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› GZWSGHH Mini Excavator Auger (Model 987699) Instruction Manual

GZWSGHH 987699

GZWSGHH Mini Excavator Auger Instruction Manual

Model: 987699

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your GZWSGHH Mini Excavator Auger. This attachment is designed for mini excavators weighing between 0.8 to 1.5 tons, featuring an auger diameter of 200mm. It is engineered for tasks such as digging holes and drilling piles in various soil conditions.

The GZWSGHH Excavator Auger is constructed from heavy-duty alloy steel, ensuring durability and a long service life. Its hydraulic control system allows for flexible operation and fast drilling speeds, enhancing work efficiency for a range of applications.



Image 1.1: Mini excavator utilizing the auger attachment for drilling.

2. PRODUCT SPECIFICATIONS

Feature	Specification
Model Number	987699
Brand	GZWSGHH
Auger Diameter	200mm
Connection Span	90mm (3.54in)
Connection Hole Diameter	25mm (0.98in)
Center Wheelbase	90mm (3.54in)
Compatible Excavator Weight	0.8 to 1.5 tons
Material	Heavy-duty alloy steel

Feature	Specification
Finish	Glossy black paint

3. INCLUDED COMPONENTS

The GZWSGHH Mini Excavator Auger package typically includes the following items:

- 1 x Soil Auger (200mm diameter)
- 2 x Hydraulic Pipes
- 2 x Connecting Pins



Image 3.1: Detailed dimensions of the auger and connection components.

4. SETUP AND INSTALLATION

Proper installation is crucial for the safe and effective operation of your auger. Always ensure the excavator is turned off and secured before beginning installation.

1. **Verify Compatibility:** Before installation, carefully check the auger's connection dimensions (span: 90mm/3.54in; hole diameter: 25mm/0.98in; center wheelbase: 90mm/3.54in) against your mini excavator's boom specifications to ensure a proper fit.
2. **Position Excavator:** Park the mini excavator on a flat, stable surface. Lower the boom and bucket to the ground. Turn off the engine and engage the parking brake.
3. **Attach Auger Drive Unit:** Align the auger drive unit's mounting bracket with the excavator's boom attachment points. Insert the connecting pins through the corresponding holes to secure the drive unit. Ensure pins are fully seated and secured with appropriate retainers.
4. **Connect Hydraulic Hoses:** Connect the provided hydraulic pipes from the auger drive unit to the excavator's auxiliary hydraulic lines. Ensure all connections are tight and free from leaks. Refer to your excavator's manual for specific auxiliary hydraulic connection points.
5. **Attach Auger Bit:** Securely attach the 200mm soil auger bit to the drive unit's output shaft. Ensure it is properly aligned and locked into place according to the drive unit's design.
6. **Initial Check:** Before operation, visually inspect all connections, pins, and hydraulic lines for security and any signs of damage.

5. OPERATING INSTRUCTIONS

The GZWSGHH Mini Excavator Auger is designed for efficient drilling. Follow these guidelines for optimal performance and safety.

1. **Pre-Operation Check:** Before starting the excavator, ensure the work area is clear of obstructions, underground utilities, and personnel. Verify all hydraulic connections are secure and the auger bit is properly attached.
2. **Start Excavator:** Start the mini excavator according to its manufacturer's instructions.
3. **Position Auger:** Carefully maneuver the excavator to position the auger directly over the desired drilling location. Lower the auger until the tip makes contact with the ground.
4. **Engage Hydraulics:** Activate the excavator's auxiliary hydraulic system to begin rotating the auger. Gradually apply downward pressure using the excavator's boom to allow the auger to penetrate the soil.
5. **Drilling Process:** Maintain a steady, controlled downward pressure. Avoid excessive force, which can stall the auger or damage the equipment. If the auger encounters resistance, lift it slightly, clear any debris, and resume drilling. For deeper holes, periodically lift the auger to clear excavated material from the hole.
6. **Complete Drilling:** Once the desired depth is reached, disengage the auxiliary hydraulics to stop the auger's rotation. Slowly lift the auger out of the hole.
7. **Post-Operation:** Turn off the excavator, engage the parking brake, and relieve hydraulic pressure before dismounting.

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Video 5.1: Demonstration of the auger's spiral rotation during operation.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your GZWSGHH Mini Excavator Auger.

- **Cleaning:** After each use, clean the auger bit and drive unit to remove soil, mud, and debris. This prevents corrosion and buildup that could hinder performance.
- **Inspection:** Regularly inspect the auger bit for wear, damage, or dullness. Sharp drill bits are essential for efficient drilling. Check the drive unit for any signs of leaks, loose fasteners, or damage. Inspect hydraulic hoses for cracks, abrasions, or leaks.
- **Lubrication:** Lubricate all grease points on the drive unit and connection points as recommended by the excavator and auger drive unit manufacturers.
- **Storage:** Store the auger in a clean, dry place when not in use to protect it from the elements.
- **Hydraulic Fluid:** Ensure the excavator's hydraulic fluid levels are maintained according to the excavator manufacturer's specifications.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your auger attachment.

- **Auger Not Rotating:**
 - Check hydraulic hose connections for tightness and proper routing.
 - Ensure the excavator's auxiliary hydraulics are engaged and functioning correctly.
 - Verify hydraulic fluid levels in the excavator.
- **Reduced Drilling Speed or Performance:**
 - Inspect the auger bit for wear or damage; a dull bit will reduce efficiency.
 - Ensure sufficient hydraulic flow and pressure from the excavator.
 - Check for obstructions in the soil or wrapped around the auger.
- **Excessive Vibration or Noise:**
 - Check for loose connections or mounting pins.
 - Inspect the auger bit for damage or imbalance.
 - Ensure the auger is properly seated in the drive unit.

If you encounter persistent issues not covered here, please contact customer support.

8. SAFETY INFORMATION

Operating heavy machinery attachments requires strict adherence to safety protocols to prevent injury or damage.

- **Read Manuals:** Always read and understand both this auger manual and your mini excavator's operating manual before use.
- **Personal Protective Equipment (PPE):** Wear appropriate PPE, including hard hat, safety glasses, hearing protection, safety boots, and gloves.
- **Work Area:** Ensure the work area is clear of bystanders, especially children and pets. Mark and avoid underground utilities (e.g., gas lines, electrical cables, water pipes).
- **Machine Stability:** Operate the excavator on stable, level ground. Be aware of the machine's center of gravity when operating the auger, especially on slopes.
- **Hydraulic Pressure:** Never work on hydraulic lines or connections while the system is under pressure. Always relieve pressure before performing maintenance or adjustments.

- **Rotating Parts:** Keep hands, feet, and clothing clear of the rotating auger bit. Never attempt to clear obstructions while the auger is in motion.
- **Operator Training:** Only trained and authorized personnel should operate the excavator with the auger attachment.
- **Emergency Shut-off:** Know the location and operation of the excavator's emergency shut-off controls.

9. WARRANTY INFORMATION

For specific warranty details regarding your GZWSGHH Mini Excavator Auger, please refer to the documentation provided at the time of purchase or contact the seller directly. Warranty terms typically cover manufacturing defects under normal use conditions.

10. CUSTOMER SUPPORT

Should you require assistance with installation, operation, maintenance, or have any questions about your GZWSGHH Mini Excavator Auger, please contact your point of purchase or the manufacturer, GZWSGHH Co., Ltd., for support.

Manufacturer: GZWSGHH Co., Ltd.

Seller: HCFBHUO

Please have your model number (987699) and purchase date available when contacting support.