EDGE™ POWER AUGERS

OPERATING AND PARTS MANUAL

p/n 104081



ReelSchematic

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Please follow these Important safety precautions regarding your Clam Edge auger during use

1. This product is solely intended for use in drilling holes in the ice. It should be handled and used with caution as there are very sharp edges on the blades and a spinning auger during use that could cause bodily harm if not used properly.

2. Keep all articles of clothing as well as body parts away from the powerhead and spinning auger during operation at all times. Your auger is a tool that should be handled with caution.

3. This product should not be altered in any way from its original, purchased condition unless with an authorized Clam accessory or part. Using parts other than from Clam could be potentially damaging to the product or dangerous to the user, and will void all warranties by the manufacturer.

4. Person(s) using this auger should weigh a minimum of 100 lbs., and not be under the influence of any chemicals or mind-altering substances. The Edge auger operates with a lot of torque and speed, and the operator must be fully aware and prepared for that during its use.

5. If by any chance, something is not in proper working condition on your auger-recoil, auger, throttle, etc…, do not use it. Bring it to an authorized service center for repair.

6. Verify all hardware-especially the 4 bolts on the blades and the one socket head bolt holding the auger to the powerhead, are secure prior to usage.

7. If by any chance, the auger stops spinning during cutting, release the throttle and pull up on the auger to release the torque. Then reapply the throttle and continue drilling.

8. When the auger is not in use, turn off the power by pressing the stop switch. Do not let it run while leaving your auger unattended.

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1. Recoil (starter) Handle
2. Fuel Cap
3. Fuel Tank
4. Full Fuel Level
5. Decompression Button
6. Throttle Lever
7. Air Filter Cover
8. Throttle Rod
9. Choke Lever
10. Transmission
11. Stop Switch
12. Spark Plug Cap
13. Recoil
14. Muffler Guard
15. Muffler
16. Rigid Handle System



Assembly of your Edge auger

1. Remove the black protective cap from the motor shaft on powerhead.



2. Remove the Allen wrench from the auger, then remove the socket head bolt from the auger with the Allen wrench.



3. Insert motor shaft on powerhead into auger. Line up the holes between components and reinstall socket head bolt. Tighten with the provided Allen wrench. Verify the bolt is tight on a regular basis between uses.



Verifying your Edge auger is ready to start

1. Make sure there is free movement of the throttle lever. Verify it can be fully depressed and then return to its “idle” position on its own after releasing the throttle.

2. Verify all hardware is secure-especially the four bolts on the blades and the single socket head bolt holding the auger onto the powerhead.

3. Periodically inspect to make sure the ignition wire is firmly connected to the spark plug.

Fueling your Edge auger

- Always take precautions when handling fuel or fuel/oil mix, as it is a highly flammable liquid. Avoid open flames, sparks or static electricity. Also avoid breathing in any fumes as they are hazardous to your health.
- Verify that the engine is not running and is cool to the touch.
- Remove the fuel cap slowly to prevent the risk of fuel spraying out from any built up pressure.
- Always store fuel in a proper, labeled container. If any is spilled on the auger, itself, clean thoroughly.

Recommended fuel for your Edge auger

- **DO NOT USE E85 OR LEADED FUEL. IT SHOULD ALSO BE FRESH AND CLEAN OF DEBRIS.**
- **USE REGULAR, PREMIUM OR NON-OXYGENATED PREMIUM UNLEADED FUELS ONLY.**
- **USE ONLY WINTER BLENDED FUELS AVAILABLE AFTER NOVEMBER 1ST THAT HAVE A MINIMUM OCTANE RATING OF 87.**
- **FAILURE TO FOLLOW FUEL PRECAUTIONS COULD CAUSE DAMAGE TO YOUR AUGER THAT WOULD NOT BE COVERED BY YOUR MANUFACTURER'S WARRANTY.**

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Recommended oil for your Edge auger

- **USE ONLY HIGH QUALITY 2 CYCLE OIL WITH APPROPRIATE FUEL**
- **OIL SHOULD BE MIXED WITH FUEL AT A RATIO OF 40:1 OR 3.2 FL OZ TO 1 GALLON OF GAS**
- **DO NOT MIX OIL TO FUEL AT A RATIO LESS THAN 50:1 (2.6 FL OZ TO 1 GALLON OF GAS) OR DAMAGE COULD OCCUR TO YOUR AUGER THAT WOULD NOT BE COVERED BY THE MANUFACTURER'S WARRANTY**
- **DO NOT USE SYNTHETIC OIL**

Adding fuel/oil mix to your Edge auger

- REMOVE FUEL CAP-ITEM #2 FOUND ON PAGE 2
- ONCE PROPER FUEL/OIL MIX HAS BEEN BLENDED, POUR GAS FROM AN APPROVED, SAFE CONTAINER INTO FUEL TANK UNTIL FLUID LEVEL REACHES THE "FULL" LEVEL. ITEM #4 ON PAGE 2 –DO NOT OVERFILL
- REINSTALL FUEL CAP BACK ONTO FUEL TANK

YOUR CLAM EDGE AUGER IS NOW READY TO BE STARTED!

