

## MOST IMPORTANT - RISK ASSESS!!!

Before you commence any work at your chosen work area, you should undertake some preliminary **hazard identification and risk control** precautions. Ideally more than one person should do this. This is undertaken by:

1. Physically inspecting the work site
2. Reviewing the best way/job steps required to complete the task
3. Reviewing the Safe Work Information supplied with the equipment
4. Reviewing other reference documentation and expert advice

The hazard identification and control process steps are defined as:

1. Identify the Hazards (eg. 240V power drill use around wet areas)
2. Assess the Risk (multi earth paths - possible electrocution)
3. Select the Control Measure (e.g. dry the area; use an RCD; use a cordless drill etc)
4. Re-assess the Risk (risk of electrocution now negligible). This is undertaken to ensure that the risk control measures adopted have not introduced any new risks to the work area.

## HELP

If the unit does not operate correctly or you are unhappy with its performance, return it to the nearest Kennards Hire Centre for exchange or phone for assistance. **Do not attempt repairs yourself.**

Refer to your hire contract for details of our **AFTER HOURS EMERGENCY NUMBER.**

## BEFORE USING THE SAW

1. Choose the proper blade for your job. Determine hardness and compression of slab, only use correct type and rated blade for the machine and the task.
2. Give hire controller complete information and let him/her advise you on your blade selection. Depth of cut and length of cut can be significant factors.
3. Ensure water supply at mains pressure is available - You must use water when cutting with diamond blades.
4. Check fuel and engine oil and top up if necessary.

## PETROL SAWS

### STARTING

Make sure the stop / start switch is in the running position (pushed forward or in).

Pull the choke control out if the engine is cold. A warm engine can be started without using the choke.

Pull the trigger on and set the throttle lock.

Push in the decompression valve. (a blue knob located on the side of the engine)

Be sure that you and the machine are firmly positioned when starting and that the blade is not contacting anything.

Put your right foot through the rear handle of the saw and push down firmly, place your left hand on the forward handle and again press down firmly. This will prevent any movement during the starting procedure. (Left handed operators may need to reverse these instructions)

Pull out the starter grip slowly until you feel resistance, and then pull the starter grip with a brisk, short pull. **Warning: The cutting blade will start to rotate immediately the saw starts. Make sure that the cutting blade is free running.**

Push in the choke control immediately the engine starts.

When the engine starts, rapidly give full throttle. The throttle lock will then automatically disengage.

### STOPPING

Pull the stop / start switch to off (pull out)

## CHANGING BLADES

### REMOVING THE BLADE

Locate the hole at the tip of the V belt housing

Insert a screwdriver or similar into the hole and turn the blade until the screwdriver engages a locking lug on the back of the V belt pulley.

Hold the screwdriver to prevent the shaft turning while the Hex-head bolt is removed together with the cup washer and the front washer.

Remove the blade and dispose of it.

### FITTING THE BLADE

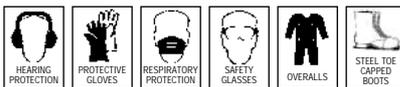
Select the blade suitable for the task.

If using abrasive fibre cutting blades, check that the paper surface on either face of the blade is undamaged.

Disconnect spark plug wire before installing blades or servicing the saw.

Inspect the saw before installing diamond blades: check for

## PERSONAL PROTECTION EQUIPMENT (PPE)



### SAFETY DO'S

DO take your time - Read this User Guide and other Safety material completely and in its entirety BEFORE operating the concrete saw.

DO wear appropriate Personal Protective Equipment (PPE) as illustrated for each type of saw before using either saw.

DO always operate in a clear work area preferably free from persons, animals and hazards. Section off work area and sign post where necessary.

DO ensure that you have a secure footing, the surface is secure and level and capable of supporting the saw and the operator.

DO ensure you are ready to handle any reaction from the equipment and have clear access and egress to the work area while on the job.

DO ensure the work environment is well lit with all aspects of the job easily seen and discernable.

DO keep the saw handle and controls clean, dry and free from oil and fuel and conduct the daily checks.

DO ensure that the blade and guard are fitted correctly & functional - check before starting the saw.

DO ensure there are no pipes or cabling in the material to be cut eg. gas, water, electrical.

DO not use fuel for cleaning purposes.

DO ensure correct lifting techniques are used when using or transporting any machine or materials.

cracks, loose or missing segments, worn or out of round arbor holes (blade aligning holes).

Be sure arbor shaft, backing plate and flange are clean and in good condition.

Drive pin should be tight in blade cap and long enough to fit through blade and into backing plate.

Arbor shaft nut must be securely tightened when blade is installed. (Note - do not run machine without blade as drive pin may hit inner guard and damage pin).

Before fitting a new blade, check that the rear washer is positioned correctly over the shaft and seated correctly.

Put on the new blade and then replace the front washer. Make sure that the front washer is positioned correctly over the shaft and seated correctly. Replace the cup washer and the Hex-head bolt before tightening securely.

Remove the screwdriver from the V belt housing.

