

Shandong Shengshi Hecheng Machinery Co., Ltd

Qianlong brand hydraulic oil press installation instruction manual

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Dear Users,

First of all, thank you for purchasing the "Qianlong" brand hydraulic oil press series products! In order to better grasp the installation essentials of hydraulic oil presses, please read this manual carefully. If you have any questions during the reading or installation process, you can call our technicians.

1. Quickly understand the parts of the oil press (A)

Remarks: Our company's current new model has been upgraded, no travel ruler is required, and the picture is for reference only

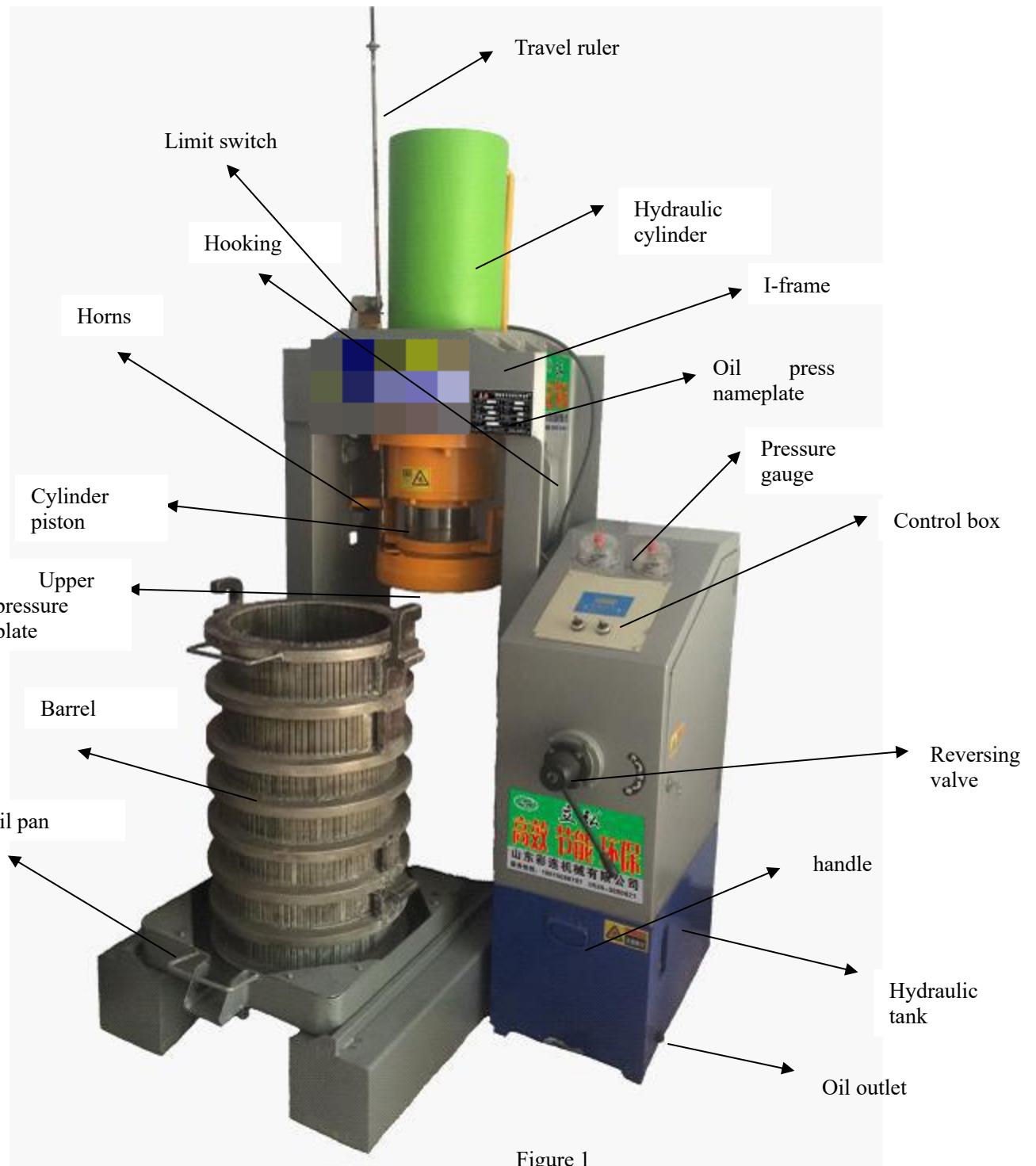


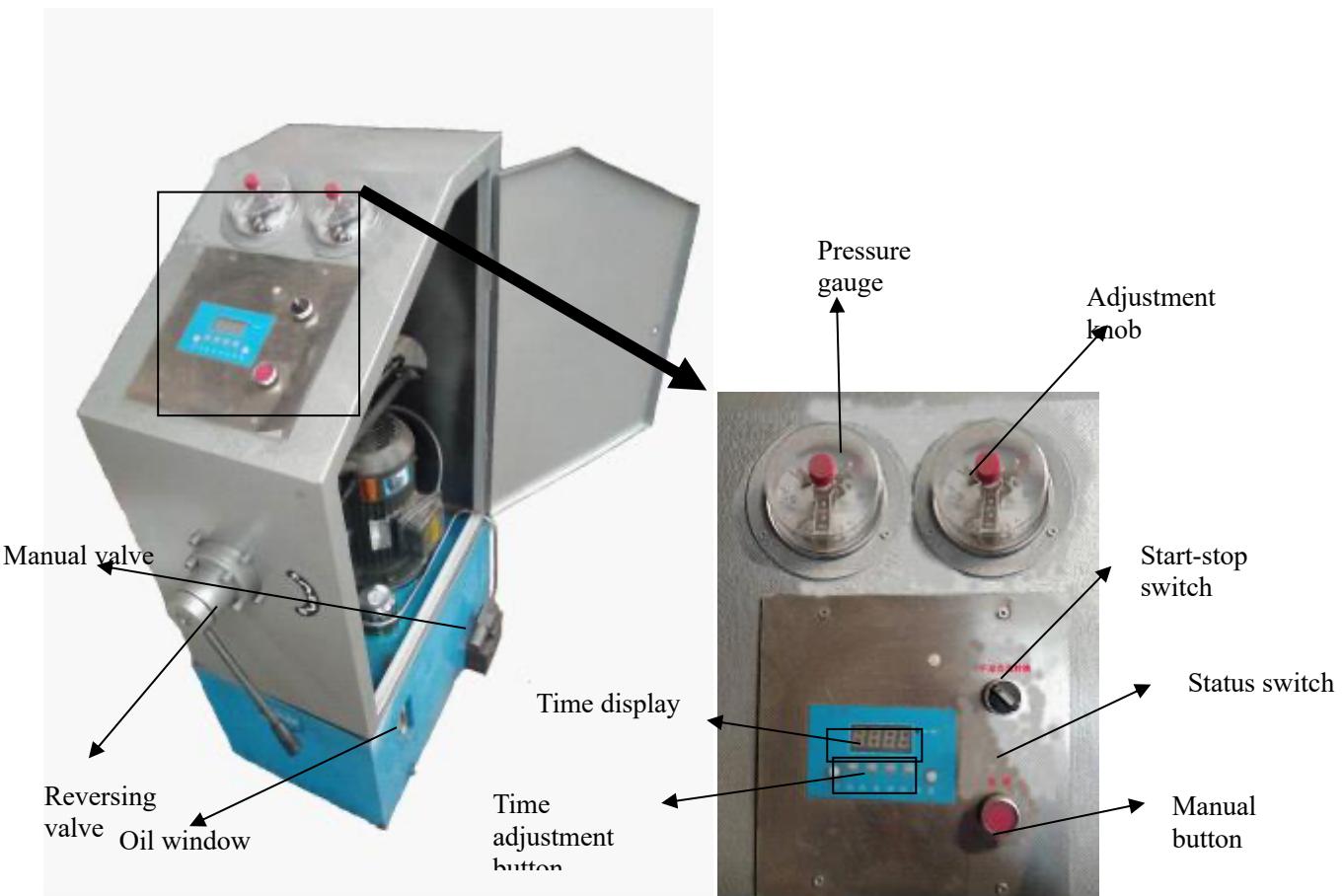
Figure 1

Tips: The parts of other models of oil presses are similar to the above picture, and the installation method, working principle and usage method are also similar, which can be used as a reference.

