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BIG RED T83012

BIG RED T83012 Torin Pro Series Hydraulic Floor Jack User Manual

Model: T83012 | Brand: BIG RED

1. Safety Information

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.

- Always use jack stands to support the vehicle after lifting. Never rely solely on the hydraulic jack for support.
- Do not exceed the rated capacity of 3.5 tons (7,000 lbs).
- Use the jack only on a hard, level surface.
- Ensure the vehicle is in park (automatic) or in gear (manual) with the parking brake engaged. Block the wheels that are not being lifted.
- Center the load on the saddle. Off-center loads can cause the jack to tip.
- Keep hands and feet clear of moving parts.
- Do not make any modifications to the jack.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

2. Product Overview

The BIG RED T83012 Torin Pro Series Hydraulic Floor Jack is a robust lifting tool designed for automotive maintenance and repair. It features a wide stance for stability and an automatic safety valve to prevent overloading. The quick lift design and two-piece handle enhance usability and storage convenience.

Key Features:

- **Quick Lift Design:** Allows for rapid raising of the jack to the vehicle's frame.

- **Wide Stance:** Provides enhanced stability under load.
- **Automatic Safety Valve:** Prevents operation beyond the rated capacity.
- **Steel Casters:** Ensures longevity and smooth maneuverability.
- **Two-Piece Handle:** Facilitates easy transportation and compact storage.



Overall view of the BIG RED T83012 Torin Pro Series Hydraulic Floor Jack.



The integrated foot pedal allows for quick lifting of the jack to the vehicle's frame, freeing up hands for other tasks.



Key features highlighted: Quick Lift mechanism for rapid elevation, large casters for easy maneuverability, and a durable steel jack pad.

3. Package Contents

Verify that all components are present before assembly and operation:

- 1 x 3.5 Ton Quick Lift Jack
- 1 x Two-piece Handle

4. Setup

4.1 Initial Assembly

1. Insert the lower handle section into the handle socket on the jack.
2. Secure the lower handle section with the provided fastener (if applicable).
3. Insert the upper handle section into the lower handle section, ensuring it clicks into place or is secured.

4.2 Bleeding the Hydraulic System

Air can become trapped in the hydraulic system during shipping or storage, affecting performance. Bleed the system before first use:

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 to close it.
4. Test the jack by lifting it to its full height and then lowering it. Repeat if necessary.

5. Operating Instructions

5.1 Lifting a Vehicle

1. Position the jack on a hard, level surface directly under the vehicle's designated lifting point. Consult your vehicle's owner's manual for proper lifting points.
2. Ensure the release valve is fully closed by turning the handle clockwise.
3. Pump the handle up and down to raise the saddle until it makes contact with the vehicle's lifting point.
4. Alternatively, use the foot pedal to quickly raise the saddle to the lifting point.
5. Continue pumping the handle to lift the vehicle to the desired height.
6. Immediately place appropriately rated jack stands under the vehicle's frame or axle at the designated support points.
7. Slowly open the release valve to lower the vehicle onto the jack stands. Once the vehicle is securely resting on the jack stands, remove the floor jack.



Demonstration of using the foot pedal to quickly raise the jack.



The floor jack positioned under a vehicle, ready for lifting operations.

5.2 Lowering a Vehicle

1. If the vehicle is on jack stands, raise it slightly with the floor jack to remove the jack stands.
2. Ensure the area around and under the vehicle is clear of personnel and obstructions.
3. Slowly turn the release valve counter-clockwise to gradually lower the vehicle. Control the lowering speed by adjusting how much you open the valve.
4. Once the vehicle is fully lowered, remove the jack.

5.3 Product Video

Your browser does not support the video tag.

This video demonstrates the operation of the Torin hydraulic garage jack, including its quick lift feature.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your hydraulic floor jack.

- **Hydraulic Fluid:** Check the hydraulic fluid level periodically. If low, add high-quality hydraulic jack oil. Do not use brake fluid or motor oil.
- **Lubrication:** Lubricate all moving parts, including pivot points and casters, with light machine oil every three months or as needed.
- **Cleaning:** Keep the jack clean and free of dirt, grease, and debris. Wipe down surfaces with a clean cloth.
- **Storage:** Store the jack in a dry, protected area with the ram fully retracted to prevent corrosion and extend seal life.
- **Inspection:** Before each use, inspect the jack for any signs of damage, leaks, or loose parts. Do not use if damaged.

7. Troubleshooting

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
Jack will not lift or lifts slowly.	Low hydraulic fluid; Air in system; Release valve open.	Check fluid level and refill; Bleed the hydraulic system (Section 4.2); Ensure release valve is fully closed.
Jack lowers under load.	Release valve not fully closed; Internal seal leak; Overload.	Ensure release valve is fully closed; Contact customer support for repair; Do not exceed rated capacity.
Jack does not lower.	Release valve stuck; Obstruction.	Gently tap the release valve handle; Check for obstructions around the mechanism.
Oil leakage.	Damaged seals; Loose fittings.	Contact customer support for repair or replacement of seals; Tighten fittings if accessible and safe.

8. Specifications

Specification	Value
Load Capacity	3.5 ton (7,000 lb)
Lifting Range	5-11/16" to 19-11/16"
Product Dimensions (L x W x H)	28.54 x 13.78 x 8.27 inches
Item Weight	30 pounds
Model Number	T83012
Color	Red

Specification	Value
Manufacturer	Torin

9. Warranty and Support

BIG RED products are manufactured to high-quality standards. For warranty information, technical support, or replacement parts, please contact the manufacturer directly. Keep your purchase receipt as proof of purchase.

For additional support and product information, you may visit the official BIG RED store: BIG RED Store on Amazon.

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