

## OPERATION INSTRUCTIONS

**Warning:** Before using your generator be sure to read the instruction manual carefully.

### 1. ASSEMBLY

Fit the carrying handle to the top of the petrol tank and secure in position using the 2 screws provided (See fig 2).

Fig 2

### 2. LOCATION & GROUNDING

Before using this generator it must be prepared correctly before use. Locate the generator on firm level ground away from buildings or other structures ensuring that the exhaust is not obstructed.

**Warning:** It is advisable to properly earth-ground your generator before starting using a wire and a small earth stake.

**Note:** The wire and earth stake are not supplied with the unit.

Earth Spike and Cable can be purchased at your local camping supplies, or alternatively an Earth spike can be made, and it is suggested you get advice from a registered electrical trades person. To make a Spike use a Copper tube or Copper Rod 12mm diameter, a minimum length of 200mm and with an M6 Machine screw one end. The cable used should be a Maximum length of 1 metre and a Minimum of 1.0mm<sup>2</sup> to carry a 10amp load. The cable should be attached to the Generator at the Earth point (See fig 3) and to the Spike between a flat washer and the Copper with a lock washer under the head of the M6 Machine screw in a similar fashion to the Earth point screw on the generator.

When placing the Spike into the ground the Generator must not be running and it is suggested that the Spike is pushed into the ground by at least 100mm so that it is firm and a litre of water poured around it to ensure good Earth continuity.

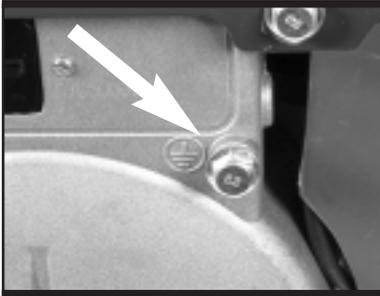
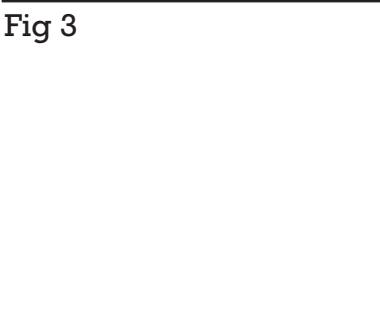


Fig 3



### 3. FUELING

The generator is powered by a two-stroke engine, which uses a petrol oil mix fuel. The correct fuel mixture is a ratio of either 50:1 or 40:1 of petrol and two stroke oil (depending on the ambient temperature) i.e. 50 parts of unleaded petrol to one part of two-stroke oil.

**Warning!** Use only genuine two-stroke oil.

#### Fuel mixing

The fuel tank has a maximum capacity of 4.5L. To mix the fuel correctly use the filler cap gauge to measure the correct amount of oil to petrol. **Warning!** Do not mix the fuel in the generator fuel tank use a suitable container. Measure the fuel into the container then add the correct proportion of two stroke oil according to the chart shown in Fig.4 When the correct ratio has been mixed replace the container cap and agitate the container to ensure thorough mixing of the petrol and oil.

#### Filing the fuel tank

Use a suitable funnel to transfer the fuel mix from the container to the generator fuel tank, taking care not to spill any fuel or over fill the fuel tank. The fuel tank should not be filled above the top of the fuel filter as shown in Fig.5.

### 4. STARTING THE GENERATOR ENGINE

Before starting the engine make sure that all the electrical loads are disconnected from the generator AC outlet socket.

Gently agitate the fuel mix by gently rocking the generator backwards and forwards a few times. This will ensure that the two-stroke oil has not settled out from the petrol. Turn the fuel cock lever to the on position (See fig 6).

<b>1L : 0.02L</b>	
<b>2L : 0.04L</b>	
<b>3L : 0.06L</b>	
<b>4L : 0.08L</b>	

Fig 4

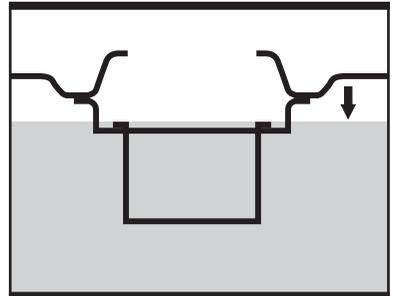


Fig 5

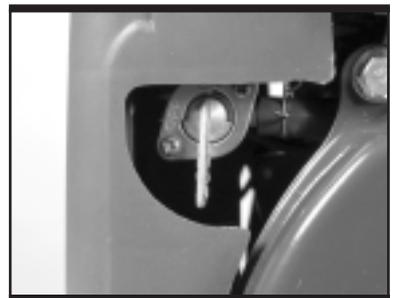


Fig 6



Fig 7



Fig 8



Fig 9



Fig 10

Set the choke lever to the ON position (See fig 7). Turn the engine ON/OFF switch to the ON position (See fig 8). Hold down the generator firmly with one hand on the carrying handle. With the other hand grip the recoil starter cord handle and pull slowly until resistance is felt indicating that the recoil starter is engaged. When resistance is felt pull the cord sharply (See fig 9). Continue this procedure until the engine starts. When the engine has been successfully started and is running smoothly return the choke lever to the OFF position (See fig 10).

## 5. STOPPING THE GENERATOR ENGINE

Before stopping the engine, switch off all the electrical loads and turn the generator ON/OFF switch to the OFF position (See fig 11).

Before stopping the engine make sure that all the electrical loads are disconnected from the generator AC outlet socket.

When the generator engine has stopped and before storage, turn the fuel cock lever to the OFF position as shown in Fig 12.



Fig 11

## 6. CONNECTING THE ELECTRICAL LOAD

**Warning!** Before connecting any electrical load to the generator ensure that the load does not exceed the maximum load as stated on the rating plate. Ensure that the mains supply lead is long enough to reach the generator without any strain.

When the generator engine has been successfully started and is running smoothly connect the electrical load into the generator AC output socket (See fig 13).



Fig 12

## 7. OVER LOAD PROTECTION

The generator is fitted with an overload protection device located on the control panel (See fig 14). In the event that the load exceeds that stated on the rating plate, the overload protection will operate and disconnect the load. If the overload protection device is tripped. Check the electrical load and if necessary reduce the load. The overload protection device can be re-set by pressing in the re-set button.



Fig 13

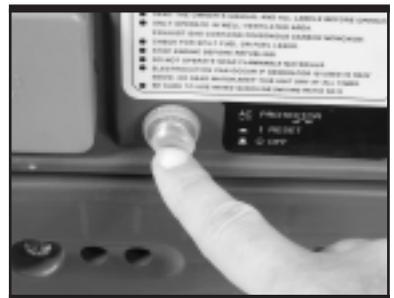


Fig 14