

Strongway TZ83508F

Strongway 3.5-Ton Low-Profile Super-Duty Floor Jack User Manual

Model: TZ83508F

1. INTRODUCTION

This manual provides essential instructions for the safe operation, maintenance, and troubleshooting of your Strongway 3.5-Ton Low-Profile Super-Duty Floor Jack. Before using this product, please read and understand all instructions and safety warnings thoroughly. Failure to follow these instructions may result in property damage, personal injury, or death. Keep this manual for future reference.

Important Safety Information

- **Always use jack stands:** After lifting a vehicle, always support it with appropriately rated jack stands before performing any work. The floor jack is a lifting device only, not a vehicle support device.
- **Do not exceed rated capacity:** The maximum load capacity for this jack is 3.5 tons (7,000 lbs). Do not attempt to lift loads exceeding this limit.
- **Operate on a hard, level surface:** Ensure the jack is placed on a firm, level surface capable of supporting the load. Avoid soft or uneven ground.
- **Center the load:** Position the jack saddle directly under the vehicle's lifting point as specified by the vehicle manufacturer.
- **Keep clear of moving parts:** Ensure hands, feet, and other body parts are clear of the jack's moving components during operation.
- **Wear appropriate safety gear:** Always wear safety glasses and gloves when operating the jack.
- **Inspect before each use:** Check the jack for any damage, leaks, or loose parts before each use. Do not use if damaged.

2. PRODUCT OVERVIEW

The Strongway 3.5-Ton Low-Profile Super-Duty Floor Jack is designed for efficient and safe vehicle lifting. It features a dual-piston pump for rapid lifting and a low-profile design to accommodate vehicles with minimal ground

clearance. The jack is equipped with swivel casters and heavy-duty front wheels for easy maneuverability.

Key Features:

- Dual-piston pump for quick lifting action.
- Low-profile design for use with low-clearance vehicles.
- Built-in foot pedal for hands-free operation.
- Swivel casters with ball bearings and heavy-duty front wheels for easy movement.
- High-performance oil filter design for smooth operation.

Components Diagram:



- | | |
|--|--|
| 1 3.4in. removable rubber saddle | 5 Built-in foot pedal for easy, hands-free |
| 2 Heavy-duty steel construction | 6 Low-profile design fits under a wide range of vehicles |
| 3 Double-pump design reaches max. height in under 5 pumps | 7 Swivel casters with ball bearings and heavy-duty front wheels |
| 4 2-pc. quick-disconnect handle with foam padding | |

Figure 2.1: Labeled diagram of the Strongway 3.5-Ton Low-Profile Super-Duty Floor Jack. Key components include (1) 3.4-inch removable rubber saddle, (2) Heavy-duty steel construction, (3) Double-pump design, (4) 2-piece quick-disconnect handle with foam padding, (5) Built-in foot pedal, (6) Low-profile design, and (7) Swivel casters with ball bearings and heavy-duty front wheels.



Figure 2.2: Front view of the Strongway 3.5-Ton Low-Profile Super-Duty Floor Jack, showcasing its robust construction and low-profile design.

LOW-PROFILE DESIGN

EASILY FITS UNDER
A WIDE RANGE OF
VEHICLES



Figure 2.3: Side view illustrating the low-profile design of the jack, allowing it to fit under vehicles with minimal ground clearance.



HEAVY-DUTY FRONT WHEELS

ROLL EASILY OVER
ROUGH SURFACES

Figure 2.4: Detail of the heavy-duty front wheels, designed to roll smoothly over various garage and shop surfaces.



**HANDS-FREE
OPERATION**

**BUILT-IN
FOOT PEDAL**

Figure 2.5: The jack featuring its built-in foot pedal, which enables hands-free operation for convenience.

3. SETUP

Unpacking and Handle Assembly

1. Carefully remove the floor jack and its components from the packaging.
2. Locate the two-piece handle.
3. Insert the lower handle section into the handle socket on the jack. Ensure it is fully seated.
4. Align the upper handle section with the lower section and push them together until they securely connect. The quick-disconnect design ensures a firm fit.



