

If the key is turned to OFF when the unit is running, the battery will NOT be recharged by the engine.

If using a Petrol Model...

Set the engines ON/OFF switch to ON, open the fuel tap and set the choke- fully if starting from cold, half closed if the engine is warm.

Then two or three brisk pulls on the starter cord should now start the engine.

Once the engine has warmed up, fully open the choke. and reset the throttle to idling speed.

BASIC TECHNIQUES

Move the hydraulic flow control lever to the ON position, note that the engine will automatically increase speed as the breakers control lever is depressed.

Always hold the tool with both hands then bring the steel into contact with the surface to be broken.

Adopt a stable posture with both feet on firm level ground, do not work in areas where you are forced to stand on loose debris or on a slippery uneven surface.

On first contact with the surface, the breaker/steel will try to wander off line. Take great care until you become familiar with the tool.

Now you can depress the control lever with the palm of your hand to activate the unit.

Begin slowly, allowing the steel to mark the surface, this will stop the steel from wandering over the work surface and causing unnecessary and expensive damage.

Never apply too much pressure, let the breaker/steel work at its own pace.

Lift it clear before turning OFF, and wait for moving parts to stop before putting it aside.

If the steel becomes jammed in the work DO NOT use the breaker as a lever. Tease the steel from the work by pushing then pulling.

If the steel strikes a hidden object, stop the breaker immediately then check to make sure it is safe to continue.

Where possible, concentrate on weak spots in the structure you are breaking - mortar joints, cracks etc. Alternatively, start close to an edge and gradually work inward.

Take your time, rushing a job tends to produce poor results and increases the risk of a serious accident.

Don't over do it - you are more likely to have an accident if you are suffering from fatigue.

EQUIPMENT CARE

Never push the equipment beyond its design limits. If it will not do what you want with reasonable ease, assume you have the wrong tool for the job. Ask at your local HSS Hire Shop for advice.

Regularly check the condition of the steel, if it shows signs of excessive wear replace it with a new one, contact your local HSS Hire Shop for additional replacements.

Keep the equipment clean. You will find this less of a chore if you clean up regularly, rather than wait until the end of the hire period.

When not in use, store the equipment somewhere clean, dry and safe from thieves.

Never run the breaker unless the steel is in full contact with the work. Operating it unloaded or partly loaded sets up damaging internal vibrations.

Avoid hitting or dropping the breaker. Its casing will be damaged by a heavy blow.

Check the fuel level at regular intervals. If the engine should run out of fuel, contact us for advice before re-starting.

Diesel models must be fuelled only with DERV and Petrol models with Unleaded Petrol.

Check the level of engine oil once a day. Having let the engine cool, stand it on level ground, withdraw the dip stick and wipe clean. Now, replace it, withdraw it a second time and verify that the oil level is between the MIN and MAX lines. If it is not, contact us for advice.

Finally, keep an eye on the temperature of the hydraulic fluid - the temperature gauge is on the front of the compressor. If it rises above 70°C, turn the engine off and allow to cool before re-starting.

FINISHING OFF

When you have finished work, return the hydraulic flow control lever to OFF.

If using a Diesel Model...

Pull and hold the 'STOP' lever next to the cold start lever and wait for the engine to cut out. Finally, return the ignition key to the OFF position, and place the key somewhere safe.

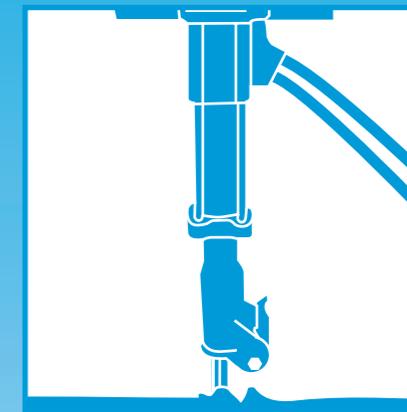
If using a Petrol Model...

Turn the fuel OFF and move the ON/OFF switch to the OFF position.

Remove the steel from the breaker, disconnect all hoses, then clean the equipment ready for return to your local HSS Hire Shop.

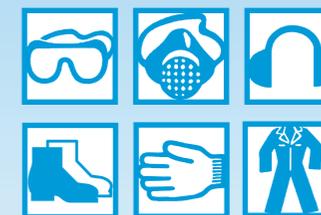
Operating & Safety Guide 729

HSS Hire Shops



Hydraulic Breakers

Two heavy-duty hydraulic breakers capable of the toughest jobs including road work.



