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YAMAHA KODIAK, GRIZZLY

Yamaha Kodiak & Grizzly ATV Repair and Service Guide

Comprehensive Maintenance and Repair Instructions for 1993-2005 Models

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1. INTRODUCTION TO YOUR REPAIR MANUAL

This guide provides an overview of the essential information contained within the Yamaha Kodiak & Grizzly ATV Repair and Service Manual. It is designed to assist owners and technicians in understanding, maintaining, and repairing their Yamaha Kodiak and Grizzly ATVs manufactured between 1993 and 2005. The manual covers various engine sizes including 386cc, 401cc, 421cc, 595cc, and 660cc models, encompassing both 2-wheel and 4-wheel drive configurations.

The comprehensive instructions, accompanied by detailed illustrations and photographs, aim to empower users to perform tasks ranging from routine maintenance to complex engine overhauls. Adhering to the procedures outlined in the full manual will help ensure the longevity, safety, and optimal performance of your ATV.

YAMAHA

Kodiak and Grizzly ATVs
2-wheel drive and 4-wheel drive

1993 to 2005

386cc □ 401cc □ 421cc □ 595cc □ 660cc



Owners Workshop Manual

2567



Figure 1.1: Front cover of the Yamaha Kodiak & Grizzly ATV Repair and Service Manual. This manual provides detailed instructions for various maintenance and repair tasks.

2. SAFETY INFORMATION

Always prioritize safety when performing any maintenance or repair work on your ATV. Failure to follow proper safety procedures can result in serious injury or damage to the vehicle. Refer to the full manual for a complete list of safety warnings and precautions.

- **Read the Manual:** Before starting any procedure, thoroughly read and understand the relevant sections of the repair manual.
- **Personal Protective Equipment (PPE):** Always wear appropriate safety gear, including safety glasses, gloves, and sturdy footwear.
- **Work Area:** Ensure your work area is well-lit, ventilated, and free from hazards.
- **Vehicle Stability:** Secure the ATV on a level surface using appropriate stands or jacks to prevent accidental movement.
- **Engine Off:** Always turn off the engine and allow it to cool before working on any components, especially the exhaust system. Disconnect the battery when working on electrical systems.
- **Flammable Materials:** Keep open flames, sparks, and smoking materials away from fuel and other flammable liquids.

3. PRE-OPERATION CHECKS AND SETUP

Before operating or performing any significant work on your Yamaha ATV, it is crucial to conduct pre-operation checks. These checks ensure the vehicle is in safe working condition and can prevent potential issues.

3.1 Fluid Levels

- **Engine Oil:** Check oil level using the dipstick. Add recommended oil if necessary.
- **Coolant:** Verify coolant level in the reservoir.
- **Brake Fluid:** Inspect brake fluid levels in the master cylinders.

3.2 Tire Pressure

Check tire pressure on all four tires. Ensure they match the manufacturer's specifications for optimal handling and safety.

3.3 Controls and Lighting

Test brake levers, throttle, and steering for proper function. Verify that headlights, taillights, and brake lights are operational.

4. GENERAL OPERATING PRINCIPLES

While this manual focuses on repair, understanding basic operating principles is fundamental for proper vehicle care. Always operate your ATV responsibly and in accordance with local laws and regulations.

- **Starting the Engine:** Follow the specific starting procedure for your model, typically involving the ignition key, choke (if applicable), and starter button.
- **Shifting Gears:** Understand the gear patterns for your specific transmission (manual or automatic) and shift smoothly.
- **Braking:** Utilize both front and rear brakes for effective stopping. Practice braking in a safe area.
- **Terrain Awareness:** Adapt your riding style to the terrain. Avoid excessive speeds and sudden maneuvers on uneven surfaces.

5. MAINTENANCE AND SERVICE PROCEDURES

Regular servicing and maintenance are critical for extending the life of your Yamaha ATV, maintaining its performance, and ensuring safe operation. The full manual provides detailed, step-by-step instructions for all procedures.

5.1 Tune-up and Routine Maintenance

This section covers scheduled maintenance tasks such as oil changes, air filter cleaning/replacement, spark plug inspection, and general lubrication points. Adhere to the recommended service intervals.

5.2 Engine, Clutch, and Transmission

Detailed procedures for engine diagnostics, removal, disassembly, inspection, and reassembly. Includes information on clutch adjustment, inspection, and transmission component servicing. This section is vital for addressing power delivery issues.

5.3 Cooling System

Instructions for checking coolant levels, flushing the system, inspecting the radiator, water pump, and hoses. Proper cooling system maintenance prevents overheating and engine damage.

5.4 Fuel and Exhaust Systems

Covers fuel tank inspection, fuel line replacement, carburetor cleaning/adjustment (for carbureted models), fuel injector maintenance (if applicable), and exhaust system inspection for leaks or damage.

5.5 Ignition System

Guidance on spark plug inspection and replacement, ignition coil testing, and troubleshooting common ignition problems to ensure reliable starting and engine performance.

5.6 Steering, Suspension, and Final Drive

Procedures for inspecting and adjusting steering components, servicing shock absorbers, checking suspension linkages, and maintaining the final drive system (e.g., drive shaft, differential, axles).

5.7 Brakes, Wheels, and Tires

Instructions for brake pad replacement, brake fluid bleeding, caliper maintenance, wheel bearing inspection, and tire inspection/replacement. Critical for safe operation.

5.8 Frame and Bodywork

Guidance on inspecting the ATV frame for damage, repairing or replacing body panels, and maintaining structural integrity.

5.9 Electrical System

Covers battery maintenance, charging system checks, starter motor servicing, and troubleshooting electrical faults. Includes component testing procedures.

5.10 Wiring Diagrams

The manual includes comprehensive wiring diagrams to assist in diagnosing and repairing electrical issues. These diagrams illustrate the connections and routing of all electrical components.

6. TROUBLESHOOTING COMMON ISSUES

This section provides a general approach to diagnosing common ATV problems. For detailed diagnostic charts and specific repair steps, always consult the full repair manual.

- **Engine Won't Start:** Check fuel supply, spark plugs, battery charge, and ignition system.
- **Loss of Power:** Investigate fuel delivery, air filter condition, engine compression, and clutch operation.
- **Overheating:** Inspect coolant level, radiator, fan operation, and thermostat.

- **Brake Malfunction:** Check fluid levels, brake pads, and hydraulic lines for leaks.
- **Electrical Problems:** Verify battery connections, fuses, and wiring integrity using the wiring diagrams.

7. PRODUCT SPECIFICATIONS

This repair manual covers the following Yamaha ATV models and specifications:

- **Models Covered:** Yamaha Kodiak and Yamaha Grizzly ATVs
- **Engine Displacements:** 386cc, 401cc, 421cc, 595cc, 660cc
- **Years Covered:** 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005
- **Drive Types:** 2-wheel drive and 4-wheel drive configurations
- **Publisher:** HAYNES
- **Language:** English