BIG RED T83505

BIG RED T83505 Torin Pro Series Hydraulic Low Profile Floor Jack User Manual

Model: T83505

1. Safety Information

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.
Always read and understand all instructions and warnings before using this hydraulic floor jack. Failure to follow these instructions may result in property damage, personal injury, or death. This jack is designed for lifting purposes only. Always use appropriate jack stands to support the vehicle after lifting. Never work under a vehicle supported only by a jack.

- Ensure the jack is on a hard, level surface capable of supporting the load.
- Center the load on the saddle.
- Do not exceed the rated capacity of 3.5 tons (7,000 lb).
- Wear appropriate safety gear, including eye protection.
- Keep hands and feet clear of moving parts.
- Do not modify the jack.
- Store the jack in a dry, safe place.

2. Product Overview

The BIG RED T83505 Torin Pro Series Hydraulic Low Profile Floor Jack is a robust tool designed for general or heavy-duty lifting applications. It features a 3.5-ton (7,000 lb) capacity and a low-profile design, allowing access under a wide range of vehicles, from low-clearance cars to trucks and SUVs. The dual pump system provides rapid lifting, making your work more efficient. Constructed from high-strength steel with a powder-coated finish, this jack is built for durability and rust resistance. Maneuverability is enhanced by two large steel casters and two 360-degree swivel casters. Safety is paramount, with a built-in overload system and a wide stance for stability.



Figure 2.1: Front view of the BIG RED T83505 Hydraulic Floor Jack, showcasing its low-profile design and red finish.



Figure 2.2: Rear view of the BIG RED T83505 Floor Jack, highlighting the handle and rear swivel casters.

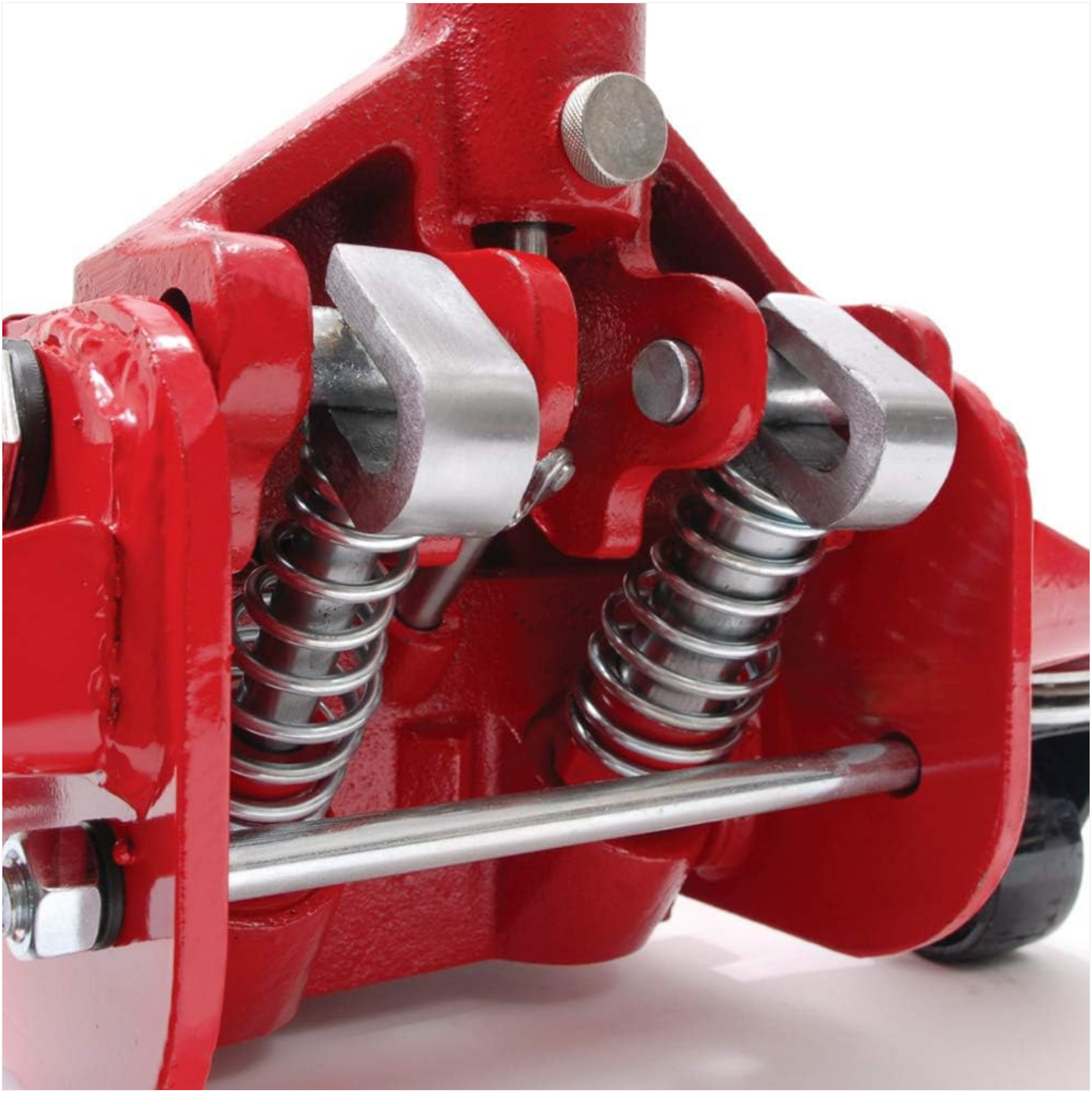


Figure 2.3: Side profile of the BIG RED T83505 Floor Jack, demonstrating its low-profile clearance.



