

1980 suzuki gs 750 gas tank parts diagram

1980 suzuki gs 750 gas tank parts diagram is an essential reference for owners, restorers, and mechanics working on this classic motorcycle. Understanding the layout and components of the gas tank assembly can simplify maintenance, repair, and restoration tasks. This article provides a detailed overview of the gas tank parts diagram specific to the 1980 Suzuki GS 750, highlighting key components, their functions, and how they interconnect. Additionally, it explains the importance of each part in ensuring fuel delivery and safety, while also touching on common issues and replacement tips. Whether dealing with leaks, rust, or part replacements, having a clear understanding of the gas tank system is crucial. The following sections will delve into the main components, their roles, and practical advice for handling the gas tank parts.

- Overview of the 1980 Suzuki GS 750 Gas Tank Assembly
- Key Components in the Gas Tank Parts Diagram
- Function and Importance of Each Gas Tank Part
- Common Issues and Maintenance Tips
- Replacement and Sourcing of Gas Tank Parts

Overview of the 1980 Suzuki GS 750 Gas Tank Assembly

The gas tank assembly of the 1980 Suzuki GS 750 is a critical system responsible for storing and supplying fuel to the engine. The assembly is designed to fit the frame of the motorcycle securely while allowing easy access for refueling and maintenance. The gas tank itself is crafted from metal with a protective finish to prevent corrosion and damage. In addition to the tank, the assembly includes several integral parts such as the fuel cap, petcock valve, fuel lines, and mounting hardware. A detailed 1980 Suzuki GS 750 gas tank parts diagram helps visualize the arrangement and interaction of these components. This visualization aids in identifying parts accurately during repairs or restoration projects.

Key Components in the Gas Tank Parts Diagram

The 1980 Suzuki GS 750 gas tank parts diagram outlines all essential elements that make up the fuel storage and delivery system. Each component plays a specific role, contributing to the overall functionality and safety of the motorcycle's fuel system. Understanding these parts ensures proper troubleshooting and efficient maintenance.

Fuel Tank

The fuel tank is the primary container for gasoline, designed to hold an adequate volume of fuel for the motorcycle's engine. It features an inlet for the fuel cap and an outlet connected to the fuel petcock.

Fuel Cap and Seal

The fuel cap secures the tank opening to prevent fuel spillage and contamination. It includes a rubber seal or gasket to ensure an airtight closure, preventing vapor leaks and maintaining fuel integrity.

Fuel Petcock (Fuel Valve)

The petcock controls the flow of fuel from the tank to the carburetors. It typically has multiple positions such as "On," "Off," and "Reserve," allowing the rider to manage fuel supply effectively.

Fuel Lines and Connectors

Fuel lines are flexible hoses that transport gasoline from the petcock to the carburetor. Connectors ensure secure attachment points for these lines, preventing leaks and disconnections during operation.

Mounting Brackets and Hardware

These are the metal parts and fasteners that secure the gas tank to the motorcycle frame. Proper mounting is essential to avoid vibrations and movement that could damage the fuel system.

- Fuel Tank
- Fuel Cap and Seal
- Fuel Petcock

- Fuel Lines and Connectors
- Mounting Brackets and Hardware

Function and Importance of Each Gas Tank Part

Each component in the 1980 Suzuki GS 750 gas tank parts diagram serves a distinct function that contributes to the safe and efficient operation of the motorcycle.

Fuel Tank Functionality

The fuel tank stores gasoline and protects it from external contaminants. Its design accommodates the fuel volume needed for typical rides, ensuring the engine receives a continuous supply without interruption.

Fuel Cap Role

The fuel cap prevents fuel evaporation and spillage, which are crucial for both environmental safety and optimal fuel efficiency. The seal within the cap stops air and moisture from entering the tank, preserving fuel quality.

Fuel Petcock Operation

The petcock acts as a valve controlling fuel flow. It allows the rider to shut off fuel supply when the motorcycle is not in use, preventing flooding or leaks. The reserve position provides a backup fuel supply for emergencies.

