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AC-DK 1

AC-DK 1.5 Ton Hydraulic Floor Jack User Manual

Model: 1

Introduction

This manual provides essential instructions for the safe operation, maintenance, and troubleshooting of your AC-DK 1.5 Ton Hydraulic Floor 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.

Safety Information

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

- Always read and understand the entire manual before operating the jack.
- Do not exceed the rated capacity of 1.5 tons (3,000 lbs).
- Use only on a hard, level surface.
- Immediately after lifting, support the vehicle with appropriate jack stands. Do not work under a vehicle supported only by a floor 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 moving parts.
- Ensure the vehicle's parking brake is engaged and wheels are chocked before lifting.
- Do not modify the jack.
- Inspect the jack before each use. Do not use if damaged or leaking hydraulic fluid.

Product Components

Familiarize yourself with the main components of your AC-DK Hydraulic Floor Jack.



Figure 1: AC-DK 1.5 Ton Hydraulic Floor Jack. This image displays the complete jack assembly, including the main blue body, the yellow carrying handle, the silver lifting arm with saddle, the long silver operating handle, and the black wheels.

1. **Lifting Saddle:** The contact point for lifting the vehicle.
2. **Release Valve:** Controls the lowering of the jack.
3. **Pumping Handle:** Used to pump the hydraulic mechanism to lift the jack.
4. **Carrying Handle:** For easy transport of the jack.
5. **Wheels:** Allow for easy positioning of the jack.
6. **Hydraulic Cylinder:** The internal mechanism that provides lifting force.

Setup

Before first use, or after transport, it is recommended to purge air from the hydraulic system.

1. **Assemble Handle:** Insert the two-piece operating handle into the handle socket and secure it according to the manufacturer's instructions (typically with a set screw or pin).

2. **Purge Air:**
    - Turn the release valve counter-clockwise fully to open it.
    - Pump the handle 10-15 full strokes without a load.
    - Turn the release valve clockwise fully to close it.
3. The jack is now ready for use.

Operating Instructions

Lifting a Vehicle

1. Park the vehicle on a hard, level surface. Engage the parking brake and chock the wheels that will remain on the ground.
2. Locate the vehicle's manufacturer-recommended lifting points. Refer to your vehicle's owner's manual.
3. Position the jack so the lifting saddle is directly under the designated lifting point. Ensure the load is centered on the saddle.
4. Turn the release valve clockwise until it is fully closed.
5. Pump the operating handle to raise the jack until the saddle contacts the vehicle's lifting point. Continue pumping to lift the vehicle to the desired height.
6. Immediately place appropriately rated jack stands under the vehicle at the manufacturer's recommended support points.
7. Slowly turn the release valve counter-clockwise to lower the vehicle onto the jack stands. Once the vehicle is securely resting on the jack stands, remove the floor jack.

Lowering a Vehicle

1. Ensure the area around and under the vehicle is clear of obstructions and personnel.
2. Position the floor jack under the vehicle's lifting point, ensuring the saddle is centered.
3. Turn the release valve clockwise until it is fully closed.
4. Pump the operating handle to slightly raise the vehicle off the jack stands.
5. Remove the jack stands.
6. Slowly and carefully turn the release valve counter-clockwise to lower the vehicle to the ground. Control the lowering speed by adjusting how much you open the valve.
7. Once the vehicle is fully lowered, remove the floor jack.

Maintenance

- **Lubrication:** Periodically lubricate pivot points and moving parts with light machine oil.
- **Hydraulic Fluid:** Check the hydraulic fluid level every three months. To check, lower the jack completely, 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 corrosive materials.
- **Storage:** Store the jack in a fully lowered position in a dry, protected area.
- **Inspection:** Before each use, inspect for cracks, bends, leaks, or any other damage. Do not use a damaged jack.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Jack will not lift	Release valve open; Low hydraulic fluid; Air in system; Overload	Close release valve; Add hydraulic fluid; Purge air from system; Reduce load (do not exceed capacity)
Jack lifts slowly or erratically	Low hydraulic fluid; Air in system	Add hydraulic fluid; Purge air from system
Jack leaks fluid	Damaged seals; Loose fittings	Contact qualified service personnel for repair or replacement of seals/fittings. Do not use if leaking.
Jack will not lower	Release valve stuck; Obstruction	Gently tap release valve handle; Check for obstructions under the jack.

Specifications

- **Brand:** AC-DK
- **Model:** 1
- **Type:** Hydraulic Floor Jack
- **Rated Capacity:** 1.5 Tons (3,000 lbs) *(Note: Product specifications also list 15000 Pounds, which is approximately 7.5 Tons. Always verify the actual capacity on the product label before use.)*
- **Material:** Heavy Duty Steel
- **Features:** Fast Lift, Blow Mold Carrying Case
- **Intended Use:** Lifting cars and light trucks for maintenance.

Warranty and Support

Specific warranty information is not provided in the product details. For warranty claims, technical support, or replacement parts, please contact AC-DK customer service directly or refer to the documentation included with your purchase. Keep your purchase receipt as proof of purchase.
You may visit the AC-DK Store on Amazon for more information.

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