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› Spicer 5-1410X U-Joint Kit Instruction Manual

Spicer 5-1410X

Spicer 5-1410X U-Joint Kit Instruction Manual

Model: 5-1410X

INTRODUCTION

The Spicer 5-1410X U-Joint Kit is a high-quality universal joint designed for various automotive applications. Spicer parts are engineered to ensure longer life for vehicles, manufactured to the exact standards and specifications as Original Equipment parts, ensuring reliable performance and durability.



Image: The Spicer 5-1410X U-Joint Kit, showing the cross and various snap rings included for installation.

WHAT'S INCLUDED

Each Spicer 5-1410X U-Joint Kit typically includes the following components:

- Universal Joint 1410/SPL 36 OSR 1.188 Cap
- Multiple thickness snap rings for proper fitment

PRODUCT SPECIFICATIONS AND FEATURES

The Spicer 5-1410X U-Joint Kit is designed with precision and durability in mind. Key specifications and features include:

- **Spicer Life Non-Greaseable Universal Joint:** Designed for long-lasting performance without the need for periodic lubrication.
- **Outside Snap Ring Style (OSR):** Ensures secure fitment and easy installation/removal.
- **1410/SPL36 Series:** Compatible with specific drivetrain applications.
- **Bearing Cap Diameter:** 1.188 inches.
- **Bearing Cap to Bearing Cap:** 4.188 inches.
- **Hot Forged, Heat Treated, and Case Hardened Cross:** Provides exceptional strength and wear resistance.
- **Precision Ground Bearing Cups and Seal Surfaces:** Enhances durability and ensures optimal sealing.
- **Seal Guard:** High-impact material that prevents contaminants from entering the bearing cup.
- **Thrust Washer:** Prevents metal-on-metal contact between the trunnion and bearing cup, reducing friction and galling.
- **Multi-Lip Seal:** Designed to keep grease in and contaminants out, extending the life of the joint.

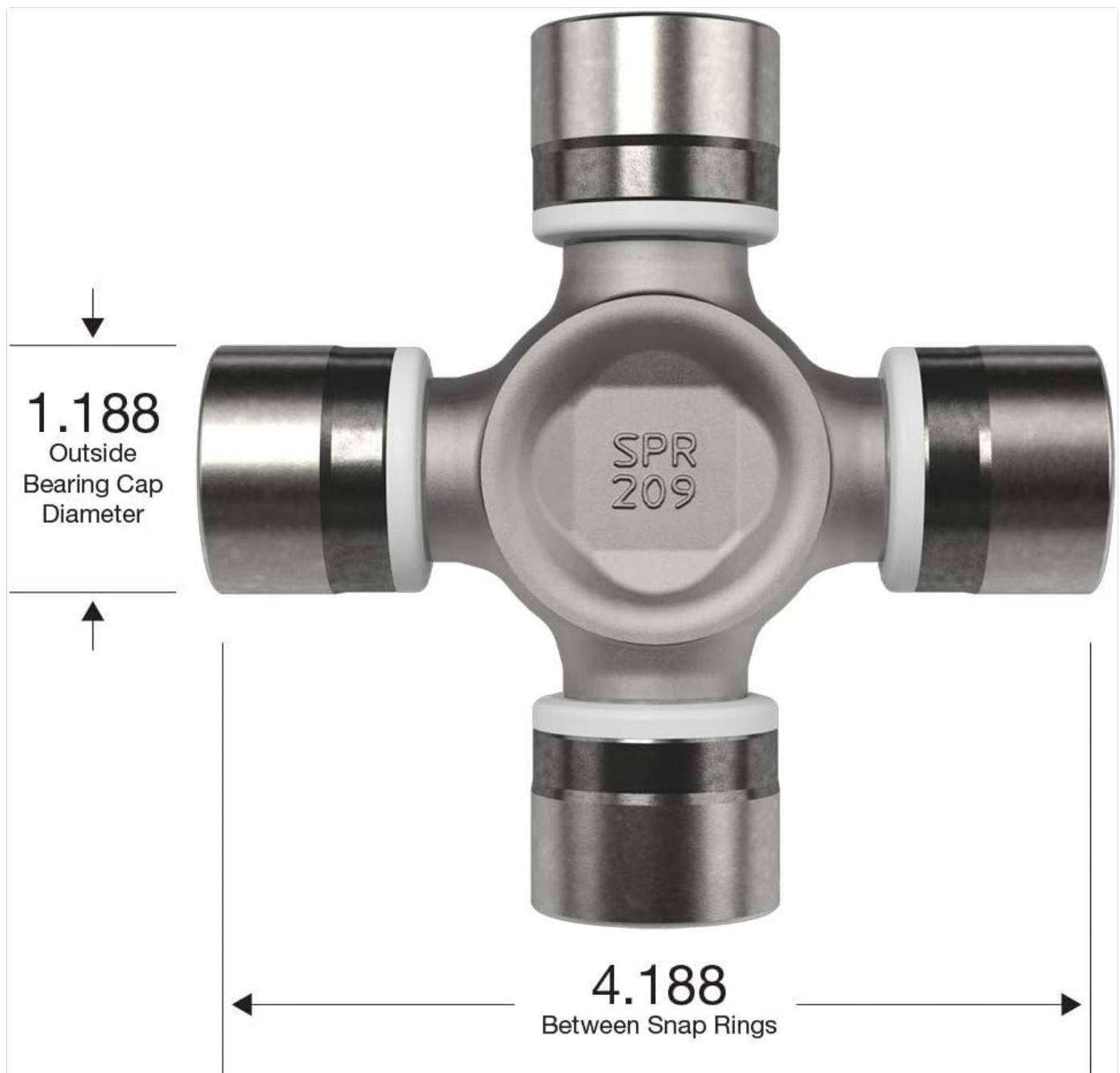


Image: Detailed dimensions of the U-joint, showing the 1.188-inch bearing cap diameter and 4.188-inch distance between snap rings.



