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› Sunstar Front Sprocket 520-14T User Manual

Sunstar 361-14

Sunstar Front Sprocket 520-14T User Manual

Model: 361-14

1. INTRODUCTION AND PRODUCT OVERVIEW

This manual provides essential information for the installation, maintenance, and general care of your Sunstar 520-14T Front Sprocket, Model 361-14. This high-quality front sprocket is designed for specific motorcycle models to ensure optimal power transfer and durability within the drivetrain system.

Product Compatibility:

- Honda XR250 / BAJA (95 -)
- Honda XR250Motard
- Honda CBR250R (10 -)
- Honda AX-1
- Honda DEGREE



Figure 1.1: The Sunstar 520-14T Front Sprocket, a key component of the motorcycle's drive train, featuring 14 teeth and designed for 520 chain pitch.

2. SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your sprocket and the entire drivetrain. It is highly recommended that installation be performed by a qualified motorcycle mechanic.

2.1 Safety Precautions

- Always wear appropriate personal protective equipment (PPE), including gloves and eye protection.
- Ensure the motorcycle is stable and securely supported on a stand before beginning work.
- Allow the engine and exhaust to cool completely before handling components.

2.2 Required Tools (Typical)

- Socket wrench set
- Torque wrench
- Chain breaker/riveter (if replacing chain)
- Retaining clip pliers (if applicable)
- Cleaning supplies (degreaser, brushes)

2.3 Installation Steps (General Guide)

1. **Preparation:** Remove the chain guard and any other components obstructing access to the front sprocket.
2. **Chain Removal:** Loosen the rear axle nut and push the wheel forward to create slack in the chain. Remove the chain from the front sprocket. If replacing the chain, use a chain breaker to remove the old chain.
3. **Old Sprocket Removal:** Remove the retaining clip or bolts securing the old front sprocket. Carefully slide the old sprocket off the output shaft.
4. **Inspection and Cleaning:** Inspect the output shaft for wear or damage. Clean any debris or old grease from the shaft and surrounding area.
5. **New Sprocket Installation:** Slide the new Sunstar 520-14T sprocket onto the output shaft, ensuring it is correctly oriented (if directional). Secure it with the retaining clip or bolts, applying thread locker if specified by the motorcycle manufacturer.
6. **Torque Specifications:** Tighten the sprocket retaining bolts/nut to the torque specifications provided in your motorcycle's service manual. **Do not overtighten.**
7. **Chain Reinstallation:** Reinstall the chain onto the new front sprocket and rear sprocket. Adjust chain tension according to your motorcycle's service manual.
8. **Final Checks:** Rotate the wheel manually to ensure smooth operation and proper chain alignment. Reinstall all removed components, including the chain guard.

3. OPERATING CONSIDERATIONS

While a sprocket itself does not have

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