©HSS Hire Service Group Plc 1998 No. 729/01

Group Office: 25 Willow Lane, Mitcham, Surrey CR4 4TS

Code 74116/37

GENERAL SAFETY

For advice on the safety and suitability of this equipment contact your local HSS Hire Shop.

This equipment has been designed to be used by an able bodied adult. If you suffer from either a temporary or permanent disability, you must seek expert advice before using this equipment.

Keep children, animals and bystanders away from the work area.

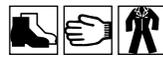
Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.

This equipment should only be used by a competent person who has read and understood these instructions.

 Safety Goggles MUST be worn by everyone in the work area.

 Some materials being broken by this process, may contain substances that, when inhaled, can be harmful to health. A suitable mask must be worn when using this equipment.

 This equipment generates potentially harmful noise levels. To comply with health and safety at work regulations, ear defenders must be worn by everyone in the vicinity.

 Wear practical, protective clothing, gloves and footwear. Avoid loose garments and jewellery that could catch in moving parts, tie back long hair.

Ensure the work area is well lit and ventilated. If you must work in a confined space, ask about hiring a fume extractor.

Exhaust Danger

NEVER operate petrol or diesel engines indoors or in a confined space.

The exhaust contains gases that can Kill

Never use the equipment if highly flammable vapours – petrol or paint thinner fumes for example – are present.

Fuel Safety

NEVER refuel while the engine is hot or running . Never smoke or allow naked lights into the area while refuelling. Never inhale fuel vapour.

ALWAYS mop up spillages as quickly as possible, and change your clothes if you get fuel on yourself.

ALWAYS store fuel in a purpose-made sealed container, in a cool, safe place well away from the work area.

Always switch OFF the equipment when not in use.

Check the condition of the equipment before use. If it shows signs of damage or excessive wear, return it to your local HSS Hire Shop.

Warning !

Hydraulic breakers operate at very high internal pressures. Carefully check the hose for leaks and weak spots and avoid damaging it while working. As a further precaution, when starting up, stand clear of the hose – it could burst!

Never lift or pull the equipment by its hoses.

Make sure you know how to switch this machine OFF before you switch it ON, in case you get into difficulty.

Take special care when breaking into floors, they may contain hidden pipework, reinforcing bars or electrical cables. If in doubt, hire a Cable Avoiding Tool or metal locator, to determine the exact position of such hazards.

Engines, especially the exhausts, get very hot so switch OFF and allow to cool before touching them.

Keep flammable materials well away from engine and exhaust.

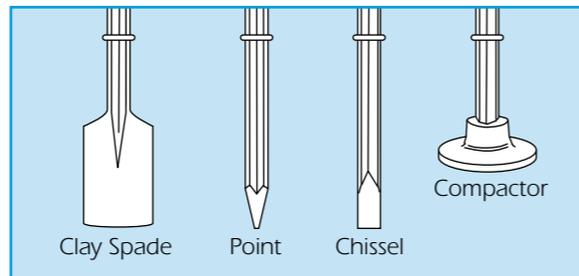
Never leave the engine running and unattended.

Stop the machine if you experience discomfort or numbness during use.

Watch your footing. Take special care if working other than on firm, level ground.

Information on COSHH regulations is available from your local HSS Hire Shop.

