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Eapmic 1

Heavy Duty Jack Hammer for Demolition - Instruction Manual

Model: 1

Brand: Eapmic

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Introduction

This manual provides essential instructions for the safe and effective operation, setup, maintenance, and troubleshooting of your Eapmic Heavy Duty Jack Hammer. This versatile 3-in-1 tool is designed for various demolition tasks, including ground slotting, rock breaking, wall drilling, and concrete demolition. Please read this manual thoroughly before use to ensure proper handling and to prevent injury or damage to the equipment.



Figure 1: Eapmic Heavy Duty Jack Hammer, showcasing its robust design and primary components.

Safety Information

Always prioritize safety when operating power tools. Failure to follow these instructions may result in serious injury or property damage.

General Safety Rules:

- **Read the Manual:** Before operating, read and understand all instructions and safety warnings in this manual.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses, hearing protection, gloves, and sturdy footwear. A dust mask is recommended for dusty environments.
- **Work Area Safety:** Keep the work area clean, well-lit, and free of clutter. Ensure adequate ventilation. Keep bystanders, children, and pets away from the operating area.
- **Tool Condition:** Inspect the tool for damage or loose parts before each use. Do not operate a damaged tool.
- **Fuel Handling:** Handle gasoline with extreme care. Store fuel in approved containers in a well-ventilated area away from ignition sources. Refuel outdoors and allow the engine to cool before refueling.
- **Proper Grip:** Maintain a firm grip on the tool handles during operation.
- **Avoid Overreaching:** Maintain proper footing and balance at all times.
- **Engine Exhaust:** The engine produces carbon monoxide, a colorless, odorless, poisonous gas. Operate only in well-ventilated areas.
- **Maintenance:** Perform maintenance only when the engine is off and cooled.

Setup and Assembly

This section details the steps required to prepare your jack hammer for first use, including assembly and fuel preparation.

Package Contents:

Verify that all components are present in the package:

- 1x Demolition Jack Hammer
- 1x Auxiliary Handle
- 1x Fuel Oil Mixing Bottle
- 1x Funnel
- 1x Point Chisel
- 1x Flat Chisel
- 2x Filters
- 3x Drills (various sizes)
- 1x English Manual
- Other Accessories for Use (e.g., toolkit, wrenches)



Figure 2: All components included with the Eapmic Jack Hammer, including the main unit, various chisels and drills, fuel mixing bottle, and toolkit.

Fuel Preparation:

The jack hammer uses a 2-stroke engine and requires a specific fuel mixture.

1. **Mixing Ratio:** Mix unleaded gasoline with 2-stroke engine oil at a ratio of**25:1 (Gasoline: 2-stroke Engine Oil)**. Use the provided fuel oil mixing bottle for accurate measurement.
2. **Mixing Procedure:** Pour the required amount of 2-stroke oil into the mixing bottle first, then add gasoline up to the marked level for the 25:1 ratio. Securely close the bottle and shake well to ensure thorough mixing.
3. **Filling the Fuel Tank:** Using the funnel, carefully pour the mixed fuel into the jack hammer's fuel tank. The tank capacity is approximately 0.9 liters (0.24 gallons). Do not overfill.
4. **Secure Cap:** Ensure the fuel tank cap is securely tightened after filling.



Figure 3: Illustration of the fuel tank and information regarding fuel capacity and consumption rate, highlighting the tool's endurance.

Attaching Accessories (Drill/Chisel):

The tool features a 5-slot clamping head for quick and secure attachment of bits.

1. **Select Bit:** Choose the appropriate drill bit or chisel (point or flat) for your task.

2. **Insert Bit:** Insert the shank of the bit into the 5-slot clamping head until it clicks into place. Ensure it is fully seated and locked.
3. **Check Security:** Gently pull on the bit to confirm it is securely locked and will not dislodge during operation.

