

WULI



物理農業機械股份有限公司

WULI AGRICULTURE MACHINE CO., LTD.

動力噴霧機、高壓洗淨機、專業設計製造

HIGH PRESSURE CLEANER

OPERATION MANUAL

高壓洗淨機操作手冊

M O D E L

WH-2012EI

WH-2012ER

WH-2915EI

WH-2915ER

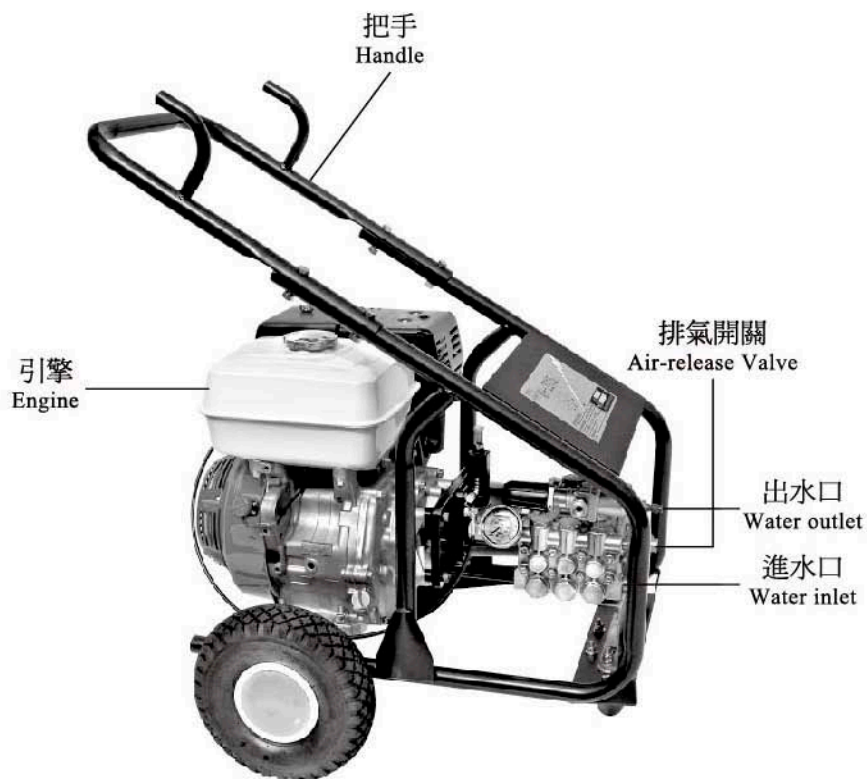
WH-3021EBI

WH-4016E

感謝您購買物理產品，使用前請詳閱本說明。

Thank you for choosing our product.

Please read the operation manual before use.

