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JT JTR809.49

JT Sprockets JTR809.49 49T Steel Rear Sprocket Instruction Manual

Model: JTR809.49

INTRODUCTION

This manual provides essential instructions for the proper installation, operation, and maintenance of your JT Sprockets JTR809.49 49T Steel Rear Sprocket. Adhering to these guidelines will help ensure optimal performance and longevity of the product.



Image: A black, circular JT Sprockets JTR809.49 49T Steel Rear Sprocket with 49 teeth around its circumference and five mounting holes around the central hub. The sprocket is designed for motorcycle or powersports applications.

SAFETY INFORMATION

WARNING: Improper installation or maintenance of drive components can lead to serious injury or death. Always consult a qualified mechanic if you are unsure about any procedure.

- Always wear appropriate personal protective equipment (PPE) when working on your vehicle.
- Ensure the vehicle is stable and securely supported before beginning any work.
- Refer to your vehicle's service manual for specific torque specifications and procedures.
- Keep hands and clothing clear of moving parts.

SETUP AND INSTALLATION

Pre-Installation Checks

- Verify that the new sprocket matches the specifications of your vehicle and the existing chain.
- Inspect the chain for wear, stretching, or damage. It is recommended to replace the chain and both sprockets simultaneously for optimal performance and lifespan.
- Check the condition of the wheel hub and mounting bolts. Replace any worn or damaged components.

Tools Required (Typical)

- Socket wrench set
- Torque wrench
- Sprocket holding tool (recommended)
- Appropriate lubricants and cleaning supplies

Installation Steps (General)

1. Elevate the rear wheel of the motorcycle and secure it.
2. Remove the rear wheel according to your vehicle's service manual.
3. Carefully remove the old rear sprocket by unbolting it from the wheel hub.
4. Clean the wheel hub mounting surface thoroughly.
5. Position the new JT Sprockets JTR809.49 onto the wheel hub, ensuring proper alignment with the mounting holes.
6. Install the sprocket bolts and tighten them to the manufacturer's specified torque settings using a torque wrench. Tighten in a star pattern to ensure even seating.
7. Reinstall the rear wheel, ensuring proper chain alignment and tension as per your vehicle's service manual.
8. Perform a final check of all fasteners and adjustments before operating the vehicle.

OPERATION CONSIDERATIONS

After installation, proper operation involves maintaining the entire drive system. The sprocket itself is a passive component, but its performance is directly linked to the condition of the chain and front sprocket.

- **Chain Tension:** Always maintain correct chain tension as specified by your vehicle manufacturer. Incorrect tension can lead to premature wear of the sprocket, chain, and other drivetrain components.
- **Chain Alignment:** Ensure the chain is perfectly aligned between the front and rear sprockets. Misalignment causes uneven wear and reduces component lifespan.

- **Break-in Period:** A short break-in period (approximately 100-200 miles) is recommended for new sprockets and chains. Avoid aggressive acceleration and deceleration during this time.

MAINTENANCE

Regular maintenance is crucial for extending the life of your JT Sprockets JTR809.49 and the entire drivetrain.

Inspection

- Inspect the sprocket teeth regularly for signs of wear, such as hooking, sharpening, or bending.
- Check for any cracks or damage to the sprocket body.
- Examine the chain for tight spots, rust, or excessive slack.
- Perform these checks every 500-1000 miles or as recommended by your vehicle's service manual.

Cleaning and Lubrication

- Clean the sprocket and chain regularly using a suitable chain cleaner to remove dirt, grime, and old lubricant.
- After cleaning, apply a high-quality chain lubricant evenly to the chain rollers and side plates. Avoid over-lubricating.

Replacement

Sprockets are wear items and will eventually need replacement. Replace the sprocket when teeth show significant wear, hooking, or when replacing the chain. It is best practice to replace both sprockets and the chain as a set.

TROUBLESHOOTING

Symptom	Possible Cause	Solution
Excessive noise from drivetrain	Worn sprocket/chain, incorrect chain tension, lack of lubrication, misalignment.	Inspect for wear, adjust chain tension, clean and lubricate chain, check alignment. Replace components if necessary.
Premature sprocket wear	Incorrect chain tension, misalignment, worn chain, lack of lubrication, improper installation.	Ensure proper chain tension and alignment. Replace chain and sprockets as a set. Maintain regular cleaning and lubrication.
Chain skipping or jumping	Severely worn sprocket teeth, stretched chain.	Immediately replace the chain and both sprockets. This is a safety critical issue.

SPECIFICATIONS

- **Model:** JTR809.49
- **Number of Teeth:** 49
- **Material:** C49 High Carbon Steel
- **Finish:** Heat treated and hand finished
- **Dimensions:** Approximately 1.7 x 1.7 x 0.5 inches

- **Weight:** Approximately 0.01 ounces
- **Manufacturer:** JT Sprockets

Note: Dimensions and weight provided are based on available product data and may refer to packaging or internal component weight rather than the exact sprocket.

WARRANTY INFORMATION

JT Sprockets products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the official JT Sprockets website or contact their customer support directly. Keep your proof of purchase for any warranty claims.

CUSTOMER SUPPORT

If you have any questions regarding the installation, operation, or maintenance of your JT Sprockets JTR809.49, please visit the official JT Sprockets website or contact their customer service department for assistance.

Website: www.jtsrockets.com (Example link, actual link may vary)