

AGT INDUSTRIAL B1000

AGT INDUSTRIAL 10,000 Lbs Two Post Hydraulic Auto Lift User Manual

Model: B1000

1. PRODUCT OVERVIEW

The AGT INDUSTRIAL 10,000 Lbs Two Post Hydraulic Auto Lift (Model B1000) is designed for professional and home garage use, providing a robust and reliable solution for vehicle maintenance and repair. This floor plate, symmetric arm lift features a 10,000 lbs lifting capacity, making it suitable for a wide range of cars, trucks, and SUVs. Its durable construction and thoughtful design ensure safe and efficient operation.



Figure 1: The AGT INDUSTRIAL 10,000 Lbs Two Post Hydraulic Auto Lift, showcasing its two-post design and symmetric arms.

2. SAFETY GUIDELINES

Always prioritize safety when operating heavy machinery. Read and understand all instructions before installation or operation. Failure to follow these guidelines may result in serious injury or equipment damage.

- Ensure the lift is installed on a level, solid concrete foundation capable of supporting the lift's weight and maximum load.
- Only qualified personnel should perform installation and major maintenance.
- Keep the work area clean and well-lit. Remove all unnecessary tools and equipment from the lift area.
- Do not exceed the maximum rated load capacity of 10,000 lbs.
- Always center the vehicle on the lift arms and ensure all four lifting pads are securely positioned under the vehicle's designated lifting points.
- Before working under the vehicle, lower the lift onto its mechanical safety locks. Never rely solely on the hydraulic system to hold the vehicle.
- Wear appropriate personal protective equipment (PPE), including safety glasses and steel-toed boots.
- Keep hands and feet clear of moving parts during operation.
- Disconnect power before performing any maintenance or repairs.
- Do not modify the lift in any way. Use only genuine replacement parts.

3. COMPONENTS AND FEATURES

The AGT INDUSTRIAL Two Post Hydraulic Auto Lift is equipped with several key components designed for performance and safety.

- **Symmetric Arms:** Features two 2-stage arms and two 3-stage arms for versatile vehicle positioning and balanced lifting.
- **Reinforced Carriage:** Whole-plate structure reinforced carriage for enhanced stability and durability.
- **Service (Inspection) Hole:** Convenient access point for maintenance and inspection.
- **Over-Sized Pulley:** Designed for smooth cable operation and extended lifespan.
- **Multi-Strand Non-Rotary Non-Stretchy Cable:** High-quality cables for reliable and consistent lifting.
- **Lifting Pads and Adapters:** Includes four screw-up rubber pads and eight truck adapters for various vehicle types.



Figure 2: Detail of the robust arm connection point, highlighting the secure attachment mechanism.



Figure 3: Close-up view of a screw-up rubber lifting pad, designed for secure contact with the vehicle's frame.