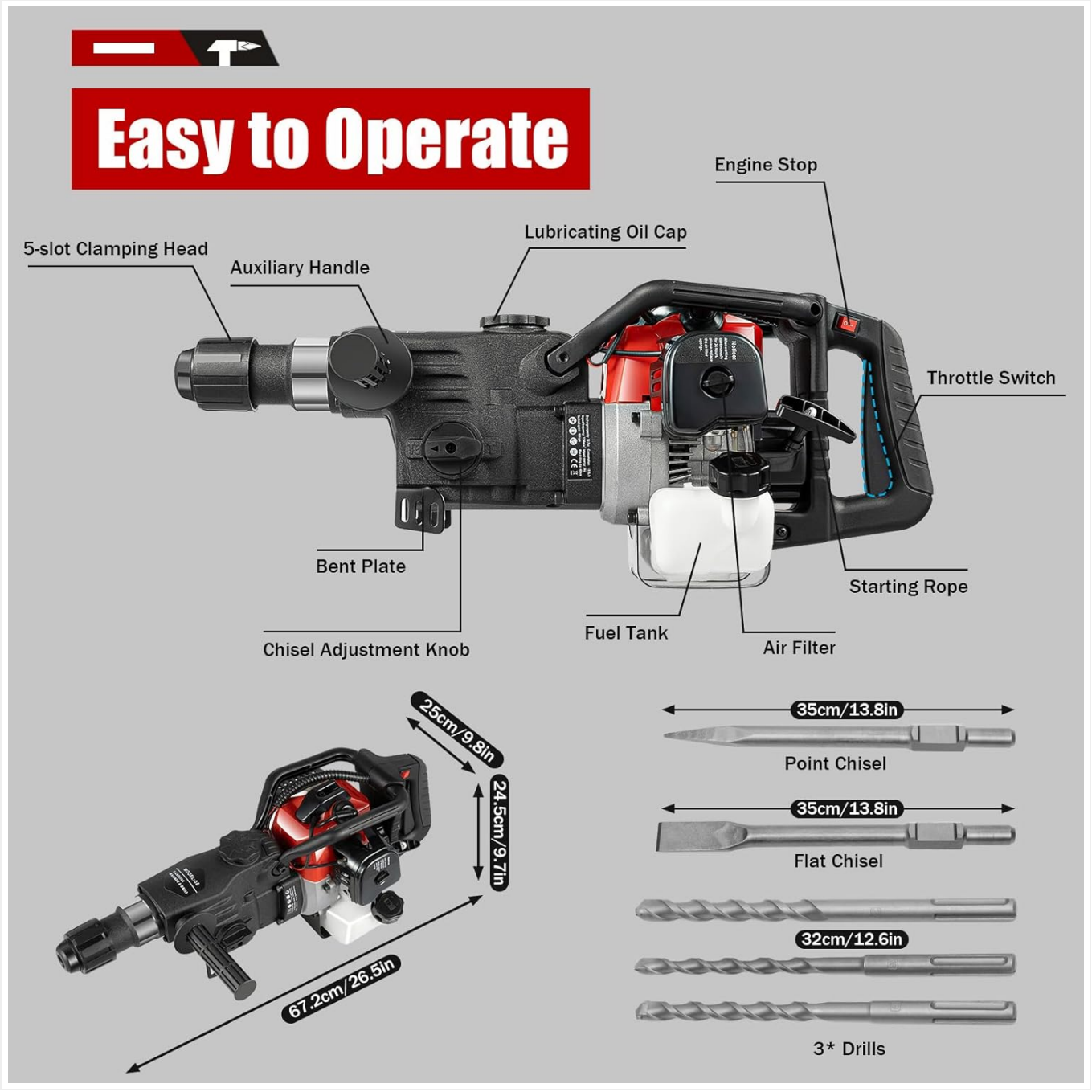


Figure 4: Detailed diagram showing key components such as the 5-slot clamping head, auxiliary handle, fuel tank, and various drill and chisel sizes.

Operation

This section provides instructions for starting and operating your jack hammer.

Starting the Engine (Hand Pull Start):

1. **Prime (if necessary):** If the tool has been stored for a long time or is new, you may need to prime the carburetor according to the engine's specific instructions (refer to Figure 4 for component locations like the fuel tank and air filter).
2. **Choke:** Set the choke lever to the "START" or "CHOKE" position (usually for cold starts).

3. **Throttle:** Ensure the throttle switch is in the idle or starting position.
4. **Pull Start:** Hold the main handle firmly. Grasp the starting rope handle and pull it slowly until you feel resistance, then pull it quickly and firmly. Repeat until the engine starts.
5. **Choke Adjustment:** Once the engine starts, gradually move the choke lever to the "RUN" position as the engine warms up.
6. **Warm-up:** Allow the engine to warm up for a few minutes before engaging in heavy work.

Operating the Jack Hammer:

The Eapmic jack hammer offers multiple functions for various demolition and drilling tasks.

- **Hammering/Demolition:** For breaking concrete, rock, or other hard materials, use the appropriate chisel. Position the chisel on the target surface and apply steady pressure. The tool's impact frequency ranges from 2300 to 4000 bpm (blows per minute) with an impact energy of 30J.
- **Drilling:** When using drill bits, apply consistent pressure and allow the tool to do the work. The maximum drill speed is 450 rpm.
- **Ergonomics:** The ergonomically designed handle and auxiliary handle (Figure 4) are intended to reduce user fatigue. Always use both hands for control.
- **Applications:** This tool is suitable for:
    - Ground Slotting
    - Rock Breaking
    - Wall Drilling
    - Concrete Demolition
    - Housing foundation removal
    - Brick demolition
    - Interior decoration
    - Pipeline engineering



Figure 5: Visual representation of the jack hammer's multi-functional capabilities, including hammering, slotting, drilling, and crushing, with an emphasis on switching between hammer and chisel forms.



