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› Instruction Manual for MOTO1988 Primary One Way Clutch Bearing and Washer

MOTO1988 420832351 420427220

MOTO1988 Primary One Way Clutch Bearing and Washer Instruction Manual

Model Numbers: 420832351, 420427220

1. PRODUCT OVERVIEW

The MOTO1988 Primary One Way Clutch Bearing and Washer set is a replacement component designed for the primary clutch system in various Can-Am off-road vehicles. This bearing facilitates the one-way rotation necessary for proper clutch engagement and disengagement, contributing to the smooth operation of the vehicle's drivetrain. The package includes one one-way clutch bearing and two washers, essential for a complete and secure installation.



Image 1.1: The MOTO1988 Primary One Way Clutch Bearing and two accompanying washers, as packaged for distribution.

2. SAFETY INFORMATION

Always prioritize safety when working with vehicle components. Improper installation or handling can lead to serious injury or damage to the vehicle. It is highly recommended that installation be performed by a qualified technician.

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported on a level surface using jack stands before beginning any work.
- Disconnect the battery's negative terminal to prevent accidental electrical discharge.
- Allow hot components to cool down before handling.
- Refer to your vehicle's official service manual for specific torque specifications and detailed procedures.

3. PACKAGE CONTENTS

Upon opening the package, verify that all components are present and undamaged:

- 1 x One Way Clutch Bearing

- 2 x Washer



Image 3.1: The complete contents of the MOTO1988 product package, including the bearing, two washers, and the product box.

4. COMPATIBLE MODELS

This Primary One Way Clutch Bearing and Washer set is compatible with the following Can-Am models:

- Can-Am Commander 700 4x4 (2022)
- Can-Am Commander 1000R 4x4 (2021-2022)
- Can-Am Defender HD7 4X4 (2022)
- Can-Am Defender HD8 4X4 (2016-2021)
- Can-Am Defender HD10 4x4 (2016-2022)
- Can-Am Defender HD10 6x6 (2020-2022)
- Can-Am Defender Max HD7 4X4 (2022)
- Can-Am Defender Max HD8 4X4 (2017-2021)
- Can-Am Defender Max HD9 4X4 (2022)

- Can-Am Defender Max HD10 4x4 (2017-2022)
- Can-Am Defender Pro HD10 4x4 (2020-2022)
- Can-Am Maverick Sport 1000 4X4 (2019-2022)
- Can-Am Maverick Sport Max 1000R 4x4 (2019-2022)
- Can-Am Maverick Trail 800 4X4 (2018-2021)
- Can-Am Maverick Trail 800R 4x4 DPS (2018)
- Can-Am Maverick Trail 1000 4X4 (2019-2020)
- Can-Am Maverick Trail 1000R 4X4 (2018)
- Can-Am Maverick X3 4x4 (2018-2022)
- Can-Am Maverick X3 900 HO 4x4 DPS (2018)
- Can-Am Maverick X3 Max 4x4 (2018-2022)
- Can-Am Maverick X3 Max R 4x4 (2017-2021)
- Can-Am Maverick X3 R 4x4 (2017-2021)

Note: Always cross-reference the manufacturer part numbers (420832351, 420427220) with your vehicle's specifications to ensure compatibility before purchase and installation.

5. SETUP AND INSTALLATION GUIDE

Installation of the primary one-way clutch bearing requires specialized tools and knowledge of the vehicle's clutch system. The following is a general guide; always consult your specific vehicle's service manual for detailed, model-specific instructions and torque values.

1. **Preparation:** Ensure the vehicle is off, cool, and securely supported. Remove any necessary covers or components to access the primary clutch.
2. **Clutch Removal:** Carefully remove the primary clutch assembly from the vehicle's engine shaft. This typically involves specialized clutch puller tools.
3. **Disassembly:** Disassemble the primary clutch to access the existing one-way bearing. Note the orientation and placement of all components, including the old bearing and washers.
4. **Inspection:** Inspect the clutch components for wear, damage, or corrosion. Clean all mating surfaces thoroughly.
5. **Lubrication:** The new bearing typically comes without grease. It is crucial to apply the correct type of grease for your clutch application. A marine-grade grease, ideally with PTFE, is often recommended for clutch bearings to ensure proper function and longevity. Apply grease sparingly and evenly to the bearing.
6. **Bearing Installation:** Install the new MOTO1988 one-way clutch bearing and the two new washers into the primary clutch assembly, ensuring correct orientation as noted during disassembly.
7. **Reassembly:** Reassemble the primary clutch, ensuring all components are correctly seated and fasteners are tightened to the manufacturer's specified torque values.
8. **Reinstallation:** Reinstall the primary clutch assembly onto the engine shaft.
9. **Final Checks:** Reinstall all covers and components. Start the vehicle and perform a functional check in a safe environment to ensure proper clutch operation.



Image 5.1: A detailed view of the one-way clutch bearing and the two washers, showing their individual components.

6. OPERATING PRINCIPLES

A one-way clutch bearing, also known as a sprag clutch or freewheel clutch, allows rotation in one direction while preventing it in the opposite direction. In a primary clutch system, this mechanism is crucial for transmitting power efficiently from the engine to the transmission during acceleration and allowing the driven components to freewheel when the engine speed drops below the driven speed (e.g., during deceleration or coasting). This ensures smooth power delivery and prevents engine braking from locking up the drivetrain when not desired.

7. MAINTENANCE

Proper maintenance extends the life of your clutch components. While the one-way bearing itself is a sealed unit, its performance is highly dependent on the overall health of the primary clutch system.

- **Regular Inspection:** Periodically inspect the primary clutch for signs of wear, excessive dust, or contamination.
- **Cleaning:** Keep the clutch area clean from dirt, debris, and moisture.
- **Lubrication:** Ensure that any components requiring lubrication within the clutch system are properly greased with the recommended type and amount of lubricant, as specified in your vehicle's service manual.
- **Component Wear:** Monitor other clutch components (e.g., rollers, weights, springs, sheaves) for wear, as worn parts can negatively impact bearing performance and lifespan.

8. TROUBLESHOOTING

If you experience issues with your vehicle's clutch system after installation, consider the following common problems:

- **Unusual Noises (e.g., grinding, squealing):** This could indicate improper installation, lack of lubrication, or wear in the bearing or other clutch components.
- **Clutch Slippage or Engagement Issues:** May be caused by incorrect assembly, improper lubrication, or issues with other clutch components (e.g., worn belts, springs).
- **Vibration:** Could be a sign of an unbalanced clutch or worn components.

If troubleshooting steps do not resolve the issue, it is recommended to consult a professional mechanic or refer to your vehicle's service manual for detailed diagnostic procedures.

9. SPECIFICATIONS

Attribute	Value
Brand	MOTO1988
Manufacturer Part Number	420832351, 420427220
Model Compatibility	For CAN-AM MAVERICK X3 17-22 TURBO R XDS XRS XMR XRC and other listed models
Item Weight	5 ounces
Package Dimensions	3.86 x 3.11 x 2.64 inches
UPC	733998795862

10. WARRANTY AND SUPPORT

Every product purchased from MOTO1988 comes with a 1-year product service guarantee. For any questions regarding the product during use or purchase, please contact MOTO1988 customer service. They offer 24-hour friendly customer support.

For further assistance or to explore other MOTO1988 products, please visit the official MOTO1988 store on Amazon: [MOTO1988 Store](#)

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and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question