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Motorefit YT-1176

Motorefit Speedometer Case and Tachometer Housing Instruction Manual

For Suzuki GSXR600 GSXR750 (2004-2005)

1. Introduction

Thank you for choosing the Motorefit Speedometer Case and Tachometer Housing. This product is designed as a direct replacement for the original instrument housing on Suzuki GSXR600 and GSXR750 motorcycles manufactured between 2004 and 2005 (K4 models). This manual provides essential information for safe installation, proper use, and maintenance to ensure optimal performance and longevity of your new housing.

2. Safety Information

Warning: Improper installation can lead to serious injury or damage to your motorcycle. If you are not confident in your mechanical abilities, seek assistance from a qualified motorcycle technician.

- Always disconnect the motorcycle's battery before beginning any electrical work.
- Wear appropriate personal protective equipment, including gloves and eye protection.
- Ensure the motorcycle is stable and securely supported before working on it.
- Refer to your motorcycle's official service manual for specific torque specifications and wiring diagrams.
- Keep all fasteners and small parts organized to prevent loss.

3. Package Contents

Verify that all components are present and undamaged before proceeding with installation.

- 1x Motorefit Speedometer Case and Tachometer Housing (ABS Plastic)
- (Note: Mounting hardware and internal gauge components are not included and must be transferred from your original unit or purchased separately.)

4. Product Overview

The Motorefit Speedometer Case is a durable replacement housing crafted from high-quality ABS plastic. It is designed to protect the delicate internal components of your motorcycle's speedometer, odometer, and tachometer gauges. This

housing provides a secure enclosure and maintains the aesthetic integrity of your instrument cluster.



Figure 4.1: Motorefit Speedometer Case and Tachometer Housing. This image shows the complete housing unit, ready for internal gauge components.

5. Setup and Installation

This section outlines the general steps for replacing your existing speedometer housing. Specific procedures may vary slightly depending on your motorcycle's condition. Refer to your Suzuki GSXR600/750 service manual for detailed instructions.

1. **Preparation:** Park the motorcycle on a level surface using a rear stand or center stand for stability. Disconnect the negative terminal of the battery.
2. **Remove Windscreen and Fairings:** Carefully remove any windscreen, mirrors, or front fairing components that obstruct access to the instrument cluster. Keep all fasteners organized.
3. **Disconnect Instrument Cluster:** Locate and disconnect the electrical connectors attached to the back of the

instrument cluster. Note their positions for reassembly.

4. **Remove Old Housing:** Unbolt the instrument cluster from its mounting bracket on the motorcycle. Once removed, carefully separate the old housing from the internal speedometer, odometer, and tachometer gauges. This may involve removing small screws or clips.
5. **Transfer Components:** Carefully transfer the internal gauge components, rubber buttons, and any seals from your old housing into the new Motorefit housing. Ensure all components seat correctly and are secured. *(Note: Some users recommend transferring OEM rubber buttons for better feel, if applicable.)*
6. **Reassemble Instrument Cluster:** Secure the new housing with the internal gauges back onto the motorcycle's mounting bracket. Reconnect all electrical connectors, ensuring they are fully seated.
7. **Test Functionality:** Before reattaching all fairings, reconnect the battery and turn the ignition key to the 'ON' position. Verify that all gauges (speedometer, tachometer, odometer, indicator lights) function correctly.
8. **Final Reassembly:** Reinstall all fairings, windscreen, and mirrors. Ensure all fasteners are tightened to factory specifications.

6. Operating Instructions

This product is a housing for your existing instrument cluster. Its operation is directly tied to the functionality of the internal gauges (speedometer, odometer, tachometer) that you transfer into it. No specific operational steps are required for the housing itself. Ensure that all buttons (e.g., trip reset, mode selection) function correctly after installation by pressing them and observing the corresponding changes on the display.

7. Maintenance

The Motorefit Speedometer Case is designed for durability and requires minimal maintenance.

- **Cleaning:** Clean the exterior of the housing with a soft, damp cloth and mild soap. Avoid abrasive cleaners or solvents, which can damage the plastic.
- **Inspection:** Periodically inspect the housing for any cracks, loose fasteners, or signs of wear. Ensure the seals (if applicable) around the gauges remain intact to prevent moisture ingress.
- **Protection:** While durable, avoid exposing the housing to extreme temperatures or direct, prolonged sunlight when possible to prevent material degradation over time.

8. Troubleshooting

Problem	Possible Cause	Solution
Gauges not functioning after installation.	Loose or disconnected electrical connectors. Battery not reconnected. Internal gauge components not seated correctly.	Check all electrical connections. Ensure battery is properly connected. Re-open housing and verify internal components are correctly installed.
Buttons (e.g., trip reset) are stiff or unresponsive.	Rubber buttons not aligned correctly. Debris obstructing button movement.	Carefully re-align the rubber buttons during assembly. Clean any debris. Consider using OEM rubber buttons if available and compatible.

Problem	Possible Cause	Solution
Moisture or condensation inside the housing.	Improperly sealed housing. Damaged seals.	Disassemble and inspect seals. Ensure all screws are tightened evenly. Replace seals if damaged.

9. Specifications

Model: YT-1176

Material: High Quality ABS Plastic

Compatibility: Suzuki GSXR600 (2004-2005), Suzuki GSXR750 (2004-2005)

Quantity: 1 Piece

Item Weight: 0.17 kg

UPC: 761127883456

10. Warranty and Support

Motorefit products are manufactured to high standards. For warranty information or technical support, please contact your retailer or visit the official Motorefit website. Please have your purchase receipt and product model number (YT-1176) available when contacting support.

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