Other hot selling oil press pictures:

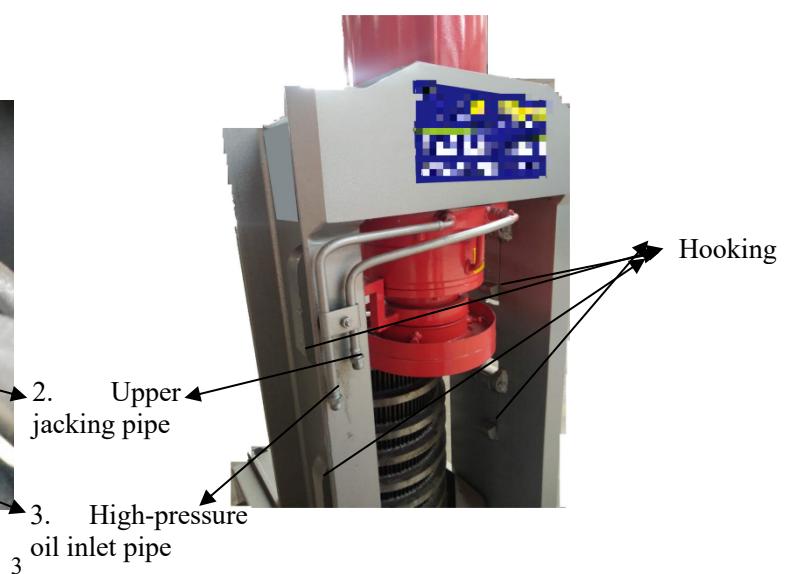
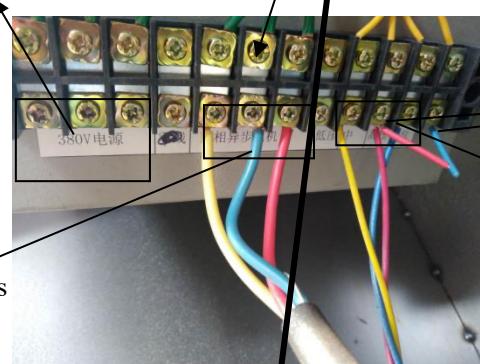


2. Quickly understand the parts of the oil press (B)



Tips: This part needs to be operated after consulting professionals, and do not operate blindly.

3. Quickly understand the parts of the oil press (C)



4. Mechanical installation:

1. Install two high-pressure tubing, place the control box and the oil press on the same level, and then screw the tubing on the corresponding joint;

Note: The placement and size of the tubing have been fixed before leaving the factory, and if the position is not correct, it cannot be screwed on.

2. Screw the reversing valve handle on the reversing valve seat;

5. Electrical component connection:

1. Open the door of the hydraulic station, pass the three-phase power cord through the wire hole, and connect it to the 380V power supply of the wiring strip, without the need for a neutral wire, and ensure that the motor is in a positive state.

Note: Before the test machine, hydraulic oil needs to be filled, and the reversing valve handle is in the "stop" state, that is, in the horizontal position.

2. Connect the limit switch to the "medium voltage" and "limit" positions of the wiring strip, and the two core wires are not distinguished between positive and negative;

Note: All joints must be firm and not touch the shell in any order. After connecting the wire, the machine cannot be turned on, because the hydraulic pump cannot idle, and idling will easily burn out.

6. Add hydraulic oil to the oil press and simply test the machine:

1. Add hydraulic oil (46#) from the fuel filler to the funnel, and add about 16L of hydraulic oil for 4 and a half barrels of 150 pounds (the specific difference depends on the cylinder model).

2. Follow the steps below:

2.1 Turn on the power supply to ensure that the control box display is in a power-on state, and the reversing valve is in a horizontal state.



2.2 Hit the on-stop switch to the "on" position, and pull the reversing valve handle down (until there is a sound), the status switch is in the "manual" position, the motor is rotating forward (if it is not forward, please adjust the power cord to ensure positive rotation), the hydraulic pump begins to suck oil, at this time the liquid level of the oil will continue to drop, and the cylinder piston will fall;

2.3 In the process of continuous oil suction by the hydraulic pump, the hydraulic cylinder is constantly pressed down (within the range), and the oil level continues to

drop.