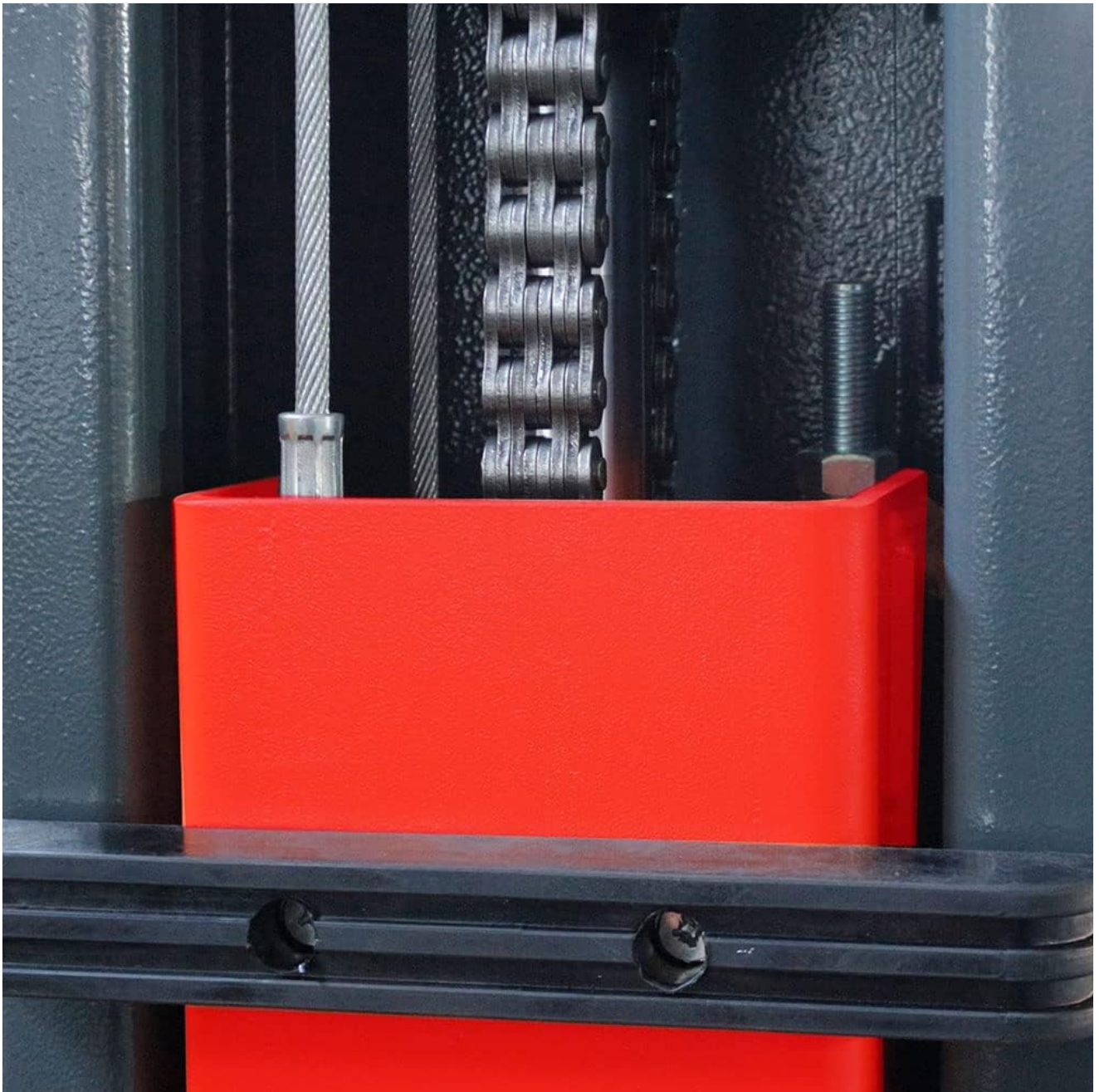


Figure 4: Internal view of the lift post, showing the chain and multi-strand cable system responsible for synchronized lifting.

