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› RAParts O-Ring R26282 Instruction Manual

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RAParts O-Ring R26282 Instruction Manual

Model: R26282 (ASIN: B0CWSJCN94)

Brand: Reliable Aftermarket Parts

INTRODUCTION

This manual provides essential information for the proper installation, maintenance, and understanding of the RAParts O-Ring, part number R26282. This O-ring is a critical component designed for various John Deere agricultural and construction machinery, ensuring a reliable seal in hydraulic and fluid systems.

PRODUCT OVERVIEW



Figure 1: The RAParts O-Ring R26282. This image displays the single black rubber O-ring, which is a replacement part for various John Deere equipment. It is designed to create a tight seal between two parts, preventing fluid leakage.

The R26282 O-ring is an aftermarket replacement part manufactured to meet or exceed original equipment specifications. It is crucial for maintaining the integrity of fluid systems in heavy machinery, preventing leaks and ensuring efficient operation.

INSTALLATION GUIDELINES

Proper installation is vital for the longevity and effectiveness of the O-ring. Always refer to your equipment's specific service manual for detailed instructions regarding the component you are replacing.

1. **Preparation:** Ensure the mating surfaces are thoroughly cleaned and free of any debris, old gasket material, or contaminants. A clean surface is essential for a proper seal.
2. **Inspection:** Before installation, carefully inspect the new O-ring for any cuts, nicks, or deformities. A damaged O-ring will not provide an effective seal.
3. **Lubrication:** Lightly lubricate the O-ring with a compatible fluid (e.g., hydraulic fluid, clean engine oil, or a specific O-ring lubricant) before installation. This helps prevent twisting or pinching during assembly and aids in seating the O-ring correctly.
4. **Seating:** Carefully seat the O-ring into its groove. Ensure it is not twisted or stretched excessively.

5. **Assembly:** Assemble the components carefully, ensuring the O-ring remains properly seated. Avoid overtightening fasteners, which can deform the O-ring and compromise the seal.

Note: Always use appropriate personal protective equipment (PPE) during installation.

FUNCTION AND OPERATING ENVIRONMENT

The R26282 O-ring functions as a static or dynamic seal within various fluid systems, including hydraulic, fuel, and lubrication systems. Its primary role is to prevent the leakage of fluids and gases under pressure or vacuum, ensuring the efficient and safe operation of the machinery.

This O-ring is designed to withstand typical operating temperatures and pressures found in John Deere agricultural and construction equipment. Its durometer (hardness) of 70 indicates a good balance of flexibility and resistance to compression set, suitable for demanding applications.

MAINTENANCE AND INSPECTION

While O-rings are designed for durability, regular inspection and timely replacement are crucial for preventing system failures.

- **Visual Inspection:** During routine maintenance of your equipment, visually inspect accessible O-rings for signs of wear, cracking, hardening, softening, swelling, or flattening.
- **Leak Detection:** Monitor for any signs of fluid leakage around sealed joints. Even minor leaks can indicate a failing O-ring.
- **Replacement Schedule:** Follow the equipment manufacturer's recommended service intervals for O-ring replacement, especially in critical applications or high-wear areas.
- **Storage:** Store spare O-rings in a cool, dry place away from direct sunlight, ozone, and extreme temperatures to preserve their material properties.

TROUBLESHOOTING COMMON ISSUES

Most issues related to O-rings manifest as leaks or system pressure loss. Here are common causes and troubleshooting steps:

Symptom	Possible Cause	Resolution
Fluid Leakage	Damaged, worn, or improperly installed O-ring; incorrect O-ring size.	Inspect O-ring for damage. Replace if necessary. Ensure correct size and proper installation. Clean sealing surfaces.
Pressure Loss	Compromised seal due to O-ring degradation or improper seating.	Replace O-ring. Verify proper seating and torque specifications for mating components.
O-ring Extrusion/Pinching	Excessive pressure, improper groove design, or incorrect O-ring hardness.	Ensure O-ring is correct for application pressure. Re-evaluate groove dimensions if recurring.

If issues persist after troubleshooting, consult a qualified technician or the equipment manufacturer's service manual.

SPECIFICATIONS

The RAParts O-Ring R26282 is manufactured to precise dimensions and material properties to ensure compatibility and performance.

Part Number: R26282

Inside Diameter (ID): 2.109 inches

Outside Diameter (OD): 2.387 inches

Thickness: 0.139 inches

Durometer: 70 (Shore A)

Standard Number Code: A

Standard Number Size: 227

Compatible John Deere Models:

This O-ring is compatible with a wide range of John Deere equipment. Please verify your specific model and part requirements before purchase and installation.

- **Sugar Cane Harvester:** CH330, CH530
- **Sprayer:** 6000 HI-CYCLE
- **Skid Steer Loader:** 4475, 5575, 6675, 7775
- **Planter:** 1720, 1725, 1725NT, 1760NT, 1765NT, 1770, 1770NT, 1780, 7200
- **Mower Conditioner:** 1525
- **Sickle Mower:** 37
- **Construction/Industrial:** 495D, 510C, 540G, 548G, 595, 655, 690, 690C, 690CR, 690D, 690DR, 693B, 693C, 693D, 710C, 740A, 740E, 748GII, 755, 759JH, 803MH, 844, 850, 853MH, 855, 859MH, 860, 860A, 909JH, 909KH, 909MH, 959MH
- **Grain Drill:** 1870
- **Excavator:** 690A, 690B, 750
- **Dozer:** 750B, 750C, 750C-II, 850B, 850C, 850C-II, 950C
- **Crawler:** 655B, 755A, 755B, 755C, 755D
- **Cotton Picker:** 9900, 9910, 9920, 9930
- **Backhoe:** 410C, 410D, 510D, 610C, 710B, 710D

WARRANTY INFORMATION

For specific warranty details regarding the RAParts O-Ring R26282, please refer to the warranty policy provided by the seller, RAParts Inc., or contact Reliable Aftermarket Parts directly. Warranty terms typically cover manufacturing defects.

CUSTOMER SUPPORT

If you have questions regarding the RAParts O-Ring R26282, its compatibility, or require technical assistance, please contact the seller or manufacturer:

Seller: RAParts Inc.

Brand: Reliable Aftermarket Parts

Online Store: [Visit Reliable Aftermarket Parts Store on Amazon](#)

When contacting support, please provide the part number R26282 and your equipment model for faster assistance.

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