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› [SUZUKI ATV REPAIR SHOP & SERVICE MANUAL For LT-4WD, LTF4WDX & LT-F250 Years 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997 & 1998 - NEW, 480 Pages](#)

### Suzuki LT-4WD, LTF4WDX, LT-F250



# SUZUKI ATV Repair & Service Manual

For LT-4WD, LTF4WDX & LT-F250 Models (1987-1998)

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## OVERVIEW

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This manual provides comprehensive repair and service information for Suzuki LT-4WD Quad Runner, LT-F4WDX King Quad, and LT-F250 Quad Runner ATV models manufactured between 1987 and 1998. It is designed for the do-it-yourself enthusiast, covering everything from basic maintenance to complete overhauls.

# CLYMER<sup>®</sup> MANUALS

M483-2



# SUZUKI

**LT-4WD, LT-F4WDX & LT-F250 • 1987-1998**

**MAINTENANCE • TROUBLESHOOTING • REPAIR**

A Penton Business Media Publication

Image: Front cover of the Clymer Suzuki ATV Repair & Service Manual. The cover features a blue Suzuki ATV parked in a natural setting with green foliage and orange trees in the background. The manual title "CLYMER MANUALS" is prominently displayed at the top, along with "SUZUKI LT-4WD, LT-F4WDX & LT-F250 1987-1998" and keywords like "MAINTENANCE • TROUBLESHOOTING • REPAIR" at the bottom.

The manual contains 480 pages of detailed instructions, diagrams, and illustrations to assist in the repair and maintenance of your Suzuki ATV.

## GENERAL INFORMATION

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This section provides foundational knowledge necessary before undertaking any repair or maintenance tasks. It includes safety precautions, general workshop practices, and an introduction to the ATV's systems.

Key topics covered:

- Safety guidelines and warnings.
- Tool requirements and proper usage.
- Understanding vehicle identification numbers (VIN) and model designations.
- Basic principles of ATV operation relevant to repair.

## SETUP AND PREPARATION

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Before beginning any repair or maintenance procedure, proper setup and preparation are crucial for safety and efficiency. This includes:

- Securing the ATV on a level surface.
- Disconnecting the battery to prevent accidental starting or electrical shorts.
- Ensuring adequate ventilation if working with fuels or solvents.
- Gathering all necessary tools and replacement parts as specified in the relevant chapter.
- Reviewing the specific chapter for the task to understand the full procedure.

## OPERATING THE MANUAL FOR REPAIRS

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This manual is structured to guide you through various repair and maintenance procedures. Each chapter focuses on a specific system or component of the ATV. To effectively use this manual:

- Identify the specific issue or task you need to address.
- Locate the corresponding chapter using the chapter titles provided below.
- Read through the entire procedure before starting any work.
- Pay close attention to warnings, cautions, and notes within each section.
- Refer to the wiring diagrams and quick reference data as needed.

## MAINTENANCE AND TUNE-UP

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Regular maintenance is essential for the longevity and optimal performance of your Suzuki ATV. This chapter details routine service intervals and procedures, including:

- Oil and filter changes.
- Spark plug inspection and replacement.
- Air filter cleaning and replacement.
- Brake system inspection and adjustment.
- Tire pressure and wear checks.
- Lubrication points and procedures.
- Valve clearance inspection and adjustment.

## TROUBLESHOOTING

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This section provides a systematic approach to diagnosing common problems encountered with Suzuki ATVs. It includes

flowcharts and diagnostic tables to help identify the root cause of issues related to:

- Engine starting difficulties.
- Poor engine performance.
- Electrical system malfunctions.
- Brake system issues.
- Suspension and steering problems.
- Transmission and clutch irregularities.

Always begin troubleshooting by checking the simplest possible causes before proceeding to more complex diagnostics.

## DETAILED REPAIR CHAPTERS

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The manual is organized into specific chapters for detailed repair procedures:

- **Engine Top End:** Covers cylinder head, valves, camshaft, and piston assembly.
- **Engine Lower End:** Details crankshaft, connecting rod, and engine case components.
- **Clutch:** Instructions for inspection, adjustment, and replacement of clutch components.
- **Transmission and Shift Mechanism:** Procedures for servicing the gearbox and shifting system.
- **Fuel and Exhaust Systems:** Maintenance and repair of carburetor, fuel pump, fuel lines, and exhaust components.
- **Electrical System:** Comprehensive guide to wiring, ignition, charging, and lighting systems.
- **Front Suspension and Steering:** Service procedures for front forks, shocks, handlebars, and steering linkage.
- **Front Drive Mechanism Four-Wheel Drive:** Specific instructions for 4WD system components.
- **Rear Suspension, Rear Axle and Final Drive:** Details on rear shocks, swingarm, axle, and differential.
- **Brakes:** Complete guide to front and rear brake systems, including calipers, master cylinders, and lines.
- **Body:** Removal and installation of body panels, fenders, and other exterior components.

## WIRING DIAGRAMS

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Detailed wiring diagrams are included to assist in diagnosing and repairing electrical issues. These diagrams provide visual representations of the electrical circuits, component locations, and wire color codes for all covered models.

## SPECIFICATIONS

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This section provides technical specifications for the Suzuki LT-4WD, LTF4WDX, and LT-F250 models, including:

- Engine displacement and type.
- Torque specifications for various fasteners.
- Fluid capacities and recommended types (e.g., engine oil, transmission fluid).
- Tire sizes and recommended pressures.
- Electrical system specifications (e.g., battery type, fuse ratings).
- Dimensions and weight (where applicable).

Refer to these specifications for accurate measurements and proper component installation.