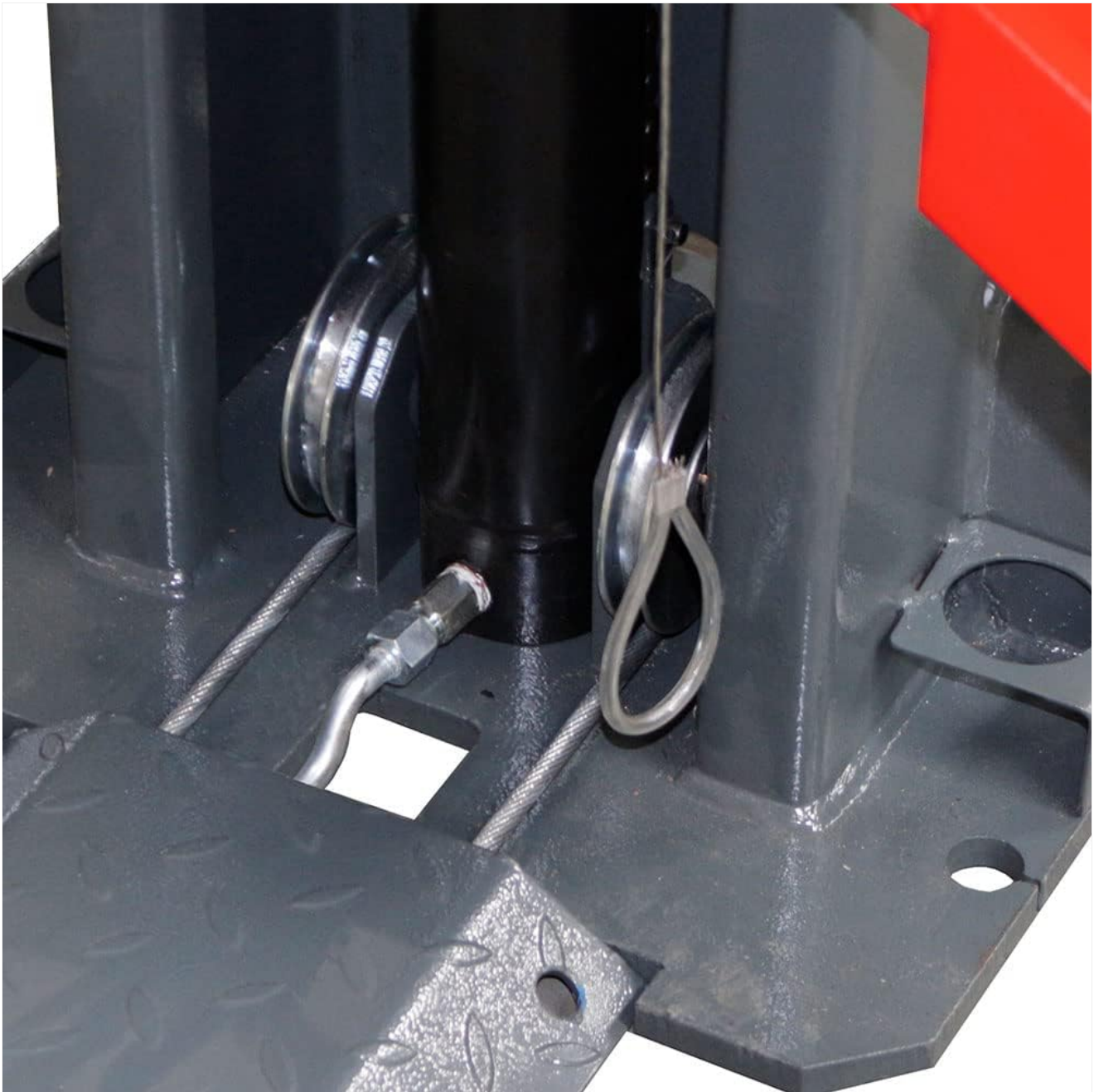


Figure 5: Detail of the hydraulic cylinder base and cable pulley, critical components for the lift's operation.

4. TECHNICAL SPECIFICATIONS

Specification	Value
Brand	AGT INDUSTRIAL
Model Number	B1000
Load Capacity	10,000 lbs (4536 kg)
Maximum Lifting Height	72 inches (183 cm)
Maximum Working Width	100 inches (254 cm)
Minimum Height	4.5 inches (11.4 cm)
Motor	3 HP, 220V (TL Certified)

Specification	Value
No Load Speed	3360 RPM
Maximum Working Pressure	2600 PSI
Hydraulic Fluid Tank Capacity	11 Liters
Arm Configuration	Two 2-stage arms, Two 3-stage arms
Lift Style	Floor Plate, Symmetric Arms
Material (Pads)	Rubber
Shipping Dimensions (Box A)	110" x 22" x 30", 1190 lbs
Shipping Dimensions (Box B)	31.5" x 10" x 14", 63 lbs

5. INSTALLATION AND SETUP

Proper installation is critical for the safe and effective operation of your auto lift. It is highly recommended that installation be performed by certified professionals.

