

DC HOUSE ED-52CC

DC HOUSE 52CC 1800W Gas Powered Earth Auger Post Hole Digger Instruction Manual

Model: ED-52CC | Brand: DC HOUSE

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, assembly, and maintenance of your DC HOUSE 52CC 1800W Gas Powered Earth Auger. Please read this manual thoroughly before operating the equipment. Understanding and following these instructions will ensure optimal performance and extend the lifespan of your earth auger.

The DC HOUSE Earth Auger is designed for digging post holes in various soil conditions, suitable for tasks such as fence installation, deck construction, and tree planting.

2. SAFETY INFORMATION

General Safety Precautions:

- Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, gloves, and sturdy footwear.
- Ensure the work area is clear of bystanders, pets, and obstacles.
- Do not operate the auger in wet conditions or near electrical lines.
- Handle fuel with extreme care. Refuel in a well-ventilated area with the engine off and cool.
- Keep hands and feet away from the rotating auger bit.
- In case of emergency, locate and be familiar with the emergency stop switch on the handle.

EPA Certification:

This earth auger features an EPA-certified engine, ensuring compliance with environmental protection standards. This certification indicates reduced emissions and improved environmental performance.



U.S. ENVIRONMENT PROTECTION AGENCY(EPA) CERTIFIED

Why choose EPA certified?

·HARMLESS TO HUMAN BODY

·LOW-AIR POLLUTION

·AUTHORITY CERTIFICATION



Image: Information regarding the EPA certification of the engine, highlighting benefits such as being harmless to the human body, low air pollution, and authority certification.

3. PACKAGE CONTENTS

Upon receiving your DC HOUSE Earth Auger, verify that all components are present and undamaged. The package typically includes:

- 52CC 1800W Engine Power Head
- Handlebar Assembly
- Drill Bits: 4-inch, 6-inch, and 8-inch diameter auger bits
- Fuel Mixing Bottle
- Spark Plug
- Basic Tool Kit
- Instruction Manual

Note: Due to the size and weight of the components, your order may arrive in multiple packages. If any parts are

missing or damaged, contact customer support immediately.



Image: All components of the DC HOUSE Earth Auger, including the engine power head, handlebar, three drill bits (4", 6", 8"), fuel mixing bottle, spark plug, and a small tool kit.

TWO PACKAGE SHIPPING

Another package will arrive 2-3 days later



Image: Illustration showing the earth auger components being shipped in two separate packages, one for the engine and one for the drill bits.

DRILL BITS SIZE (INCH)