Figure 3.1: The Strongway 3.5-Ton Floor Jack shown with its two-piece handle disassembled, ready for assembly.

Purging Air from the Hydraulic System

Before initial use, it is recommended to purge any air that may be trapped in the hydraulic system during shipping or storage. This ensures optimal performance.

1. Turn the release valve counter-clockwise one full turn to open it.
2. Pump the handle 10-15 full strokes to force air out of the system.
3. Turn the release valve clockwise until it is firmly closed.
4. The jack should now be ready for operation. If the jack does not lift properly, repeat the purging process.

4. OPERATING INSTRUCTIONS

Lifting a Vehicle

1. **Prepare the vehicle:** Park the vehicle on a hard, level surface. Engage the parking brake and place the transmission in 'Park' (automatic) or the lowest gear (manual). Block the wheels that are not being lifted.
2. **Position the jack:** Roll the floor jack under the vehicle, positioning the saddle directly under the manufacturer's recommended lifting point. Refer to your vehicle's owner's manual for specific lifting points.
3. **Close the release valve:** Turn the handle clockwise until the release valve is firmly closed.
4. **Lift the vehicle:** Pump the handle up and down to raise the vehicle to the desired height. The dual-piston pump allows for quick lifting. Alternatively, use the built-in foot pedal for hands-free lifting.
5. **Secure with jack stands:** Once the vehicle is at the desired height, immediately place appropriately rated jack stands under the vehicle's frame or designated support points. Slowly lower the vehicle onto the jack stands by gently turning the release valve counter-clockwise. Ensure the vehicle is stable on the jack stands before proceeding with any work.



Figure 4.1: An individual demonstrating the use of the Strongway 3.5-Ton Floor Jack to lift a vehicle, highlighting the double pump

Lowering a Vehicle

1. **Raise slightly:** If the vehicle is on jack stands, slightly raise the vehicle with the floor jack to remove the load from the jack stands.
2. **Remove jack stands:** Carefully remove the jack stands from under the vehicle.
3. **Lower the vehicle:** Slowly turn the release valve counter-clockwise to gradually lower the vehicle. Do not open the valve too quickly, as this can cause the vehicle to drop rapidly.
4. **Remove the jack:** Once the vehicle is fully lowered and resting on its wheels, remove the floor jack.

5. MAINTENANCE

General Maintenance

- **Lubrication:** Periodically lubricate all moving parts with light machine oil.
- **Cleaning:** Keep the jack clean and free of dirt, grease, and debris. Wipe down the piston and ram after each use.
- **Fluid level:** Check the hydraulic fluid level every three months or as needed. To check, lower the jack completely, remove the oil filler plug, and ensure the fluid is level with the bottom of the filler hole. Use only high-quality hydraulic jack oil. Do not use brake fluid or motor oil.
- **Storage:** Store the jack in a clean, dry place with the ram fully retracted.

Inspection

Before each use, inspect the jack for:

- Cracked or damaged welds.
- Leaking hydraulic fluid.
- Bent, loose, or damaged components.
- Damaged or worn rubber saddle pad.

If any damage is found, do not use the jack. Contact Strongway customer support for assistance or replacement parts.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Jack will not lift load.	Release valve open; Low hydraulic fluid; Air in system; Overload.	Close release valve; Check and add fluid; Purge air from system (see Setup); Do not exceed rated capacity.
Jack lifts slowly or erratically.	Low hydraulic fluid; Air in system; Contaminated fluid.	Check and add fluid; Purge air from system; Replace hydraulic fluid.
Jack leaks fluid.	Loose fittings; Damaged seals.	Tighten fittings; Contact Strongway for seal replacement or service.

Problem	Possible Cause	Solution
Jack will not lower.	Release valve stuck or obstructed.	Ensure release valve is fully open; Check for obstructions.

