

# 1986 suzuki rm 125 manual

## 1986 Suzuki RM 125 Manual

The 1986 Suzuki RM 125 is a beloved model among motocross enthusiasts, known for its lightweight design and powerful performance. This bike continues to hold a special place in the hearts of riders who appreciate its blend of agility and power. To maintain optimal performance and safety, it's essential to have access to the appropriate manual. This article will delve into the various aspects of the 1986 Suzuki RM 125 manual, including maintenance, specifications, troubleshooting, and modifications.

## Overview of the 1986 Suzuki RM 125

The 1986 Suzuki RM 125 is part of Suzuki's RM series, which has a storied history in motocross racing. This model features:

- A lightweight aluminum frame
- A highly responsive 125cc two-stroke engine
- Advanced suspension technology for improved handling
- A sleek design that was ahead of its time

The RM 125 was designed to excel on the racetrack, making it a favorite among competitive riders. Understanding the manual is crucial for anyone looking to maintain or restore this iconic bike.

## Specifications

Before diving into the intricacies of the manual, it's essential to familiarize yourself with the key specifications of the 1986 Suzuki RM 125:

### Engine

- Type: 125cc, 2-stroke, single-cylinder
- Bore x Stroke: 54.0 mm x 54.0 mm
- Compression Ratio: 8.6:1
- Carburetor: Mikuni VM32SS
- Ignition: Capacitor discharge ignition (CDI)

### Transmission

- Type: 6-speed constant mesh
- Final Drive: Chain

### Chassis

- Frame: Aluminum twin-spar

- Front Suspension: 43 mm telescopic forks
- Rear Suspension: Monoshock with adjustable preload
- Front Brake: Disc
- Rear Brake: Drum
- Wheel Size: 21 inches (front), 18 inches (rear)

## **Dimensions**

- Overall Length: 2,130 mm
- Overall Width: 830 mm
- Overall Height: 1,250 mm
- Seat Height: 925 mm
- Ground Clearance: 320 mm
- Dry Weight: 85 kg

## **Maintenance Guidelines**

Regular maintenance is essential for keeping the 1986 Suzuki RM 125 running smoothly and efficiently. The manual provides detailed instructions on various maintenance tasks, including:

### **Oil and Fuel**

- Use high-quality two-stroke oil mixed at a ratio of 32:1 with gasoline.
- Regularly check the fuel filter and replace it if clogged.
- Clean the carburetor and check for proper jetting.

### **Air Filter**

- Inspect the air filter regularly for dirt and debris.
- Clean the air filter with a suitable cleaner and allow it to dry completely.
- Re-oil the air filter with foam filter oil before reinstalling.

### **Chain Maintenance**

- Check the chain tension regularly; it should have about 30-50 mm of slack.
- Lubricate the chain after every ride and clean it with a chain cleaner periodically.
- Inspect the sprockets for wear and replace them if necessary.

### **Brake System**

- Regularly check brake fluid levels and top up with the recommended fluid.
- Inspect brake pads and replace them if they are worn.
- Ensure that the brake calipers and drums are functioning correctly.

# Troubleshooting Common Issues

Even with diligent maintenance, issues can arise. The manual offers troubleshooting tips for common problems faced by RM 125 owners. Here are some typical issues and their solutions:

## Starting Problems

- Issue: The bike won't start.
- Solutions:
  - Check the fuel level and ensure the fuel is fresh.
  - Inspect the spark plug for wear and replace if necessary.
  - Ensure the kill switch is in the 'on' position.

## Overheating

- Issue: The bike is overheating during rides.
- Solutions:
  - Check coolant levels and ensure there are no leaks.
  - Inspect the radiator for blockages or damage.
  - Ensure the engine is not running too lean due to improper jetting.

## Loss of Power

- Issue: The bike lacks power during acceleration.
- Solutions:
  - Clean or replace the air filter.
  - Check the carburetor settings and adjust if necessary.
  - Inspect the exhaust for blockages.

## Modifications and Upgrades

Many riders seek to enhance the performance of their 1986 Suzuki RM 125 through various modifications. Below are some popular upgrades:

### Suspension Upgrades

- Upgrade to aftermarket shock absorbers for improved handling and stability.
- Adjust the suspension settings based on rider weight and riding style.

### Exhaust System

- Consider installing a high-performance exhaust system to increase power output.
- Ensure that any new exhaust system is compatible with the existing engine

setup.

## **Carburetor Tuning**

- Upgrade to a larger carburetor for improved airflow and performance.
- Fine-tune the jetting based on the altitude and riding conditions.

## **Weight Reduction**

- Replace heavy components with lightweight alternatives, such as aluminum or carbon fiber parts.
- Remove unnecessary accessories to improve power-to-weight ratio.

## **Conclusion**

The 1986 Suzuki RM 125 remains a classic in the motocross community, celebrated for its performance and agility. Understanding the manual is crucial for maintaining, troubleshooting, and enhancing the bike's capabilities. By following the maintenance guidelines, troubleshooting common issues, and considering thoughtful modifications, riders can ensure that their RM 125 remains a competitive and thrilling machine for years to come. Whether you are a seasoned rider or a beginner, the 1986 Suzuki RM 125 offers a timeless experience that continues to resonate with motocross enthusiasts worldwide.

## **Frequently Asked Questions**

### **Where can I find a service manual for a 1986 Suzuki RM 125?**

You can find a service manual for the 1986 Suzuki RM 125 on various online platforms such as eBay, Amazon, or dedicated motorcycle forums. Additionally, websites like manualslib.com host a range of motorcycle manuals that might include the RM 125.

### **What are common issues to look out for in a 1986 Suzuki RM 125?**

Common issues in the 1986 Suzuki RM 125 include problems with the carburetor, worn-out clutch components, and issues with the suspension. Regular maintenance and thorough inspections can help identify these issues early.

### **What type of oil is recommended for the 1986 Suzuki RM 125?**

For the 1986 Suzuki RM 125, it is recommended to use a high-quality 2-stroke oil specifically designed for racing or high-performance motorcycles. Ensure

that it meets the manufacturer's specifications for optimal performance.

## **How often should I change the air filter on a 1986 Suzuki RM 125?**

It is advisable to check and clean the air filter on your 1986 Suzuki RM 125 every 5-10 hours of riding, especially in dusty conditions. A clean air filter ensures optimal airflow and engine performance.

## **What is the recommended tire pressure for the 1986 Suzuki RM 125?**

The recommended tire pressure for the 1986 Suzuki RM 125 is typically around 12-15 psi for the front tire and 10-12 psi for the rear tire, but you should always check the owner's manual for specific recommendations.

## **Can I use modern parts for repairs on a 1986 Suzuki RM 125?**

Yes, many modern aftermarket parts can be used for repairs on a 1986 Suzuki RM 125. However, ensure compatibility with your model and consider consulting forums or mechanics specializing in vintage motorcycles for the best options.

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