

# TROUBLE-SHOOTING GUIDE

evOLUTION®

EVO SYSTEM

SYMPTOMS	COMMENTS & POSSIBLE SOLUTIONS
Engine will not start	<p><b>Check –</b></p> <ol style="list-style-type: none"> <li>1. The ignition switch is in the 'ON' position. <b>Fig. 1</b></li> <li>2. The Fuel Tap is turned to the 'ON' position. <b>Fig. 2</b></li> <li>3. The Choke is correctly set for starting. <b>Fig. 3</b></li> <li>4. Oil Level. <b>Fig. 4</b></li> </ol>
Engine starts but cuts out almost immediately	<p><b>Check –</b></p> <ol style="list-style-type: none"> <li>1. The oil level is correct (low oil level will cause automatic engine shutdown). Top up the oil level. <b>Fig. 4</b></li> <li>2. That the accessory is correctly connected to the engine (a micro-switch inside the Evo-coupling senses when an accessory is correctly connected). The engine will not run unless a correctly connected accessory is attached to the engine. Remove and re-attach accessory. <b>Fig. 5</b></li> <li>3. Accessory is only partially connected and/or the uni-coupling release lever is not in the locked position, allowing the accessory to vibrate loose from the engine. Remove and re-attach the accessory and confirm that it is 'locked' into the engine. <b>Fig. 6</b></li> </ol>
Generator No Generator output	<p>Overload protection device has 'tripped'. Check that the equipment attached to the generator is suitable. Press the reset button. <b>Fig. 7 (Note: Some models have only one reset switch, UK Professionals version shown.)</b></p> <p>Generator not running at the required speed. To work efficiently the generator must run at 3150 min<sup>-1</sup> (the factory set and governed speed of the engine). Have the speed of the engine checked to ensure that it is operating at the factory set speed.</p>
Pressure Washer No water through the lance	<p>Check the water supply (whenever possible connect to the mains water supply and turn on the tap).</p> <p>If connected to a water barrel always try to ensure that the barrel is higher than the machine, and that the supply is tapped from near the base of the barrel. The lance should not be used at an elevation above the supply source.</p>
Pressure Washer No high pressure water through the lance and the engine under load	<p>Blocked lance jet. Switch off machine and investigate. A blocked jet can be cleared with a length of fine stiff wire. Remove the lance from the handle, and sight through the lance to see if the brass jet is obstructed. Remove any dirt, mud etc from the jet using the fine stiff wire.</p> <p>Check the purity of the water supply, particularly if the supply is non-mains.</p> <p>Check for a blocked filter in the quick fit hose connector. <b>Fig. 8</b></p>
Pressure Washer Water through the lance but not at the required mode	<p>Check the Lance nozzle setting (the supplied lance has an adjustable outlet nozzle). The nozzle has arrows on it to aid setting selection. Push the nozzle downwards to access 'low pressure mode'. Pull the nozzle upwards to access 'high pressure mode'. <b>Fig. 9</b></p> <p>Twist the nozzle to access pencil or fan stream in either mode.</p>
Water Pump Poor Dirty Water Pump output	<p>Pump not properly primed. Prime the pump. <b>Fig. 10</b></p> <p>Air leaks in the hoses. Check particularly the input side of the pump. The hoses should be securely fastened to the pump connector ferrules using the supplied double wire clips. The rubber gaskets (supplied) must be fitted between the mating surfaces of the pump body and the hose connector ferrules. The large 'winged' connecting collars must be tightened securely to the pump.</p> <p>Do not use a flat hose on the inlet/suction side of the pump.</p>

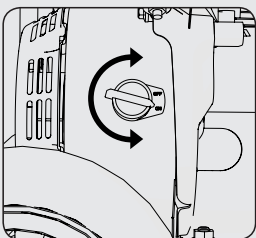


Fig 1

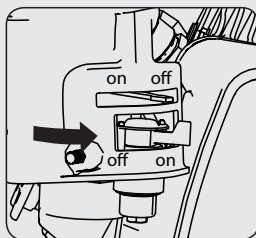


Fig 2

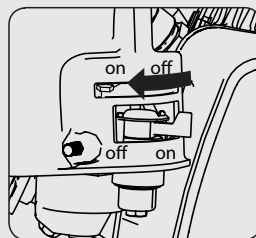


Fig 3

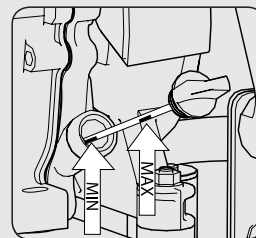


Fig 4

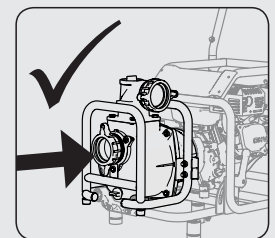


Fig 5

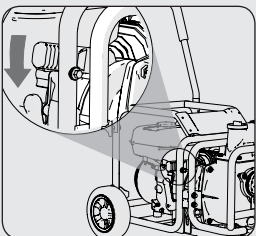


Fig 6

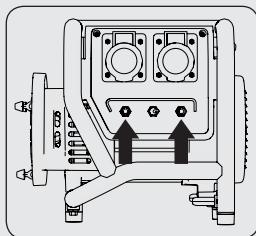


Fig 7

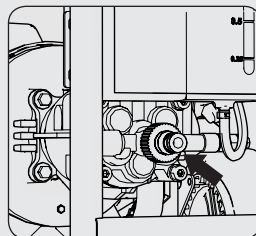


Fig 8

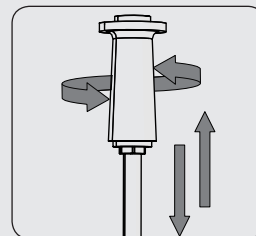


Fig 9

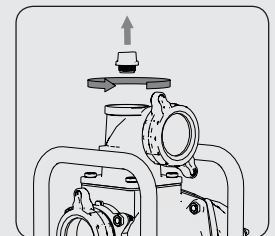


Fig 10