

GEC T830026

GEC T830026 Hydraulic 2.5 Ton Garage Jack User Manual

Model: T830026

1. INTRODUCTION

This manual provides essential instructions for the safe operation, setup, and maintenance of your GEC T830026 Hydraulic 2.5 Ton Professional Steel Garage Jack. Please read this manual thoroughly before using the product to ensure proper function and to prevent injury or damage. Keep this manual for future reference.

2. IMPORTANT SAFETY INFORMATION

Failure to follow these safety instructions may result in serious injury or property damage. Always prioritize safety when operating this equipment.

- **Read All Instructions:** Understand all warnings and operating procedures before use.
- **Capacity Limit:** The jack is designed for a maximum lifting capacity of **2.5 tons (2500 kg)**. Do not exceed this limit.
- **Stable Surface:** Always operate the jack on a flat, level, hard, and stable surface. Avoid uneven ground or soft surfaces.
- **Load Distribution:** Ensure the load is evenly distributed and centered on the jack's support surface before lifting.
- **Use Jack Stands:** The jack is a lifting device only. It is **not designed for long-term load maintenance**. Immediately after lifting, secure the vehicle with appropriate jack stands before performing any work underneath.
- **Never Work Under an Unsecured Load:** It is strictly forbidden to perform any type of work under a raised load without proper support stands.
- **Clear Area:** Keep hands, feet, and other body parts clear of moving parts and the load during lifting and lowering.
- **Inspect Before Use:** Before each use, inspect the jack for any signs of damage, leaks, or wear. Do not use if damaged.
- **Proper Storage:** Store the jack in a clean, dry place, out of reach of children.

3. PRODUCT FEATURES

The GEC T830026 Hydraulic Garage Jack is engineered for professional and reliable vehicle lifting. Key features include:

- **2.5 Ton Lifting Capacity:** Suitable for a wide range of passenger vehicles.
- **Low Profile Design:** Minimum pickup height of 75mm allows easy access under lowered vehicles.
- **High Lift Range:** Maximum lifting height of 515mm.
- **Durable Construction:** Features a robust steel frame for maximum durability and stability.
- **Cardan Transmission:** Enhanced wear resistance for extended service life.
- **Dual Plungers:** Provides efficient and rapid lifting.
- **Rear Swivel Casters:** Facilitates easy maneuvering and positioning of the jack.



Figure 3.1: Overview of the GEC T830026 Hydraulic Garage Jack.

This image displays the overall design of the GEC T830026 hydraulic garage jack, highlighting its low-profile chassis and robust construction, ideal for accessing various vehicle undercarriages.

