



**DPW**

**HIGH PRESSURE WASHER**



**Installation &  
Operating Manual**

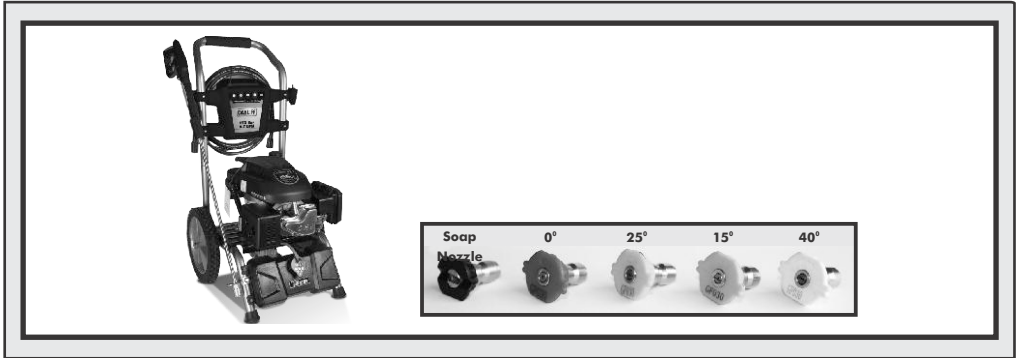


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**Congratulations on selecting a DPW Pressure Washer. They are manufactured to the highest standards and if installed and operated correctly will give many years of efficient and trouble free service. Careful reading of this Installation Manual is therefore important, though should there be any queries they should be referred to the equipment supplier.**

## 1. SPECIFICATIONS



Dayliff DPW pressure washers are quality engine drive units designed for all washdown and cleaning applications where electric power is unavailable particularly for vehicles, compounds, production lines, tanks etc. The units are powered by economical and reliable Dayliff petrol engines and are mounted on a wheeled frame and supplied with a complete set of accessories including:-

- Water Inlet Screw
- Metal Spray Gun
- 6 interchangeable gun nozzles
- 8m delivery hose

The Dayliff DPW pressure washer are high specification units for all pressure washer applications that offer excellent value at high performance levels.

### **OPERATING PARAMETERS**

**Pumped Liquid:** Clean non-aggressive water not containing solid particles

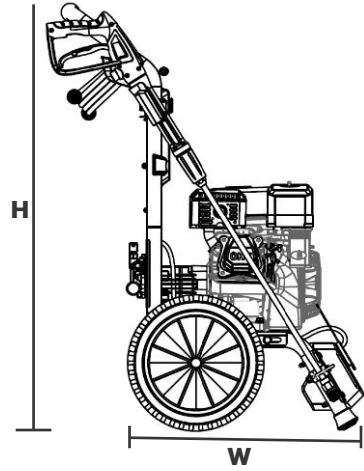
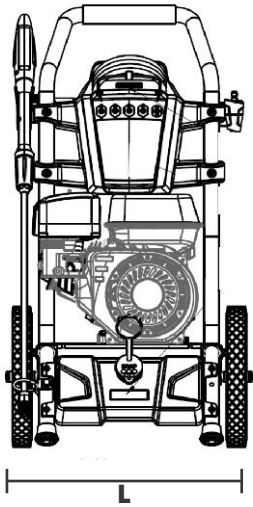
**Liquid Temperature:** 5-40°C

**Max. Suction Head:** 1.5m

**Noise Level:** 108dbA

# PUMP DATA

<b>Pump</b>	Max. Pressure	200 Bar
	Max. Volume	8.7L/Min
<b>Engine</b>	Type	Air-cooled, 4 stroke OHV petrol engine
	Displacement	179cc
	Rated Output	5.5HP
	Fuel Tank	3.6L
	Operating Time	2 hours
	Fuel Consumption	1.8L/Hr
<b>Dimension (mm)</b>	Length	655
	Width	539
	Height	555
	Weight (Kg)	37



