



CHAINSAW – PETROL/OIL MIX 2 STROKE



SAFETY INSTRUCTIONS

1. It is important to read all of this leaflet, and any others provided before you use the saw.
2. This chainsaw is a powerful cutting tool which can cause very serious injuries if not used properly. You must be fully competent to use it. Do not allow anyone else who is not fully competent to use it.
3. You must take great care at all times when working with the saw. If you are in any doubt about how to use the saw, do not use it.
4. Work with trees and timber can be hazardous – if you are in any doubt about your competence to do the job in hand, do not do it. Get a trained, competent professional to do the work, or find an alternative method which you are competent to handle.
5. Petrol is highly flammable. Take care not to cause a fire or explosion.
6. This chainsaw is designed for felling and trimming timber. Do not use it for anything else.
7. Plan your work and think ahead to make sure you will always be working safely.
8. You should wear as a minimum, the following personal protective equipment:
 Helmet EN397;
 Face shield EN166 or chainsaw mesh visor;
 Ear defenders EN352; SNR=25 minimum;
 Chainsaw safety mitts EN381.7;
 Chainsaw leg protectors giving all-round leg protection EN381.5;
 Chainsaw protective gaiters EN381.9;
 Industrial steel toe-cap boots EN345.
 Chainsaw protective boots can be worn in lieu of safety boots and gaiters.
9. Chainsaws must not be used by minors, or by anyone under the influence of drugs and alcohol.
10. Chainsaws are designed for use by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using them.

Competent operator

1. You must be competent to use this chainsaw. Before you start work, check that you fully understand all of the following points. If there is anything you do not understand, do not use the saw. Check with your employer, or the hire company.
2. The location, and function of all the controls.
3. The hazardous areas on the saw.
4. What 'kick back' is and what cutting actions lead to 'kick back'.
5. How the chain brake works and what it does.
6. How to stand correctly when using the saw and what the correct cutting action is.
7. How to start, and stop, the saw.
8. How to avoid blunting the chain.
9. What to do if the chain becomes blunt.

Work area

10. Do not use this chainsaw where there is a danger of explosion. It will ignite fumes from petrol, or gas cylinders.
11. To reduce the risk of serious or fatal injury from breathing toxic fumes, never run the chainsaw indoors or in poorly ventilated locations.
12. Make sure that the area is clear and safe and that no-one is near to you or could distract you.
13. Protect other people from the noise and from danger. Warn others to keep away, put up warning signs or barriers around your work area.
14. Make sure that the timber you are going to cut will not move. Use a proper 'horse' when cutting smaller pieces of wood.

Operators

15. If you are using the chainsaw 'at work' you must be trained and competent. You may require a recognised certificate of competence for any work with trees. You must not allow anyone who does not have the required competence to use the saw.
16. The following items of personal protective equipment (ppe) are the minimum that should be worn whenever you use this chainsaw. Particular jobs or environments may require a higher level of protection.
17. You must wear a face shield EN166 or chainsaw mesh visor when you are working with this machine.
18. This equipment is likely to cause noise levels up to 107dB(A) — wear Ear defenders EN352;SNR=25 giving hearing protection for this level as a minimum.
19. You must wear a safety helmet (EN397) when working with this machine. Tie up any long hair to prevent it getting caught in the machine.
20. Protect your hands with chainsaw safety mitts (EN381.7).
21. Wear industrial steel toe-cap safety boots (EN345).
22. Wear chainsaw leg protectors giving all-round leg protection (EN381.5) and chainsaw protective gaiters (EN381.9). Chainsaw protective boots can be worn instead of safety boots and gaiters.
23. Anybody who is working near to you will also need to wear appropriate personal protective equipment.

Chainsaws

24. Check your chainsaw, engine, chain, and all equipment. Do not use anything found damaged — contact Torrent Trackside 24 Hour Hotline Number 0845 7697168.
25. Make sure that the control switch is off before checking the chain tension. Wear your chainsaw mitts.
26. The chain should move easily, around the guidebar, without being loose.
27. Check the chain brake by pushing the front hand guard forward. You should not be able to move the chain.
28. Some work with trees should only be done by a fully competent professional operator. Do not try to cut down any tree over 4 metres in height or with a trunk greater than 150mm diameter. Do not try to cut up any fallen trees that were over those sizes when standing. Do not attempt to cut down any storm damaged or hung-up trees. Get a professional tree surgeon to do these jobs.
29. Do not use the saw for any work that requires the user to be off the ground, for example standing on a ladder or a platform, or any work involving cutting above shoulder height.
30. Do not use the saw for cutting small shrubs or trees without solid wood.
31. Do not use the saw for cutting timber that may have nails or other foreign bodies in it.
32. Check that the chain oil tank is topped up before you start work.
33. Make sure that you understand all of the controls. Before you start the chainsaw, you must know how to stop it.