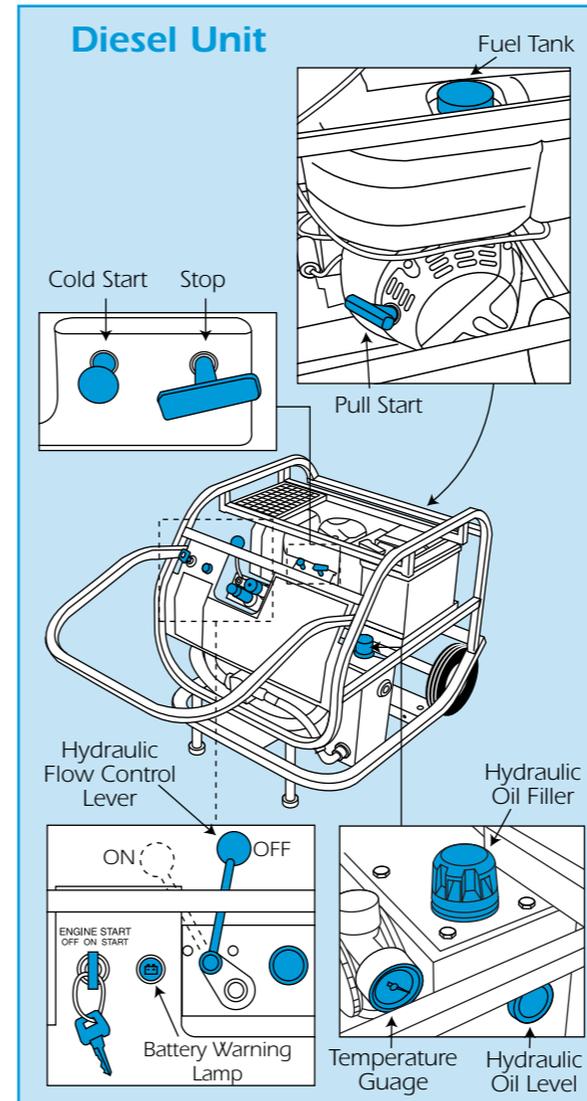
GETTING STARTED



Fit the breaker with a point, chisel or tarmac cutter as appropriate. Our staff will advise you on the best tool for the job.

Always clean steels before fitting them or dirt could build up in the chuck and damage it.

To fit the steel, cock the chuck lever into the open position, push in the steel as far as it will go, then snap the lever back to lock it.



Take care, never force the steel in. If the fit is at all tight, return the equipment to us.

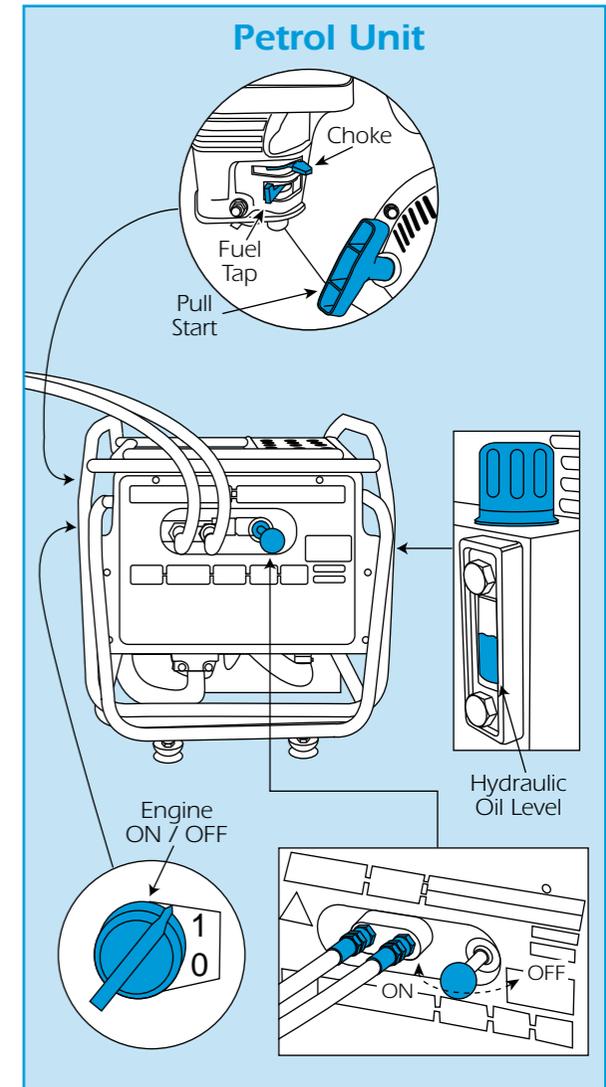
You can now fit the two hydraulic hoses to the breaker and on some models, to the power unit.

Push the male fitting into the female fitting until the outer collar clicks into position. For added security turn the collar 90 degrees, it will then be locked into position, safeguarding against accidental separation.

To start the power unit, first ensure the hydraulic flow control lever is in the OFF position.

If using the Diesel Model...

Turn the ignition key to ON, the battery warning lamp will illuminate to show the battery is OK.



If the lamp does not illuminate, the battery is probably flat. In this situation, follow the starting instructions using the pull start instead of the electric start.

If starting from cold, pull out and hold the cold start button, if restarting a warm engine, this button should not be used.

All that remains is to turn the ignition key to START. The starter motor will turn the engine. Once it is running, release the cold start button and return the key to the ON position.

Note If using the pull start back up facility, slowly turn the engine over first until you feel resistance. Then follow the start procedure as above,