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> USSKYBOY Lincoln Walker J-122 1.5 Ton Floor Jack Hydraulic Seal Repair Kit User Manual

USSKYBOY J-122

USSKYBOY Hydraulic Seal Repair Kit for Lincoln Walker J-122 1.5 Ton Floor Jack

Model: J-122 | Part Number: 93632

1. INTRODUCTION

This manual provides detailed instructions for the installation and maintenance of the USSKYBOY Hydraulic Seal Repair Kit, designed specifically for the Lincoln Walker J-122 1.5 Ton Floor Jack. This kit is intended to restore the hydraulic performance of your floor jack by replacing worn or damaged seals, ensuring safe and efficient operation. Please read all instructions carefully before beginning any repair work.

- Never use a damaged or improperly repaired floor jack.

3. KIT CONTENTS

The USSKYBOY Hydraulic Seal Repair Kit for the Lincoln Walker J-122 1.5 Ton Floor Jack includes 18 pieces necessary for a complete cylinder rebuild. These components are engineered for continuous hydraulic pressure and long-lasting service life.

Full 18-Piece Comprehensive Kit

Includes all necessary seals, balls, and small components for a full cylinder rebuild – no need to source parts individually

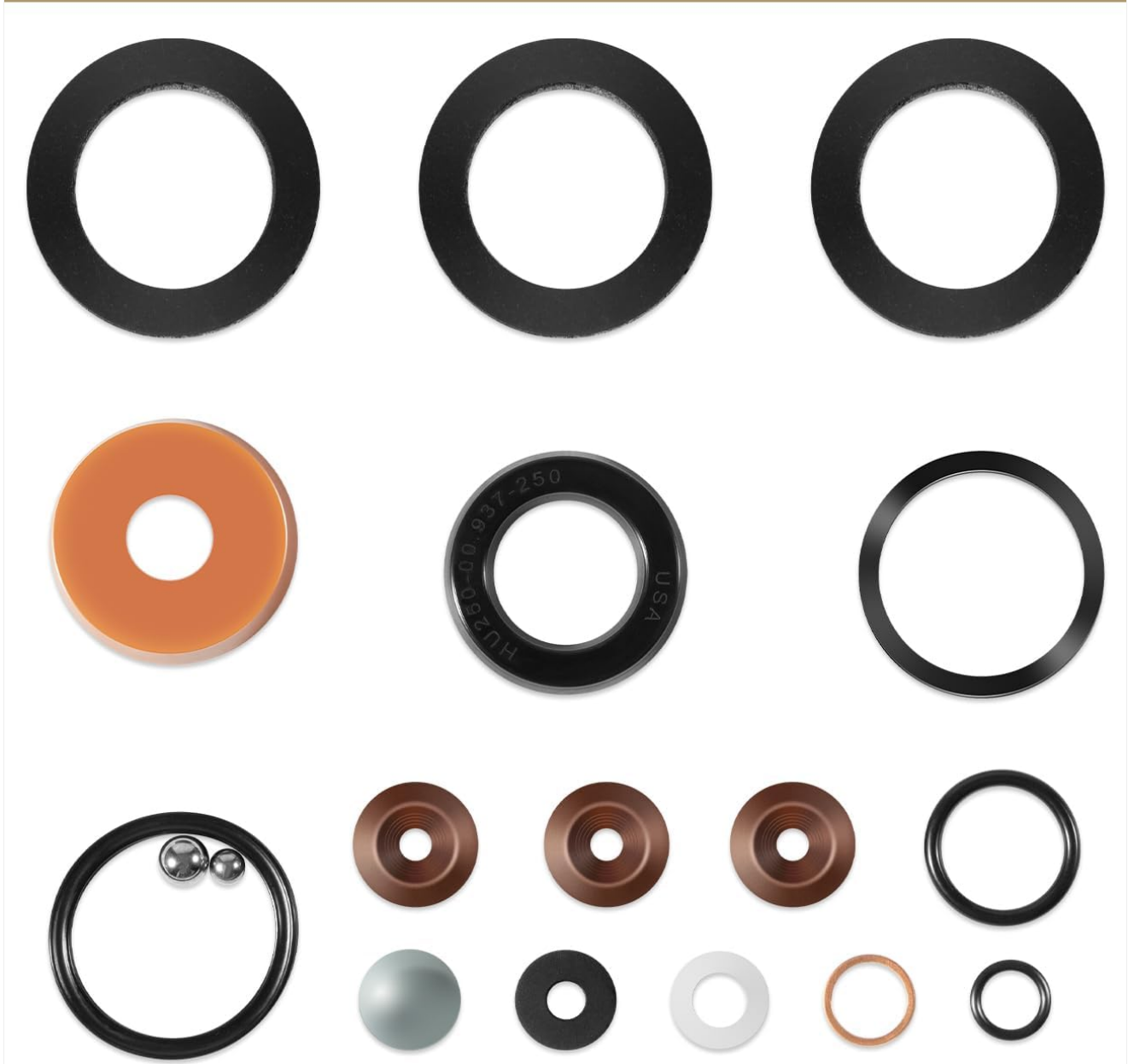


Image 3.1: All 18 components included in the repair kit.

Components List:

1. Various O-rings
2. U-cup seals

3. Backup rings
4. Wiper seals
5. Steel balls
6. Other small components for cylinder rebuild

The seals are made from high-durability, oil-resistant compounds to ensure optimal performance and longevity.