Refuelling

1. No smoking.
2. Use a fresh mixture of two stroke engine oil with petrol. If the hire company have given you special instructions on how much oil to use, follow them. Otherwise use 1 measure of two stroke oil to 25 measures of petrol (40 ml per litre).
3. Stop the engine and let it cool down.
4. If possible, move the machine away from your work area.
5. Clean the filler cap and the area around it to prevent dirt falling into the fuel tank.
6. Shake the fuel can to mix the petrol and oil.
7. Use a funnel when refuelling. Do not spill any fuel on yourself or the machine.
8. Wipe any fuel off the machine. Dispose of fuel soaked cloth carefully.
9. If you spill any fuel on the ground, wipe it up or cover it with soil.
10. If you spill any fuel on your clothes, change them straight away.
11. Put all fuel caps back on properly, and move your fuel can to a safe, cool place.
12. Check the level of chain oil.

Starting the chainsaw controls


1. This is a brief description of the controls found on most chainsaws. Check your saw to find the controls before you try to start it.
2. There is an interlock control on the throttle trigger, to prevent the throttle being squeezed or pressed accidentally. You always need to press the interlock in before you can squeeze the throttle.
3. The main control lever has three positions. Under normal running it is at the **I** position. Push the control lever forward to **O** to stop the saw. The rear position **II** is only used when starting the engine.
4. Your machine may have a decompression valve. This is only used when starting the chainsaw — it needs to be pressed before each fresh attempt to start the engine.
5. The choke control should only be used when first attempting to start the engine from cold.

Starting from cold

1. This is a brief description of the starting procedure for most chainsaws. If the hire company has given you special instructions for your saw, follow them. Otherwise, follow the instructions given below.
2. Press the interlock and the throttle at the same time. Whilst keeping these pressed, in pull the control lever back to the starting position. **II**
3. Now release the throttle, control lever, and interlock: the throttle is now in position ready to start.
4. Set the choke lever to **Z** if the engine is cold. If the engine is warm, the choke control should be in the running position. **E**
5. If your chainsaw has a decompression valve, set it. You need to set the decompression valve each time a fresh attempt is made to start the engine.
6. Place the chainsaw squarely on its base plate on the ground. Make sure that the chain is not touching the ground or any obstruction.
7. Hold the saw firmly, with your left hand on the front handle.
8. With your right hand, pull out the starter handle slowly until you can feel that the starter has engaged with the engine, then pull it quickly and strongly. Don't pull it too far, or it may break.
9. Guide the cord back into place so that it recoils correctly.
10. If the engine is now running, squeeze and release the throttle trigger. The control lever will revert to its normal position **I** and the engine will idle. Set the choke control to. **E**
11. If the engine did not start, set the choke to **E** set the decompression valve, and pull the starter cord again.

12. In cold weather, you may need to let the engine warm up by gently opening the throttle, before starting work.

Starting from hot

1. Press the interlock and throttle at the same time. While keeping these pressed in, pull the control lever back to the starting position.
2. Now release the throttle, control lever and interlock: the throttle is now in position ready to start.
3. Set the choke lever to the  position.
4. Follow the rest of the instructions from instruction 5 onwards given in the section 'starting from cold'.

Once the saw is running

1. Check that the saw chain runs freely, and stops when the throttle control is released.
2. Push the front hand guard forward to check that the chain brake works.
3. Check that the chain oiler is working by holding it pointing down over some clear ground, with the chain running. Oil should be sprayed on the ground.
4. Switch off to check that the on/off control works.

Using the chainsaw

1. Wear ALL of your chainsaw protective equipment.
2. Make sure that you have got a firm footing, and that there is no danger of you slipping or stumbling while working.
3. Make sure that the tip of the guide bar does not accidentally touch anything. If it does, the saw may kick back and cause an injury.
4. Stop the saw before you put it down, or if you need to carry it anywhere. Put the guide bar cover back on.
5. Always keep your left hand on the front handle, with your right hand on the rear handle, controlling the throttle. Stop the saw if you need to move some timber.
6. If the saw throws out sawdust instead of chippings, it is a sign that the chain is becoming blunt. Stop the saw, and change the chain, adjusting the tension to suit.
7. You should always be alert when using the chainsaw. If you are tired, leave the job until another day.
8. Stop the engine if leaving the machine unattended.
9. Put the guide bar cover back on when you have finished work.
10. If your equipment does not work properly, do not attempt to repair it. Contact Torrent Trackside 24 Hour Hotline Number 0845 7697168.
11. You may want to read this leaflet again. Please keep it until you finish work.

GLASGOW:	0141 771 3337
BOLTON:	01204 371144
ROTHERHAM:	01709 558111
LICHFIELD:	01543 421900
BRISTOL:	0117 982 6622
HARLOW:	01279 423147
MAIDSTONE:	01622 710500
HOTLINE NUMBER:	0845 7697168