

1986 Suzuki Rm 125 Manual

BUILT TO DO JUST ONE THING. WIN.

In motocross, only one thing counts. Results. And Suzuki leads the way with more World Championships than any one else.

RM80 The new, 1986 RM80 is a full-blown, high-tech racer with advanced big-bike features in a smaller package.

Start with a hot, liquid-cooled, Power Reed engine, flat-top piston, a big carburetor and a tough, six-speed transmission. Together, they produce the high torque and sizzling horsepower that can turn you into a first-place contender.

Laying down this power is a new Full Floater rear suspension with eccentric-cam action for better control. And the air-adjustable front suspension matches the rear with a whopping 10.4 inches of travel. Add in the powerful front disc brake and you've got a combination that knows the fast line to the winner's circle.

RM125 Suzuki has claimed ten straight 125 World Motocross Championships. Look at the new 1986 RM125 and see why.

The RM125's unmatched handling starts with a new, incredibly rigid oval-section frame. Now add in Suzuki's proven Full Floater rear suspension with new eccentric-cam action and an incredible 12.4 inches of wheel travel. There's also a new air-adjustable fork with 8 compression damping adjustments and 11.8 inches of travel.

Fire up the engine and discover more torque, acceleration and top end power than ever. The liquid-cooled Power Reed engine features an automatic exhaust control system to broaden the powerband. Couple this with the RM's flat-top piston design, responsive flat-side carburetor and six-speed transmission and you've got a combination that'll launch you right to the front of the pack.

RM250 Designed as the ultimate competition machine from Novice to Pro, the exciting new 1986 Suzuki RM250 is guaranteed to make the competition take notice.

Take notice of its power, for example. Power that comes from a new, liquid-cooled, reed-valve engine with flat-top piston design and an automatic exhaust control valve for better power all around.

To handle all this power, there's a brand-new frame with rigid, oval-section tubing. In back, we gave our famed Full Floater suspension 12.4 inches of travel and new, eccentric-cam action for a better ride and even more control. And the 11.8 inch-travel air-adjustable forks

feature 8 compression damping adjustments and a smooth, powerful front disc brake.

From the lightning quick RM80 to the world dominating RM125 to the hard charging RM250, Suzuki builds the fastest, best-handling, most technologically-advanced motocrossers in the world. And we build them to do just one thing. To WIN!



The new RM80 is the best performing new motocrosser with the big bike features and feel.

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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1986年4月26日，乌克兰切尔诺贝利核电站4号反应堆在低功率测试期间失控，导致爆炸和火灾，摧毁了反应堆建筑并释放了大量辐射。 ...

切尔诺贝利 - 维基百科

May 18, 2009 · 切尔诺贝利核电站事故是1985年12月19日，苏联乌克兰境内的切尔诺贝利核电站4号反应堆在低功率测试期间失控，导致爆炸和火灾，摧毁了反应堆建筑并释放了大量辐射。 ...

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切尔诺贝利1号反应堆在1949年建成，1954年投入运行。1986年4月26日，该反应堆在低功率测试期间失控，导致爆炸和火灾，摧毁了反应堆建筑并释放了大量辐射。1989年，该反应堆被拆除。 ...

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