Read this manual and follow all the Safety Rules and Operating Instructions before using this product.

Fast Lift
Hydraulic Service Jack

Operating Instructions & Parts Manual

Model Number
ATD-7314

Capacity
3.5 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.

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

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.

U.S. Patent No's. 5,946,912 • 6,199,379

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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 operator of this equipment shall have an understanding of this jack and safe operating procedures before attempting to use it. The owner and operator shall be aware that 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 are noted. Any jack that appears damaged in any way, or operates abnormally shall be removed from service immediately. If the jack has been or suspected to have been 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 Operator's Manuals are available from the manufacturer.

PRODUCT DESCRIPTION

Hydraulic Service Jack is designed to lift, but not support, one end of a vehicle. Immediately after lifting, loads must be supported by a pair of appropriately rated jack stands. This Fast Lift service jack has a unique feature that provides fast, no load lifts to the jacking point, at which time it lifts in approximately 1/4”~3/4” increments.

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

PREPARATION

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

Before Use
1. Verify that the product and application are compatible, if in doubt call Technical Service (888) 332-6419.
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, 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 saddle.
   b. Counter-clockwise, but no more than 1/2 turn from the closed position. This is the ‘OPEN’ release valve position used to lower the saddle.
4. With saddle fully lowered, remove the oil filler plug. Pump 6 to 8 full strokes. This will help release any pressurized air which may be trapped within the reservoir. Check oil level. Proper oil level will vary from just covering the ram cylinder to 3/16” above it as seen from the oil filler hole. Reinstall oil filler plug.
5. 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. Replace worn or damaged parts and assemblies with authorized replacement parts only.
**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>ATD-7314</td>
<td>3-1/2 Ton</td>
<td>28-1/2&quot; x 13-1/2&quot; x 6-5/8&quot;</td>
<td>5-1/8&quot;</td>
<td>21-1/2&quot;</td>
<td>4-3/8&quot;</td>
</tr>
</tbody>
</table>

**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, 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.
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 vehicle, fully lower the saddle to reduce ram exposure to rust and contamination.

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**Figure 1 - Typical Jack Nomenclature**
MAINTENANCE

NOTE: 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 premature 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. Remove oil filler plug.
2. Fill with oil until ~3/16" above the inner cylinder as seen from the oil filler hole. Reinstall oil filler plug.

Changing oil
For best performance and longest life, replace the complete fluid supply at least once per year.
1. With saddle fully lowered, remove oil filler plug.
2. Lay the jack on its side and drain the fluid into a suitable container.
   
   Note. Dispose of hydraulic fluid in accordance with local regulations.

3. Fill with oil until ~3/16" above the inner cylinder as seen from the oil filler hole. Reinstall oil filler plug.

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 or corrosion. Clean as needed and wipe with an oily cloth.

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

Storage
When not in use, store the jack with saddle fully lowered.
## 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 Banner 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></td>
<td>• Fluid level low</td>
<td>• Ensure proper fluid level</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 Banner 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
(refer to page 6)

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 part number and description. Call your distributor for current pricing.
**Replacement requires special skills, knowledge, and equipment. Only authorized service center may perform the repair and/or replacement of these items.**

### Replacement Parts for Model ATD-7314:

<table>
<thead>
<tr>
<th>Item</th>
<th>Part No.</th>
<th>Description</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>B6350-1</td>
<td>SADDLE PAD</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>B6350-2</td>
<td>SADDLE HOLDING BLOCK</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>B6350-3</td>
<td>SADDLE</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>B6350-4</td>
<td>RETURN SPRING</td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>B6350-5</td>
<td>HANDLE SLEEVE ASSEMBLY</td>
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<tr>
<td>6</td>
<td>B6350-6</td>
<td>HANDLE LOCK FASTENER</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>B6350-7</td>
<td>HYDRAULIC UNIT</td>
<td>1</td>
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<tr>
<td>8</td>
<td>B6350-8</td>
<td>RELEASE VALVE ASSEMBLY</td>
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<tr>
<td>9</td>
<td>B6350-9</td>
<td>AIR VENT SCREW</td>
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<td>10</td>
<td>B6350-10</td>
<td>FRONT WHEEL ASSEMBLY</td>
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<tr>
<td>11</td>
<td>B6350-11</td>
<td>REAR CASTER</td>
<td>2</td>
</tr>
<tr>
<td>12</td>
<td>B6350-12</td>
<td>HANDLE ASSEMBLY</td>
<td>1</td>
</tr>
<tr>
<td>-</td>
<td>B6350-13</td>
<td>REPAIR KIT HYDRAULIC</td>
<td>-</td>
</tr>
</tbody>
</table>

*Figure 2 - Replacement Parts Illustration for Model ATD-7314*
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 contacting your distributor or point of sale for further instructions. Please retain your proof of purchase, as it will be needed for any claim.

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Notes: