

1994 suzuki quadrunner 250 specs

1994 Suzuki Quadrunner 250 Specs: A Detailed Look at a Classic ATV

1994 suzuki quadrunner 250 specs offer a fascinating glimpse into one of the most reliable and versatile ATVs of the early '90s. Whether you're a collector, off-road enthusiast, or simply curious about classic all-terrain vehicles, understanding the technical details and performance attributes of the 1994 Suzuki Quadrunner 250 helps appreciate why it remains a beloved machine. In this article, we'll dive deep into the engine, chassis, transmission, and key features that defined this model, while also exploring its strengths and what made it stand out during its time.

Engine and Performance Characteristics

The heart of the 1994 Suzuki Quadrunner 250 lies in its dependable engine. It is powered by a 246cc, four-stroke, single-cylinder engine that delivers a smooth yet robust performance suitable for both beginners and seasoned riders. The four-stroke design provides better fuel efficiency and cleaner emissions compared to two-stroke engines popular in earlier models, making it more environmentally friendly and economical to run.

Engine Specifications

- **Displacement:** 246cc
- **Type:** Air-cooled, four-stroke, single-cylinder
- **Bore x Stroke:** 70.0 mm x 64.0 mm
- **Compression Ratio:** 9.2:1
- **Fuel System:** Carburetor-based, which was standard for the era, offering simplicity and ease of maintenance
- **Ignition:** CDI (Capacitor Discharge Ignition) for reliable spark and efficient combustion

This setup ensured the Quadrunner 250 provided a dependable powerband with enough torque to handle varied terrains, from muddy trails to rocky paths. The engine's air-cooling system, while less sophisticated than liquid cooling, proved effective in most riding conditions and contributed to the bike's lightweight design.

Transmission and Drivetrain

One of the standout aspects of the 1994 Suzuki Quadrunner 250 specs is its user-friendly transmission system. Featuring a 5-speed manual transmission paired with a reverse gear, it gave riders precise control over their speed and power delivery. This was especially helpful when navigating tricky terrain or hauling loads.

Key Transmission Features

- **Transmission Type:** 5-speed manual with reverse
- **Drive System:** Shaft drive, which is low maintenance compared to chain-driven systems
- **Final Drive:** Shaft-driven rear wheels, enhancing durability and reducing the need for frequent adjustments
- **Clutch:** Wet multi-plate clutch for smooth engagement and extended durability

The shaft-drive mechanism was a significant advantage for the Quadrunner 250, as it reduced the wear and tear commonly associated with chain or belt drives. This made it a preferred choice for riders who wanted a rugged, low-maintenance ATV.

Chassis, Suspension, and Handling

The overall design of the 1994 Suzuki Quadrunner 250 reflected Suzuki's commitment to balance and stability. Its lightweight yet sturdy frame allowed for nimble handling while maintaining enough rigidity to withstand rough off-road conditions.

Frame and Suspension Details

- **Frame:** Steel tubular frame providing strength without excessive weight
- **Front Suspension:** Independent double A-arm suspension with coil-over shocks
- **Rear Suspension:** Swingarm with a single shock absorber
- **Ground Clearance:** Approximately 7.5 inches, suitable for a variety of trail conditions
- **Brakes:** Front and rear drum brakes, which, while not as high-performance as disc brakes, offered reliable stopping power for the ATV's weight and speed

The independent front suspension was a highlight for its time, greatly improving ride comfort and handling over uneven terrain. Combined with the swingarm rear suspension, the Quadrunner 250 delivered a balanced ride that was forgiving on bumpy trails yet responsive and stable.

Dimensions and Weight

When considering the 1994 Suzuki Quadrunner 250 specs, size and weight play key roles in its overall usability and transportability.

- **Overall Length:** About 72.4 inches
- **Overall Width:** Approximately 43.5 inches
- **Seat Height:** Around 31.5 inches, making it accessible for riders of different sizes
- **Wheelbase:** 47.8 inches, contributing to stable handling
- **Dry Weight:** Approximately 330 pounds

These dimensions made the Quadrunner 250 a compact and manageable ATV, ideal for trail riding, farm work, or even light utility tasks. Its relatively low seat height also made it appealing to younger

or less experienced riders looking for a machine they could confidently control.

Fuel Capacity and Efficiency

Fuel economy and tank size are essential considerations for any ATV rider, especially those who venture far from fuel sources.

- **Fuel Tank Capacity:** 3.1 gallons
- **Estimated Fuel Economy:** Around 30-35 miles per gallon, varying based on terrain and riding style

With a decent-sized fuel tank and efficient four-stroke engine, the Quadrunner 250 offered respectable range for day-long excursions. Riders appreciated not having to carry extra fuel for moderate rides, which enhanced the convenience factor.

Additional Features and Practical Considerations

Beyond raw specs, the 1994 Suzuki Quadrunner 250 included several practical features that improved its usability.