5.1 Site Requirements

- **Foundation:** A level concrete floor, minimum 4 inches thick, with a compressive strength of at least 3000 PSI. Consult a structural engineer if unsure.
- **Clearance:** Ensure adequate overhead clearance for maximum lift height and vehicle height. Also, allow sufficient space around the lift for vehicle entry/exit and safe operation.
- **Power Supply:** A dedicated 220V electrical circuit with appropriate amperage for the 3 HP motor.

5.2 Assembly Steps (General)

1. Unpack all components and verify against the packing list.
2. Position the two main columns according to the provided layout diagram, ensuring proper spacing and alignment.
3. Anchor the columns securely to the concrete floor using the specified anchor bolts.
4. Install the hydraulic power unit, ensuring all hydraulic lines are correctly connected and free of leaks.
5. Route and connect the equalization cables and chains between the columns and carriages.
6. Install the lifting arms and ensure they move freely.
7. Fill the hydraulic reservoir with the recommended hydraulic fluid.
8. Bleed the hydraulic system to remove any air.
9. Perform initial test lifts without a vehicle to check for proper operation and synchronization.

6. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your AGT INDUSTRIAL auto lift.

1. **Prepare the Vehicle:** Ensure the vehicle is clean and free of loose debris. Check for any obstructions around the lift area.
2. **Position the Vehicle:** Drive the vehicle onto the lift, centering it between the columns. Ensure there is adequate clearance for the arms to swing.
3. **Position the Arms:** Swing the lift arms into position under the vehicle's designated lifting points. Use the screw-up pads and truck adapters as needed to ensure solid contact. Verify all four pads are securely seated.

- 4. **Raise the Vehicle (Initial):** Press the "UP" button on the power unit to slowly raise the vehicle a few inches off the ground. Stop and re-check the arm and pad placement. Ensure the vehicle is stable and balanced.
- 5. **Raise to Working Height:** Continue to raise the vehicle to the desired working height. As the lift rises, the safety locks will engage automatically at various intervals.
- 6. **Engage Safety Locks:** Once at the desired height, slightly lower the lift until it rests firmly on the mechanical safety locks. This is crucial for safety.
- 7. **Lowering the Vehicle:**
 - a. Slightly raise the lift to disengage the safety locks.
 - b. Pull the safety lock release handles (if applicable) to fully disengage the locks.
 - c. Press the "DOWN" button or activate the lowering lever to slowly lower the vehicle.
 - d. Once the vehicle is fully on the ground, swing the arms clear and drive the vehicle off the lift.

7. MAINTENANCE SCHEDULE

Regular maintenance is essential to ensure the longevity and safe operation of your auto lift.

- **Daily/Before Each Use:**
 - Inspect all cables, chains, and pulleys for wear, fraying, or damage.
 - Check hydraulic hoses and fittings for leaks.
 - Verify safety locks engage and disengage properly.
 - Ensure lifting pads are in good condition.
- **Monthly:**
 - Lubricate all moving parts, including cables, chains, and arm pivots, with appropriate grease or oil.
 - Check hydraulic fluid level and top off if necessary.
 - Inspect anchor bolts for tightness.
 - Clean the lift columns and components.
- **Annually:**
 - Replace hydraulic fluid.
 - Inspect all electrical connections.
 - Have a qualified technician perform a thorough inspection and load test.

8. TROUBLESHOOTING GUIDE

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

Problem	Possible Cause	Solution
Lift does not raise.	No power, low hydraulic fluid, motor issue, clogged filter.	Check power supply, fill hydraulic fluid, inspect motor connections, clean filter.
Lift lowers slowly or unevenly.	Air in hydraulic system, hydraulic leak, worn cylinder seals, cable/chain imbalance.	Bleed air from system, check for leaks, inspect seals, adjust cables/chains.
Safety locks not engaging.	Obstruction, damaged lock mechanism, cable/chain tension issue.	Clear obstruction, inspect and repair lock, adjust cable/chain tension.