Check that the blade is fitted correctly before starting and using the saw.

### BLADE SAFETY

Blades are constructed for radial pressure only. Lateral (sideways) pressure must be avoided.

To achieve a clean and efficient cut, pull the cutting blade across the work, or move it 'to and fro' in the direction of cut. Do not use force to push the cutting blade.

Check the roundness of the blade before it stops rotating at the end of cutting operation.

Check the blade for cracks, and make sure that no pieces have broken off.

Check the blade guard for cracks. In the event of finding the guard cracked, return the machine to the Kennards Hire centre from where it was hired or the nearest Kennards Hire centre.

Stop motor if loose particles or material causes the blade to jam. When completely stopped, remove the obstruction and always check for damage before resuming work. NEVER use a damaged blade or machine!

Operate the saw at a safe speed relative to the material being cut.

## MAINTENANCE ON SITE

- Clean the air filter daily
- Check belt tension and condition

## TROUBLESHOOTING

### IF THE MOTOR WILL NOT START

- Check fuel level
- Check that the run / stop switch is on run.
- Check that the spark plug lead has contact.
- Check that the choke is in the correct position.

### HELPFUL HINTS

- When cutting concrete, stone, etc, apply water to the blade to bind the dust.
- Adjust the blade guard so the bottom edge of the guard is parallel to the surface being cut, before starting the saw.
- Do not change direction once cutting operation has begun. Any sideways pressure could cause the blade to break.

## PETROL MODELS

DO ensure fuel tank cap is correctly fitted after refueling.

DO ensure fuel spills and leakages are cleaned away immediately, clothing with fuel spills is removed and skin etc washed with water.

DO ensure adequate ventilation if using the petrol saw in a confined area (Carbon Monoxide fumes can KILL).

## SAFETY DON'TS

DO NOT operate the concrete saw if you are tired or suffering any medical condition, or under the influence of any form of drugs or alcohol which may cause lethargy or pose risks to yourself or others. DO NOT use any machine or tool for a job it was not designed for.

DO NOT operate the saw without the blade and guard correctly fitted.

DO NOT attempt to use the concrete saw one handed.

DO NOT leave the saw in operation while it is unattended.

DO NOT touch the blade or other moving parts with your hand or any part of your body moving.

DO NOT wear loose fitting clothing, jewellery etc.

DO NOT overreach or work above shoulder height.

DO NOT ever use a damaged blade.

DO NOT ever use the side of the blade to cut or grind.

## PETROL MODELS

DO NOT operate the petrol saw indoors or in a poorly ventilated area. The petrol saw shall only be used in a well ventilated area. A build up of fumes can KILL...

DO NOT smoke while in the vicinity of petrol, petrol containers or petrol powered equipment.

DO NOT start or use the saw within 3 metres of any fuel containers.

DO NOT refuel the saw while it is running or hot.

DO NOT breathe fuel vapour and always wear appropriate PPE.

- Always pull the trigger fully when you apply the cutting blade to the material and regulate the speed of the machine by increasing and decreasing the pressure applied.

- When cutting stone, concrete and similar material, the blade should be moved forwards and backwards in the cut to obtain good conduction of heat away from the blade and a low temperature at the cutting point.

## ELECTRIC SAW

### OPERATING INSTRUCTIONS

1. Fill water tank with clean water and replace cap securely.
2. Connect electrical lead and check safety switch is operating by pressing the "test" button. Switch should move to "Off" position. If switch is faulty, DO NOT use saw. Contact your nearest Kennards Hire immediately.
3. Mount water tank to operators back. Adjust all leads and hosing to ensure free and unrestricted movement of operator.
4. Ensure operator has a firm, secure footing and clear egress for safety.
5. Press safety trigger then power switch to commence cutting. Allow blade to reach maximum revs before commencing cutting.
6. Do not force the blade. The machine should not labour when cutting.
7. Never cut deeper than necessary.
8. DO always ensure water is kept away from electrical equipment.

### STOPPING

1. Activate stop button.
2. Turn fuel tap off (if applicable).

## TROUBLESHOOTING

### IF THE MOTOR STARTS BUT BLADE DOESN'T ROTATE

- The drive belt probably needs replacing - contact your local Kennards Hire centre.

## BASIC BLADE PROBLEMS

- Segment loss - usually insufficient water.
- Arbor hole out of round - blade not properly tightened or seated on arbor.
- Blade will not cut - blade is glazed or too hard for job.

## SPECIFICATIONS

	350mm (14") Electric	350mm (14") Petrol	400mm (16") Petrol
Saw Weight	8.9kg + 5kg pack	10.3kg	11.2kg
Depth of Cut	125mm	125mm	145mm
Fuel Type	240v	Two stroke	Two stroke

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This operating and safety brochure is intended as a guide only for the safe operation of this equipment. It does not override license requirements nor is it a substitute for a structured operating lesson.

If you are unsure about any aspect of the equipment or its capabilities or if you are in doubt as to its proper usage, feel free to consult our trained employees for instruction or the answers to any questions you may have regarding the safe operation of this equipment.