Fuel Lines and Connectors Importance

Fuel lines transport gasoline safely from the tank to the carburetor. High-quality hoses and secure connectors prevent leaks that could lead to engine performance issues or fire hazards.

Mounting Brackets and Hardware Stability

Proper mounting ensures the fuel tank remains stationary and properly aligned. This minimizes wear on fuel lines and prevents damage due to vibration or impact.

Common Issues and Maintenance Tips

Understanding common problems and performing routine maintenance on the 1980 Suzuki GS 750 gas tank components can extend the life of the fuel system and ensure safe operation.

Rust and Corrosion

Over time, moisture can cause rust inside the fuel tank. Rust particles may clog fuel lines and carburetors, leading to poor engine performance. Regular inspection and use of fuel additives or tank liners can prevent corrosion.

Fuel Leaks

Leaking fuel often results from worn seals, cracked hoses, or damaged petcocks. Prompt replacement of faulty parts is essential to avoid safety hazards and maintain efficiency.

Clogged Fuel Lines

Debris and sediment can accumulate in fuel lines, restricting fuel flow. Cleaning or replacing fuel lines periodically helps maintain proper fuel delivery.

Maintenance Tips Checklist

- Inspect fuel tank interior for rust annually.
- Replace fuel cap seals if cracked or hardened.
- Check petcock operation regularly for leaks or blockages.
- Examine fuel lines for cracks or brittleness.
- Secure mounting brackets to prevent tank movement.

Replacement and Sourcing of Gas Tank Parts

Finding authentic or compatible replacement parts for the 1980 Suzuki GS 750 gas tank requires understanding the specific components and their specifications.

OEM vs Aftermarket Parts

Original Equipment Manufacturer (OEM) parts ensure exact fitment and original quality but may be more expensive or harder to find. Aftermarket parts offer alternatives that can be more affordable and readily available but should be chosen carefully for compatibility and durability.

Common Replacement Parts

Typical replacements include fuel caps, petcocks, fuel lines, and mounting hardware. Using a detailed 1980 Suzuki GS 750 gas tank parts diagram ensures the correct identification and ordering of parts.

Sourcing Tips

Specialized vintage motorcycle parts suppliers, online marketplaces, and Suzuki dealer networks are common sources. Verifying part numbers and cross-referencing with the parts diagram prevents ordering errors.

- Consider OEM parts for critical components like fuel petcocks.
- Inspect aftermarket parts for quality certifications.
- Use the gas tank parts diagram to confirm part compatibility.
- Consult with experienced Suzuki GS 750 restorers or forums for advice.

Frequently Asked Questions

Where can I find a detailed gas tank parts diagram for a 1980 Suzuki GS 750?

You can find detailed gas tank parts diagrams for the 1980 Suzuki GS 750 in the official Suzuki service manual, various online motorcycle parts retailers, or dedicated Suzuki GS forums and communities.

What are the main components shown in the 1980 Suzuki GS 750 gas tank parts diagram?

The main components typically include the gas tank itself, fuel cap, fuel petcock (fuel valve), fuel gauge sending unit, mounting brackets, rubber cushions, and related screws and fittings.

Is the gas tank design for the 1980 Suzuki GS 750 compatible with other GS 750 model years?

Many parts of the gas tank assembly are compatible among GS 750 models from the late 1970s to early 1980s, but it is important to verify with specific diagrams or parts lists as some variations may exist.

Where can I buy replacement gas tank parts for a 1980 Suzuki GS 750?

Replacement gas tank parts can be purchased from Suzuki dealerships, online motorcycle parts stores like Partzilla, BikeBandit, or eBay, and sometimes from specialized vintage motorcycle parts suppliers.

How do I identify the correct part number for the gas tank components on a 1980 Suzuki GS 750?

Refer to the official Suzuki GS 750 service manual or parts catalog, which includes exploded diagrams and part numbers. Online parts retailers also list parts by model year and component.

Are there any common issues with the gas tank parts of a 1980 Suzuki GS 750 shown in the diagram?

