Operating Instructions & Parts Manual

Model ATD7325
Capacity 2 Ton

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

ADVERTENCIA
• Leer, comprender, y seguir las instrucciones antes de utilizar el aparato.
• El manual de instrucciones y la información de seguridad deben estar comunicado en lengua del operador antes del uso.
• No seguir estas indicaciones puede causar daños personales o materiales.

WARNING
To avoid crushing and related injuries:
NEVER work on, under or around a load supported only by a hydraulic jack. ALWAYS use adequately rated jack stands.

ATD Tools Inc.
160 Enterprise Drive, Wentzville MO 63385

U.S. Patent No's. 6,199,379 • 5,946,912
SAFETY and GENERAL INFORMATION

Save these instructions. For your safety, read, understand, and follow the information provided with and on this jack before using. The owner and/or operator of this equipment shall have an understanding of this jack and safe operating procedures before attempting to use. The owner and/or operator shall be aware that the use and repair of this product may require special skills and knowledge. Instructions and safety information shall be conveyed in the operator’s native language before use of this jack is authorized. If any doubt exists as to the safe and proper use of this jack, remove from service immediately.

Inspect before each use. Do not use if broken, bent, cracked, or damaged parts (including labels) are noted. Any jack that appears damaged in any way, operates abnormally or is missing parts, shall be removed from service immediately and the manufacturer notified. If you suspect that the jack was subjected to a shock load (a load dropped suddenly, unexpectedly upon it), immediately discontinue use until jack has been checked by a factory authorized service center (contact distributor or manufacturer for list of Authorized Service Centers). It is recommended that an annual inspection be done by qualified personnel. Labels and owner’s manuals are available from manufacturer.

PRODUCT DESCRIPTION

ATD MagicLift™ Low Profile Garage Jack is designed to lift, but not support, one end of a vehicle. The jack must be used in conjunction with a pair of appropriately rated jack stands. MagicLift™ Service Jack has a unique feature, which provides fast, no load lifts to the jacking point, at which time it lifts in approximately 0.75~2” increments.

NEVER use a hydraulic jack as a stand-alone device. After lifting, immediately support the lifted vehicle with a pair of appropriately rated jack stands.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Jack Size (L x W x H)</th>
<th>Min. Height</th>
<th>Max. Height</th>
<th>Saddle Dia.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATD7325</td>
<td>2 Ton</td>
<td>42-1/2” x 13-3/4” x 6-3/4”</td>
<td>2-1/2”</td>
<td>20”</td>
<td>4-7/8”</td>
</tr>
</tbody>
</table>
PREPARATION

**Assembly**
Insert handle into the handle sleeve. Tighten the bolt on handle sleeve to prevent accidental removal of handle while in use.

**Before Use**
1. Verify that the product and application are compatible, if in doubt call ATD Tools Tech. Service (636) 327-9050.
2. Before using this product, read the operator’s manual completely and familiarize yourself thoroughly with the product, its components and recognize the hazards associated with its use.
3. To familiarize yourself with basic operation of this jack, locate and turn the release valve (handle):
   a. **Clockwise** until firm resistance is felt to further turning. This is the ‘CLOSED’ release valve position used to raise the load.
   b. **Counter-clockwise**, but no more than 1/2 full turn from the closed position. This is the ‘OPEN’ release valve position used to lower the load.
4. Check to ensure that jack rolls freely. Raise and lower the unloaded saddle throughout the lifting range before putting into service to ensure the pump operates smoothly.
5. Replace worn or damaged parts and assemblies with ATD authorized replacement parts only. Lubricate as instructed in Maintenance Section.

Figure 1 - ATD7325 Nomenclature
OPERATION

Lifting

Only attachments and/or adapters supplied by the manufacturer shall be used. Lift only on area of the vehicle as specified by the vehicle manufacturer.

1. Follow the vehicle manufacturer’s recommended guidelines for lifting. Engage the emergency brake and chock each unlifted wheel in both directions to prevent inadvertent vehicle movement.
2. Close the release valve by turning the handle clockwise until firm resistance is felt.
3. Refer to the vehicle manufacturer owner’s manual to locate approved lifting points on the vehicle. Center jack saddle under lift point.
4. Verify lift point, then pump handle to contact lift point. To lift, pump handle until load reaches desired height.
5. Transfer the load immediately to appropriately rated jack stands.

