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NICHE 519-KCV2228B

NICHE Rear CV Axle Boot Kit

INSTRUCTION MANUAL

Model: 519-KCV2228B

1. INTRODUCTION

This manual provides essential information for the installation and maintenance of your NICHE Rear CV Axle Boot Kit. This kit is designed as a replacement for specific Polaris RZR models. Proper installation and regular maintenance are crucial for the longevity and performance of your vehicle's axle system.

Important: Always refer to your vehicle's official service manual for detailed, model-specific instructions and safety procedures before attempting any installation or repair.

2. WHAT'S IN THE BOX

The NICHE Rear CV Axle Boot Kit typically includes the following components:

- CV Axle Boot(s)
- Boot Clamp(s)
- Grease Packet (Molybdenum Di-Sulfide Grease)
- Associated Hardware (e.g., nut, washer, cotter pin, if applicable)



Image 2.1: Complete NICHE Rear CV Axle Boot Kit, showing boots, clamps, grease, and hardware.

3. PRODUCT FEATURES

- **Material:** Durable Neoprene Polychloroprene rubber for boots, heavy-duty stainless steel for clamps.
- **Grease:** Molybdenum Di-Sulfide grease, suitable for high temperatures and heavy load applications.
- **Boot Clamp Gauge:** 0.36mm.
- **OEM Equivalent:** Designed to meet or exceed OEM specifications.



Image 3.1: Two NICHE CV axle boots, made from durable Neoprene Polychloroprene rubber.



MOLYBDENUM DI-SULFIDE
GREASE

Use for automobile
CV joints, bearings,
rollers, helical gears,
cam chains and guides,
ball cages and more.

Suitable for high
temperatures and heavy
load machines under
extreme pressure.

NLGI GRADE #2

DROPPING POINT 780°F/420°C

WORKING TEMPERATURE RANGE

-13°F/-25°C TO 725°F/400°C

C-CGP-0802



Image 3.2: Packet of Molybdenum Di-Sulfide Grease, included for lubrication during installation.



Image 3.3: Two heavy-duty stainless steel boot clamps, designed for secure fastening.

4. COMPATIBILITY

This CV Axle Boot Kit is compatible with the following Polaris RZR models and OEM part numbers:

- Polaris 2017-2018 RZR 1000
- Polaris 2015-2018 RZR 900
- Polaris 2015-2018 RZR 4 900

Replaces OEM Part Numbers: 5415177, 3236163, 3236165, 5415176.

5. INSTALLATION INSTRUCTIONS

Replacing a CV axle boot requires mechanical knowledge and specific tools. If you are not confident in your ability to perform this repair, it is recommended to seek assistance from a qualified mechanic.

General Steps (Consult Vehicle Service Manual for Details):

1. **Preparation:** Safely lift and secure the vehicle. Remove the wheel and brake assembly to access the CV axle.
2. **Axle Removal:** Disconnect the CV axle from the differential and wheel hub.

3. **Old Boot Removal:** Carefully cut and remove the old, damaged CV boot and clamps. Clean off all old grease from the CV joint.
4. **Inspection:** Inspect the CV joint for any damage, wear, or corrosion. Replace the entire axle if significant damage is found.
5. **Greasing:** Apply the provided Molybdenum Di-Sulfide grease evenly into the CV joint and inside the new boot.
6. **New Boot Installation:** Slide the new boot onto the axle shaft and position it correctly over the CV joint.
7. **Clamping:** Secure the boot with the new stainless steel clamps. A specialized boot clamp tool is often required to properly tighten these clamps to prevent grease leakage and contamination.
8. **Reassembly:** Reinstall the CV axle, brake assembly, and wheel. Ensure all fasteners are torqued to the manufacturer's specifications.



Image 5.1: Illustration of a CV boot replacement process, showing the axle and boot components.



Image 5.2: A close-up view of an ATV axle, highlighting the area where the CV boot is installed.

6. MAINTENANCE

Regular inspection of your CV axle boots is essential to prevent premature failure of the CV joint. Look for:

- Cracks, tears, or punctures in the rubber boots.
- Grease leakage around the boot or clamps.

- Unusual noises (clicking, popping) from the axle during turns or acceleration, which may indicate a damaged CV joint due to a compromised boot.

Replace damaged boots promptly to protect the CV joint from dirt, water, and debris, which can lead to costly axle replacement.

7. TROUBLESHOOTING

If you experience issues after installation or during vehicle operation, consider the following:

- **Grease Leakage:** Ensure boot clamps are properly tightened using the correct tool. Check for any nicks or tears in the new boot that might have occurred during installation.
- **Unusual Noises:** Clicking or popping sounds, especially during turns, often indicate a worn or damaged CV joint. If these noises persist after boot replacement, the entire CV axle may need to be replaced.
- **Vibration:** While less common with boot issues, severe vibration could indicate an improperly seated axle or a balance issue. Recheck installation.

For persistent problems, consult a professional mechanic.

8. SPECIFICATIONS

Specification	Detail
Brand	NICHE
Model Number	519-KCV2228B
Material	Alloy Steel (clamps), Rubber (boots)
Vehicle Service Type	ATV, UTV
Fit Type	Vehicle Specific Fit
Orientation	Rear
Item Weight	14.4 ounces
OEM Equivalent Part Numbers	3236165, 5415176, 5415177, 3236163

9. WARRANTY INFORMATION

NICHE offers a **2-Year Limited Warranty** on this product. For specific terms and conditions, or to make a warranty claim, please refer to the official NICHE website or contact customer support.



Image 9.1: NICHE 2-Year Limited Warranty badge.

10. ADDITIONAL RESOURCES

For more information about NICHE products and powersports parts, you may visit the official NICHE website or consult your vehicle's specific service manual.