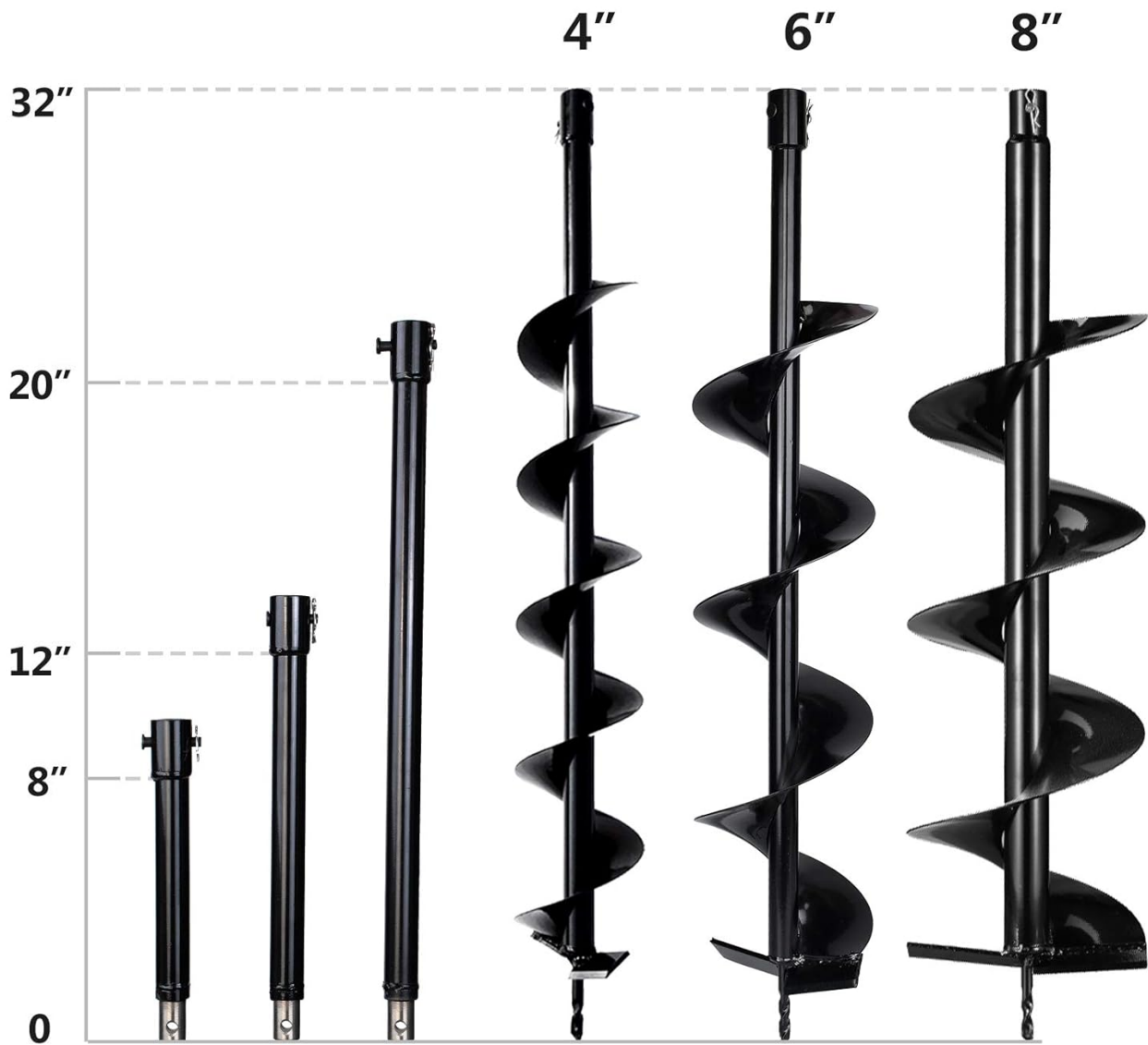


Image: Diagram illustrating the different sizes of auger drill bits included: 4-inch, 6-inch, and 8-inch diameters, with their respective lengths.

4. ASSEMBLY

Follow these steps to assemble your earth auger:

1. **Attach the Handlebar:** Securely fasten the handlebar assembly to the engine power head using the provided bolts and nuts. Ensure all connections are tight.
2. **Connect the Auger Bit:** Select the desired drill bit (4", 6", or 8"). Align the auger bit shaft with the output shaft of the engine. Insert the locking pin or bolt to secure the bit in place. Verify that the bit is firmly attached before operation.

5. FUEL MIXING

This earth auger is powered by a 2-stroke engine and requires a specific gasoline-to-oil mixture. Using the incorrect mixture will damage the engine and void the warranty.

Mixing Ratio: 30:1 (Gasoline : 2-Stroke Engine Oil)

1. Use fresh, unleaded gasoline with an octane rating of 87 or higher.
2. Use high-quality 2-stroke engine oil specifically designed for air-cooled engines.
3. Using the provided mixing bottle, measure gasoline and 2-stroke oil according to the 30:1 ratio. For example, for 1.2 liters (1200ml) of fuel tank capacity, you would mix 1160ml of gasoline with 40ml of 2-stroke oil.
4. Pour the gasoline into the mixing bottle first, then add the 2-stroke oil.
5. Securely close the mixing bottle and shake it thoroughly to ensure a complete mix.
6. Carefully pour the mixed fuel into the auger's fuel tank. Do not overfill.

