

porsche 928 s4 1987 manual

porsche 928 s4 1987 manual represents a unique combination of classic automotive engineering and driver-focused performance. This comprehensive guide explores the distinctive features, technical specifications, and driving experience offered by the 1987 Porsche 928 S4 with a manual transmission. Known for its powerful V8 engine and innovative design, the Porsche 928 S4 1987 manual remains a sought-after model among enthusiasts who appreciate vintage sports cars with precise control. This article delves into the mechanical aspects, performance capabilities, maintenance tips, and the overall significance of this iconic vehicle. Whether evaluating its manual gearbox or understanding its engineering advancements, this overview provides valuable insights into one of Porsche's most celebrated grand tourers.

- Overview and History of the Porsche 928 S4 1987
- Technical Specifications of the 1987 Porsche 928 S4 Manual
- Driving Experience and Performance
- Maintenance and Common Issues
- Collectibility and Market Value

Overview and History of the Porsche 928 S4 1987

The Porsche 928 S4 1987 manual is a grand touring sports car that marked a significant evolution in Porsche's lineup during the late 1980s. Introduced as an enhanced version of the original 928 model, the S4 brought improved styling, increased performance, and refined engineering. The 1987 model year incorporated subtle design tweaks along with mechanical upgrades aimed at boosting both comfort and driving dynamics. Featuring a front-engine layout with a powerful V8, the 928 S4 was positioned as a luxury sports car capable of blending high-speed performance with everyday usability. The manual transmission option, although less common than the automatic, offered enthusiasts a more engaging driving connection and precise control over the vehicle's robust powertrain.

Technical Specifications of the 1987 Porsche 928 S4 Manual

The technical configuration of the Porsche 928 S4 1987 manual illustrates Porsche's commitment to engineering excellence. This model is powered by a 4.7-liter V8 engine that produces approximately 320 horsepower and 317 lb-ft of torque. The manual transmission variant typically utilizes a 5-speed gearbox that enhances driver involvement and allows for optimal utilization of the engine's power band. The chassis and suspension systems were designed to provide a balance between comfort and sharp handling, featuring independent suspension all around and ventilated disc brakes for reliable stopping power.

Engine and Transmission

The 4.7-liter V8 engine in the 928 S4 is a key highlight, delivering smooth yet potent performance. Its aluminum construction reduces weight while maintaining strength and durability. The 5-speed manual transmission offers direct shifting and feedback, making it favored among purists who appreciate the tactile engagement of a manual gearbox.

Dimensions and Weight

The 1987 Porsche 928 S4 has a wheelbase of 98.4 inches, an overall length of approximately 178 inches, and a curb weight near 3,500 pounds. This weight distribution contributes to its distinctive handling characteristics, providing a stable yet agile driving experience.

Performance Metrics

- 0-60 mph acceleration: Approximately 5.5 seconds
- Top speed: Around 163 mph
- Fuel economy: Estimated 15 mpg city / 22 mpg highway
- Braking distance: Competitive for its class, with ventilated discs

Driving Experience and Performance

The Porsche 928 S4 1987 manual offers a driving experience that combines raw power with refined control. The manual transmission allows drivers to fully

exploit the V8's broad torque curve, delivering responsive acceleration and precise gear changes. The car's balanced chassis and suspension setup provide excellent road feedback, making it a rewarding drive on both twisty roads and highways.

Handling Characteristics

Thanks to its front-engine, rear-wheel-drive layout, and near 50/50 weight distribution, the 928 S4 delivers stable and predictable handling. The suspension setup minimizes body roll and enhances cornering agility, while the manual gearbox allows skilled drivers to maintain optimal engine speeds through corners.

Comfort and Interior Features

In addition to its performance credentials, the 928 S4 offers a spacious and ergonomically designed interior. Features such as power-adjustable seats, air conditioning, and premium materials contribute to a comfortable driving environment suitable for long-distance touring. The manual control complements these features by providing an engaging yet comfortable driving experience.

Maintenance and Common Issues

Owning a Porsche 928 S4 1987 manual requires attention to specific maintenance needs to ensure longevity and reliability. Given its age and complexity, regular upkeep is essential for preserving performance and preventing costly repairs. This section outlines common maintenance concerns and best practices for owners.

Routine Maintenance Checklist

- Regular oil changes using high-quality synthetic oil
- Inspection and replacement of timing belts and tensioners every 4-5 years
- Brake system check including pads, rotors, and fluid replacement
- Cooling system maintenance to prevent overheating

- Transmission fluid replacement for manual gearbox longevity
- Suspension and steering system inspections

Typical Mechanical Issues

Common problems reported by owners of the 1987 Porsche 928 S4 manual include coolant leaks, electrical component failures, and wear in the clutch and transmission components. Early diagnosis and timely repair can mitigate these issues. Additionally, sourcing genuine parts and working with specialists familiar with classic Porsche models is highly recommended.

Collectibility and Market Value

The Porsche 928 S4 1987 manual holds a special place in the collector car market due to its combination of classic styling, performance, and rarity of the manual transmission option. Enthusiasts prize the car for its blend of vintage charm and modern engineering advancements from its era. Its value has seen appreciation, particularly for well-maintained examples with documented histories.