## 2. WARNINGS



***Do not allow children or untrained personnel to operate the pressure washer.***



***Do not use the pressure washer if supply cord or other important parts of the equipment are damaged, e.g. safety devices, high pressure hoses, trigger gun.***



***High pressure hoses, fittings and couplings are important for safety of the appliance. Use only hoses, fittings and couplings that are recommended by the manufacturer.***



***High pressure jets can be dangerous if subjected to misuse. The jet must not be directed at persons, live electrical equipment or the appliance itself. Do not direct the jet against yourself or others for purposes of cleaning clothes or foot-wear. Do not use the appliance within range of persons unless they are wearing protective clothing.***



***Appropriate ear protection should be worn during operation.***



***To ensure appliance safety, use only original spare parts from the manufacturer or approved by the manufacturer.***



***This appliance has been designed for use with the cleaning agent recommended by the manufacturer. The use of non-conforming cleaning agents or chemicals may adversely affect the safety of the appliance.***



***Before starting up pressure washer check it carefully for any defects. If you any are detected, cease operation and contact your distributor.***



**The recoil force will arise due to the water stream ejecting from the spray lance. The gun and spray lance should be held firmly .**



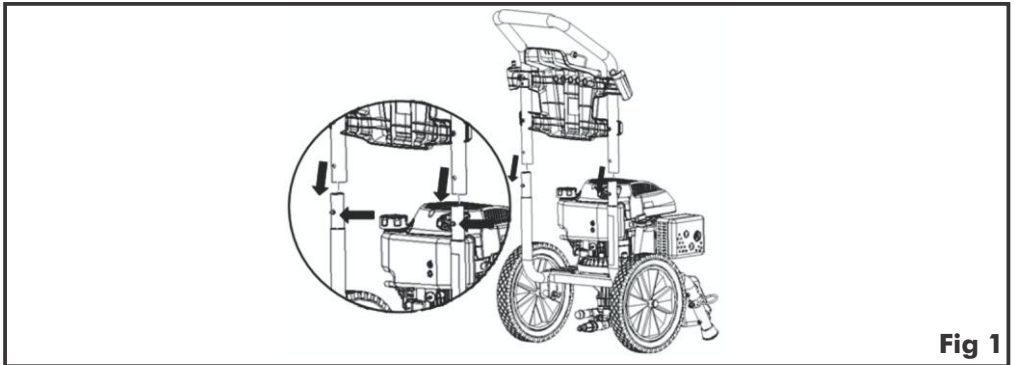
**Do not change any safety devices.**



**Ensure engine is switched off before performing any maintenance or service.**

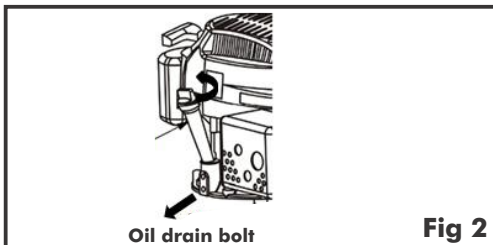
### 3. USE AND MAINTENANCE

- Upon opening, check that contents in the carton are as specified in the packing list.
- Assemble the frame as shown in the Figure 1 and ensure that the equipment is complete.

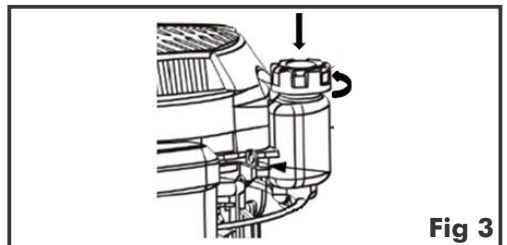


**Fig 1**

- Working conditions: Altitude below 3500m; max. liquid temperature +40°C; Environmental humidity below 98%
- Before adding engine fuel add oil up to the maximum oil level on the dipstick. Do not overfill (Fig 2). Always check the oil level before use and top up if it is below the minimum oil level (Fig 3). When changing the oil remove the oil filler cap/dipstick, the drain bolt and sealing washer and discharge to waste. Ensure to change after the first 5 hours and 50 hours thereafter.

