241bar diesel pressure washer unit

If you have purchased a stationary, trailer, flowbin or horizontal unit then the process remains the same

Components:

- 1. Tank outlet ball valve
- 2. Pressure adjustment valve
- 3. High pressure hose
- 4. Lance
- 5. Decompression lever
- 6. Water filter
- 7. Hose quick release connector
- 8. Spray nozzles
- 9. Oil Refill cap

Before starting the pump assembly:

- 1. Remove red oil cap replace with black & yellow breather cap
- 2. Check engine oil level.
- 3. Check fuel level.
- 4. Check for visible leaks (oil, fuel and water)
- Check for basic wear and tear and replace if necessary.
- 6. Ensure engine mounting tautness.
- 7. Ensure no loose components on engine.
- Ensure all bolts and nuts are fastened and haven't loosened due to vibration.
- Connect pressure hose (3) Male to hose connector
 (7) female.
- 10. Connect Pressure hose (3) female to Lance (4) male.
- 11. Connect nozzle (8) to lance (quick connector)
- 12. Make sure unit has water in.
- 13. Make sure tap 1 is open.

How to fill the unit:

- 1. Close outlet ball valve (1)
- 2. Open tank lid (on top) and fill with CLEAN water.
- 3. Follow start up procedure for use.

Engine Start-up procedure:

- 1. Depres decompression lever (1)
- 2. Ensure fuel cock (2) is open.
- 3. Move throttle leaver (3) to start position.
- 4. Depress trigger on lance to release pressure.
- 5. Pull recoil starter rope (4) to start engine. Do ensure the recoil mechanism has engaged the motor before pulling the rope.
- 6. Let engine idle until the exhaust is warm to touch, only then can you open the throttle to desired engine speed.
- 7. Once warm then use the unit as required.
- 8. Confirm the water is circulating.







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How to use the hose:

- 1. Ensure oulet ball valve (1) is open.
- 2. Open tank cap (5) so not to cause a vacuum.
- 3. Depress trigger on lance for pressure spray
- 4. Pressure return valve (2) can be adjusted + and for increased or reduced pressure. Ensure not to unscrew completely.
- 5. When not spraying, pump will automatically revert to circulation mode
- 6. After use, switch off and clean filter.

Shut down procedure:

- 1. Move throttle (3) to the off position.
- 2. Ensure fuel cock (2) is closed.

General Maintenance:

Engine - NB!! The engine is diesel and uses diesel fuel.

- 1. First service after 1 month or 20 hours of operation, thereafter every 3 months or 50 hours.
- 2. Service should consist of:
 - a. Replace engine oil (15w40 diesel multigrade, approx. 1500ml... use dip stick for accurate measurement)
 - b. Air filter clean or replace:
 - i. Clean the foam portion in cleansing solvent and dry every 50 hours (every 10 hours if in unusually dusty circumstances). Then immerse in clean engine oil until saturated, squeeze out excess oil.
 - ii. Replace if required.
- 3. Check for visible leaks or breakages and repair / replace immediately.
- 4. Check proper function of recoil starter.

Pressure pump -

- 5. First service after 1 month or 20 hours of operation, thereafter every 3 months or 50 hours.
- 6. Service should consist of:
 - a. Drain and flush pump oil.
 - b. Replace oil (15w40 multigrade approx. 500ml... use spy glass for accurate measurement)

NB:

- 1. Make sure yellow/black breather cap is fitted.
- 2. Red cap is for transport only.

Problem solving:

- 1. Engine will not start:
 - a. Ensure there is diesel in the tank.
 - b. Ensure the fuel cock is open.
 - c. Check oil level (the unit is equipped with a low oil safety shut off)
 - d. Throttle position should be at start.
 - e. Pressure is released from the lance.
 - f. If all is correct, then refer Flowbins.
- 2. No water through spray nozzle:
 - a. Ensure the engine is started and running.
 - b. Ensure the unit has enough water.
 - c. Ensure tank outlet valve (1) is open.
 - d. Check for dirty or clogged filter.
 - e. If all is correct, then refer to Flowbins.

NB!! Do not let the pump run dry as this will damage the internals of the pump.



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We tank, pump and pipe anything