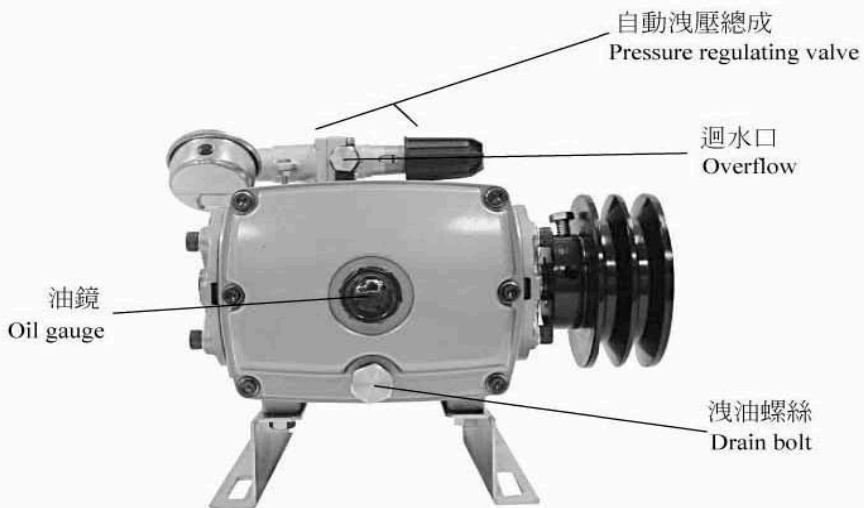
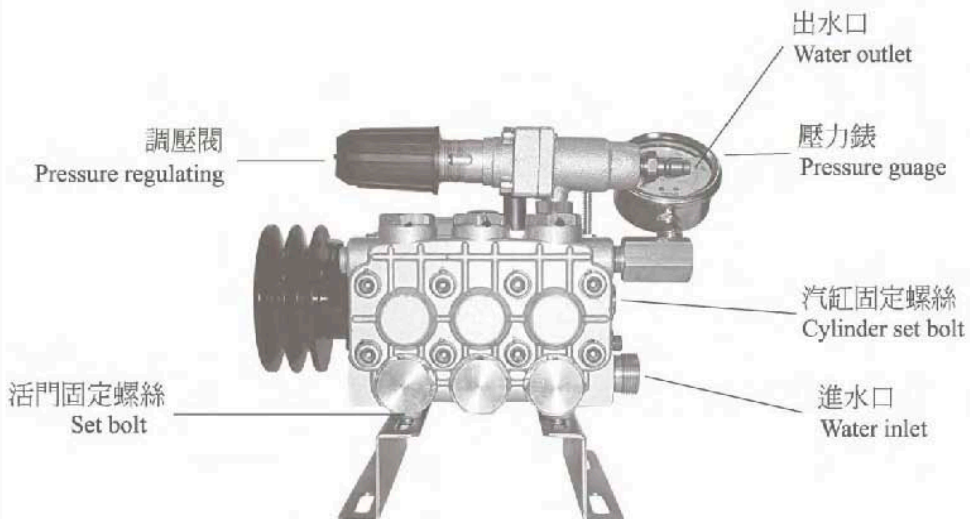


高壓管
High-pressure hose



吸水管與過濾網 Suction hose with filter

Pump Components



English Instructions

• Warning

- 1.Never point the spray gun at people or animals.
- 2.Please do not touch the high-pressure cleaner because both the pump and the engine will produce high temperatures when operating.
- 3.Please keep the high-pressure cleaner clear of sources of open flame, including lighters and cigarettes. Keep hands and clothing clear of the high-pressure cleaner when operating.
- 4.Please do not use the high-pressure cleaner in a closed environment to avoid injury from exhaust inhalation.
- 5.If necessary, please use a protective mask when the high-pressure cleaner is in use.

• Before Use

- 1.Check whether there is sufficient engine oil and use the right fuel.
- 2.Before starting the engine, check both on/off switches of the engine and carburetor.
- 3.Check every fastener to make sure the high-pressure cleaner is installed firmly on the frame.
- 4.Make sure the temperature of the water supply is no higher than 60°C.

• During Use

- 1.Connect the high-pressure hose with the spray gun. Connect the suction hose to the inlet of the high-pressure pump.
- 2.Leave the suction hose filter suspended 20cm from the bottom of the water tank to prolong the life of the high-pressure pump. Make sure the water supply is sufficient to allow the pump to reach its working pressure.
- 3.Open the exhaust cock before starting the engine to release the air in the pump. Before using the spray gun, be certain the water in the pump is flowing properly.
- 4.To prolong the life of the pump, always operate the machine according to its specific pressure. Adjust the pressure by turning the unloading valve clockwise to increase and counterclockwise to decrease. Pressure should only be adjusted while spraying.
- 5.In order to avoid any damage to the packings inside the pump, shut off the high-pressure cleaner when it will not be in use for more than 5 minutes.

• After Use

- 1.Please make sure all water is drained from the pump and store the unit in a dry place indoors if it will not be used for a long period of time.