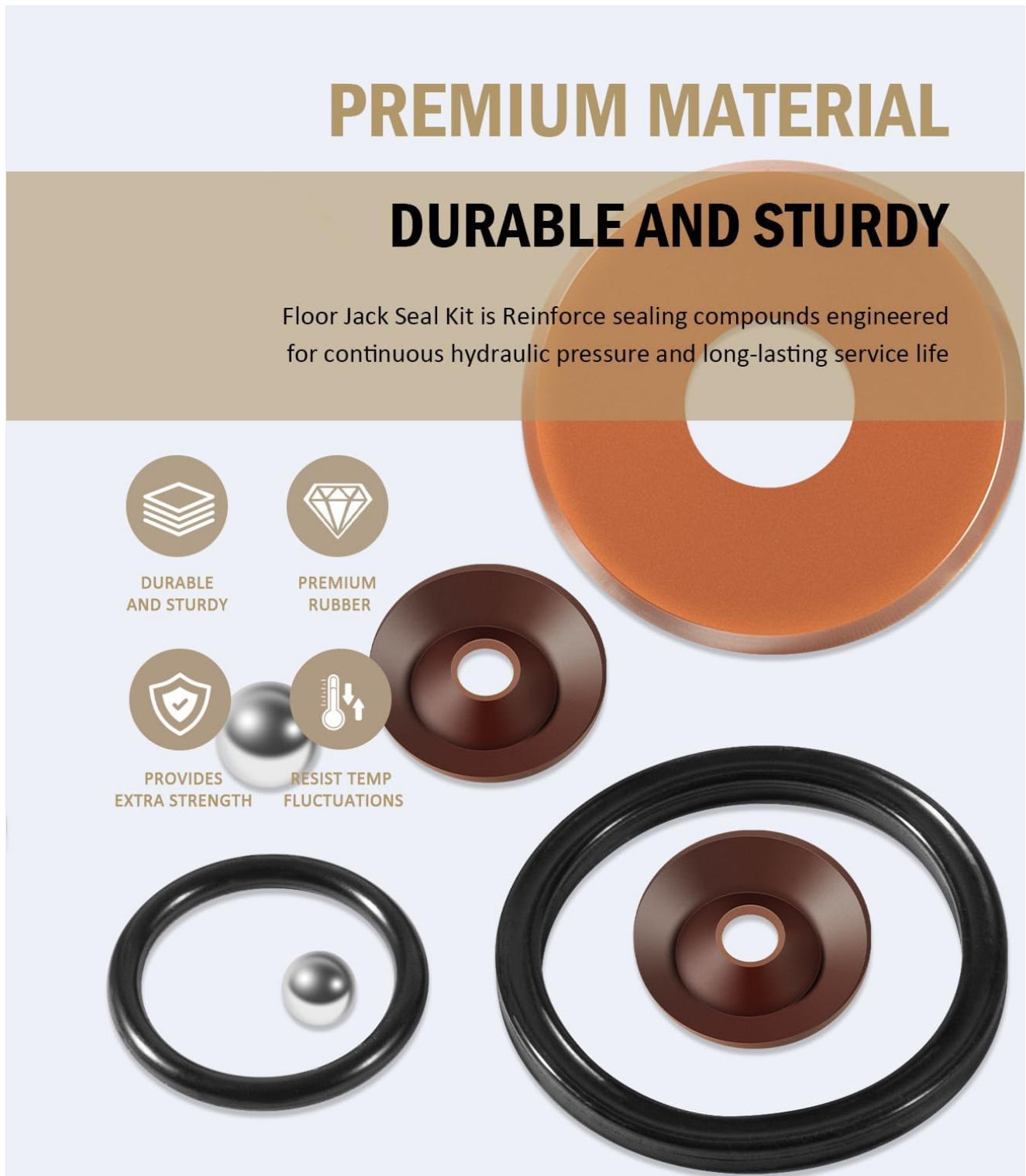


Image 3.2: Illustration of the premium, durable, and sturdy materials used for the seals.

4. REPAIR PROCESS: SEAL REPLACEMENT

This section outlines the general steps for replacing the hydraulic seals in your Lincoln Walker J-122 floor jack. Specific disassembly procedures may vary slightly depending on the exact jack design. Refer to your jack's original service manual if

available.

4.1. Preparation

1. **Depressurize the Jack:** Ensure the jack is fully lowered and the release valve is open to relieve all pressure.
2. **Drain Hydraulic Fluid:** Locate the fill plug or reservoir cap and carefully drain the old hydraulic fluid into a suitable container for proper disposal.
3. **Clean the Jack:** Thoroughly clean the exterior of the hydraulic unit to prevent contaminants from entering during disassembly.

4.2. Disassembly of Hydraulic Cylinder

1. **Identify Components:** Carefully identify the ram cylinder, pump piston, and associated components. The kit is a direct replacement for 1.5-ton floor jacks with a 1-1/4" ram cylinder.
2. **Remove Retaining Rings/Caps:** Use appropriate tools to remove any retaining rings, caps, or bolts securing the hydraulic cylinder components.
3. **Extract Piston/Ram:** Gently extract the main ram and pump piston assemblies from the cylinder body. Be careful not to scratch or damage polished surfaces.

4.3. Seal Replacement

1. **Remove Old Seals:** Carefully remove all old O-rings, U-cups, and other seals from the piston, ram, and cylinder bore. Note their original positions and orientations.
2. **Clean Components:** Thoroughly clean all metal components with a suitable solvent to remove old fluid, dirt, and debris. Inspect for any damage, scoring, or corrosion.
3. **Install New Seals:** Lubricate the new seals from the kit with clean hydraulic fluid before installation. Carefully install each new seal into its correct position, ensuring it is not twisted or pinched. Refer to the detailed dimension image for proper identification.

