

## JT JTR810.41

# JT Sprockets JTR810.41 41T Steel Rear Sprocket Instruction Manual

Model: JTR810.41 | Brand: JT Sprockets

## 1. PRODUCT OVERVIEW

The JT Sprockets JTR810.41 is a 41-tooth steel rear sprocket designed for powersports applications. Manufactured from C49 High Carbon steel, this sprocket is engineered for maximum durability and performance. Each unit undergoes rigorous quality control checks to ensure it meets or exceeds industry standards for precision and longevity.



Image 1.1: JT Sprockets JTR810.41 41T Steel Rear Sprocket. This image displays the rear sprocket, highlighting its tooth count and material finish.

## 2. WHAT'S IN THE BOX

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Upon opening the package, you should find the following item:

- One (1) JT Sprockets JTR810.41 41T Steel Rear Sprocket

## 3. KEY FEATURES

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- Constructed from C49 high carbon steel for enhanced durability.
- Precision machined for optimal fit and performance.
- Heat-treated and hand-finished to meet stringent quality standards.
- Designed for powersports applications requiring a 41-tooth rear sprocket.

## 4. SETUP AND INSTALLATION

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**Important Safety Notice:** Installation of drivetrain components requires specialized tools and knowledge. Incorrect installation can lead to serious injury or damage to your vehicle. It is highly recommended that installation

be performed by a qualified professional.

1. **Preparation:** Ensure the vehicle is securely supported on a stand. Remove the rear wheel according to your vehicle's service manual.
2. **Old Sprocket Removal:** Carefully remove the bolts securing the old rear sprocket to the wheel hub. Discard the old sprocket and any worn hardware.
3. **Inspection:** Inspect the wheel hub, chain, and front sprocket for wear or damage. Replace any worn components before installing the new sprocket.
4. **New Sprocket Installation:** Position the new JT Sprockets JTR810.41 onto the wheel hub, ensuring proper alignment. Use new, appropriate hardware (bolts, nuts, washers) and tighten them to the torque specifications provided in your vehicle's service manual. Apply thread-locking compound if recommended.
5. **Reassembly:** Reinstall the rear wheel, ensuring the chain is correctly routed over both sprockets. Adjust chain tension to the manufacturer's specifications.
6. **Final Check:** Before operating the vehicle, double-check all fasteners for proper torque and ensure the chain tension and alignment are correct. Rotate the wheel by hand to confirm smooth operation and no binding.

## 5. OPERATING CONSIDERATIONS

Once installed, the JT Sprockets JTR810.41 operates as part of your vehicle's drivetrain. Proper operation relies on maintaining the entire chain and sprocket system.

- **Chain Tension:** Always maintain correct chain tension as specified by your vehicle manufacturer. Incorrect tension can lead to premature wear of the sprocket and chain, or even chain derailment.
- **Lubrication:** Regularly lubricate your drive chain with a suitable chain lubricant to reduce friction and wear on both the chain and sprockets.
- **Smooth Operation:** Avoid sudden, harsh acceleration or braking that can put excessive stress on the drivetrain components.

## 6. MAINTENANCE

Regular maintenance is crucial for extending the life of your JT Sprockets JTR810.41 and ensuring safe operation.

- **Routine Inspection:** Periodically inspect the sprocket teeth for signs of wear, such as hooking, thinning, or bending. Also check for cracks or damage.
- **Cleaning:** Keep the sprocket and chain clean from dirt, grime, and old lubricant buildup. Use a suitable chain cleaner and brush.
- **Chain Condition:** Always inspect the drive chain for tight links, rust, or excessive stretch. A worn chain will accelerate sprocket wear. It is recommended to replace the front sprocket, rear sprocket, and chain as a set for optimal performance and longevity.
- **Fastener Torque:** Occasionally check the torque of the sprocket mounting bolts to ensure they remain secure.

## 7. TROUBLESHOOTING

This section addresses common issues that may arise with sprockets and their associated drivetrain components.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
<b>Excessive Sprocket Wear</b>	Worn chain, improper chain tension, lack of lubrication, misaligned wheel/sprocket.	Replace chain and both sprockets as a set. Adjust chain tension. Lubricate chain regularly. Check wheel and sprocket alignment.
<b>Chain Skipping/Derailment</b>	Worn sprocket teeth, stretched chain, incorrect chain tension, misaligned wheel.	Inspect and replace worn components. Adjust chain tension. Verify wheel and sprocket alignment.
<b>Unusual Noise from Drivetrain</b>	Dry chain, worn components, incorrect chain tension, foreign object.	Clean and lubricate chain. Inspect sprockets and chain for wear. Adjust chain tension. Remove any debris.

If you encounter issues not listed here or are unable to resolve a problem, consult a qualified mechanic or contact JT Sprockets customer support.

## 8. SPECIFICATIONS

Attribute	Detail
Brand	JT
Model Number	JTR810.41
Number of Teeth	41
Material	C49 High Carbon Steel
Item Weight	1.3 pounds (approx. 0.59 kg)
Product Dimensions	1.11 x 1.1 x 0.5 inches (approx. 2.82 x 2.79 x 1.27 cm)
Exterior Finish	Painted
Manufacturer Part Number	JTR810.41
ASIN	B0068O5URA
Date First Available	January 3, 2012

## 9. WARRANTY AND SUPPORT

For specific warranty information regarding your JT Sprockets JTR810.41, please refer to the documentation included with your purchase or visit the official JT Sprockets website. Warranty terms typically cover manufacturing defects.

If you require technical assistance, have questions about installation, or need to report a product issue, please contact JT Sprockets customer support directly through their official channels.