Common issues include rust or corrosion inside the tank, worn or leaking fuel petcocks, degraded rubber cushions, and faulty fuel cap seals. Regular inspection and maintenance are recommended.

Can I use the gas tank parts diagram to help restore a 1980 Suzuki GS 750?

Yes, the gas tank parts diagram is essential for restoration as it provides a clear view of all components and their placement, helping to ensure correct assembly and sourcing of authentic parts.

Does the gas tank parts diagram include information about fuel lines and hoses for the 1980 Suzuki GS 750?

Typically, the gas tank parts diagram focuses on the tank and immediate fittings like the petcock and fuel cap. Fuel lines and hoses are usually shown in separate diagrams related to the fuel system.

Additional Resources

1. *The Complete Suzuki GS750 Owner's Manual*

This comprehensive manual covers every aspect of the Suzuki GS750, including detailed diagrams of the gas tank and its components. It is an essential guide for owners looking to understand, maintain, or restore their 1980 GS750. The book offers step-by-step instructions, troubleshooting tips, and clear illustrations to help with gas tank repairs and replacements.

2. *Suzuki GS750 Repair and Maintenance Guide*

Focused on practical repair and maintenance, this guide provides in-depth explanations of the 1980 Suzuki GS750's mechanical systems, with a special emphasis on the gas tank and fuel delivery parts. Mechanics and hobbyists will find detailed diagrams and part lists that simplify the restoration or upkeep process. The book also includes tips for sourcing authentic parts and ensuring proper fuel system operation.

3. *Motorcycle Fuel Systems: A Suzuki GS750 Case Study*

This book explores the fuel systems of classic motorcycles, using the 1980 Suzuki GS750 as a primary example. Readers will gain insights into the design and function of gas tank components, including fuel valves, petcocks, and internal filters. It's an excellent resource for those interested in the engineering and maintenance of motorcycle fuel systems.

4. *Restoring the 1980 Suzuki GS750: Parts and Diagrams*

A detailed restoration guide that includes comprehensive parts diagrams for the gas tank and related components on the 1980 Suzuki GS750. It is tailored for enthusiasts who want to bring their bike back to factory condition. The book also covers sourcing original parts, cleaning, and reassembling the fuel tank to ensure optimal performance.

5. *Suzuki GS Series: Parts Catalog and Diagrams*

This catalog compiles parts lists and exploded diagrams for various Suzuki GS models, with a focus on the 1980 GS750. It includes detailed illustrations of gas tank assemblies, fuel lines, and mounting hardware. Ideal for mechanics and collectors, the book helps identify and order the correct parts for repairs and restorations.

6. *Classic Suzuki Motorcycles: Maintenance and Troubleshooting*

Covering a range of classic Suzuki bikes, this volume dedicates significant content to the GS750's fuel system and gas tank components. It provides diagnostic techniques for common fuel-related issues and guides readers through repair procedures. The book's clear diagrams and practical advice make it a valuable reference for vintage Suzuki owners.

7. *Understanding Motorcycle Fuel Tanks: Design and Repair*

This technical book delves into the design principles and repair techniques of motorcycle fuel tanks, featuring the 1980 Suzuki GS750 as a case study. It explains the construction, materials, and common problems associated with gas tanks. The book also offers methods for leak detection, rust treatment, and part replacement, supported by detailed diagrams.

8. *Suzuki GS750 Workshop Manual*

An official workshop manual that provides detailed instructions and diagrams for servicing the 1980 Suzuki GS750, including its gas tank and fuel system parts. This manual is designed for professional mechanics and serious hobbyists who require factory-accurate information. It covers disassembly, inspection, cleaning, and reassembly processes with clear, technical illustrations.

9. *Fuel System Overhaul for Classic Motorcycles*

This book focuses on the complete overhaul of fuel systems in classic motorcycles, featuring the Suzuki GS750 prominently. It includes detailed diagrams of gas tank parts and explains how to refurbish or replace components like petcocks, fuel filters, and hoses. The guide is ideal for enthusiasts who want to ensure their vintage bike's fuel system operates flawlessly.

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