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› [BIG RED T83012R Torin Pro Series Hydraulic Floor Jack with Single Quick Lift Piston Pump and Foot Pedal, 3.5 Ton \(7,000 lb\) Capacity, Red](#)

BIG RED T83012R

BIG RED T83012R Torin Pro Series Hydraulic Floor Jack Instruction Manual

Model: T83012R | Brand: BIG RED

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your BIG RED T83012R Torin Pro Series Hydraulic Floor Jack. Please read this manual thoroughly before use and retain it for future reference. This hydraulic floor jack is designed for lifting, not for supporting, vehicles. Always use appropriate jack stands to support the vehicle after lifting.

The BIG RED T83012R is a 3.5-ton (7,000 lb) capacity hydraulic floor jack featuring a single quick lift piston pump and a foot pedal for efficient operation. It is engineered with a wide stance for enhanced stability under load and includes an automatic safety valve to prevent overloading. Durable steel casters ensure longevity and ease of movement. The two-piece handle facilitates convenient transportation and storage.

Key Features:

- Two-piece handle for easy transportation and storage.
- Wide stance provides stability under load.
- Automatic safety valve prevents jacks from overload.
- Steel casters for longevity.
- Quick lift design.



Figure 1: The BIG RED T83012R Torin Pro Series Hydraulic Floor Jack, showcasing its robust red frame and black handle.

SAFETY INFORMATION

WARNING: Failure to heed these warnings may result in personal injury and/or property damage.

- **Read and understand all instructions and warnings** in this manual before using this product.
- **Do not exceed rated capacity.** The jack's capacity is 3.5 tons (7,000 lbs).
- **Use only on a hard, level surface.** Avoid using on asphalt or soft ground, which may not support the load.
- **This is a lifting device only.** Immediately after lifting, support the vehicle with appropriate jack stands. Do not work under a vehicle supported only by a jack.
- **Center the load on the saddle.** Off-center loads can cause the jack to tip.
- **Do not move the vehicle while it is on the jack.**
- **Wear ANSI-approved safety goggles** and heavy-duty work gloves during use.
- **Keep hands and feet clear** of the jack's moving parts and the vehicle's wheels.
- **Ensure the vehicle's parking brake is engaged** and wheels are chocked before lifting.
- **Do not modify the jack.** Any modifications can compromise safety and void the warranty.

- **Inspect the jack before each use.** Do not use if any parts are damaged, bent, or cracked.
- **California Proposition 65 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.

COMPONENTS

Familiarize yourself with the main components of your hydraulic floor jack:

- **Lifting Arm:** The primary moving component that raises and lowers the saddle.
- **Saddle:** The circular pad at the top of the lifting arm, designed to contact the vehicle's lifting point.
- **Handle Socket:** Where the two-piece handle is inserted.
- **Release Valve:** Controls the lowering of the jack. Turning it counter-clockwise lowers the jack.
- **Piston Pump:** The hydraulic mechanism that generates lifting force.
- **Foot Pedal:** Allows for quick lifting of the saddle to the vehicle's lifting point without pumping the main handle.
- **Frame:** The main body of the jack, providing structural support.
- **Casters (Wheels):** Steel wheels for easy maneuverability. Two swivel casters at the rear and two fixed casters at the front.



Figure 2: Side view of the jack, highlighting the lifting arm, saddle, and handle socket.



Figure 3: Detail of the release handle mechanism, used for controlled lowering.



Figure 4: Close-up view of one of the durable steel caster wheels, designed for smooth movement.

SETUP

Before first use, perform the following steps:

1. **Unpacking:** Carefully remove the jack and all components from the packaging. Inspect for any shipping damage.
2. **Handle Assembly:** Insert the two-piece handle into the handle socket. Ensure it is fully seated and secured.
3. **Bleeding the Hydraulic System (Initial Setup):**
 - With the jack in the fully lowered position, locate the release valve.
 - Turn the release valve counter-clockwise one full turn to open it.
 - Pump the handle vigorously 10-15 times to purge any air from the hydraulic system.
 - Turn the release valve clockwise to close it.
 - Test the jack by lifting and lowering it a few times to ensure smooth operation.