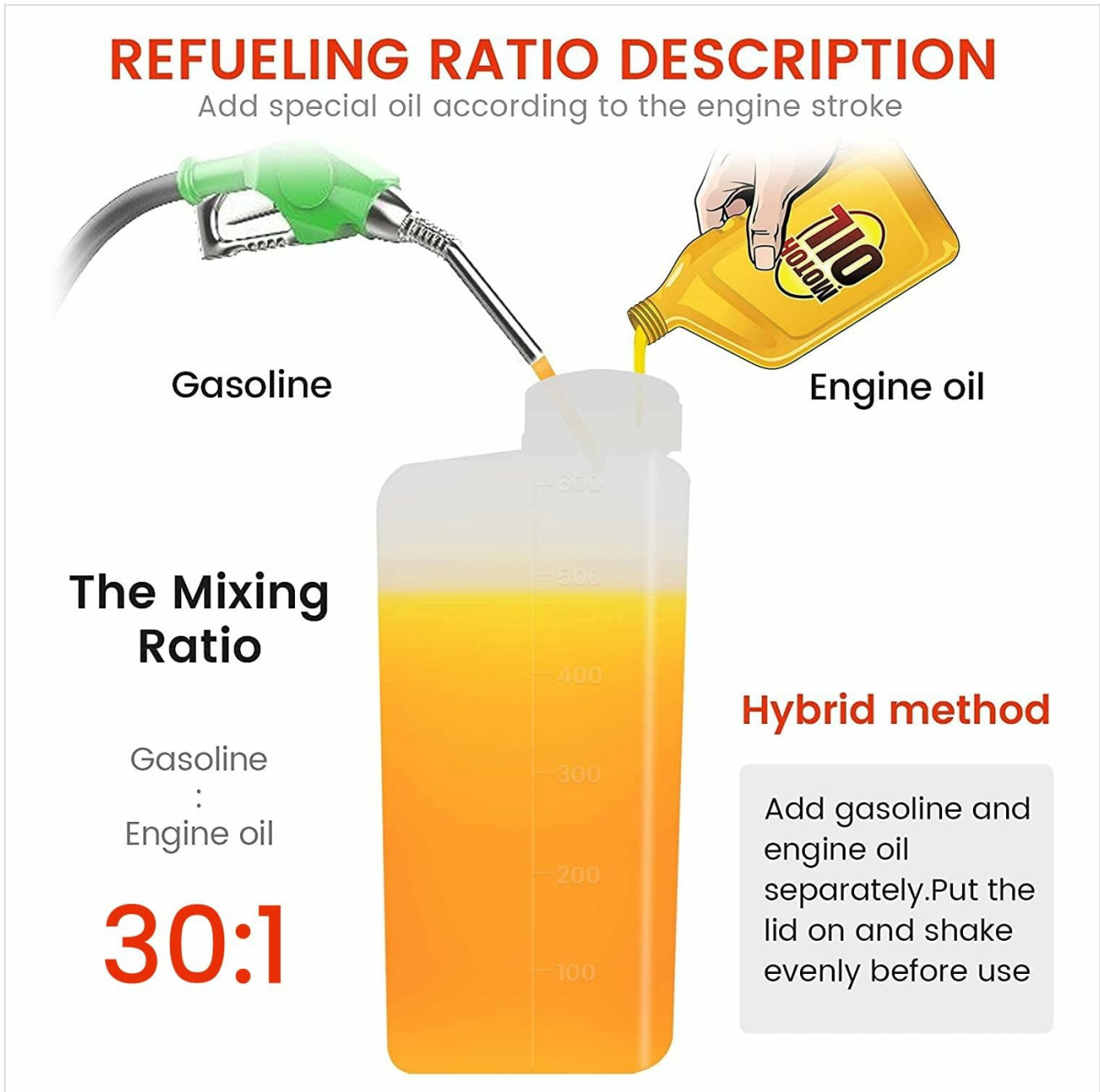


Image: Visual guide demonstrating the 30:1 gasoline to engine oil mixing ratio using a measuring bottle, showing separate addition and then shaking for a hybrid method.

6. OPERATION

Starting the Engine:

1. Place the auger on a flat, stable surface.

2. Ensure the emergency stop switch is in the 'ON' position.
3. Move the choke lever to the 'CLOSED' or 'START' position.
4. Press the primer bulb several times until fuel is visible in the return line.
5. Pull the starter cord firmly and smoothly until the engine fires (usually 1-3 pulls).
6. Once the engine fires, move the choke lever to the 'OPEN' or 'RUN' position.
7. If the engine does not start, repeat the process. If it stalls, check fuel levels and spark plug.