Problem	Possible Cause	Solution
Excessive noise during operation.	Lack of lubrication, worn bearings, loose components.	Lubricate all moving parts, inspect and replace worn bearings, tighten loose bolts.




9. WARRANTY AND CUSTOMER SUPPORT

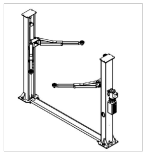


AGT INDUSTRIAL stands behind the quality of its products. For specific warranty details, please refer to the warranty card included with your purchase or visit the official AGT INDUSTRIAL website.
For technical assistance, parts inquiries, or customer support, please contact AGT INDUSTRIAL directly.

Manufacturer: AGT
Brand: AGT INDUSTRIAL
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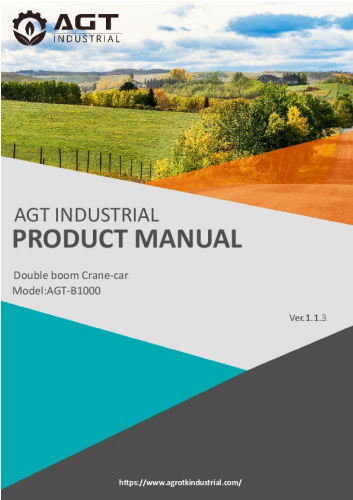
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Related Documents - B1000

	<p>AGT-B1000 Two-Post Auto Lift Product Manual</p> <p>This manual provides detailed installation, operation, and maintenance instructions for the AGT-B1000 Two-Post Auto Lift, a piece of advanced car maintenance equipment designed for automotive repair and maintenance.</p>
	<p>AGT-B1000 Two-Post Auto Lift Product Manual</p> <p>Comprehensive product manual for the AGT-B1000 Two-Post Auto Lift, covering installation, operation, maintenance, safety, and troubleshooting.</p>
	<p>AGT-PD680-PZ Skid Steer Post Driver Attachment Product Manual</p> <p>Comprehensive product manual for the AGT-PD680-PZ Skid Steer Post Driver Attachment, covering safety precautions, specifications, operation, maintenance, troubleshooting, and parts lists.</p>

 <p>Two post hydraulic lift KT-H105 Two post lift</p>	<p>KT-H105 Two Post Hydraulic Lift: Operating Manual and Installation Guide</p> <p>Comprehensive operating manual and installation guide for the KT-H105 Two Post Hydraulic Lift. Covers safety, specifications, operation, maintenance, and troubleshooting for automotive workshops.</p>
 <p>OPERATING, MAINTENANCE & PARTS MANUAL ELECTRIC CHAIN HOIST CM COFFING S.D. SERIES BUDGET S.D. SERIES LITTE S.D. SERIES</p>	<p>CM Shopstar Electric Chain Hoist: Operating, Maintenance & Parts Manual</p> <p>Comprehensive operating, maintenance, and parts manual for the CM Shopstar Electric Chain Hoist. Includes safety precautions, installation, operation, troubleshooting, and detailed parts lists for industrial material handling.</p>
 <p>Narrow Aisle Flexi ACe Control Panel Service Guide</p>	<p>Flexi ACe Narrow Aisle Control Panel Service Guide</p> <p>Comprehensive service guide for the Flexi ACe Narrow Aisle Articulating Fork Lift Truck's ACE3 Traction, ACE2 Pump, and AC0 Steer inverter control panel. Covers specifications, diagrams, troubleshooting, and maintenance.</p>

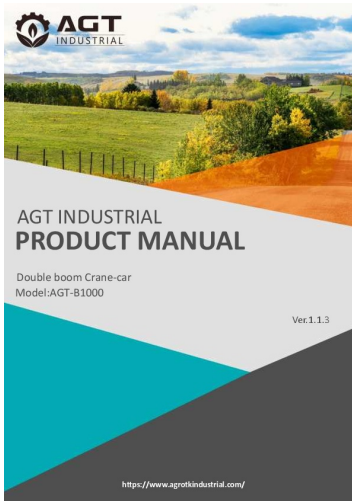
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