Aluminum Jack
Operating Instructions & Parts Manual

Model          Capacity
BH6022          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.

SFA Companies
10939 N. Pomona Ave. Kansas City, MO 64153
sales@blackhawk-automotive.com

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

Blackhawk Aluminum 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. This Jack has a unique feature, which provides fast, no load lifts to the jacking point.

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>
<th>Volume of Hyd. Oil</th>
</tr>
</thead>
<tbody>
<tr>
<td>BH6022</td>
<td>2 Ton</td>
<td>27 3/4&quot; x 12 1/4&quot; x 6 1/4&quot;</td>
<td>3 3/4&quot;</td>
<td>18 1/2&quot;</td>
<td>4 7/8&quot;</td>
<td>150 mL</td>
</tr>
</tbody>
</table>
PREPARATION

Assembly
Insert the handle into handle sleeve. Tighten the handle lock fastener 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 Blackhawk tech. service (816) 891-6390.
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 shipping screw. 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 with vent screw provided in a separate plastic bag comes with the package.
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 Blackhawk authorized replacement parts only.

Figure 1 - Model BH6022 Nomenclature
**WARNING**

- Study, understand, and follow all printed materials provided with/on this product before use.
- Do not exceed rated capacity.
- Use only on hard, level surface.
- **This is a lifting device only!**
- Immediately after lifting, support the load with a pair of appropriately rated jack stands.
- Lift only on areas of the vehicle as specified by the vehicle manufacturer.
- Do not move or dolly the vehicle while on the jack.
- No alterations shall be made to this product.
- Failure to heed these markings may result in personal injury and/or property damage.

**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.

**Lowering**

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.

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:
   - Use another jack to raise the vehicle high enough to reinstall jack stands.
   - Remove the malfunctioning jack and then the jack stands.
   - 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.
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 Hein-Werner HW93291 hydraulic oil 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>
</table>
| Jack will not lift load | • Release valve not tightly closed  
• Load is too heavy | • Ensure release valve tightly closed  
• Consider higher capacity jack |
| Jack will lift, but not maintain pressure | • Release valve not tightly closed  
• Hydraulic unit malfunction | • Ensure release valve tightly closed  
• Discontinue use, contact Blackhawk technical service |
| Jack will not lower after unloading | • Reservoir overfilled  
• Linkages binding  
• Fluid level low | • Drain fluid to proper level  
• Clean and lubricate moving parts  
• Ensure proper fluid level |
| Poor lift performance | • Fluid level low  
• Hydraulic unit malfunction | • Ensure proper fluid level  
• Discontinue use, contact Blackhawk technical service |
| Will not lift to full extension | • Fluid level low | • Ensure proper fluid level |
REPLACEMENT PARTS (refer to page 6 & 7)
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, serial number and parts description. Call or write for current pricing: SFA Companies, 10939 N. Pomona Ave. Kansas City, MO 64153, USA. Tel: (816) 891-6390  Fax: (816) 891-6599  E-Mail: sales@blackhawk-automotive.com.

Replacement Parts Illustration for model BH6022

Figure 2 - Replacement Parts Illustration for Model BH6022
<table>
<thead>
<tr>
<th>Item</th>
<th>Part No.</th>
<th>Description</th>
<th>Qty</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>G88007-0005</td>
<td>Saddle Pad</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>G620-10010-0390</td>
<td>Saddle Holding Block</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>G620-10001-0000</td>
<td>Saddle</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>G62000-1003</td>
<td>Return Spring</td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>G62000-0004</td>
<td>Handle Sleeve Assy.</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>G62000-0015</td>
<td>Handle Lock Fastener</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>G62000-0008</td>
<td>Hydraulic Unit</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>G62000-0018</td>
<td>Release Valve Assembly</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>G62S-03300-200</td>
<td>Vent Screw</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>G62001-0008</td>
<td>Shipping Screw</td>
<td>1</td>
</tr>
<tr>
<td>10</td>
<td>G62001-0003</td>
<td>Front Roller Assy.</td>
<td>1</td>
</tr>
<tr>
<td>11</td>
<td>G62000-0013</td>
<td>Rear Caster</td>
<td>2</td>
</tr>
<tr>
<td>12</td>
<td>G62000-0002</td>
<td>Handle Assembly</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>G62000-0000</td>
<td>Repair Kit, Hydraulic Unit</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(includes soft seals &amp; vent screw)</td>
<td></td>
</tr>
</tbody>
</table>
ONE YEAR LIMITED WARRANTY

For a period of one (1) year from date of purchase, SFA Companies 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 SFA Companies Warranty Service Department, 10939 N. Pomona Ave., Kansas City, MO 64153.

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