Operating Controls:

- **Constant Speed Switch:** Engages a continuous operating speed.
- **Start Switch:** Initiates engine operation.
- **Safety Button:** Must be pressed before engaging the throttle.
- **Speed Adjustment (Throttle):** Controls the auger bit rotation speed.

USE MORE SECURE EASILY

① Constant speed switch

STEP 1

Turn on the switch

② Start switch

STEP 2

Press the safety switch

③ Safety button

STEP 3

Adjust the speed

④ Speed adjustment

STEP 4

Constant speed operation, free hand

Image: Diagram illustrating the operating controls on the handle, including the constant speed switch, start switch, safety button, and speed adjustment (throttle), along with a four-step guide for starting and adjusting speed.

Drilling Technique:

1. Hold the auger firmly with both hands, maintaining a balanced stance.
2. Position the auger bit over the desired digging location.
3. Press the safety button and gradually engage the throttle to start the bit rotating.
4. Apply steady, downward pressure as the bit penetrates the soil. Avoid excessive force.
5. If the bit encounters resistance (e.g., rocks or roots), reduce pressure or lift the auger slightly to clear the obstruction. Do not force the auger, as this can cause kickback or damage.
6. Periodically lift the auger slightly to clear loose soil from the hole, allowing for deeper penetration.
7. Once the desired depth is reached, release the throttle and allow the bit to stop rotating before removing it from the hole.



Image: The DC HOUSE Earth Auger in operation, demonstrating its strong 1800W power as it digs into the soil, creating a pile of excavated earth.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your earth auger. Always turn off the engine and allow it to cool before performing any maintenance.

- **Air Filter:** Regularly inspect and clean the air filter. A dirty air filter can reduce engine performance and increase fuel consumption. Clean with warm, soapy water, rinse thoroughly, and allow to dry completely before reinstallation.
- **Spark Plug:** Check the spark plug periodically for wear, carbon buildup, or damage. Replace if necessary. Ensure the correct gap is maintained.
- **Auger Bit:** Inspect the auger bit for wear or damage. Sharpen or replace dull bits for efficient digging. Clean soil and debris from the bit after each use.
- **General Cleaning:** Clean the exterior of the engine and housing with a damp cloth. Avoid spraying water directly onto electrical components.
- **Storage:** When storing for extended periods, drain the fuel tank or use a fuel stabilizer. Store the auger in a clean, dry place, away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

This section addresses common issues you might encounter:

Problem	Possible Cause	Solution
Engine does not start	No fuel or incorrect fuel mix Choke in wrong position Dirty spark plug Emergency stop switch off	Check fuel level and mix (30:1) Adjust choke to 'CLOSED' then 'OPEN' Clean or replace spark plug Ensure switch is 'ON'
Loss of power during operation	Dirty air filter Incorrect fuel mix Dull auger bit	Clean air filter Verify 30:1 fuel mix Sharpen or replace auger bit
Excessive vibration or kickback	Hitting an obstruction (rock, root) Loose auger bit	Reduce pressure, clear obstruction Tighten auger bit connection

If you encounter issues not listed here or if solutions do not resolve the problem, contact DC HOUSE customer support.

9. SPECIFICATIONS

Key technical specifications for the DC HOUSE ED-52CC Earth Auger:

- **Engine Type:** Single Cylinder, 2-stroke, Air-cooled
- **Engine Displacement:** 52CC
- **Power Output:** 1.8KW / 8000rpm
- **Fuel Mixing Ratio:** 30:1 (Gasoline : 2-Stroke Oil)
- **Fuel Tank Capacity:** 1.2 Liters
- **Transmission:** Ball bearing shafts and alloy gears
- **Carburetor:** With pump
- **Starting System:** Easy starting system (cord starter), Centrifugal clutch
- **Auger Bit Sizes Included:** 4-inch, 6-inch, 8-inch diameter
- **Standard Shaft Size:** 3/4 inch
- **Maximum Drilling Depth (single bit):** Approximately 2.6 feet

- **Material:** Alloy Steel

PRODUCT SIZE (INCH)