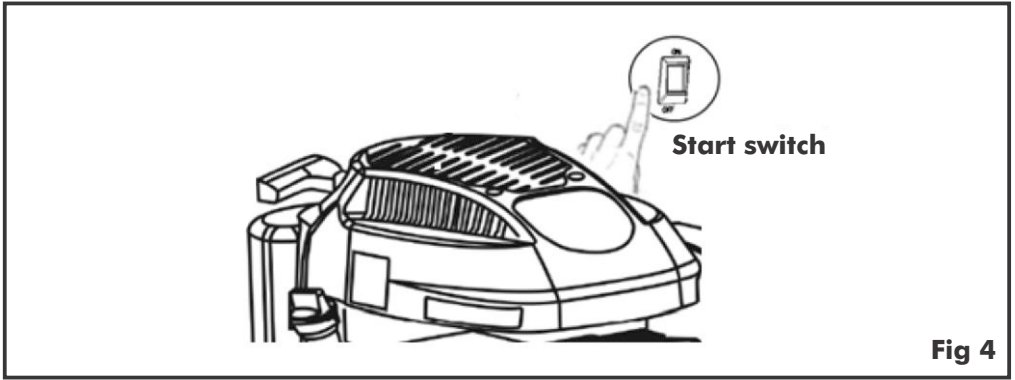


**Fig 2**



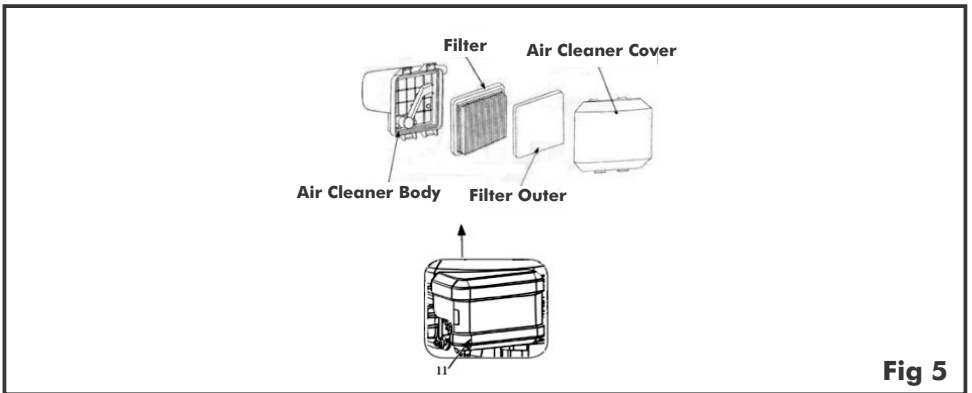
**Fig 3**

- Turn engine ON/OFF switch to ON position. Pull start handle and start engine (Fig 4).



**Fig 4**

- Five jet nozzles are supplied that give different sprays according to application. These can be easily changed by screwing it to the handle head.
- High pressure hose should be connected to water-outlet and water-inlet hose should be connected to the water-inlet from an external water source.
- Ensure the water used is clean. Clean the water tank and filter after every 50 hours of operation.
- Pressure should always be less than rated pressure when operating.
- Working pressure has been set and must not be adjusted.
- Ensure regular cleaning of the dual-element air cleaner (Fig 5), split filter and the water-inlet hose filter.
- A cleaning fluid tank is fitted to the unit that should be filled with appropriate detergent according to the task. For general cleaning diluted liquid soap can be used.



