

AGT INDUSTRIAL AGT-MX15-(B)

AGT INDUSTRIAL AGT-MX15-(B) Small Excavator Instruction Manual

Model: AGT-MX15-(B)

1. SAFETY INFORMATION

For safe operation of the AGT-MX15-(B) Small Excavator, please adhere to all safety guidelines. This equipment is intended for specific uses and requires careful handling.

- Always wear appropriate personal protective equipment (PPE), including hard hat, safety glasses, gloves, and steel-toed boots.
- Ensure the operating area is clear of personnel, obstacles, and overhead hazards before starting.
- Never operate the excavator under the influence of alcohol or drugs.
- Perform a pre-operation inspection to check for any damage, leaks, or loose components.
- Understand and follow all local safety regulations and site-specific rules.
- Do not exceed the maximum digging depth or lifting capacity.
- Secure the machine properly when transporting.

2. PRODUCT OVERVIEW

The AGT-MX15-(B) is a compact and powerful 1-ton mini excavator designed for various digging and earthmoving tasks. It features a 13.5HP engine and includes a non-hydraulic thumb for enhanced material handling capabilities.

Key Features and Specifications:

- **Model:** AGT-MX15-(B)
- **Operating Weight:** 0.9 Ton (approximately 2205 lbs)
- **Net Horsepower (HP):** 13.5HP
- **Displacement:** 420cc
- **Max Digging Depth:** 1,769 mm (70 in)
- **Max Digging Height:** 2,583 mm (102 in)
- **Overall Height:** 2,210 mm (91 in)
- **Overall Width:** 936 mm (43 in)
- **Blade Max Drop Depth:** 146 mm (6 in)

- **Track Width:** 180*72*37 (Width*Pitch Length*Links)
- **Thumb:** Non-hydraulic thumb included
- **Model Year:** 2024



Figure 2.1: Side view of the AGT-MX15-(B) Small Excavator, showing the main body, tracks, and boom assembly.



Figure 2.2: The AGT-MX15-(B) Small Excavator with its boom extended and the non-hydraulic thumb attachment visible on the bucket.

3. SETUP AND ASSEMBLY

The AGT-MX15-(B) excavator typically arrives partially assembled. Follow these general steps for final setup:

1. **Unpacking:** Carefully remove the excavator from its packaging. Inspect for any shipping damage.
2. **Fluid Checks:** Verify engine oil, hydraulic fluid, and fuel levels. Top up if necessary using recommended fluids.
3. **Battery Connection:** Connect the battery terminals, ensuring correct polarity.
4. **Control Familiarization:** Locate and understand the function of all control levers, pedals, and switches. Refer to the control diagram (if provided separately).
5. **Attachment Installation:** If any attachments (e.g., bucket, thumb) are not pre-installed, follow the specific instructions for secure mounting. Ensure all pins and safety clips are in place.
6. **Safety Guard Installation:** Install any removable safety guards or covers as instructed.

A tool box is included with the product for basic maintenance and assembly needs.

4. OPERATING INSTRUCTIONS

Before operating, ensure you have read and understood the safety information. Always operate the excavator from the operator's seat.

4.1 Starting the Engine

1. Ensure the parking brake is engaged and all controls are in the neutral position.
2. Turn the ignition key to the 'ON' position.
3. If equipped, engage the choke for cold starts.
4. Turn the ignition key to the 'START' position and release once the engine starts. Do not crank for more than 5 seconds.
5. Allow the engine to warm up for a few minutes before beginning operation.

4.2 Basic Operation

- **Driving:** Use the track control levers/pedals to move the excavator forward, backward, and to turn.
- **Boom and Arm:** Use the joystick controls to raise/lower the boom and extend/retract the arm.
- **Bucket:** Use the joystick controls to curl in or dump the bucket.
- **Swing:** Use the swing control to rotate the upper structure of the excavator.
- **Blade:** Use the blade control lever to raise or lower the dozer blade.
- **Thumb:** The non-hydraulic thumb is manually adjustable or fixed, used in conjunction with the bucket for gripping materials.

4.3 Shutting Down

1. Park the excavator on level ground.
2. Lower all attachments to the ground.
3. Engage the parking brake.
4. Allow the engine to idle for a few minutes to cool down.
5. Turn the ignition key to the 'OFF' position.
6. Remove the key to prevent unauthorized use.

5. MAINTENANCE

Regular maintenance is crucial for the longevity and safe operation of your AGT-MX15-(B) excavator.