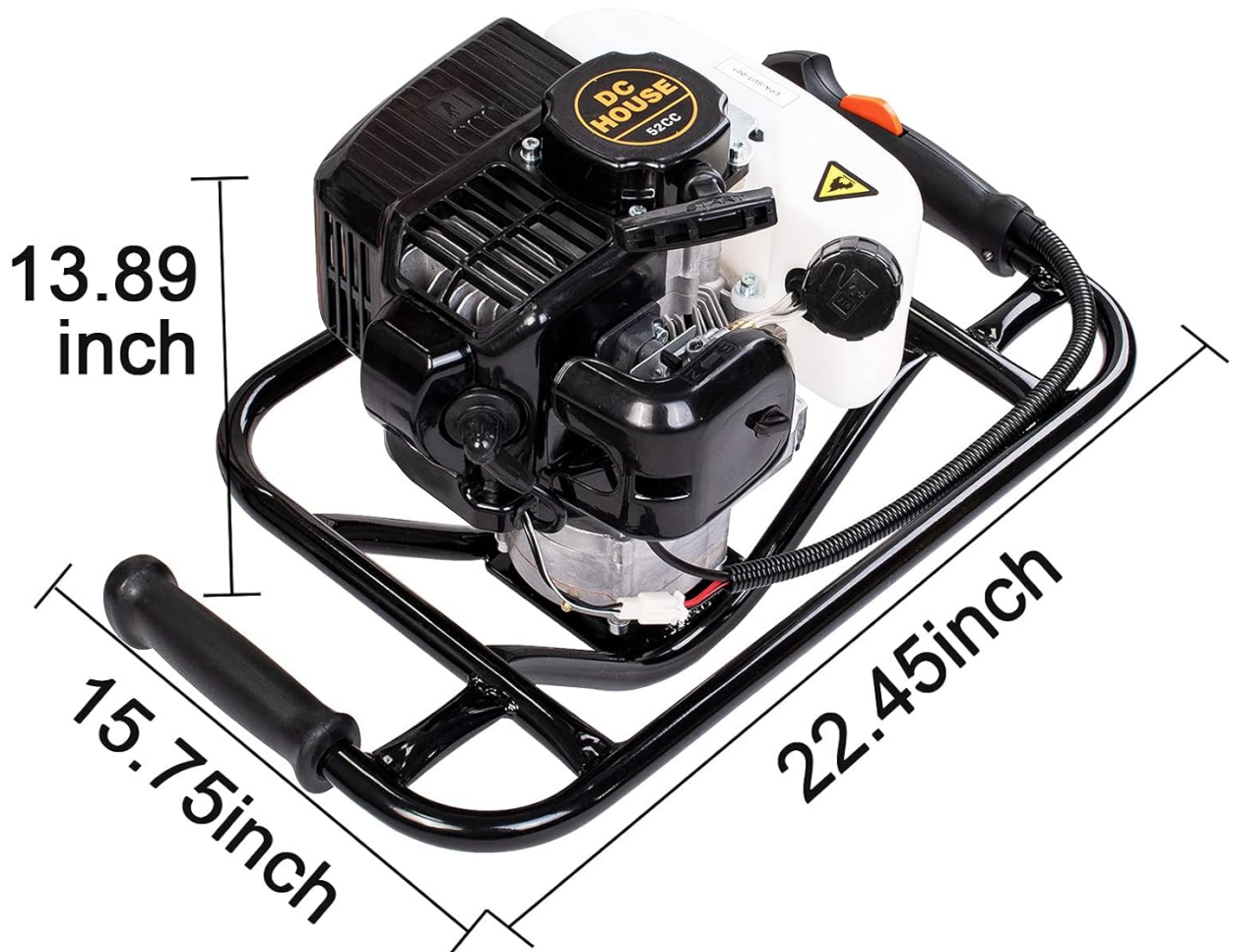


Image: Diagram showing the overall dimensions of the DC HOUSE Earth Auger power head: approximately 22.45 inches in length, 15.75 inches in width, and 13.89 inches in height.



SPEED UP TO 110-280 RPM

High Torque, Strong Power

High Speed Alloy Gearbox

Image: Close-up view of the earth auger's gearbox, highlighting its alloy gears and indicating a speed range of 110-280 RPM, signifying high torque and strong power.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please contact DC HOUSE customer service. Refer to your purchase documentation for specific warranty terms and contact details. Always provide your model number (ED-52CC) and purchase date when seeking support.

