

MSR 27-1088

MSR Swingarm Link Bearing Kit Instruction Manual

Brand: MSR | Model: 27-1088

1. INTRODUCTION

This instruction manual provides essential information for the MSR Swingarm Link Bearing Kit, model 27-1088. This kit is designed to replace worn or damaged bearings, seals, and spacers in the swingarm linkage of compatible Yamaha motorcycles, restoring optimal suspension performance and handling. Please read this manual thoroughly before attempting installation or maintenance.

2. SAFETY INFORMATION

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Always wear appropriate personal protective equipment (PPE) such as safety glasses and gloves when handling components or performing installation. Ensure the motorcycle is securely supported to prevent accidental movement or tipping during work. Keep all components out of reach of children.

3. PRODUCT CONTENTS

The MSR Swingarm Link Bearing Kit includes all necessary components for a complete rebuild of your motorcycle's swingarm linkage bearings. The exact quantity and types of bearings, seals, and spacers may vary slightly depending on your specific motorcycle model, but the kit is comprehensive for the intended application.



The image displays the complete MSR Swingarm Link Bearing Kit, showing all individual components such as cylindrical bearings, various seals, and metal spacers, designed for a full replacement of the swingarm linkage bearings.

Typically, the kit contains:

- Precision-machined bearings
- Durable rubber seals
- Metal spacers and bushings

4. COMPATIBILITY

This MSR Swingarm Link Bearing Kit (Model 27-1088) is compatible with the following Yamaha motorcycle models:

- WR250: 1994-1997
- WR400F: 1998-2000
- YZ125: 1993, 1995-2000
- YZ250: 1993-2000
- YZ400F: 1998-1999

- YZ426F: 2000

Please verify your motorcycle's specific make, model, and year to ensure proper fitment before installation.

5. INSTALLATION INSTRUCTIONS

Installation of swingarm linkage bearing kits requires specialized tools and mechanical knowledge. It is highly recommended that installation be performed by a qualified motorcycle mechanic or an experienced individual following the specific service manual for your motorcycle model. General steps typically include:

1. **Preparation:** Safely secure the motorcycle on a stable stand, ensuring it cannot tip over. Remove the rear wheel, swingarm, and linkage components as per your motorcycle's service manual.
2. **Disassembly:** Carefully remove old bearings, seals, and spacers. Pay close attention to their orientation and order for correct reassembly. Note any shims or washers.
3. **Cleaning:** Thoroughly clean all mating surfaces on the swingarm and linkage, removing any dirt, rust, or old grease. Inspect for any damage or wear that might affect new component installation.
4. **Bearing Installation:** Apply appropriate high-quality grease to the new bearings. Install them using a bearing press or suitable tools to ensure they are pressed in squarely and without damage. Avoid hammering directly on the bearings. Ensure proper alignment.
5. **Seal and Spacer Installation:** Install new seals and spacers in the correct order and orientation as noted during disassembly. Ensure seals are seated properly to prevent contamination.
6. **Reassembly:** Reassemble the linkage, swingarm, and rear wheel. Apply thread locker to bolts as recommended by your motorcycle's service manual. Tighten all fasteners to the precise torque specifications provided in your motorcycle's service manual.
7. **Final Check:** Perform a final check of all components for proper movement, security, and absence of play. Ensure the rear suspension moves freely and smoothly through its full range of motion before riding.

6. FUNCTION AND PURPOSE

The MSR Swingarm Link Bearing Kit is designed to replace worn or damaged bearings and seals within your motorcycle's swingarm linkage system. These components are critical for the smooth and controlled articulation of the rear suspension. Properly functioning linkage bearings ensure precise handling, optimal shock absorption, and a comfortable ride by allowing the swingarm to pivot freely and consistently. Replacing these parts restores the linkage to its intended operational performance, eliminating unwanted play and improving overall suspension response.

7. MAINTENANCE

Regular maintenance of your swingarm linkage bearings is essential for their longevity and continued performance. It is recommended to:

- **Inspection:** Periodically inspect the linkage for excessive play, stiffness, or unusual noises during routine motorcycle maintenance.
- **Lubrication:** Clean and re-grease the bearings periodically, especially after riding in wet or muddy conditions. Refer to your motorcycle's service manual for recommended lubrication intervals and the specific type of grease to use.
- **Seal Check:** Check the condition of the seals for cracks, tears, or signs of wear. Replace them if necessary to prevent water, dirt, and debris from contaminating the bearings.

8. TROUBLESHOOTING

If you experience issues after installation or during use, consider the following common problems and solutions:

- **Excessive Play in Rear Suspension:** This often indicates worn bearings (if not new), incorrect installation, or improperly torqued bolts. Re-inspect the linkage for proper seating of all components and check for any remaining play.
- **Stiff or Binding Rear Suspension:** This could be due to over-tightened bolts, incorrect bearing installation (e.g., not pressed in squarely), or insufficient lubrication. Ensure all bolts are torqued to specification and bearings are properly greased and seated.
- **Unusual Noises (Squeaking, Grinding) from Rear Suspension:** Squeaking or grinding noises may suggest dry, contaminated, or damaged bearings. Disassemble, inspect, clean, and lubricate or replace components as needed.

Always consult your motorcycle's specific service manual for detailed troubleshooting and repair procedures, as it provides model-specific guidance.

9. SPECIFICATIONS

Attribute	Value
Manufacturer	MSR
Brand	MSR
Model	MSR 27-1088
Item Weight	1 pounds
Product Dimensions	5 x 5 x 2.5 inches
Item Model Number	27-1088
Manufacturer Part Number	27-1088
UPC	887337096360

10. SUPPORT

For technical assistance or further information regarding the MSR Swingarm Link Bearing Kit, please refer to the official MSR website or contact their customer support. Always consult your motorcycle's specific service manual for detailed installation and maintenance procedures, as it contains crucial model-specific information.