



Skokie 847-677-2010 Glenview 847-657-9020 Wheeling 847-537-2255

Concr. Chain Gas Oil 12

FUEL MIXTURE: 25:1 gasoline/oil mixture.

GASOLINE	OIL	GASOLINE	OIL
US Gallon	US Fl oz	Liters	ml
1	5.2	1	40
2 1/2	12.8	5	200
5	25.6	10	400
		20	800

Use premium unleaded gasoline with a minimum octane rating of 90. If lower octane gasoline is used, engine temperature will increase which can result in a piston seizure and damage the engine. Always provide adequate ventilation when handling fuel. Use caution when handling gasoline. Avoid direct contact with skin or inhaling fuel vapor.

FUEL MIXING

- Always mix gasoline and oil in a clean container intended for use with fuel.
- Keep fuel container closed tightly to prevent moisture from getting into the fuel.
- Always begin mixing fuel by adding half the amount of gasoline to be used. Then add the correct amount of two-stroke oil for 25:1 mixture and finish filling the container with gasoline.
- Do not mix more than one month's supply of fuel. This helps prevent the separation of the two-stroke oil from the gasoline (varnishing).
- If the cut-off saw is not used for an extended period of time (3 months) the fuel tank should be emptied and cleaned.

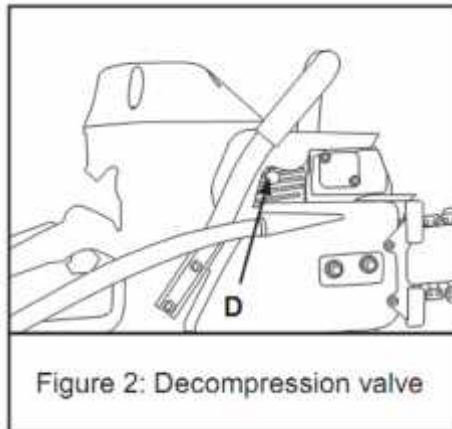
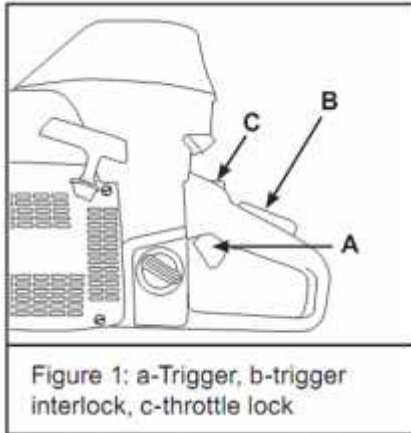
FUELING

- Always shut off the cut-off saw before fueling.
- Before fueling, clean the area around fuel cap to prevent dirt from contaminating the fuel. Contamination of the fuel tank can lead to cut-off saw malfunction.
- Thoroughly mix the fuel in its container before fueling.
- Slowly open the fuel cap to release any pressure that may have built-up in the tank.
- After adding fuel, tighten the fuel cap carefully and secure with a wrench.

IMPORTANT: Place the chain-based cut-off saw on clear ground. Ensure that secure footing is established and diamond chain is not contacting any objects.

COLD ENGINE STARTING PROCEDURE

1. Toggle the ignition switch to the "ON" position and pull the choke lever out.
2. Lock the throttle in the start position by depressing the trigger (A) and trigger interlock (B) at the same time.
3. Depress and hold throttle lock button (C) while releasing the trigger and trigger interlock in succession.
4. Press decompression valve (D).
5. Open the water valve ¼ turn.
6. Place the 613GC Cut-Off Saw on the ground making sure the chain is free of any obstructions.
7. Place right foot on the base of the rear handle.
8. Place left hand on front handle.
9. With right hand, slowly pull starter handle until the starter pawls engage.
10. Pull the starter cord (*hard, fast, short pulls*) until engine fires or "pops" – should be 1 to 7 pulls.
11. Push the choke lever in.
12. Check decompression valve. Press if necessary.
13. Pull the starter cord until engine starts - should be 1 to 2 pulls.
14. When the engine starts, allow the engine to idle. Pull on the throttle trigger several times to help warm up the engine.
15. Open the water valve completely.



WARM ENGINE STARTING PROCEDURE

1. Use the same procedure as starting cold engine, but **DO NOT pull choke lever out**. If choke is used, the carburetor will flood with gas.
2. If the engine does not start in 3 hard, fast pulls with the throttle locked, unlock the throttle and pull the starter cord 3 more times. Note: To hold the trigger fully open it may be necessary to insert right foot into rear handle opening and twist.