NEVER use hydraulic jack as a stand alone device! ALWAYS transfer the lifted load IMMEDIATELY to a pair of appropriately rated jack stands. Use one pair of jack stands per vehicle. Rated capacity is per pair only! Do not exceed rated capacity.

Lowering

Be sure all tools and personnel are clear before lowering load. Slowly open the release valve! The more you turn the handle counter-clockwise, the faster the load will come down. Maintain control of the rate of speed at which the load lowers at all times!

1. Raise load high enough to clear the jack stands.
2. Remove jack stands carefully (always used in pairs).
3. Slowly turn the handle counter-clockwise, but no more than 1/2 full turn. If the load fails to lower:
   a. Use another jack to raise the vehicle high enough to reinstall jack stands.
   b. Remove the malfunctioning jack and then the jack stands.
   c. Use the functioning jack to lower the vehicle.
4. After removing jack from under the load, fully lower the saddle to reduce ram exposure to rust and contamination.
MAINTENANCE

Important: Use only good grade hydraulic jack oil. Avoid mixing different types of fluid and Never use brake fluid, turbine oil, transmission fluid, motor oil or glycerin. Improper fluid can cause failure of the jack and the potential for sudden and immediate loss of load. We recommend Mobil DTE 13M or equivalent.

Adding oil
1. With saddle fully lowered set jack in its upright, level position. Locate and remove vent screw.
2. Fill with oil until ~3/16" above the inner cylinder as seen from the oil filler hole. If the oil level is too low, the jack will not raise to its advertised maximum height. Reinstall the vent screw.

Changing oil
For best performance, replace the complete fluid supply at least once per year.
1. With saddle fully lowered, remove the vent screw and drain the fluid into a suitable container.
2. Fill with oil until ~3/16" above the inner cylinder as seen from the oil filler hole. Reinstall vent screw.

Note: Dispose of hydraulic fluid in accordance with local regulations.

Lubrication
A periodic coating of light lubricating oil to pivot points, axles and hinges will help to prevent rust and assure that wheels, casters and pump assemblies move freely.

Cleaning
Periodically check the pump piston and ram for signs of rust/corrosion. Clean as needed and wipe with oily cloth.

Note: Never use sandpaper or abrasive material on these surfaces!

Storage
When not in use, store the jack with saddle fully lowered. This will help prevent rust and corrosion to those critical surfaces.

TROUBLESHOOTING

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Possible Causes</th>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jack will not lift load</td>
<td>• Release valve not tightly closed</td>
<td>• Ensure release valve tightly closed</td>
</tr>
<tr>
<td></td>
<td>• Load is too heavy</td>
<td>• Consider higher capacity jack</td>
</tr>
<tr>
<td>Jack will lift, but not maintain pressure</td>
<td>• Release valve not tightly closed</td>
<td>• Ensure release valve tightly closed</td>
</tr>
<tr>
<td></td>
<td>• Hydraulic unit malfunction</td>
<td>• Discontinue use, contact ATD Technical Service</td>
</tr>
<tr>
<td>Jack will not lower after unloading</td>
<td>• Reservoir overfilled</td>
<td>• Drain fluid to proper level</td>
</tr>
<tr>
<td></td>
<td>• Linkages binding</td>
<td>• Clean and lubricate moving parts</td>
</tr>
<tr>
<td>Poor lift performance</td>
<td>• Fluid level low</td>
<td>• Ensure proper fluid level</td>
</tr>
<tr>
<td></td>
<td>• Hydraulic unit malfunction</td>
<td>• Discontinue use, contact ATD Technical Service</td>
</tr>
<tr>
<td>Will not lift to full extension</td>
<td>• Fluid level low</td>
<td>• Ensure proper fluid level</td>
</tr>
</tbody>
</table>
REPLACEMENT PARTS

Not all components of the jack are replacement items, but are illustrated as a convenient reference of location and position in the assembly sequence. When ordering parts, give Model number, part number and description below. Call or write for current pricing: ATD Tools Inc. 160 Enterprise Drive, Wentzville, MO 63385. Tel:(636)327-9050 Fax:(636)327-9044

Replacement Parts Illustration for ATD7325

Figure 2 - Replacement Parts Illustration for ATD7325
Replacement Parts List for ATD7325