Factors Influencing Value

- Condition of the vehicle, both mechanical and cosmetic
- Originality and completeness of parts
- Historical documentation and service records
- Rarity of the manual transmission within the 928 S4 production
- Market demand among classic Porsche collectors

Investment Considerations

Prospective buyers and collectors should consider the costs associated with maintenance and restoration when evaluating the Porsche 928 S4 1987 manual as an investment. Despite these factors, the model remains a desirable classic

with a strong enthusiast following and potential for continued value appreciation.

Frequently Asked Questions

What are the key features of the Porsche 928 S4 1987 manual?

The Porsche 928 S4 1987 manual features a 5.0-liter V8 engine producing around 320 horsepower, a 5-speed manual transmission, upgraded suspension, and distinctive aerodynamic styling. It is known for its blend of grand touring comfort and sports car performance.

How does the manual transmission in the 1987 Porsche 928 S4 compare to the automatic?

The manual transmission in the 1987 Porsche 928 S4 offers a more engaging and connected driving experience, allowing for precise gear control and improved driver involvement compared to the automatic. However, it is less common and may require more maintenance expertise.

What maintenance challenges are common with the 1987 Porsche 928 S4 manual?

Common maintenance challenges include timing belt replacement, cooling system upkeep, and potential issues with the manual transmission clutch and linkage. Original parts can be harder to find, so regular inspections and preventative care are essential.

Is the Porsche 928 S4 1987 manual a good collector's car?

Yes, the Porsche 928 S4 1987 manual is considered a desirable collector's car due to its unique blend of luxury and performance, rarity of manual transmission models, and its significance as one of Porsche's iconic grand tourers from the 1980s.

What performance can be expected from the 1987 Porsche 928 S4 with a manual transmission?

The 1987 Porsche 928 S4 manual can accelerate from 0 to 60 mph in approximately 5.5 to 6 seconds, with a top speed around 160 mph. Its V8 engine and manual gearbox provide strong mid-range torque and an engaging driving experience.

How does the interior and comfort of the 1987 Porsche 928 S4 manual compare to modern cars?

The 1987 Porsche 928 S4 manual offers a luxurious and spacious interior for its time, with leather seats and advanced features for the era. However, it lacks modern technology, infotainment, and safety features found in contemporary cars.

Where can I find parts and service for a 1987 Porsche 928 S4 manual?

Parts and service for a 1987 Porsche 928 S4 manual can be sourced through specialized Porsche restoration shops, vintage car parts suppliers, and online communities dedicated to Porsche 928 enthusiasts. Some OEM parts may be rare, so aftermarket options are also popular.

Additional Resources

1. Porsche 928 S4: The Complete Story

This book offers an in-depth look at the Porsche 928 S4, focusing on the 1987 model year. It covers the car's engineering, design evolution, and performance characteristics. Enthusiasts will appreciate detailed photographs and technical specifications that highlight what made the S4 a standout grand tourer.

2. Maintaining Your 1987 Porsche 928 S4: A Practical Guide

A must-have manual for owners of the 1987 Porsche 928 S4, this guide walks you through routine maintenance, troubleshooting, and repairs. It breaks down complex mechanical systems into easy-to-understand steps, making it ideal for DIY mechanics. The book also includes tips on sourcing parts and preserving the car's original condition.

3. The Porsche 928 S4 Workshop Manual

This comprehensive workshop manual provides detailed instructions for servicing and repairing the 1987 Porsche 928 S4. From engine tuning to electrical systems, it covers every aspect with clear illustrations and diagrams. Professional mechanics and dedicated owners alike will find this manual invaluable for keeping the car in top shape.

4. Classic Porsche 928 S4 Performance Upgrades

Explore the best performance modifications for the 1987 Porsche 928 S4 in this expert guide. The book discusses engine enhancements, suspension tuning, and braking improvements that maintain the car's balance and drivability. It also includes recommendations on aftermarket parts that complement the original setup.

5. Porsche 928 S4: The Collector's Handbook

Designed for collectors and enthusiasts, this handbook covers the history,

rarity, and valuation of the 1987 Porsche 928 S4. It delves into how to identify original parts and recognize signs of restoration or modification. The book also offers advice on purchasing, insuring, and storing this classic vehicle.

6. *Driving the 1987 Porsche 928 S4: A Driver's Perspective*

This engaging book captures the driving experience of the 1987 Porsche 928 S4 through firsthand accounts and professional reviews. Readers will gain insight into the car's handling, comfort, and performance on various road conditions. It's a perfect read for those considering owning or simply appreciating the grand tourer.

7. *Porsche 928 S4 Electrical Systems Manual*

Focusing exclusively on the electrical components of the 1987 Porsche 928 S4, this manual provides detailed wiring diagrams and troubleshooting tips. It is essential for diagnosing issues related to lighting, ignition, and onboard electronics. The book is designed to help both beginners and experienced technicians understand the car's complex electrical layout.

8. *Restoring Your 1987 Porsche 928 S4*

This restoration guide covers everything from bodywork and paint to engine rebuilding for the 1987 Porsche 928 S4. It emphasizes preserving originality while upgrading where necessary to improve reliability. Step-by-step instructions and expert advice make it an excellent resource for anyone embarking on a restoration project.

9. *Porsche 928 S4: Engineering and Innovation*

Dive into the engineering marvels behind the 1987 Porsche 928 S4 with this detailed exploration of its design and technology. The book highlights innovations such as the V8 engine, transaxle layout, and advanced suspension systems. It's ideal for readers interested in automotive engineering and Porsche's approach to combining performance with luxury.

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