OPERATING INSTRUCTIONS

Always follow safety guidelines before and during operation.

1. Preparation:

- Park the vehicle on a hard, level surface.
- Engage the vehicle's parking brake.
- Place chocks on the wheels that will remain on the ground.
- Consult your vehicle's owner's manual for recommended lifting points.

2. Positioning the Jack:

- Ensure the release valve is fully closed by turning it clockwise.
- Roll the jack under the vehicle, aligning the saddle directly under the designated lifting point.
- Use the foot pedal to quickly raise the saddle until it makes contact with the vehicle's lifting point.



Figure 5: The hydraulic floor jack correctly positioned under a vehicle's lifting point.



Figure 6: Demonstrating the use of the foot pedal for quick saddle elevation.



Figure 7: A closer look at the foot pedal, designed for rapid initial lifting.

3. Lifting the Vehicle:

- Pump the handle up and down to raise the vehicle to the desired height.
- Lift only high enough to place jack stands.

4. Securing the Vehicle:

- Once the vehicle is lifted, immediately place appropriately rated jack stands under the vehicle's designated support points.
- Slowly open the release valve by turning it counter-clockwise, allowing the vehicle to rest securely on the jack stands.
- Remove the hydraulic jack.

5. Lowering the Vehicle:

- Ensure the area around the vehicle is clear.
- Reposition the jack under the lifting point.
- Slightly raise the vehicle off the jack stands.

- Remove the jack stands.
- Slowly turn the release valve counter-clockwise to lower the vehicle to the ground in a controlled manner.
- Once fully lowered, remove the jack.

MAINTENANCE

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

- **Lubrication:** Periodically lubricate all moving parts, including the pivot points, casters, and handle mechanism, with light machine oil.
- **Hydraulic Fluid:** Check the hydraulic fluid level every 6 months. To check, fully lower the jack, 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.
- **Cleaning:** Keep the jack clean and free of dirt, grease, and debris. Wipe down the piston rod to prevent contaminants from entering the hydraulic system.
- **Storage:** Store the jack in a clean, dry place 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 wear. Pay close attention to welds, casters, and the hydraulic cylinder. If any damage is found, do not use the jack and have it repaired by a qualified technician.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Jack will not lift load.	<ul style="list-style-type: none"> • Release valve open. • Low hydraulic fluid. • Air in hydraulic system. • Overload. 	<ul style="list-style-type: none"> • Close release valve fully. • Add hydraulic fluid. • Bleed air from system (see Setup section). • Reduce load to within rated capacity.
Jack lifts slowly or erratically.	<ul style="list-style-type: none"> • Low hydraulic fluid. • Air in hydraulic system. • Contaminated fluid. 	<ul style="list-style-type: none"> • Add hydraulic fluid. • Bleed air from system. • Replace hydraulic fluid.
Jack leaks fluid.	<ul style="list-style-type: none"> • Loose fittings. • Damaged seals. 	<ul style="list-style-type: none"> • Tighten fittings. • Contact qualified technician for seal replacement.
Jack will not lower.	<ul style="list-style-type: none"> • Release valve stuck or clogged. • Mechanical binding. 	<ul style="list-style-type: none"> • Check and clear release valve. • Inspect for obstructions; if persistent, seek professional repair.

SPECIFICATIONS

Attribute	Detail
Model Number	T83012R
Brand	BIG RED

Attribute	Detail
Load Capacity	3.5 Ton (7,000 lbs)
Lifting Range	5-11/16" to 19-11/16"
Item Dimensions (L x W x H)	29 x 15 x 7.75 inches
Item Weight	84.4 pounds
Color	Red
Style	Floor Jack
Manufacturer	Torin
UPC	810104644310

WHAT'S IN THE BOX

Upon opening the packaging, you should find the following components:

- BIG RED T83012R Hydraulic Floor Jack
- Two-piece Handle

WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please contact BIG RED customer service. Retain your purchase receipt as proof of purchase may be required for warranty claims.

For the most up-to-date contact information, please visit the official BIG RED website or refer to the contact details provided with your product packaging.