Image: Exploded view illustrating the individual components of the Spicer U-Joint, including the cross, bearing cups, seals, and thrust

washers.

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Bearing Cups

Heat-treated for strength

Precision-ground and case-hardened for durability

Image: Close-up of the bearing cups, highlighting their heat-treated strength and precision-ground, case-hardened durability.

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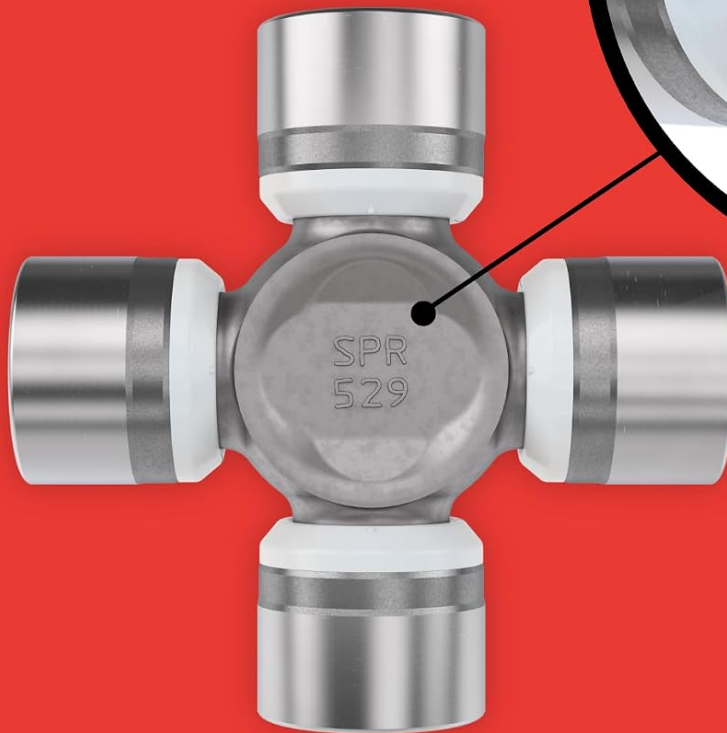
Seal and Bearings

The process of precision grinding the seal and bearing surfaces helps to improve the life of the seal and bearing

Image: Detail of the seal and bearings, emphasizing the precision grinding process that improves the life of these components.

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Extended U-Joint Life

Journal cross engineered with a cold-formed body to ensure better wear and overall strength

Image: Illustration of the journal cross, engineered with a cold-formed body for improved wear and overall strength, contributing to extended U-Joint life.

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Multi-Lip Seal

Keeps grease in and
contaminants out

Offers maximum retention
in a wider range of
environments

Image: Close-up of the multi-lip seal, designed to keep grease in and contaminants out, offering maximum retention in various environments.

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Seal Guard

High-impact material
for optimal first-level
protection against
contaminants

Image: Detail of the seal guard, a high-impact material providing optimal first-level protection against contaminants.

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Thrust Washer and Enhanced Spacer Material

Eliminates friction
and end galling

Prevents metal-to-
metal contact

Image: Illustration of the thrust washer and enhanced spacer material, designed to eliminate friction and end galling, preventing metal-to-metal contact.

SETUP AND INSTALLATION

Installation of the Spicer 5-1410X U-Joint Kit requires mechanical aptitude and appropriate tools. It is recommended to consult a professional mechanic or refer to a detailed service manual for your specific vehicle model. Ensure all mating surfaces are clean and free of debris before installation.

Key considerations during installation:

- Verify correct U-joint series (1410/SPL36) for your application.
- Use appropriate pressing tools to install bearing cups to avoid damage.
- Ensure snap rings are fully seated in their grooves.
- Confirm the joint pivots freely and smoothly after installation.

OPERATING CONSIDERATIONS

The Spicer 5-1410X is a non-greaseable U-joint, meaning it does not require periodic lubrication after installation. The factory-filled grease is sufficient for its lifespan. Proper installation is crucial for optimal performance and longevity.

MAINTENANCE

As a non-greaseable unit, the Spicer 5-1410X U-Joint requires minimal maintenance. Regular inspection of the U-joint and surrounding drivetrain components for signs of wear, looseness, or damage is recommended as part of routine vehicle maintenance. Address any issues promptly to prevent further damage.

TROUBLESHOOTING

If you experience issues with your U-joint, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Vibration or Noise	Worn U-joint, improper installation, unbalanced driveshaft.	Inspect U-joint for play. Re-check installation. Consider professional driveshaft balancing.
Premature Failure	Contamination, excessive load, improper fitment, damaged seals.	Ensure proper installation. Verify correct U-joint for application. Inspect seals for integrity.
Difficulty Pivoting	Binding due to improper installation, dirt between cap and yoke.	Re-examine installation, ensuring caps are fully seated and free of debris.

For complex issues, it is always best to consult a certified automotive technician.

WARRANTY AND SUPPORT

Spicer products are known for their quality and durability. For specific warranty information and support, please refer to the official Spicer website or contact their customer service directly. Keep your purchase receipt as proof of purchase. Visit the official Spicer Store for more information:[Spicer Store on Amazon](#)

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