**Fig 5**

- Inspect the spark plug. Disconnect the spark plug cap and remove any dirt from around the spark plug area. Replace it if the electrodes are worn out or if the insulator is cracked or chipped. Measure the spark plug electrode gap with a suitable gauge. The gap should be 0.028-0.031 in (0.70-0.80mm). Adjust the gap, if necessary, by carefully bending the side electrode.



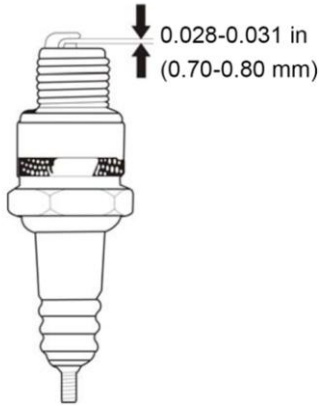


Fig 6

<b>REGULAR SERVICE PERIOD</b> performed at every indicated month of operating hour interval whichever comes first		<b>Before each use</b>	<b>First Month or 5hrs</b>	<b>Every 3 months or 25hrs</b>	<b>Every 6 months or 50hrs</b>	<b>Every or 100hrs</b>
<b>ITEM</b>						
Engine Oil	Check Level	●				
	Change		●		●	
Air Cleaner	Check	●				
	Clean Replace			●		●
Spark Plug	Check-Clean				●	
	Replace					●
Flywheel brake Pad	Check				●	
Spark arrester	Clean				●	
Idle Speed	Check-Adjust					●
Valve Clearance	Check-Adjust					●
Combustion Chamber	Clean	After every 100 hrs				
Fuel Line	Check	Every 2 years (Replace if necessary)				

# 4. TROUBLE SHOOTING

## PROBLEM

## POSSIBLE CAUSE

## SOLUTION

Washer starts, but no water comes out	No water supply	Connect to water supply
	Water filter blocked	Clean the filter
	Nozzle blocked	Clean the nozzle
Water leakage or oil leakage	Screw is loose	Tighten Screw
	O-ring or washer is broken	Change O-ring or washer
Washer does reach working pressure	Nozzle worn out	Replace nozzle
	Water filter fouled	Clean the filter
	Water supply pressure low	Turn on water supply tap fully, if using solitary tank, raise its level.
	Air being sucked into system	Check tightness of hose fittings
	Air in pump	Switch off the appliance and keep depressing and releasing the gun trigger until the water comes out in a steady flow. Switch the washer back on again

## 5. TERMS OF WARRANTY

### i) General Liability

- In lieu of any warranty, condition or liability implied by law, the liability of Davis & Shirtliff (hereafter called the Company) in respect of any defect or failure of equipment supplied **is limited to making good by replacement or repair** (at the Company's discretion) defects which under proper use appear therein and arise solely from faulty design, materials or workmanship within a specified period. This period commences **immediately after the equipment has been delivered to the customer** and at its termination all liability ceases. Also the warranty period will be assessed **on the basis of the date that the Company is informed of the failure**.
- This warranty applies solely to equipment supplied and **no claim for consequential damages**, however arising, will be entertained. Also the warranty specifically excludes defects caused by fair wear and tear, the effects of careless handling, lack of maintenance, faulty installation, incompetence on the part of the equipment user, Acts of God or any other cause beyond the Company's reasonable control. Also, any repair or attempt at repair carried out by any other party **invalidates all warranties**.

### ii) Standard Warranty

#### General Terms

If equipment failure occurs in the normal course of service having been competently installed and when operating within its specified duty limits warranty will be provided as follows:-

- **Up to one year - The item will be replaced or repaired at no charge.**

The warranty on equipment supplied or installed by others is conditional upon the defective unit **being promptly returned free to a Davis & Shirtliff office** and collected thereafter when repaired. No element of site repair is included in the warranty and any site attendance costs will be payable in full at standard chargeout rates. Also proof of purchase including the purchase invoice must be provided for warranty claim to be considered.

**DAYLIFF** is a brand of **Davis & Shirliff**

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for details of the nearest branch or stockist