- **Daily Checks:** Inspect fluid levels (engine oil, hydraulic fluid, coolant), check for leaks, inspect tracks for damage, and ensure all safety devices are functional.
- **Engine Maintenance:** Follow the engine manufacturer's recommendations for oil changes, air filter cleaning/replacement, and spark plug inspection.
- **Hydraulic System:** Check hydraulic fluid level regularly. Replace hydraulic filters as per schedule.
- **Greasing:** Lubricate all grease points on the boom, arm, bucket, and swing bearing daily or before each use.
- **Track Tension:** Periodically check and adjust track tension to prevent premature wear.
- **Cleaning:** Keep the excavator clean, especially around the engine and hydraulic components, to prevent overheating and contamination.
- **Storage:** When storing for extended periods, ensure the excavator is clean, all fluids are at correct levels, and the battery is disconnected or maintained.

6. TROUBLESHOOTING

This section provides solutions to common operational issues. For complex problems, contact qualified service personnel.

- **Engine Fails to Start:**

- Check fuel level.
- Ensure battery connections are secure and the battery is charged.
- Verify ignition switch is functioning.
- Check spark plug for fouling or damage.

- **Loss of Hydraulic Power:**

- Check hydraulic fluid level.
- Inspect for hydraulic leaks.
- Ensure hydraulic filters are not clogged.

- **Overheating Engine:**

- Check coolant level.
- Clean radiator fins and engine cooling areas.
- Ensure proper ventilation.

- **Unusual Noises:**

- Identify the source of the noise.
- Check for loose components, worn bearings, or insufficient lubrication.

7. DETAILED SPECIFICATIONS



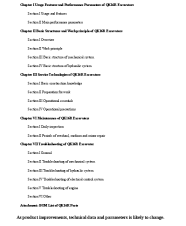
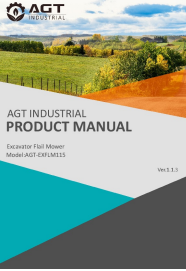

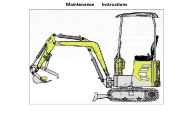
Specification	Value
Product Dimensions	90.55 x 39.37 x 82.68 inches
Item Weight	2205 pounds
ASIN	B0FJCKVS5D
Manufacturer recommended age	3 years and up (Note: This is likely a classification for toy versions, actual operation requires adult supervision and training)
Manufacturer	AGT INDUSTRIAL

8. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or to order replacement parts, please contact AGT INDUSTRIAL customer service. Refer to your purchase documentation for specific warranty terms and contact details.

Always provide your model number (AGT-MX15-(B)) and serial number when contacting support to ensure efficient service.

Related Documents - AGT-MX15-(B)

	<p>AGT-DY14 Excavator 14-Paragon With Thumb Clamp Product Manual</p> <p>Comprehensive product manual for the AGT-DY14 Excavator 14-Paragon With Thumb Clamp, detailing safety precautions, operation guidelines, maintenance schedules, recommended lubricants, and waste disposal procedures for safe and efficient use.</p>
	<p>H12 Excavator Parts Catalog - AGT</p> <p>Comprehensive parts catalog for the AGT H12 Excavator. Features detailed exploded view diagrams and parts lists for all major assemblies including undercarriage, powertrain, hydraulic systems, engine, and attachments.</p>
	<p>QK16R Excavator User Manual: Operation, Maintenance, and Troubleshooting</p> <p>Comprehensive user manual for the QK16R Excavator, covering features, performance parameters, basic structure, work principle, maintenance procedures, and troubleshooting guides for optimal operation and longevity.</p>
	<p>AGT Excavator Flail Mower AGT-EXFLM115 Product Manual</p> <p>This product manual provides essential information for the safe operation, maintenance, and service of the AGT Excavator Flail Mower, Model AGT-EXFLM115. It includes general comments, pre-operation checks, and detailed safety precautions for operators and equipment.</p>
	<p>ULINE H-8463, H-8464 Gantry Crane Parts and Specifications</p> <p>Detailed parts list and overview for the ULINE H-8463 and H-8464 Gantry Cranes, including part numbers, descriptions, and manufacturer information.</p>
	<p>Mini-Excavator Maintenance Instructions and Safety Guide</p> <p>Comprehensive maintenance instructions, safety precautions, and periodic checklist for the mini-excavator. Learn how to operate, inspect, and maintain your equipment safely and efficiently.</p>