Utility and Comfort

- **Cargo Racks:** Front and rear racks for carrying gear, tools, or supplies
- **Tires:** All-terrain tires sized 22x7-10 (front) and 22x10-10 (rear), providing solid traction across various surfaces
- **Instrumentation:** Basic but functional gauges including speedometer and odometer, allowing riders to keep track of speed and distance
- **Electric Start:** Standard on many models, reducing the hassle of kick-starting the engine

These features made the Quadrunner 250 not just a fun ride but also a practical tool for outdoor tasks such as hunting, farming, or trail maintenance.

Maintenance Tips for the 1994 Suzuki Quadrunner 250

Keeping a classic ATV like the 1994 Suzuki Quadrunner 250 in good running shape requires some attention to maintenance, especially as these models age.

- **Regular Oil Changes:** Use high-quality four-stroke engine oil to keep the engine running smoothly and extend its lifespan.
- **Air Filter Cleaning:** Given the air-cooled engine, maintaining a clean air filter is crucial to prevent overheating and ensure efficient combustion.
- **Brake Inspection:** Check drum brakes regularly for wear and adjust as needed to maintain safe

stopping power.

- **Shaft Drive Care:** While low maintenance, it's still important to check the shaft drive for any leaks or damage and ensure proper lubrication.

- **Tire Pressure:** Maintaining correct tire pressure enhances handling and prolongs tire life, especially on rough terrain.

By following these basic guidelines, owners can enjoy the robust performance of their Quadrunner 250 for many years.

Legacy and Continued Popularity

Although the 1994 Suzuki Quadrunner 250 is now considered a vintage model, it holds a special place among ATV enthusiasts. Its blend of reliability, manageable size, and solid specs makes it a sought-after option for collectors and riders who appreciate classic machines. Whether used for recreational riding or light utility work, the 1994 Suzuki Quadrunner 250 specs reveal a machine designed to deliver a well-rounded, enjoyable experience on a wide range of terrains.

Exploring the details of this ATV helps us understand why Suzuki's Quadrunner series earned such a strong reputation and why models like the 1994 Quadrunner 250 continue to be celebrated decades later.

Frequently Asked Questions

What is the engine type of the 1994 Suzuki Quadrunner 250?

The 1994 Suzuki Quadrunner 250 is equipped with a 246cc, 4-stroke, single-cylinder, air-cooled engine.

What is the transmission specification of the 1994 Suzuki Quadrunner 250?

It features a 5-speed manual transmission with a wet multi-plate clutch.

What is the top speed of the 1994 Suzuki Quadrunner 250?

The top speed of the 1994 Suzuki Quadrunner 250 is approximately 45-50 mph (72-80 km/h).

What type of suspension does the 1994 Suzuki Quadrunner 250 have?

The front suspension is an independent double A-arm with coil springs and hydraulic shocks, while the rear suspension is a solid axle with coil springs and hydraulic shocks.

What are the braking specifications on the 1994 Suzuki Quadrunner 250?

It comes with drum brakes on both the front and rear wheels.

What is the fuel tank capacity of the 1994 Suzuki Quadrunner 250?

The fuel tank capacity is approximately 3.5 gallons (13.2 liters).

What is the weight of the 1994 Suzuki Quadrunner 250?

The wet weight of the 1994 Suzuki Quadrunner 250 is about 430 lbs (195 kg).

What type of tires and wheels does the 1994 Suzuki Quadrunner 250 use?

It features 22x7-10 front tires and 22x10-10 rear tires mounted on 10-inch steel wheels.

Additional Resources

1994 Suzuki Quadrunner 250 Specs: A Detailed Examination of Performance and Design

1994 suzuki quadrunner 250 specs mark a pivotal moment in the evolution of Suzuki's all-terrain vehicles (ATVs), blending rugged capability with practical engineering. As one of the prominent models in the mid-90s ATV lineup, the Quadrunner 250 delivered a balance between power, handling, and durability that appealed to both recreational riders and utility users alike. Exploring the technical specifications of this model provides valuable insight into its enduring reputation and relevance in the ATV community.

Engine and Performance Metrics

At the heart of the 1994 Suzuki Quadrunner 250 lies a 246cc air-cooled, four-stroke single-cylinder engine. This powerplant was engineered to provide reliable torque and sufficient horsepower for challenging off-road conditions, making it a versatile choice for trail riding, farming tasks, or light hauling.

The engine's displacement of 246cc was paired with a single overhead camshaft (SOHC) design, which contributed to a smoother power delivery and improved fuel efficiency compared to two-stroke counterparts of the era. The four-stroke configuration also meant reduced emissions and quieter operation, aligning with emerging environmental considerations during the 1990s.

Fuel delivery was managed by a carburetor system, which was standard for ATVs at the time, offering straightforward maintenance and tuning. The Quadrunner's engine produced approximately 18 horsepower, a figure that, while modest by today's standards, was competitive for mid-sized utility

ATVs in 1994.

Transmission and Drivetrain

The 1994 Suzuki Quadrunner 250 featured a 5-speed manual transmission, allowing riders to select appropriate gears for varying terrains and loads. This gearbox was complemented by a manual clutch system, giving the rider precise control over power application.

