

BIG RED ATZ830026XR

BIG RED ATZ830026XR Torin Hydraulic Ultra Low Profile 3 Ton Floor Jack Instruction Manual

Model: ATZ830026XR

1. INTRODUCTION AND OVERVIEW

This manual provides essential instructions for the safe and effective use of the BIG RED ATZ830026XR Torin Hydraulic Ultra Low Profile Floor Jack. This jack is designed for general or specialty use, featuring a 3 ton (6,000 lb) load capacity and a lift range of 3-1/8 inches to 20 inches, allowing access under low-profile vehicles. It is constructed from durable, heavy-duty steel and incorporates a dual piston quick lift pump for efficient operation.

Key features include:

- **3 Ton (6,000 lb) Load Capacity:** Suitable for a wide range of vehicles.
- **Ultra Low Profile Design:** Minimum height of 3-1/8 inches for low-clearance vehicles.
- **Dual Piston Quick Lift Pump:** Enables rapid lifting to the desired height.
- **Durable Steel Construction:** Ensures longevity and reliability.
- **Safety Overload System:** Prevents operation beyond the rated load capacity.
- **Maneuverability:** Equipped with two large steel casters and two 360-degree swivel casters.
- **Vehicle Protection:** Foam bumper on the handle helps prevent damage to the vehicle.

2. 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 prioritize safety when operating this floor jack. Failure to follow these instructions may result in serious injury or property damage.

- **Read the Entire Manual:** Understand all warnings, cautions, assembly, inspection, maintenance, and operating procedures before use.
- **Use on Hard, Level Surface:** Always operate the jack on a hard, level surface capable of supporting the load.

- **Never Exceed Rated Capacity:** Do not attempt to lift loads heavier than 3 tons (6,000 lb).
- **Use Jack Stands:** This product is a lifting tool only. **NEVER** work on or under a vehicle unless it is properly supported by appropriate jack stands.
- **Center the Load:** Ensure the load is centered on the saddle of the jack before lifting.
- **Keep Clear:** Keep hands, feet, and other body parts clear of moving parts and the area under the lifted load.
- **Inspect Before Each Use:** Check for any damage, leaks, or loose components. Do not use if damaged.
- **Lower Slowly:** Always lower the load slowly and in a controlled manner.
- **Wear Safety Gear:** Always wear appropriate personal protective equipment, such as safety glasses and gloves.

3. PRODUCT COMPONENTS

Familiarize yourself with the main components of your BIG RED ATZ830026XR floor jack.



Figure 3.1: Overall view of the BIG RED ATZ830026XR Torin Hydraulic Ultra Low Profile 3 Ton Floor Jack.



Figure 3.2: Detail of the dual piston pump mechanism, designed for quick lifting.

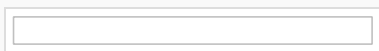


Figure 3.3: Close-up of the rubber saddle pad, which provides grip and protects the vehicle's undercarriage.



Figure 3.4: Detail of a 360-degree swivel caster, enabling easy positioning of the jack.

4. SETUP

Before first use, ensure the jack is properly assembled and prepared.

1. **Handle Assembly:** Connect the two handle pieces together. Insert the assembled handle into the

handle socket on the jack.

2. **Secure Handle:** Turn the handle clockwise to the end and tighten the socket screw to secure the handle firmly in place.
3. **Purge Air from Hydraulic System:** Before initial use, or if the jack has been stored for an extended period, it is recommended to purge any air from the hydraulic system. To do this, open the release valve by turning the handle counter-clockwise. Pump the handle rapidly several times. Close the release valve by turning the handle clockwise.



Figure 4.1: Visual guide for connecting the handle and preparing the jack for use.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your floor jack.

1. **Prepare the Vehicle:** Park the vehicle on a hard, level surface. Engage the parking brake and block the wheels that will remain on the ground.
2. **Position the Jack:** Locate the vehicle's designated lifting points (refer to your vehicle's owner's manual). Position the jack so that the saddle is directly under the lifting point. Ensure the jack is on a stable surface.
3. **Raise the Vehicle:** Close the release valve by turning the handle clockwise until it is firm. Pump the

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

4. **Secure with Jack Stands:** 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 the handle counter-clockwise to lower the vehicle onto the jack stands. Ensure the vehicle is stable on the jack stands before performing any work.
5. **Lower the Vehicle:** When work is complete, lift the vehicle slightly off the jack stands using the floor jack. Remove the jack stands. Slowly and carefully open the release valve by turning the handle counter-clockwise to lower the vehicle completely to the ground. Once fully lowered, remove the jack.

6. MAINTENANCE

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

- **Lubrication:** Periodically lubricate all moving parts with light machine oil.
- **Hydraulic Fluid:** Check the hydraulic fluid level regularly. If low, add high-quality hydraulic jack oil. Do not use brake fluid or other types of oil. To check/add fluid, ensure the jack is fully lowered and on a level surface. Remove the oil filler plug. The fluid level should be just below the filler hole.
- **Cleaning:** Keep the jack clean and free of dirt, grease, and corrosive materials.
- **Storage:** Store the jack in a dry, clean area with the ram fully retracted (jack fully lowered).
- **Inspection:** Regularly inspect for any signs of damage, wear, or leaks. Pay close attention to welds, casters, and the hydraulic cylinder.

7. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Jack will not lift load	Release valve open; Air in hydraulic system; Low hydraulic fluid; Overload	Close release valve; Purge air (see Setup); Add hydraulic fluid; Reduce load (do not exceed capacity)
Jack lifts slowly or erratically	Air in hydraulic system; Low hydraulic fluid; Worn seals	Purge air; Add hydraulic fluid; Contact manufacturer for service
Jack leaks hydraulic fluid	Loose fittings; Damaged seals; Cracked housing	Tighten fittings; Contact manufacturer for service/replacement
Jack will not lower	Release valve stuck/damaged; Obstruction	Check release valve operation; Inspect for obstructions; Contact manufacturer for service

8. SPECIFICATIONS

Specification	Value
Model Number	ATZ830026XR

Specification	Value
Load Capacity	3 tons (6,000 lb)
Minimum Lifting Height	3-1/8 inches
Maximum Lifting Height	20 inches
Product Dimensions (L x W x H)	30 x 15 x 8 inches
Item Weight	78 pounds
Color	Red
Material	Heavy Duty Steel
UPC	615268833262

9. WARRANTY AND SUPPORT

This BIG RED ATZ830026XR Torin Hydraulic Ultra Low Profile Floor Jack includes a limited 1-year manufacturer's warranty.

For warranty claims, technical support, or inquiries regarding parts and service, please contact BIG RED customer service directly. Refer to the packaging or the official BIG RED website for the most current contact information.