PRE-CUT CHECKLIST:

- Proper Diamond Chain Installation: The bumper should lead the segment into the cut.
- Proper Diamond Chain Tension: The diamond chain should be tight but easily pulled around the guide bar by hand.
- Ensure all safety devices are properly mounted and functional and that all controls are in proper working order.
- Be sure there are no obstructions (plumbing, electrical conduit, air ducts) and no unnecessary people present.
- Always wear protective clothing, including hard hat, eye protection, hearing protection, non-slip safety boots, and gloves. Avoid wearing loose fitting clothing.
- Diamond chains with SealPro

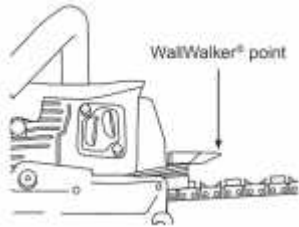
- Require a minimum water pressure of 20 psi (1.4 bar).

PLANNING THE CUT:

- Outline the cut with a permanent marker for a visual cutting guide.
- Avoid pinching the guide bar and diamond chain. Always cut the bottom of an opening first, then top, and then the sides. Save the easiest cut for last.
- For the straightest cuts use the “Step Cut” method. First score the entire cut line approximately a half-inch deep using the nose of the guide bar. Next, deepen the cut by about two inches. Then plunge all the way through and complete the cut using the Wallwalker.
- Be sure cut concrete cannot fall and injure operator or bystanders. Concrete is very heavy, one cubic foot = 12”x12”x12”= 150 lbs. (30cm x 30cm x 30cm = 68kg).
- Check for live electrical wiring near the cutting area or in the concrete to avoid electrocution.

CUTTING WITH THE 613GC CUT-OFF SAW: To start a cut, hold trigger on full throttle and slowly plunge the nose of the guide bar straight into the wall. Lengthen the cut and engage the point of the fixed Wallwalker. Use the fixed Wallwalker as a pivot point and pull up on the rear handle to rotate the guide bar into the cut.

CUTTING TIPS:



- Always operate the chain-based cut-off saw at full throttle. Apply enough feed force so that the free running RPM drops 20 to 30%. If too much force is applied, the cut-off saw will lug or stall. The diamond chain will not have enough speed to cut effectively. If too little feed force is applied, the diamonds will skid and glaze over.
- For straighter cuts use the “step cut” method. First score the entire cut line with the nose of the guide bar approximately ½ inch (12mm) to 1 inch (25mm) deep. Next, deepen the cut by about 2 inches (50 mm). This groove will help guide the guide bar for a straight cut. Then plunge all the way through and complete the cut using the fixed Wallwalker.
- Plunge cut instead of starting at the top of the wall. This will reduce chatter, extend diamond life, create a straighter cut and more quickly enable the use of the Wallwalker.
- Use the fixed Wallwalker to help cut more efficiently and reduce operator fatigue. The fixed Wallwalker is a fulcrum that can be used to apply additional force when cutting. To use correctly, plunge into the wall and simply engage the point of the fixed Wallwalker into the cut and pry upward with the rear handle.
- As the cut-off saw begins to rotate up, feed force is developed down the line of the intended cut. Once the cut-off saw is fully rotated upwards, pull the cut-off saw out of the cut a few inches and re-engage the pick into the cut and repeat.
- When cutting heavy rebar, slowly “rock” the cut-off saw so that you’re always cutting concrete as well as steel. This will help keep the diamonds exposed. Also, expect less diamond chain life when cutting heavy rebar.
- Expect more diamond chain stretch when making nose buried cuts for extended periods of time, as the diamond chain does not have a chance to “throw” the slurry away from the nose of the guide bar.
- If the cut-off saw begins to cut consistently crooked, turn the guide bar over and use the other side. Dress worn rails with belt sander. Note: The normal life of a guide bar is 2 to 3 diamond chains. Heavy rebar can shorten guide bar life.
- When using a new diamond chain, you can increase the cutting speed by “opening up the diamonds”.

Make a few cuts in an abrasive material such as a cinder block.

SYSTEM CLEAN-UP

- After cutting, run the saw for at least 15 seconds with the water on to flush slurry and debris from diamond chain, guide bar and drivesprocket.
- Wash concrete slurry from cut-off saw assembly.
- Avoid getting any water in the carburetor or exhaust system. If water enters exhaust port, point the guide bar tip down and pull the starter handle several times to expel water from muffler.
- Remove guide bar and diamond chain. Flush out the chain tensioner with high water pressure and lubricate with grease.
- After cleaning the cut-off saw, spray the entire saw body, diamond chain, guide bar, and drive sprocket with lightweight oil. Using lightweight oil on the cut-off saw will minimize rust and help reduce slurry build up.