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> Strongway 22-Ton Quick Lift Air/Hydraulic Service Floor Jack Instruction Manual

Strongway 3076844

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Model: 3076844

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Strongway 22-Ton Quick Lift Air/Hydraulic Service Floor Jack. Please read and understand all instructions and safety warnings before using this product. Proper use and maintenance will ensure long-lasting performance and user safety.

SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in serious injury or property damage.

- Always read and understand the entire manual before operating the jack.
- Never exceed the rated capacity of 22 tons (44,000 lbs).
- Use the jack only on a hard, level surface.
- Always use appropriate jack stands to support the vehicle immediately after lifting. Never rely solely on the jack to support a load.
- Wear ANSI-approved safety goggles and heavy-duty work gloves during use.
- Ensure the load is centered on the saddle before lifting.
- Keep hands and feet clear of moving parts and the load during lifting and lowering.
- Do not modify the jack or use it for purposes other than its intended use.
- Maintain the jack in good working condition and inspect it before each use.

PRODUCT OVERVIEW

The Strongway 22-Ton Quick Lift Air/Hydraulic Service Floor Jack is designed for heavy-duty lifting applications, including farm vehicles, heavy machinery, and industrial equipment. Its robust construction and efficient air motor provide reliable performance.

- **High-Grade Steel Construction:** Built to exacting standards for quality and durability.

- **Durable Finish:** Lead-free paint finish applied after a thorough chemical wash to prevent rust and ensure longevity. The paint is also oil, grease, and dirt-resistant for easy cleanup.
- **Large Diameter Hydraulic Steel Cylinder:** Requires lower oil pressure to raise the load, reducing wear and extending service life.
- **Treated and Polished Piston-Ram:** Designed to resist skiving.



Figure 1: Full view of the Strongway 22-Ton Quick Lift Air/Hydraulic Service Floor Jack.

SETUP

1. **Unpacking:** Carefully remove the jack from its packaging. Inspect for any damage during shipping.
2. **Handle Assembly:** Insert the handle into the handle socket and secure it according to the instructions provided in the separate assembly guide (if applicable).
3. **Connect Air Supply:** Connect a suitable air hose (not included) to the air inlet on the jack. Ensure the air supply provides 100-120 PSI for optimal performance.
4. **Purge Air from System:** Before first use, or after adding hydraulic fluid, purge any air from the hydraulic system. To do this, open the release valve slightly and pump the handle several times while the jack is in the lowest position. Close the release valve.



Figure 2: The jack with its handle and air hose connection point.

OPERATING INSTRUCTIONS

1. **Prepare the Vehicle:** Park the vehicle on a hard, level surface. Engage the parking brake and block the wheels that are not being lifted.
2. **Position the Jack:** Roll the jack under the vehicle, ensuring the saddle is directly under the lifting point recommended by the vehicle manufacturer. The large 8-inch rear wheels and extra-long T-handle facilitate easy positioning.
3. **Lifting the Load:** Connect the air supply. Press the trigger push button on the handle to activate the air motor. The jack will quickly lift the load. Monitor the lifting process to ensure stability.
4. **Secure the Load:** Once the desired height is reached, immediately place appropriately rated jack stands under the vehicle's designated support points. Slowly lower the vehicle onto the jack stands using the release valve.
5. **Lowering the Load:** To lower the vehicle, ensure the area is clear. Slowly open the release valve to allow the jack to descend. The mechanical spring return automatically resets the ram to its minimum starting height.
6. **Using Extensions:** The jack includes various extensions to accommodate different lifting heights and vehicle types. Select the appropriate extension and place it securely on the saddle before lifting.

HIGH-GRADE STEEL CONSTRUCTION

DURABLE



Figure 3: The jack positioned under a vehicle's lifting point.



Figure 4: Close-up view of the jack's lifting pad, showing how extensions can be added for increased lift height.

Your browser does not support the video tag.

Video 1: This video demonstrates the operation of the Strongway Air/Hydraulic Quick Lift Service Jack, showing how it lifts heavy loads efficiently using its air motor and how the ram automatically resets.

MAINTENANCE

1. **Regular Inspection:** Before each use, inspect the jack for any signs of damage, leaks, or loose components. Do not use if damaged.
2. **Hydraulic Fluid Level:** Periodically check the hydraulic fluid level. To do this, ensure the jack is fully lowered and on a level surface. Remove the oil filler plug and add high-quality hydraulic jack oil if needed, ensuring not to overfill.
3. **Lubrication:** Lubricate all moving parts and pivot points with light machine oil as needed to ensure

smooth operation.

4. **Cleaning:** Keep the jack clean and free from dirt, grease, and debris. The oil, grease, and dirt-resistant paint finish allows for easy cleanup.
5. **Storage:** Store the jack in a clean, dry area with the ram fully retracted.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Jack will not lift load.	Low hydraulic fluid; Air in system; Release valve open; Insufficient air pressure.	Check fluid level and add if necessary; Purge air from system; Close release valve; Ensure air supply is 100-120 PSI.
Jack lifts slowly or erratically.	Low hydraulic fluid; Air in system; Worn seals.	Check fluid level; Purge air from system; Contact qualified service personnel for seal replacement.
Jack will not hold load.	Release valve not fully closed; Internal leak; Overload.	Ensure release valve is fully closed; Contact qualified service personnel; Do not exceed rated capacity.
Jack lowers too quickly.	Release valve opened too far; Internal leak.	Control release valve slowly; Contact qualified service personnel.

SPECIFICATIONS

Feature	Detail
Brand	Strongway
Model Number	3076844
Load Capacity	22 Tons (44,000 lbs)
Maximum Lifting Height	21.73 Inches
Material	High-grade Steel
Vehicle Service Type	Heavy vehicles, trucks, industrial machinery
Item Weight	101 Pounds
Color	Red
Air Pressure Required	100-120 PSI (typical for air/hydraulic jacks)

WARRANTY AND SUPPORT

This Strongway 22-Ton Quick Lift Air/Hydraulic Service Floor Jack comes with a **1-year Limited Warranty** from the manufacturer. For warranty claims, technical support, or to purchase replacement parts, please contact Strongway customer service or visit the official Strongway store.

For more information, you may visit the [Strongway Store on Amazon](#).