DETAILED DIMENSION

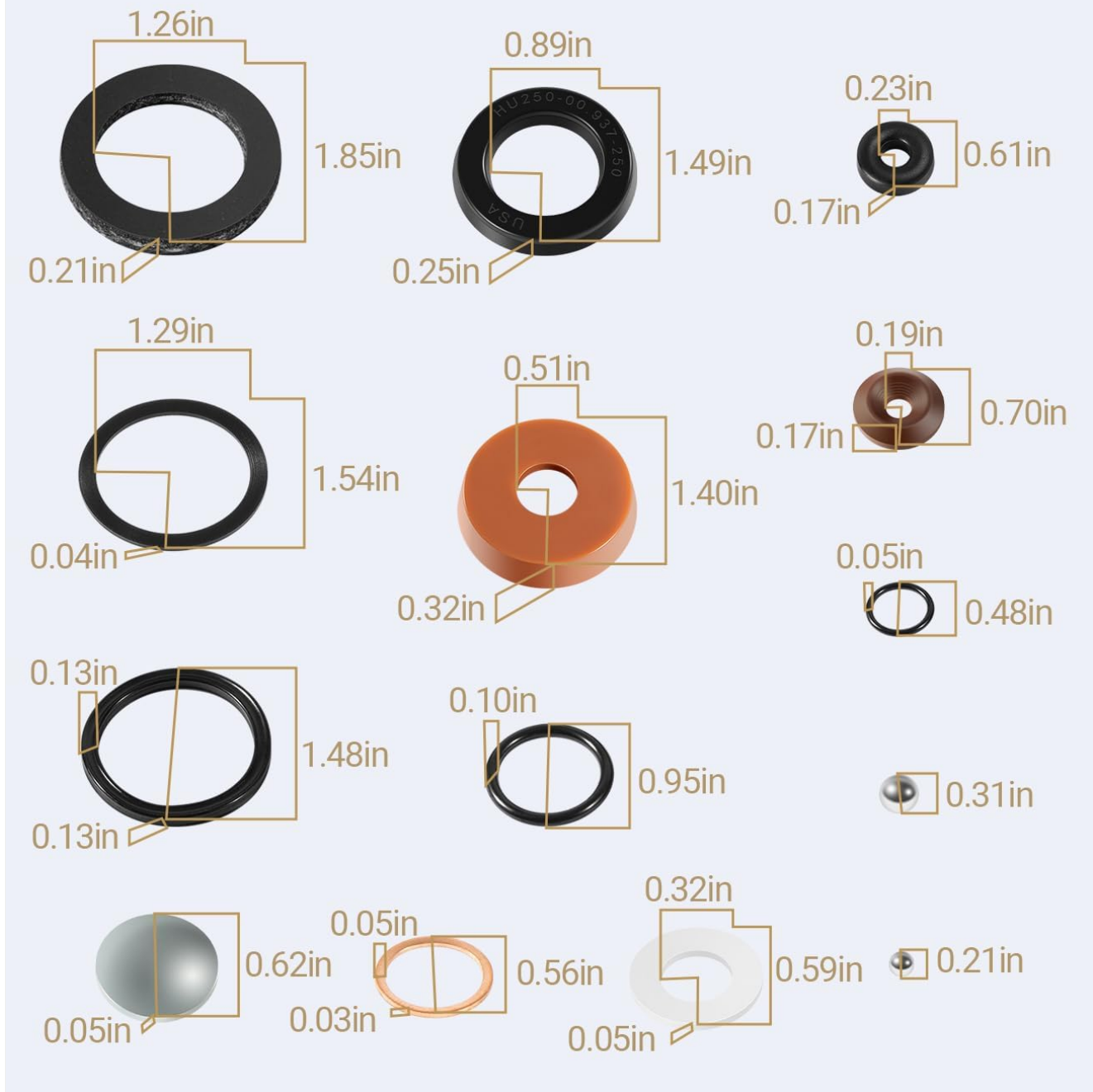


Image 4.1: Detailed dimensions of the seals to aid in correct identification and placement.

4.4. Reassembly and Testing

1. **Reassemble Cylinder:** Carefully reinsert the piston and ram assemblies into the cylinder, ensuring proper alignment and avoiding damage to the new seals. Reinstall all retaining rings, caps, and bolts.
2. **Refill Hydraulic Fluid:** Fill the reservoir with new, clean hydraulic fluid recommended for your floor jack. Do not overfill.
3. **Bleed Air:** Operate the jack through its full range of motion several times without a load to bleed any trapped air from the system. You may need to open the release valve and pump the handle a few times.
4. **Test Operation:** Once air is bled, test the jack with a light load to ensure it lifts smoothly and holds pressure without leaking.



Image 4.2: Visual representation of a worn seal, the internal cylinder, and the process of installing a new seal.

- Ensure the hydraulic system is properly bled of air.
 - Verify the hydraulic fluid level is correct.
 - Check for proper installation of check balls and valves.
- **Jack drifts down under load:**
 - This often indicates an internal leak. Re-check all seals and valve components for proper seating and condition.

6. PRODUCT SPECIFICATIONS

| | |
|-----------------------------------|--|
| Brand | USSKYBOY |
| Model Number | J-122 |
| Compatible Floor Jack | Lincoln Walker J-122 1.5 Ton Floor Jack |
| Ram Cylinder Compatibility | 1-1/4" |
| Kit Contents | 18-Piece Seal Replacement Kit (seals, balls, small components) |
| Material | High-durability, oil-resistant sealing compounds |

7. WARRANTY AND SUPPORT

USSKYBOY provides a 1-year warranty for this Hydraulic Seal Repair Kit. If you are not satisfied with the product, you may return it within 30 days of purchase.

For technical assistance or warranty claims, please contact USSKYBOY customer support through the retailer where the product was purchased. Please have your purchase information and product model number (J-122) ready when contacting support.