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- › [LARIN](#) /
- › [Larin 2.5 Ton High Lift Hydraulic SUV Jack SUV-5000A User Manual](#)

LARIN SUV-5000A

Larin 2.5 Ton High Lift Hydraulic SUV Jack SUV-5000A User Manual

Model: SUV-5000A

1. INTRODUCTION

This manual provides essential instructions for the safe and effective operation, maintenance, and troubleshooting of your Larin 2.5 Ton High Lift Hydraulic SUV Jack (Model SUV-5000A). Please read and understand all instructions and safety warnings before using this product. Failure to do so may result in property damage, personal injury, or death.

2. SAFETY INFORMATION

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

- Always use this jack on a hard, level surface.
- Never work under a vehicle supported solely by a jack. Always use appropriately rated jack stands to support the vehicle after lifting.
- Do not exceed the rated capacity of 2.5 tons (5,000 lbs).
- Center the load on the jack saddle. Off-center loads can cause instability.
- Ensure the vehicle's parking brake is engaged and wheels are chocked before lifting.
- Lower the vehicle slowly and carefully.
- Keep hands, feet, and other body parts clear of moving parts and the vehicle during lifting and lowering.
- Wear appropriate personal protective equipment, including safety glasses.
- Inspect the jack for damage or wear before each use. Do not use if damaged.

3. COMPONENTS OVERVIEW

Familiarize yourself with the main components of your Larin Hydraulic SUV Jack:

- **Saddle:** The contact point for lifting the vehicle.

- **Lifting Arm:** The mechanism that raises and lowers the saddle.
- **Handle:** Used for pumping to lift and rotating to lower.
- **Release Valve:** Controls the lowering speed of the jack.
- **Casters:** Wheels for maneuvering the jack.
- **Hydraulic Pump:** Generates the lifting force.



Figure 3.1: Overall view of the Larin 2.5 Ton High Lift Hydraulic SUV Jack. This image shows the jack in its lowered position with the handle detached, highlighting its compact design and robust construction.



Figure 3.2: Side view of the Larin 2.5 Ton High Lift Hydraulic SUV Jack with the handle inserted. This perspective illustrates the jack's low profile and the position of the handle for operation.



Figure 3.3: Top-down view of the Larin 2.5 Ton High Lift Hydraulic SUV Jack, indicating approximate dimensions. This image provides a clear overhead perspective of the jack's footprint and design.

4. SETUP

1. **Unpacking:** Carefully remove the jack and all components from the packaging. Inspect for any shipping damage.
2. **Handle Assembly:** Insert the handle into the handle socket on the jack. Ensure it is securely seated.
3. **Bleeding the Hydraulic System:** Before first use, or if the jack has been stored for a long time, it may be necessary to bleed air from the hydraulic system. To do this:
 - a. Turn the handle counter-clockwise to fully open the release valve.
 - b. Pump the handle several times to force any trapped air out of the system.
 - c. Turn the handle clockwise to close the release valve. The jack should now operate smoothly.

5. OPERATING INSTRUCTIONS

IMPORTANT: Always refer to your vehicle's owner's manual for specific jacking points and procedures.

1. **Prepare the Vehicle:** Park the vehicle on a hard, level surface. Engage the parking brake and place wheel chocks on the wheels that will remain on the ground.
2. **Position the Jack:** Locate the manufacturer-recommended jacking point on your vehicle. Roll the jack under the vehicle, ensuring the saddle is directly beneath the jacking point.
3. **Lift the Vehicle:** Turn the handle clockwise to close the release valve. Pump the handle up and down to raise the vehicle to the desired height. Ensure the jack remains stable throughout the lifting process.
4. **Secure with Jack Stands:** Once the vehicle is lifted, immediately place appropriately rated jack stands under the vehicle at the manufacturer-recommended support points. Slowly lower the vehicle onto the jack stands by gently turning the handle counter-clockwise to open the release valve. The jack should then be removed or left in place without supporting the full load.
5. **Lower the Vehicle:** To lower the vehicle, first slightly raise it off the jack stands using the hydraulic jack. Remove the jack stands. Then, slowly turn the handle counter-clockwise to open the release valve, allowing the vehicle to descend gradually. Once fully lowered, remove the jack.



Figure 5.1: Side view of the Larin 2.5 Ton High Lift Hydraulic SUV Jack in a partially raised position. This demonstrates the initial phase of lifting a vehicle.



Figure 5.2: Side view of the Larin 2.5 Ton High Lift Hydraulic SUV Jack in a fully raised position. This illustrates the maximum lift height achievable by the jack.



Figure 5.3: Front view of the Larin 2.5 Ton High Lift Hydraulic SUV Jack with the handle. This view highlights the front casters and the overall width of the jack.

6. MAINTENANCE

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

- **Hydraulic Fluid:** Check the hydraulic fluid level periodically. If low, refill with a high-quality hydraulic jack oil. Do not use brake fluid or other non-approved fluids.
- **Lubrication:** Lubricate all moving parts and pivot points with light machine oil regularly.
- **Cleaning:** Keep the jack clean and free of dirt, grease, and debris.
- **Storage:** Store the jack in a dry, clean place with the ram fully retracted to prevent corrosion and extend seal life.

7. TROUBLESHOOTING

If you encounter issues with your Larin Hydraulic SUV Jack, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Jack will not lift	Release valve open; Low hydraulic fluid; Air in system	Close release valve; Check/refill fluid; Bleed air from system
Jack lifts slowly or erratically	Low hydraulic fluid; Air in system; Worn seals	Check/refill fluid; Bleed air from system; Contact customer support for seal replacement
Jack will not hold load	Release valve not fully closed; Internal leak; Overload	Ensure valve is tight; Do not exceed capacity; Contact customer support for internal leak
Jack lowers too quickly	Release valve opened too far; Internal leak	Control release valve carefully; Contact customer support for internal leak

8. SPECIFICATIONS

Feature	Specification
Load Capacity	2.5 Tons (5,000 lbs)
Minimum Lifting Height	5.875 inches
Maximum Lifting Height	20.88 inches
Product Dimensions (L x W x H)	28.3 x 10 x 7 inches
Item Weight	50.6 pounds
Model Number	SUV-5000A
Compliance	Meets ASME/PASE safety standards

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please contact Larin customer service. Keep your purchase receipt for warranty claims. Contact details can typically be found on the manufacturer's website or product packaging.