<table>
<thead>
<tr>
<th>Item#</th>
<th>Part#</th>
<th>Description</th>
<th>Qty</th>
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<tbody>
<tr>
<td>1</td>
<td>G86301-0001</td>
<td>Saddle Pad</td>
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<tr>
<td>2</td>
<td>G86301-0017</td>
<td>Saddle</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>G86308-0001</td>
<td>Hydraulic Unit</td>
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<tr>
<td>4</td>
<td>G86301-0004</td>
<td>Front Wheel Assembly</td>
<td>2</td>
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<tr>
<td>5</td>
<td>G86301-0003</td>
<td>Rear Caster Assembly</td>
<td>2</td>
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<tr>
<td>6</td>
<td>G86301-0008</td>
<td>Handle Grip</td>
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<tr>
<td>7</td>
<td>G86301-0019</td>
<td>Handle Assembly</td>
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<td>8</td>
<td>G86308-0003</td>
<td>Handle Sleeve</td>
<td>1</td>
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<td>9</td>
<td>G48900-0024</td>
<td>Bolt, M10x16</td>
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<td>10</td>
<td>G86308-0004</td>
<td>U-joint</td>
<td>1</td>
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<td>11</td>
<td>G86301-0014</td>
<td>Vent Screw</td>
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<td>12</td>
<td>G86301-0012</td>
<td>Return Spring, Lift Arm</td>
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<td>13</td>
<td>G86308-0005</td>
<td>Cover</td>
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<td>14</td>
<td>G86301-0023</td>
<td>Nut, M16</td>
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<td>15</td>
<td>G86301-0024</td>
<td>Spring Washer, D16</td>
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<td>16</td>
<td>G88009-0016</td>
<td>Bolt, M12</td>
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<td>Nut, M12</td>
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<td>18R</td>
<td>G59509-0016</td>
<td>Bolt, Handle Sleeve, RH side</td>
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<td>Bolt, Handle Sleeve, LH side</td>
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<td>G59305-0006</td>
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<td>20</td>
<td>G73500-0011</td>
<td>Pin D12</td>
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<td>23</td>
<td>G69400-0004</td>
<td>Spring Pin</td>
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<td>24</td>
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<td>Cap, Pump Piston</td>
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<tr>
<td>25</td>
<td>G73500-0010</td>
<td>Return Spring, Handle</td>
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<tr>
<td>**</td>
<td>G86308-0000</td>
<td>Seal Kit (includes a thru r)</td>
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<tr>
<td>-</td>
<td>ATD7325-M2</td>
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**Repair Kit Contents:**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Qty</th>
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<tbody>
<tr>
<td>a</td>
<td>O-ring</td>
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<tr>
<td>b</td>
<td>O-ring</td>
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</tr>
<tr>
<td>c</td>
<td>Back-up Washer</td>
<td>1</td>
</tr>
<tr>
<td>d</td>
<td>U-cup</td>
<td>1</td>
</tr>
<tr>
<td>e</td>
<td>Back-up Washer</td>
<td>1</td>
</tr>
<tr>
<td>f</td>
<td>O-ring</td>
<td>1</td>
</tr>
<tr>
<td>g</td>
<td>O-ring</td>
<td>2</td>
</tr>
<tr>
<td>h</td>
<td>Washer, Metal</td>
<td>2</td>
</tr>
<tr>
<td>i</td>
<td>Oil Seal</td>
<td>1</td>
</tr>
<tr>
<td>j</td>
<td>Back-up Washer</td>
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<tr>
<td>k</td>
<td>O-ring 13x2.4</td>
<td>1</td>
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<tr>
<td>l</td>
<td>O-ring 8x1.8</td>
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<tr>
<td>m</td>
<td>O-ring</td>
<td>1</td>
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<tr>
<td>n</td>
<td>Back-up Washer</td>
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<tr>
<td>o</td>
<td>O-ring 17x2.65</td>
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<td>p</td>
<td>Back-up Washer</td>
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</tr>
<tr>
<td>q</td>
<td>Back-up Washer</td>
<td>1</td>
</tr>
<tr>
<td>r</td>
<td>Oil Seal</td>
<td>1</td>
</tr>
</tbody>
</table>

(**) Replacement requires special skills, knowledge, and equipment. Only an authorized service center may perform the repair and/or replacement of these items. Contact ATD technical service for list of service centers.
ONE YEAR LIMITED WARRANTY

For a period of one (1) year from date of purchase, ATD Tools Inc. will repair or replace, at its option, without charge, any of its products which fails due to a defect in material or workmanship under normal usage. This limited warranty is a consumer's exclusive remedy.

Performance of any obligation under this warranty may be obtained by returning the warranted product, freight prepaid, to ATD Tools Inc. Warranty Service Department, 160 Enterprise Drive, Wentzville, MO 63385.

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