Figure 2.4: Close-up view of the dual pump mechanism, which enables faster lifting.



Figure 2.5: Detail of the rear 360-degree swivel casters, providing enhanced maneuverability.

3. Setup

3.1 Unpacking and Assembly

Carefully remove the floor jack from its packaging. Inspect for any shipping damage. Attach the handle to the jack according to the instructions provided in the box. Ensure all bolts are securely tightened.

3.2 Purging Air from the Hydraulic System

Before first use, or if the jack has been stored for an extended period, it is essential to purge any air that may be trapped in the hydraulic system. This ensures proper operation and extends the life of the jack.

1. Turn the release valve counter-clockwise to fully open it.
2. Pump the handle rapidly for 10-15 full strokes.
3. Turn the release valve clockwise to close it.
4. Test the jack by lifting it to its full height and then lowering it. Repeat if necessary until the jack operates smoothly.

4. Operating Instructions

4.1 Lifting a Vehicle

1. Park the vehicle on a hard, level surface. Engage the parking brake and block the wheels that will remain on the ground.
2. Locate the vehicle's manufacturer-recommended lifting points. Refer to your vehicle's owner's manual.
3. Position the jack so the saddle is directly under the lifting point. Ensure the jack is stable and the load is centered on the saddle.
4. Close the release valve by turning it clockwise until it is tight.
5. Pump the handle to raise the vehicle to the desired height.
6. Once the vehicle is lifted, immediately place appropriately rated jack stands under the vehicle's designated support points.
7. Slowly open the release valve to lower the vehicle onto the jack stands. Ensure the vehicle is securely resting on the stands before proceeding with any work.



Figure 4.1: The floor jack positioned under the front of a vehicle, ready for lifting. Note the use of jack stands for safety.



Figure 4.2: The floor jack lifting a vehicle from the side, demonstrating its low-profile access. Jack stands are in place for support.

4.2 Lowering a Vehicle

1. Ensure the area around the vehicle is clear.
2. Slightly raise the vehicle off the jack stands using the floor jack.
3. Carefully remove the jack stands.
4. Slowly turn the release valve counter-clockwise to gradually lower the vehicle to the ground. Do not open the valve too quickly, as this can cause the vehicle to drop rapidly.
5. Once the vehicle is fully lowered, remove the floor jack.

5. Maintenance

Regular maintenance is crucial for the longevity and safe operation of your hydraulic floor jack.

- **Lubrication:** Periodically lubricate all moving parts, including the pivot points and casters, with a light machine oil. Check and grease the zerk fittings if present.

- **Hydraulic Fluid:** Check the hydraulic fluid level regularly. If low, add high-quality hydraulic jack oil. Do not use brake fluid or motor oil.
- **Cleaning:** Keep the jack clean and free of dirt, grease, and debris.
- **Inspection:** Before each use, inspect the jack for any signs of damage, leaks, or wear. Pay close attention to the hydraulic cylinder, hoses, and welds. Do not use the jack if any damage is found.
- **Storage:** Store the jack in a dry, clean environment with the ram fully retracted to prevent rust and extend seal life.

6. Troubleshooting

Problem	Possible Cause	Solution
Jack will not lift or lifts slowly.	Air in hydraulic system; Low hydraulic fluid; Release valve open.	Purge air (Section 3.2); Add hydraulic fluid; Close release valve fully.
Jack leaks hydraulic fluid.	Damaged seals; Loose fittings.	Contact qualified service personnel for seal replacement; Tighten fittings.
Jack lowers under load.	Overload; Internal valve issue; Air in system.	Do not exceed capacity; Contact service; Purge air (Section 3.2).
Handle does not pump smoothly.	Lack of lubrication; Air in system.	Lubricate moving parts; Purge air (Section 3.2).

7. Specifications

Feature	Detail
Model Number	T83505
Brand	BIG RED
Capacity	3.5 Tons (7,000 lb)
Lift Range	3.25 inches to 22 inches
Pump Type	Dual Piston Quick Lift
Material	High-Strength Steel
Finish	Powder-Coated (Red)
Casters	(2) Large Steel, (2) 360-degree Swivel
Safety Features	Built-in Safety Overload System, Wide Stance
Standards Met	ASME Safety Standards
Product Dimensions (L x W x H)	33.07 x 16.14 x 8.07 inches
Item Weight	10 pounds

8. Warranty and Support

The BIG RED T83505 Torin Pro Series Hydraulic Low Profile Floor Jack comes with a limited 1-year manufacturer warranty. This warranty covers defects in materials and workmanship under normal use. For warranty claims, technical support, or replacement

parts, please contact Torin customer service. Keep your purchase receipt as proof of purchase.
Note: The warranty does not cover damage caused by misuse, abuse, unauthorized modifications, or failure to perform recommended maintenance.

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