

ROOT CUTTER ROOT CUTTER OPERATION & MAINTENANCE

1. WARNING

HIGH PRESSURE WATER IS EXTREMELY DANGEROUS

2. HELPFUL HINTS

Before attempting to use the Root Cutter in the pipe you should always first try to put a penetrator nozzle through the roots. By doing this first it helps to remove the dirt, gravel etc. from the roots and makes the root cutting operation easier and the blades last longer.

When using the Root Cutter, for example in a 12" pipe you should always try to put the 6" blade through first because:

- a) The blade is smaller and it is easier to cut through.
- b) The 6" blades are cheaper.
- c) For a quick remedy to return flow to pipe in emergencies.

3. SET UP

- a) Select and fit required blade and skid. Make sure all bolts and fittings are tight.
N.B. No skid required for 4" cutter.
- b) Connect to sewer hose and to avoid loss of root cutter tighten fitting firmly.
- c) Place root cutter in pipe with suitable hose protector.
- d) Engage pump, take careful notice of the water pressure reading on the gauge before letting root cutter proceed up the pipe.
- e) As the root cutter proceeds up the pipe keep your hand on the sewer hose. You can feel the root cutter turning action. If the root cutter jams on a large root, dropped collar etc. and stops rotating then you can feel it in the hose and the water pressure will rise on the gauge.
- f) If root cutter jams, retract until it starts turning again and proceed slowly.
- g) Note: It is not necessary to use the skid in all cases, but the life of the blade increases dramatically when it is used.

4. DAILY MAINTENANCE

- a) After use, the motor **MUST** be held in a vice and rotated Anti-clockwise looking at the blade and oil poured into the inlet. Rotate the motor until it turns freely and all water is expelled from exhaust port. If this procedure is not carried out the motor **WILL** seize.
- b) Depending on the pump filter size, impurities in the water can cause premature wear or the motor to jam. Please contact your supplier before dismantling or return to your supplier for repair.

5. PROBLEM SOLVING

PROBLEM	CAUSE	REMEDY
Rootcutter motor will not turn	Not oiled properly & seized	Soak with CRC & then lubricate
	Foreign matter in motor	Strip, clean and re-assemble
Low water pressure	Worn jets	Replace
	Blanking plug missing on backplate	Replace
	Worn motor	Replace
Motor has no power & turns freely	Worn motor	Replace