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## Suzuki ATV 1983-1985

# Suzuki ATVs Owners Workshop Manual

For 3 & 4-Wheelers, 2 & 4-Stroke Engines (1983-1985)

## 1. INTRODUCTION

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This manual provides detailed service and repair information for Suzuki 3 and 4-wheel All-Terrain Vehicles (ATVs) equipped with 2-stroke and 4-stroke engines, manufactured between 1983 and 1985. It is designed to assist owners and service technicians in performing routine maintenance, troubleshooting common issues, and executing more complex repairs. Adherence to the procedures outlined herein will help ensure the safe and reliable operation of your ATV.

## 2. SAFETY INFORMATION

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Always prioritize safety when operating or servicing your ATV. Failure to follow safety precautions can result in serious injury or death. Read and understand all instructions before beginning any procedure.

- **Wear appropriate safety gear:** Always wear a helmet, eye protection, gloves, long pants, and sturdy boots when operating an ATV.
- **Read the ATV owner's manual:** Familiarize yourself with the specific controls and operating characteristics of your model.
- **Work in a well-ventilated area:** Engine exhaust contains carbon monoxide, which is a dangerous gas.
- **Disconnect the battery:** Before performing any electrical work or major engine service, disconnect the negative battery cable.
- **Use proper tools:** Employ the correct tools for each task to prevent damage to components and ensure personal safety.
- **Secure the ATV:** When working underneath the ATV, ensure it is properly supported on a stable stand or jack.

## 3. GENERAL INFORMATION

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### 3.1 Vehicle Identification Number (VIN)

The VIN is a unique identifier for your ATV. It is typically stamped on the frame, usually near the front left wheel or on the steering head. Refer to your specific ATV model's owner's manual for the exact location.

## 3.2 Engine Number

The engine number is usually located on the crankcase. Its exact position may vary by engine type (2-stroke or 4-stroke) and model year. This number is crucial for ordering correct replacement parts.

## 4. PRE-RIDE SETUP AND INSPECTION

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Before each ride, a thorough inspection of your ATV is recommended to ensure safe operation. This section outlines key checks.

- **Tire Pressure:** Check tire pressure before each ride. Refer to the ATV's tire sidewall or owner's manual for recommended pressures.
- **Fluid Levels:** Verify engine oil, coolant (if liquid-cooled), and brake fluid levels are within the specified ranges.
- **Brake Function:** Test front and rear brakes for proper operation and feel. Ensure levers and pedals return freely.
- **Throttle Operation:** Confirm the throttle operates smoothly and returns to the idle position when released.
- **Lights and Horn:** Check headlights, taillights, brake lights, and the horn for proper function.
- **Chain/Drive Shaft:** Inspect the drive chain for proper tension and lubrication, or check the drive shaft for any signs of damage.

## 5. OPERATING INSTRUCTIONS

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This section provides general guidance on starting, operating, and stopping your Suzuki ATV. Always consult your specific ATV's owner's manual for detailed operating procedures.

### 5.1 Starting the Engine

1. Ensure the transmission is in neutral.
2. Turn the fuel petcock to the 'ON' position.
3. If the engine is cold, pull the choke lever to the 'ON' position.
4. Turn the ignition key to 'ON' and press the starter button. For kick-start models, use the kick-starter firmly.
5. Once the engine starts, gradually push the choke lever to 'OFF' as the engine warms up.

### 5.2 Shifting Gears

For manual transmission models, depress the clutch lever (if equipped) and shift into first gear. Release the clutch smoothly while applying throttle. For automatic or semi-automatic models, refer to your specific ATV's manual.

### 5.3 Braking and Stopping

Apply both front and rear brakes simultaneously for effective stopping. Reduce throttle completely before applying brakes. To stop the engine, turn the ignition key to 'OFF' or use the engine stop switch.

## 6. MAINTENANCE

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Regular maintenance is essential for the longevity and performance of your ATV. This section outlines key maintenance tasks and their recommended intervals.

### 6.1 Scheduled Maintenance Intervals

Item	Interval	Action
Engine Oil (4-stroke)	Every 20 hours or 3 months	Change
Air Filter	Every 10 hours or monthly	Clean/Inspect
Spark Plug	Every 50 hours or 6 months	Inspect/Replace
Drive Chain/Shaft	Every 10 hours or monthly	Inspect/Lubricate
Brake System	Every 20 hours or 3 months	Inspect/Adjust

## 6.2 Oil Change Procedure (4-Stroke Engines)

1. Warm up the engine for a few minutes, then turn it off.
2. Place a drain pan beneath the engine.
3. Remove the oil drain plug and allow the oil to drain completely.
4. Replace the drain plug with a new washer and tighten to specification.
5. Remove the oil filler cap and pour in the recommended type and quantity of new engine oil.
6. Check the oil level using the dipstick or sight glass.

## 7. TROUBLESHOOTING

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This section provides solutions to common operational issues you might encounter with your ATV.

### 7.1 Engine Will Not Start

- **No Fuel:** Check fuel tank level and ensure the petcock is in the 'ON' position.
- **Spark Plug:** Inspect the spark plug for fouling or damage. Clean or replace as necessary.
- **Battery:** Ensure the battery is charged and terminals are clean and tight.
- **Kill Switch:** Verify the engine kill switch is in the 'RUN' position.

### 7.2 Poor Engine Performance

- **Air Filter:** A clogged air filter can restrict airflow. Clean or replace.
- **Fuel System:** Check for clogged fuel lines or a dirty carburetor.
- **Spark Plug:** An old or incorrect spark plug can cause misfires.

## 8. SPECIFICATIONS

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The following are general specifications for Suzuki ATVs from the 1983-1985 model years. Specific values may vary by model (e.g., LT125, LT185, LT250R).

Category	Specification
Engine Type	2-stroke or 4-stroke, single cylinder, air-cooled
Displacement Range	125cc - 250cc (approximate)
Fuel System	Carburetor
Transmission	Manual or Semi-automatic
Starting System	Electric and/or Kick-start

Category	Specification
Brakes (Front/Rear)	Drum or Disc
Fuel Tank Capacity	Approx. 2.0 - 3.0 US gallons
Tire Sizes	Varies by model (e.g., Front: 21x7-10, Rear: 22x10-8)

## 9. WARRANTY AND SUPPORT

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This workshop manual focuses on repair and maintenance procedures. Information regarding specific product warranties for Suzuki ATVs from 1983-1985 is not included within this document. For warranty details or official support, please refer to the original owner's manual that came with your ATV or contact an authorized Suzuki dealer.