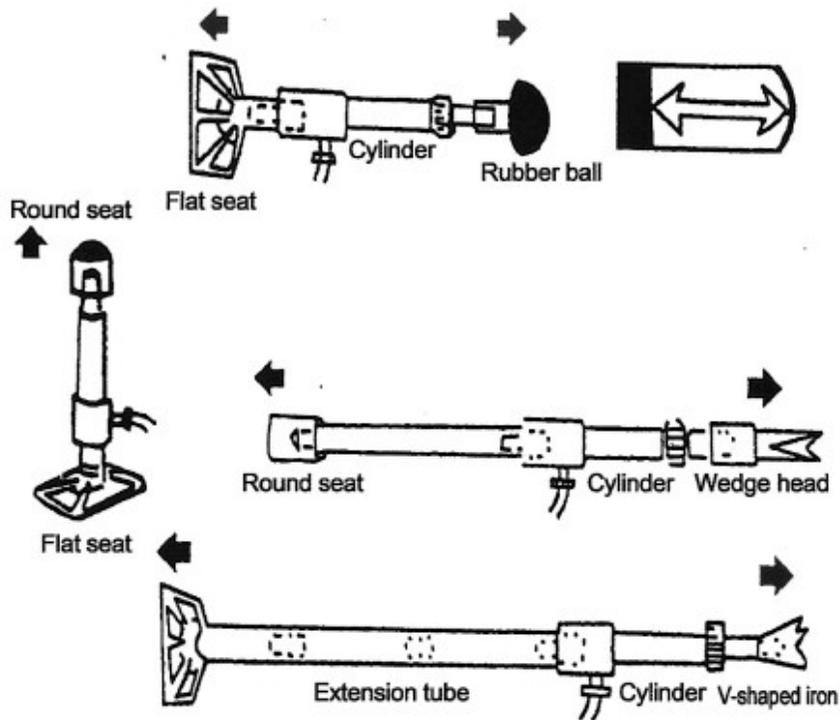
As long as the hose joint is in a downward condition, the oil pump can be placed in a horizontal to vertical position and can work.

Maintenance

1. The plunger barrel cannot exceed the maximum lifting weight.
2. When the machine is not in use, the plunger barrel should be covered with a protective cover to prevent the external thread of the simplified version from being damaged.
3. Keep the oil pure and prevent foreign matter from entering the plunger barrel and the check valve. When used for 1-3 weeks or more than 50 times, replace No. 15 hydraulic oil. The oil quantity is according to the technical parameters.
4. No. 15 hydraulic oil must be used. It is strictly forbidden to substitute brake fluid.
5. Do not press heavy objects on the rubber hose, do not bring it close to fire, avoid excessive bending and kinking of the hose, and do not drag the pump body through the rubber hose.

Technical Parameters

1. Maximum lifting weight: 4T 10T
2. Maximum lifting stroke : 120mm 135mm
3. Lowest height of the plunger barrel : 278mm 390mm
4. Hydraulic oil specifications: 15# OIL 15# OIL
5. Oil quantity: 250 grams 500 grams
6. Net weight: 20kg 32Kg

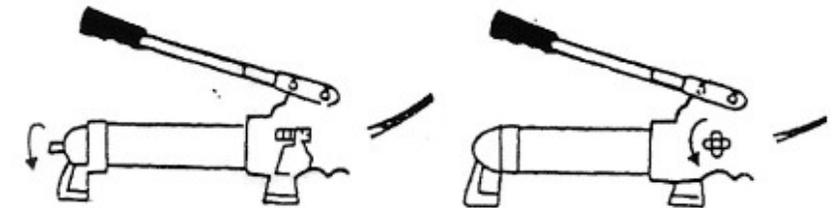


How to use:



Before using for the first time, you can choose to loosen the screw to discharge air to make the cylinder work normally

Tighten the valve clockwise and press the handle up and down to give pressure



This screw can also be loosened and filled with oil

Turn this valve counterclockwise to release the pressure

Pump position:
The position of the pump body, the oil pump can be rotated vertically and parallel, but the hose joint part should be kept at the bottom in the vertical direction