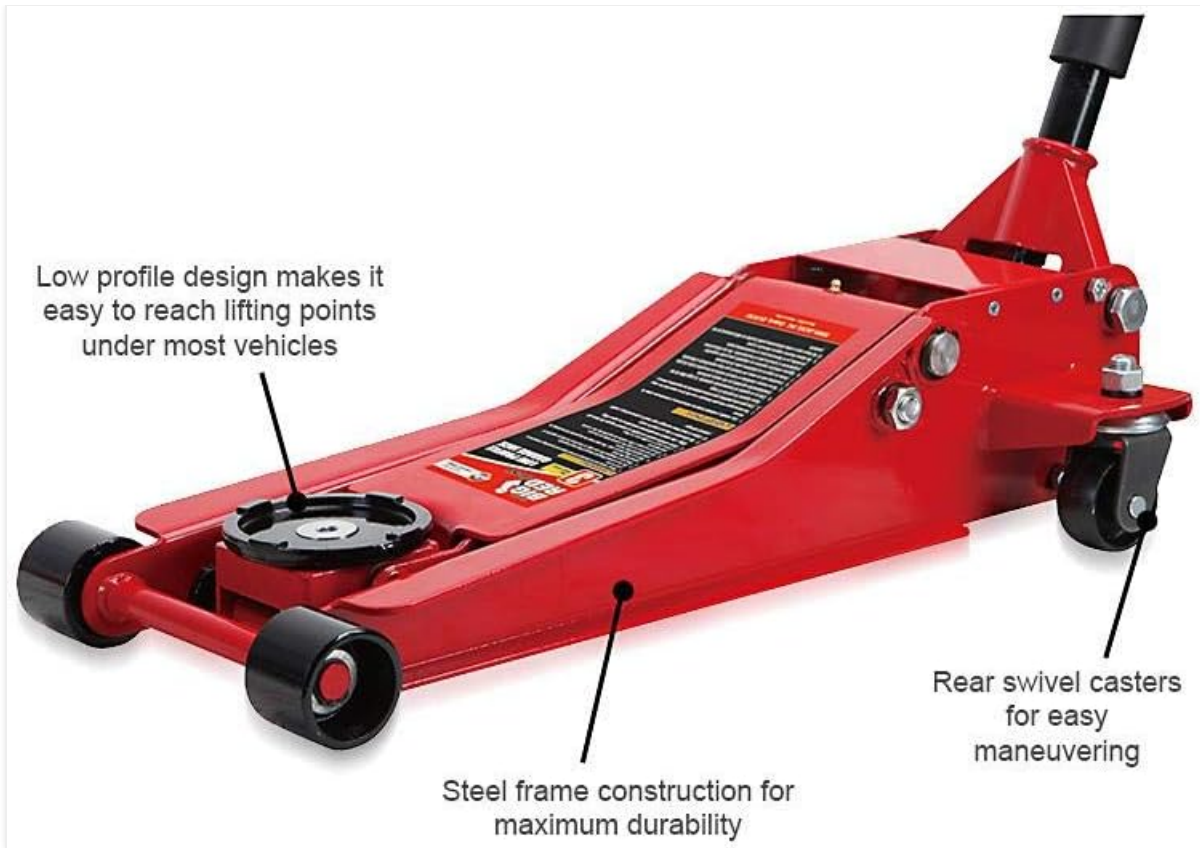


Figure 3.2: Key features of the GEC T830026 Garage Jack.

This image illustrates specific design elements of the jack, including its low-profile design for reaching lifting points under most vehicles, the durable steel frame construction, and the rear swivel casters for enhanced maneuverability.



Figure 3.3: The GEC T830026 Garage Jack fully extended.

This image shows the hydraulic jack in its fully extended position, demonstrating its maximum lift height and the stability provided by its design when supporting a load.

4. SPECIFICATIONS

Specification	Value
Model	T830026
Lifting Capacity	2.5 Ton (2500 kg)
Minimum Height	75 mm
Maximum Height	515 mm
Product Dimensions (L x W x H)	722 x 328 x 150 mm

Specification	Value
Item Weight	21.99 kg
Material	Alloy Steel
Color	Red

5. SETUP

Before initial use, ensure the jack is properly prepared.

- Unpacking:** Carefully remove the jack from its packaging. Inspect for any shipping damage.
- Handle Assembly:** Insert the handle into the handle socket and secure it according to the instructions provided with the jack (if applicable).
- Bleeding the Hydraulic System (if necessary):** Air can sometimes become trapped in the hydraulic system during shipping. To bleed the system:
 - Turn the release valve counter-clockwise to fully open it.
 - Pump the handle rapidly several times.
 - Close the release valve by turning it clockwise.
 - Test the jack by raising and lowering it a few times without a load.
- Check Hydraulic Fluid Level:** Ensure the hydraulic fluid level is adequate. Refer to the maintenance section for details on checking and refilling fluid.

6. OPERATING INSTRUCTIONS

Always follow safety guidelines when operating the jack.

6.1. Lifting a Vehicle

- Prepare the Vehicle:** Park the vehicle on a flat, level, and hard surface. Engage the parking brake and place the transmission in 'Park' (automatic) or a low gear (manual). Block the wheels that will remain on the ground.
- Position the Jack:** Locate the manufacturer-recommended lifting points on the vehicle's frame or chassis. Position the jack so its saddle is directly under the lifting point. Ensure the jack is on a stable surface.
- Close Release Valve:** Turn the release valve clockwise until it is firmly closed. Do not overtighten.
- Lift the Vehicle:** Pump the jack handle steadily to raise the vehicle. Observe the vehicle and jack throughout the lifting process to ensure stability.
- Insert Jack Stands:** Once the vehicle is at the desired height, immediately place appropriately rated jack stands under the vehicle's frame at manufacturer-recommended support points.
- Lower onto Jack Stands:** Slowly open the release valve counter-clockwise to lower the vehicle until it rests securely on the jack stands. The jack should bear no load once the vehicle is on stands.

6.2. Lowering a Vehicle

- Raise Slightly:** If the vehicle is on jack stands, pump the jack handle to lift the vehicle just enough to clear the jack stands.
- Remove Jack Stands:** Carefully remove the jack stands from under the vehicle.
- Lower Vehicle:** Slowly turn the release valve counter-clockwise to gradually lower the vehicle to the ground. Control

the descent speed.

4. **Remove Jack:** Once the vehicle is fully lowered, remove the jack from underneath.

7. MAINTENANCE

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

- **Cleaning:** Keep the jack clean and free of dirt, grease, and corrosive materials. Wipe down moving parts regularly.
- **Lubrication:** Periodically lubricate pivot points and casters with light machine oil.
- **Hydraulic Fluid Check:** With the jack fully lowered, remove the oil filler plug. The fluid level should be just below the filler hole. If low, add high-quality hydraulic jack oil. Do not use brake fluid or motor oil.
- **Storage:** Store the jack in a fully lowered position in a clean, dry area.
- **Inspection:** Regularly inspect for damaged components, leaks, or loose fasteners. Replace worn or damaged parts immediately.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Jack will not lift	Release valve open; Low hydraulic fluid; Air in system; Overload	Close release valve; Check/add fluid; Bleed system; Reduce load
Jack lifts slowly or erratically	Low hydraulic fluid; Air in system; Worn seals	Check/add fluid; Bleed system; Contact service for seal replacement
Jack leaks fluid	Loose fittings; Damaged seals	Tighten fittings; Contact service for seal replacement
Jack will not lower	Release valve stuck; Obstruction	Gently tap release valve; Check for obstructions

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your GEC T830026 Hydraulic 2.5 Ton Garage Jack, please refer to the documentation provided at the time of purchase or contact GEC customer service directly. Keep your purchase receipt as proof of purchase.