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> PADGZQGRZ CF Front Right Lower Swing Arm Instruction Manual for CForce CF Moto ATVs

PADGZQGRZ PADGZQGRZ258

PADGZQGRZ CF Front Right Lower Swing Arm Instruction Manual

Model: PADGZQGRZ258

1. INTRODUCTION

This instruction manual provides essential information for the proper installation, maintenance, and care of your PADGZQGRZ CF Front Right Lower Swing Arm. This component is designed for specific CForce CF Moto ATV and Quad models. Please read this manual thoroughly before attempting any installation or maintenance procedures to ensure safety and optimal performance.

2. PRODUCT OVERVIEW

The PADGZQGRZ CF Front Right Lower Swing Arm is a critical suspension component for your ATV/Quad. It connects the wheel hub to the chassis, allowing for vertical movement of the wheel while maintaining proper alignment. This part is manufactured to ensure durability and strong impact resistance, contributing to the overall stability and handling of your vehicle.

Compatibility:

- CForce CF Moto 520
- CForce CF Moto X5
- CForce CF Moto X6
- CForce CF Moto 625
- CForce CF Moto 500
- CForce CF Moto 600 Quad

Part Numbers: 9010-050100-20000, 9DSV-050410-6K01

3. SAFETY INFORMATION

Always prioritize safety when working on your vehicle. Improper installation can lead to serious injury or damage to the vehicle.

- **Professional Installation Recommended:** Due to the critical nature of this component, installation by a

qualified professional mechanic is strongly recommended.

- **Wear Protective Gear:** Always wear appropriate personal protective equipment, including safety glasses and gloves, during installation.
- **Secure Vehicle:** Ensure the ATV/Quad is securely supported on jack stands on a level surface before beginning any work. Never rely solely on a jack.
- **Refer to Vehicle Service Manual:** Consult your ATV/Quad's official service manual for specific torque specifications and detailed removal/installation procedures for suspension components.
- **Inspect Components:** Before installation, inspect all components for any signs of damage or manufacturing defects. Do not install damaged parts.

4. PACKAGE CONTENTS

Verify that all items are present and undamaged upon opening the package:

- 1 x PADGZQGRZ CF Front Right Lower Swing Arm
- Associated Bushings and Washers (pre-installed or separate, as pictured)
- Ball Joint (pre-installed or separate, as pictured)



Figure 4.1: Front Right Lower Swing Arm with included components.

5. SETUP AND INSTALLATION

The following steps are general guidelines. Always refer to your specific ATV/Quad service manual for detailed, model-specific instructions and torque specifications.

1. **Prepare Vehicle:** Park the ATV/Quad on a level, firm surface. Engage the parking brake. Loosen the lug nuts on the front right wheel.
2. **Lift and Secure:** Use a floor jack to lift the front right side of the ATV/Quad. Place jack stands securely under the frame to support the vehicle. Remove the wheel.
3. **Remove Old Swing Arm:**
 - Carefully disconnect the brake line and any sensor wires from the old swing arm, if applicable.
 - Remove the cotter pin and castle nut from the ball joint stud. Use a ball joint separator tool to detach the ball joint from the steering knuckle.
 - Remove the bolts securing the inner pivot points of the swing arm to the chassis.
 - Carefully remove the old swing arm from the vehicle.
4. **Install New Swing Arm:**
 - Position the new PADGZQGRZ swing arm into place. Align the inner pivot points with the chassis mounting brackets.
 - Insert the pivot bolts and hand-tighten them. Do not fully tighten at this stage.
 - Insert the ball joint stud into the steering knuckle. Install the castle nut and tighten to the manufacturer's specified torque. Install a new cotter pin.
 - Reconnect any brake lines or sensor wires that were detached.
5. **Final Tightening:** With the vehicle's weight on the suspension (or at ride height), fully tighten the inner pivot bolts to the manufacturer's specified torque. This prevents premature bushing wear.
6. **Reinstall Wheel and Test:** Reinstall the wheel and tighten lug nuts to specification. Lower the vehicle. Perform a thorough visual inspection and a slow test drive to ensure proper function and no unusual noises.



Figure 5.1: View of the swing arm's mounting points and ball joint.



Figure 5.2: Top-down perspective of the swing arm, highlighting its structural design.

6. MAINTENANCE

Regular inspection and maintenance will extend the life of your swing arm and ensure safe operation.

- **Visual Inspection:** Periodically inspect the swing arm for any signs of bending, cracks, or corrosion. Check the condition of the bushings and ball joint for wear, tears, or excessive play.
- **Fastener Torque:** Check the torque of all mounting bolts and nuts at recommended service intervals or after severe off-road use. Refer to your ATV/Quad service manual for specific torque values.
- **Cleaning:** Keep the swing arm and surrounding suspension components clean from dirt, mud, and debris, which can accelerate wear.
- **Lubrication:** If the ball joint or bushings are equipped with grease fittings, lubricate them according to your ATV/Quad's service manual recommendations.

7. TROUBLESHOOTING

If you experience issues after installation, consider the following:

- **Unusual Noises (Clunking/Squeaking):** This often indicates loose fasteners, worn bushings, or a faulty ball joint. Re-check all torque specifications and inspect components for play.

- **Poor Handling/Alignment Issues:** Incorrect installation, improper torque on pivot bolts, or damaged components can affect vehicle alignment and handling. A professional alignment may be necessary after suspension work.
- **Vibration:** While less common for a swing arm, vibrations can sometimes be linked to loose suspension components. Ensure all parts are securely fastened.

If troubleshooting steps do not resolve the issue, consult a qualified mechanic.

8. SPECIFICATIONS

Model Number	PADGZQGRZ258
Part Numbers	9010-050100-20000, 9DSV-050410-6K01
Compatibility	CForce CF Moto 520, X5, X6, 625, 500, 600 Quad ATV
Item Weight	1.76 ounces (approximately 50 grams)
Package Dimensions	1.18 x 0.79 x 0.39 inches (approximately 3 x 2 x 1 cm)
Manufacturer	PADGZQGRZ

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your PADGZQGRZ CF Front Right Lower Swing Arm, please contact the retailer or manufacturer directly. Keep your purchase receipt as proof of purchase.