7. SPECIFICATIONS



Feature	Specification
Model Number	TZ83508F
Load Capacity	3.5 Tons (7,000 lbs)
Brand	Strongway
Item Weight	108.2 Pounds
Automotive Fit Type	Vehicle Specific Fit
UPC	840321754226
Manufacturer Part Number	115161
First Available	March 16, 2024




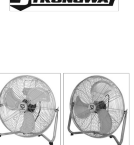

8. WARRANTY AND SUPPORT

For warranty information, technical support, or to inquire about replacement parts, please contact Strongway customer service. Keep your purchase receipt and model number (TZ83508F) available when contacting support.

Extended protection plans may be available for purchase. Please refer to your retailer for details on available plans.

Related Documents - TZ83508F

<div><p>STRONGWAY 2.5-TON HYDRAULIC ALUMINUM/STEEL RACE JACK OWNER'S MANUAL</p></div> <div><p>WARNING: Read and understand all safety and operating instructions before using this product. Failure to follow instructions may result in injury or death. Model 46229</p></div>	<p>Strongway 2.5-Ton Hydraulic Aluminum/Steel Race Jack Owner's Manual</p> <p>Comprehensive owner's manual for the Strongway 2.5-Ton Hydraulic Aluminum/Steel Race Jack (Item# 46229), covering safety guidelines, operating instructions, assembly, maintenance, troubleshooting, and parts lists.</p>
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<div><p>STRONGWAY 2.5 TON TROLLEY JACK WITH 360° HANDLE OWNER'S MANUAL</p><p><small>WARNING: Read and understand all assembly and operation instructions before operating. Failure to follow the assembly and operation instructions could result in injury or death.</small></p><p>Item #52115</p></div>	<p>Strongway 2.5 Ton Trolley Jack Owner's Manual</p> <p>Owner's manual for the Strongway 2.5 Ton Trolley Jack with 360° Handle. Includes safety instructions, technical specifications, assembly, operation, maintenance, troubleshooting, and warranty information.</p>
<div><p>STRONGWAY 4400-Lb. Capacity Pallet Jack OWNER'S MANUAL</p><p><small>WARNING: Read and understand all assembly and operation instructions before operating. Failure to follow the assembly and operation instructions could result in injury or death.</small></p><p>Item #52115</p></div>	<p>Strongway 4400-Lb. Capacity Pallet Jack Owner's Manual</p> <p>This manual provides assembly, operation, maintenance, and troubleshooting instructions for the Strongway 4400-Lb. Capacity Pallet Jack. It includes safety warnings, parts diagrams, and warranty information.</p>
<div><p>STRONGWAY 1400-Lb. Capacity Jumbo Wagon Owner's Manual</p><p><small>WARNING: Read and understand all assembly and operation instructions before operating. Failure to follow the assembly and operation instructions could result in injury or death.</small></p><p>Item #46438</p></div>	<p>Strongway 1400-Lb. Capacity Jumbo Wagon Owner's Manual and Assembly Guide</p> <p>Comprehensive owner's manual and assembly guide for the Strongway 1400-Lb. Capacity Jumbo Wagon (Item #46438), detailing intended use, safety regulations, assembly steps, maintenance, and warranty information.</p>
<div><p>STRONGWAY</p><p><small>WARNING: Read and understand all assembly and operation instructions before operating. Failure to follow the assembly and operation instructions could result in injury or death.</small></p><p>Item #52678</p></div>	<p>Strongway High-Velocity Floor Fan Owner's Manual</p> <p>Owner's manual for the Strongway High-Velocity Floor Fan, providing essential safety instructions, operating procedures, maintenance guidelines, technical specifications, parts list, and warranty information for models 52678 and 52679.</p>
<div><p>STRONGWAY 24\" 2-in-1 Foldable Pedestal Fan Owner's Manual</p><p><small>WARNING: Read and understand all assembly and operation instructions before operating. Failure to follow the assembly and operation instructions could result in injury or death.</small></p><p>Item #79030</p></div>	<p>Strongway 24\" 2-in-1 Foldable Pedestal Fan Owner's Manual</p> <p>Comprehensive owner's manual for the Strongway 24-inch 2-in-1 Foldable Pedestal Fan (Item #79030), covering intended use, safety instructions, assembly, operation, maintenance, troubleshooting, and warranty information.</p>