• Maintenance

- 1.Replace the oil in the pump after the first 50 hours of use. After this, replace the oil in the pump after every 300 hours of use. Please make sure the oil is in usable condition before operating.
- 2.Drain any sludge from the crankcase before refilling with new oil.
- 3.Refasten the drainage screw before refilling the oil, filling with #30~#40 oil up to the level of 2/3 of the oil window.

Repair Instructions

Problem	Cause	Solution
Engine does not start or suddenly stops	<ul style="list-style-type: none"> • Insufficient or dirty oil • Insufficient fuel 	<ul style="list-style-type: none"> • Replace oil • Refill fuel tank
Engine runs roughly	<ul style="list-style-type: none"> • Piston valve body assembly is damaged 	<ul style="list-style-type: none"> • Replace the piston valve assembly inside unloader
Pump has no suction, no output or leaks	<ul style="list-style-type: none"> • Inadequate water supply • Water inlet hose is blocked or damaged • High-pressure hose is clogged or damaged • Inlet hose filter is clogged or damaged • Spray gun leaks • Nozzle is obstructed or damaged • Pump is faulty 	<ul style="list-style-type: none"> • Provide adequate/clean water supply • Clear/replace water inlet hose • Clear/replace high-pressure hose • Clean or replace inlet filter • Tighten, repair or replace the spray gun • Clean/replace the nozzle • Contact your local dealer to send the pump for repair and maintenance
Insufficient pressure	<ul style="list-style-type: none"> • Pressure valve is damaged • Unloader is damaged 	<ul style="list-style-type: none"> • Replace the pressure valve • Replace the unloader
Unusual noise	<ul style="list-style-type: none"> • There is a problem with the engine • There is air in the pump • The water supply is not sufficient 	<ul style="list-style-type: none"> • Check the engine • Disconnect the spray gun from the hose and turn on the unit until a steady flow of water emerges. Then turn off the unit and reconnect the spray gun • Check that the hoses and fittings are tightened • Provide an adequate water supply

Maintenance and troubleshooting

A.Maintenance

1. Replace the oil after the high-pressure pump has been used for the first 50 hours.
Then, replace the oil every 300 hours by using oil type #30 or #40.
2. Loosen the drainage-bolt to drain out the used oil.
3. Fasten the drainage-bolt and open the oil-inlet cover to fill oil.
4. Lubricate the pump every 8 hours.

B.Trouble Shooting

1. UNSTABLE WORKING PRESSURE AND WATER SUPPLY
 - (a) Check whether the suction hose is leaking, clogged or afloat.
 - (b) Drain out the surplus air by switching on the spray gun or T-type switch.
 - (c) Remove the bolts outside the valves, and check whether the valves are stuck or damaged (Page 12, Figure (1)).
2. INSUFFICIENT PRESSURE
 - (a) Check whether the pressure is adequate.
 - (b) Check whether the revolution of the engine is at the proper speed.
 - (c) Check the conditions of the spray gun and nozzle.
 - (d) Check whether the overflow volume is too much. If it causes the valve-seat and pressure-valve to wear out, take off the unloader and replace them.
 - (e) Check the conditions of adjusting ring, piston and waterproof seal (Page 12, Figure (2)~(5)).

Trouble Shooting

Figure (1)

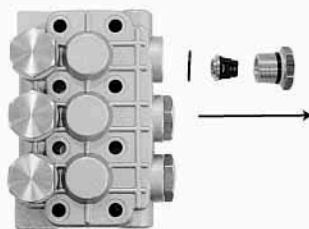


Figure (2)



Figure (3)



Figure (4)

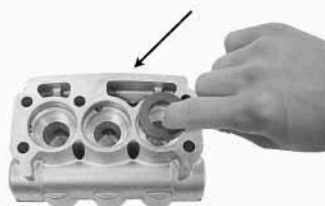


Figure (5)