2.4 When the hydraulic cylinder is almost pressed down to the lowest point (special attention), please immediately pull the reversing valve upwards to make it in the "up" position, at this time the hydraulic cylinder should rise, when it rises to the top (note) to straighten the reversing valve, so that it is in a horizontal state, at this time it can be filled with oil, the pressure gauge pressure should be below 10Mpa during the rise, and the reversing valve should be turned off immediately or the reversing valve to a horizontal position if there is an abnormality. and contact a technician.

2.5 When the switch is turned to the "automatic" state, the hydraulic station will turn and stop for a while, and the display screen operation light will follow the motor for a while and turn on for a while, indicating that it can be used normally. "Intermittent +" and "intermittent-" control motor stoppage time, usually ranging from 5s-30s, "Run +" and "Run-" control motor running time, usually 0.1s-0.8s or less, ask the technician specifically.

Note: Setting the time privately may cause a decrease in the oil yield.



7. Precautions for installation and use

1. The control valve of the oil press cannot be adjusted casually, otherwise it will affect the pressure and cause potential safety hazards!

2. The new ultra-high pressure oil press belongs to the ultra-high pressure hydraulic system, and the working pressure should be used in strict accordance with the pressure specified in the product specifications, and it is strictly forbidden to use overpressure! Unauthorized adjustment and disassembly are prohibited! The pressure itself has been rated before leaving the factory, such as the maximum pressure of the system of some customized models is 40Mpa or 30Mpa, and the pressure cannot be adjusted by itself (the highest pressure is the pressure pointed to by the red needle) when used, otherwise it is easy to damage the frame or barrel. The company is not responsible for any threats to personal safety and property damage!

3. The company's hydraulic oil press can use bulk hydraulic oil or barrel hydraulic oil, but it cannot be filled with soybean oil and other oil that does not meet the requirements, otherwise the hydraulic pump and hydraulic top will be repaired for a fee. The hydraulic oil is 46# anti-wear hydraulic oil, the better the hydraulic oil, the more durable the hydraulic cylinder.

4. The hydraulic oil service cycle of the oil press is half a year, and the hydraulic oil and filter should be changed regularly, and the oil tank should be cleaned regularly.

5. The oil press during high pressure and pressure holding. No maintenance, knocking on the machine, or screwing are allowed.

6. When the oil pipe leaks, do not block it with your hands, turn off the machine in time to relieve pressure, and then replace the oil pipe.

7. When the oil crop is squeezed dry, the cake should be made immediately. If the time is too long, the chamber will swell, making it difficult to make the cake.

8. When installing this machine, people with electrical knowledge or mechanical use knowledge should be found to assist to ensure personal safety and equipment successful installation during installation.

9. When pressing down the oil pan, the top end of the travel ruler should not be lower than the limit switch, otherwise the oil cylinder is easy to break. (Damage caused by improper operation, repair at your own expense)

10. If you encounter any problems, the company's technicians do not answer, you may be at work, please call later, or call other staff to ensure smooth installation.

11. The company's products shall not be modified or altered without authorization, and unauthorized alteration shall be regarded as voluntarily waiving the warranty right, and no warranty will be given!

Common faults and how to deal with them

1. The oil pump does not absorb oil: the oil inlet filter under the oil pump is blocked by dirt, and it should be removed and cleaned.

2. Valve failure: Find a professional to repair or replace.

3. Oil cylinder leakage:

(1) The sealing ring is aging or damaged, and the seal is replaced.

(2) The cylinder piston is scratched: polish it with sandpaper and there should be no burrs, find a professional to repair and replace the cylinder piston.

4. If the oil pump fails or the efficiency is too low, find a professional to repair or replace the pump with a new one.

5. Mix air into the system: raise or lower the cylinder piston to the highest or lowest point; to remove air.

6. If there is any situation with the equipment, give priority to consulting professionals to ensure the safety of people and equipment.

Attached: Random packing list:

The whole machine

A set of partitions

A copy of the instruction manual

A warranty card,

A factory certificate

A copy of the color page of Shengshi Hercheng