In terms of drivetrain configuration, the ATV offered selectable 2WD and 4WD modes, enhancing its adaptability. The inclusion of a locking front differential in 4WD mode improved traction on slippery or uneven surfaces, a crucial feature for off-road performance. This drivetrain setup positioned the Quadrunner 250 as a capable machine for both recreational trail riding and practical work scenarios.

Chassis and Suspension

The frame of the 1994 Quadrunner 250 was constructed from tubular steel, designed to provide a solid yet lightweight foundation. This contributed to the vehicle's overall durability while maintaining manageable weight for handling and maneuverability.

Suspension components were tailored to cope with rough terrain. Up front, the model utilized independent double A-arm suspension with coil-over shocks, offering improved ride comfort and stability during cornering. The rear employed a solid axle with a swingarm and coil-over shock absorber, balancing load-bearing capacity with responsiveness.

Ground clearance measured at approximately 7.5 inches, enabling the Quadrunner to traverse obstacles and uneven ground without compromising undercarriage integrity. The wheelbase, around 48 inches, struck a compromise between stability at speed and agility in tight trail conditions.

Braking and Tires

Stopping power was delivered through front and rear drum brakes, a common choice for ATVs of that period. While disc brakes were becoming more prevalent in performance models, the drum brakes on the 1994 Quadrunner provided adequate stopping force for its intended uses, though they required periodic adjustment and maintenance to maintain effectiveness.

Tires were sized at 22 x 7-10 for the front and 22 x 10-10 for the rear, mounted on steel rims. These tire sizes contributed to balanced traction and flotation over soft surfaces such as mud or sand. The tread pattern emphasized versatility, designed for a mix of trail riding and utility work.

Dimensions and Weight

The physical dimensions of the 1994 Suzuki Quadrunner 250 reflected its design philosophy of compactness without sacrificing functionality. With an overall length near 72 inches and a width of

roughly 42 inches, the vehicle was narrow enough for single-track trails yet spacious enough for rider comfort.

The seat height was approximately 32 inches, making it accessible to a wide range of riders, including beginners and those of moderate stature. This accessibility helped the Quadrunner carve out a niche among users seeking a manageable yet capable ATV.

Curb weight hovered around 430 pounds, positioning it within the mid-weight class. This weight balanced ruggedness with ease of handling, particularly important for tight maneuvering on technical trails.

Fuel Capacity and Efficiency

Fuel capacity was set at about 2.4 gallons, providing a reasonable range for day trips or work sessions without frequent refueling. Given the engine's four-stroke design and moderate displacement, fuel efficiency was competitive, with many owners reporting mileage figures in the range of 20 to 30 miles per gallon depending on riding conditions.

This fuel economy made the Quadrunner 250 an economically sensible choice for users mindful of operational costs.

Features and Ergonomics

Suzuki incorporated several rider-focused features into the Quadrunner 250 to enhance usability. The seat was ergonomically contoured and padded for comfort during extended rides. Handlebar layout included standard controls with easy reach, maintaining simplicity without sacrificing functionality.

Instrumentation was basic but practical, typically including a speedometer and a gear indicator. The straightforward dashboard reflected the vehicle's utilitarian orientation.

Additional features such as front and rear cargo racks expanded the utility aspect of the ATV, allowing users to transport equipment, tools, or supplies easily. These racks were constructed from durable steel tubing and were rated to carry moderate loads, reinforcing the Quadrunner's role as a multi-purpose machine.

Comparative Context

When compared to contemporaries like the Honda FourTrax 250 or Yamaha Timberwolf 250, the 1994 Suzuki Quadrunner 250 held its own in terms of overall capability. While it may have lagged slightly behind in raw horsepower against some competitors, its balanced chassis, reliable engine, and competent suspension made it a favorite among riders who valued steady performance over outright speed.

Moreover, the Quadrunner's rugged construction and ease of maintenance contributed to its longevity and popularity in rural and recreational markets.

Pros and Cons of the 1994 Suzuki Quadrunner 250

- **Pros:** Reliable four-stroke engine with decent power output; versatile 2WD/4WD drivetrain; comfortable and manageable size; practical cargo racks; solid suspension for varied terrain.
- **Cons:** Drum brakes less effective than disc brakes in some conditions; manual transmission may be challenging for beginners; basic instrumentation lacking advanced features.

Such trade-offs were typical of the mid-90s ATV segment, where simplicity often took precedence over technological complexity.

Legacy and Current Relevance

Decades after its release, the 1994 Suzuki Quadrunner 250 continues to hold a place in the hearts of ATV enthusiasts and collectors. Its mechanical simplicity and robust build have made it amenable to restoration and continued use, with parts availability sustained by Suzuki's longstanding market presence.

For those seeking a reliable, no-frills ATV with historical significance, the Quadrunner 250 remains a compelling option. Its specs reflect a period when the market was shifting toward more environmentally conscious, user-friendly four-stroke machines without sacrificing off-road capability.

In summary, the 1994 Suzuki Quadrunner 250 specs reveal a well-rounded ATV engineered for versatility. Whether deployed on forest trails, farm fields, or weekend adventures, its combination of engine performance, durable chassis, and practical features underscore why it remains a respected model in Suzuki's ATV lineage.

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