Starting your Edge Auger



1. Press the fuel primer bulb between 5 and 8 times-or until you see fuel returning in the fuel line. (Button on the right in bubble)

2. Push in the decompression button. (Button on the left)



3. Position the choke lever to the “Start” position. (shown in “Run” position)

4. Pull the recoil handle in short, fast pulls. If your Edge auger doesn’t start on the first pull, you will need to push in the decompression button again. Note: each time you pull on the recoil handle to start the engine, you will need to reset the decompression button.

5. Repeat step 4 until engine starts. Once running, position the choke lever to the “Run” position and for best performance, allow the auger’s engine to run at idle for 1-2 minutes before drilling.

   Note: Edge auger might be harder to start in extreme cold as all engines can be a little harder in very cold temperatures. Under these very cold conditions you might want to apply a little pressure to the throttle lever to aid in the starting process. In warmer conditions this shouldn’t be necessary.

   - In the event your engine becomes flooded and won’t start, you will need to remove and clean the spark plug.-Removing the spark plug is covered in the “Maintenance” section of this manual.
   - Once the spark plug is removed, apply full throttle to the throttle lever and pull the recoil handle a couple times to clear the combustion chamber.
   - Replace the spark plug and cap, keep the throttle lever in “Idle” position or without applied force, and start the engine with the choke lever in the “Run” position.

6. To turn off your Edge auger once it’s running, simply push the momentary stop switch found on the throttle lever assembly. Doesn’t get any easier…
   Note: In the event your stop switch fails, position choke lever to “Start” position and allow engine to shut off. Bring your auger to an authorized service center for immediate attention.



Maintenance of your Edge auger

Spark plug inspection and replacement

- **You should inspect your spark plug for proper gap after approximately every 50 hours of use**
- **For optimum performance, the spark plug gap should measure .019”**
- **Replace when electrodes have become badly worn-or approximately every 100 hours of use**



1. Remove the spark plug cover-item #12 on page 2, by pressing down on it and pulling back from the powerhead. You’ll need to slightly lift it to fully remove.
2. Once the cover has been removed, you can gently pull off the ignition wire, and remove the spark plug with a ¾” socket and ratchet.
3. Measure the gap on your spark plug. Adjust or repace as necessary.
4. Reinstall spark plug, ignition wire and spark plug cover.

Note: Replacement spark plugs are offered in several brands. Champion’s RCJ-6Y and Bosch’s WSR6F are two viable options.

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Air filter inspection, cleaning and replacement

- **You should inspect your air filter for cleanliness after approximately every 50 hours of use**
- **Inspect and clean the air filter more frequently if you notice a performance reduction in your auger. Or, if you notice your auger using more gas than typical.**



1. Set your choke to the “Start” position, which will close the choke and prevent any contaminants from entering your carburetor.
2. Turn the wing screw (knob of left side of image) counter-clockwise and pull the air filter cover toward you from the left side to remove it.
3. Once the cover has been removed, remove air filter by gently pressing down on the upper part of the filter on the rubber-not element, itself.
4. To clean, lightly tap on the filter to free contaminants. Do not use compressed air or clean with water.
5. Reinstall cleaned or new filter. (New filter p/n is 2048154)
6. Reinstall Air Filter cover by installing the guide pins on the right hand side first, then pushing the left side towards the motor. Turn wing screw Clockwise to secure.



Never adjust the carburetor to compensate for the air filter. Replace as necessary or damage could occur.

Prolonged shutdown of your Edge auger

If you plan on storing your auger for more than a month, you should perform the following-

- Completely drain the fuel tank until it's empty.
- Start and run the auger with the fuel tank empty until the engine shuts off. This will ensure the carburetor has been fully emptied and won't have any fouling due to residual fuel/oil mix. This will also help in starting the auger the next time you run it.
- Thoroughly clean the powerhead-including the air and fuel filter areas, as well as the air intake area.
- Store safely in a dry, controlled area away from heat, flames, or even kids.

Note: If your Edge auger is stored with stabilized fuel, you should start it at least once a month to ensure that it stays in good working order. Letting it sit too long between starts could cause fouling of the carburetor that you warranty would not cover.

Limited Warranty

You Edge auger has a warranty that will cover the cost of replacing parts that are found to be defective from the manufacturer. The initial purchaser has a 2 year warranty on the engine through Central Power Distributors-including the emissions system, while Clam Corp. provides the initial purchaser with a one year warranty on the transmission, auger and blades.

The following circumstances will result in the voiding of your warranty

- Not performing any maintenance work on your auger
- Adjusting components such as the carburetor away from the factory setup
- Misuse and abuse of your auger
- Damage from excessive dirt or buildup on your auger
- Repairs made by a non-authorized repair center
- Use of incorrect fuels or oils
- Not following the operational instructions

Some parts are not covered by the warranty, and are considered normal wear and tear. Both filters-air and fuel, the clutch, spark plugs, recoil, blades and rubber parts that handle gas are not covered by your warranty.

Warranty repairs should be performed only by a Clam authorized repair center.

For a list of Clam Edge authorized service centers, as well as registering your warranty, please visit www.clamoutdoors.com.

For ordering parts for your Clam Edge engine, please see one of our warranty repair service centers or visit Central Power Distributors online at www.cpdonline.com.

Thank you for purchasing a Clam Edge auger. For a list of other great Clam products, visit www.clamoutdoors.com.

Good luck fishing!

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