Figure 6: Examples of the jack hammer in use across different construction tasks, illustrating its wide range of applications.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your jack hammer. Always ensure the engine is off and cooled before performing any maintenance.

Daily Maintenance:

- **Cleaning:** After each use, clean the exterior of the tool to remove dust, dirt, and debris. Use a damp cloth; avoid using harsh solvents.
- **Inspect Bits:** Check drill bits and chisels for wear or damage. Replace them if necessary.
- **Check Fasteners:** Ensure all screws and bolts are tight. Tighten any loose fasteners.

Periodic Maintenance:

- **Air Filter:** Regularly inspect and clean the air filter. A clogged air filter can reduce engine performance and lead to premature wear. Clean with compressed air or wash with soapy water and allow to dry completely before

reinstallation.

- **Lubrication:** Check the lubricating oil level (refer to Figure 4 for the Lubricating Oil Cap location). Replenish or change oil as recommended by the engine manufacturer's guidelines (not explicitly stated in product description, but standard for such tools).
- **Spark Plug:** Inspect the spark plug periodically. Clean or replace if fouled or worn.
- **Fuel System:** If storing the tool for an extended period, drain the fuel tank and run the engine until it stops to clear the carburetor of fuel. This prevents fuel degradation and gumming.

Troubleshooting

This section provides solutions to common issues you might encounter with your jack hammer. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Engine does not start	No fuel or incorrect fuel mixture Choke not set correctly Spark plug fouled or loose Air filter clogged	Check fuel level and ensure correct 25:1 gasoline/oil mixture. Adjust choke to "START" for cold engine, then to "RUN" once started. Inspect, clean, or replace spark plug. Ensure it is properly gapped and tightened. Clean or replace air filter.
Loss of power or poor performance	Clogged air filter Incorrect fuel mixture Worn or dull bit/chisel Engine overheating	Clean or replace air filter. Verify fuel mixture ratio (25:1). Replace or sharpen the bit/chisel. Allow engine to cool down. Ensure cooling fins are clean.
Excessive vibration	Loose components Damaged bit/chisel	Check and tighten all fasteners. Inspect and replace damaged bits/chisels.

Specifications

Detailed technical specifications for the Eapmic Heavy Duty Jack Hammer.

Feature	Specification
Brand	Eapmic
Model Number	1
Color	Black, Red
Material	Aluminum, Plastic, Silicon
Process	Plastic Spraying
Starter System	Hand Pull Start
Engine Type	36*32mm Single Cylinder, Air Cooling, 2-stroke
Max. Power	1000W (1800 Watts listed in some specs, using 1000W from description)

Feature	Specification
Max. Drill Speed	450rpm
Displacement	33CC
Impact Frequency	2300~4000bpm
Impact Energy	30J
Max. Torque and Speed	1.45N.m/5300rpm
Fuel Mixture Ratio	25:1 (Gasoline: 2-stroke Engine Oil)
Fuel Tank Capacity	0.9L / 0.24gal
Fuel Consumption Rate	≤0.5L / 0.13gal Per Hour
Noise Level	≤104dB
Drill Size	32cm / 12.6in
Point Chisel Size	35cm / 13.8in
Flat Chisel Size	35cm / 13.8in
Product Size (L*W*H)	67.2*25*24.5cm / 26.5*9.8*9.7in
Net Weight	12.95kg / 28.6lbs
Gross Weight	14kg / 30.9lbs
Assembly Required	Yes



Figure 7: Visual summary of key product specifications, including material, engine type, power, and dimensions.

Warranty & Support

Warranty Information:

Specific warranty terms and conditions for the Eapmic Heavy Duty Jack Hammer are provided by the manufacturer or seller at the time of purchase. Please refer to your purchase documentation or contact the seller directly for detailed warranty coverage, duration, and claim procedures. Keep your proof of purchase for warranty purposes.

Customer Support:

For technical assistance, parts, or service inquiries, please contact the seller or manufacturer. When contacting support, please have your product model number (Model: 1) and purchase date readily available to expedite assistance. Manufacturer: YUINDY

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Question

Example: How do I reset this device or fix this error?

Details

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Submit question

Answered questions about this manual

How can I order replacement drill bits for the Eapmic Heavy Duty Jack Hammer (Model 1)?

To order replacement drill bits or chisels for your Eapmic Heavy Duty Jack Hammer (Model 1), you should follow these steps: Contact the Seller: The manual specifies that for parts and service inquiries, you...

Read full answer

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