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## Faria GP7783A

# Faria Boat Trim Gauge GP7783A User Manual

Mercury Signature Gold 2 Inch

## 1. INTRODUCTION

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This manual provides essential information for the proper installation, operation, and maintenance of your Faria GP7783A Signature Gold Series Boat Trim Gauge. This gauge is designed for use with Mercury engines and features a 2-inch diameter for easy integration into your boat's dashboard. Please read these instructions carefully before proceeding with installation or operation.

## 2. SAFETY INFORMATION

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Always prioritize safety when working with marine electrical systems. Disconnect the boat's battery before performing any installation or maintenance to prevent electrical shock or damage to components. Ensure all connections are secure and properly insulated to avoid short circuits. Consult a qualified marine technician if you are unsure about any part of the installation process.

## 3. PACKAGE CONTENTS

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Verify that all components are present before beginning installation:

- Faria GP7783A Signature Gold Series Trim Gauge
- Mounting bracket

**Note:** Additional hardware and specific installation tools are not included and must be acquired separately.

## 4. SETUP AND INSTALLATION

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The Faria GP7783A trim gauge requires a 2-inch diameter cutout for flush mounting. Ensure adequate space behind the mounting surface for the gauge body and wiring connections.

### 4.1 Mounting the Gauge

1. Carefully create a 2-inch (approximately 50.8 mm) diameter hole in your dashboard at the desired location.
2. Insert the gauge into the cutout from the front.

3. Secure the gauge from the rear using the provided mounting bracket and appropriate hardware (not included). Tighten securely but do not overtighten.

## 4.2 Wiring Connections

The gauge features three threaded bolt connections and one single spade male connection. Refer to the diagram below for connection points. This gauge is specifically set up for Mercury engines.



Figure 1: Rear view of the Faria GP7783A trim gauge, illustrating the electrical connections.

- **Power (Ignition):** Connect the positive (+) 12V DC ignition wire to the appropriate threaded terminal.
- **Ground:** Connect the negative (-) ground wire to the designated threaded terminal.
- **Sender:** Connect the trim sender unit wire from your Mercury engine to the remaining threaded terminal.
- **Illumination:** The single spade male connection is typically for the gauge's internal halogen bulb illumination. Connect this to your boat's dashboard lighting circuit.

After all connections are made, re-connect the boat's battery and test the gauge's functionality.



Figure 2: Front view of the Faria GP7783A trim gauge, displaying the Signature Gold Series design.

## 5. OPERATION

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Once properly installed and powered, the Faria GP7783A trim gauge will display the trim position of your Mercury outboard or sterndrive engine. The white transparent needle will indicate the relative angle of the engine's lower unit. Adjusting the engine trim will cause the needle to move accordingly, allowing you to optimize boat performance and fuel efficiency.

## 6. MAINTENANCE

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The Faria GP7783A trim gauge is designed for durability in a marine environment. Regular maintenance is minimal:

- **Cleaning:** Wipe the gauge face and bezel with a soft, damp cloth to remove salt spray, dust, and grime. Avoid abrasive cleaners or solvents that could damage the lens or finish.
- **Inspection:** Periodically check all electrical connections for corrosion or looseness. Ensure the mounting bracket remains secure.
- **Bulb Replacement:** If the illumination fails, the internal halogen bulb may need replacement. Consult

a marine technician for proper bulb type and replacement procedure.

## 7. TROUBLESHOOTING

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If your Faria GP7783A trim gauge is not functioning correctly, consider the following:

- **No Power/No Illumination:** Check the fuse in the power circuit. Verify all power and ground connections are secure and free of corrosion. Ensure the illumination wire is properly connected to a working light circuit.
- **Incorrect Reading/No Movement:** Inspect the trim sender unit on your Mercury engine for damage or dislodgement. Check the sender wire connection at both the gauge and the sender unit for continuity and corrosion.
- **Erratic Readings:** This could indicate a loose connection, a faulty sender unit, or interference. Re-check all wiring and consider testing the sender unit.

If problems persist after basic troubleshooting, it is recommended to consult a qualified marine electronics technician.

## 8. SPECIFICATIONS

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<b>Part Number</b>	GP7783A
<b>Manufacturer</b>	Faria Beede
<b>Overall Dimensions</b>	2 1/4" Dia. (across face including bezel) x 3 1/4" D
<b>Cutout Dimensions</b>	2" Dia.
<b>Connections</b>	(3) Threaded bolts, (1) Single Spade Male
<b>Engine Compatibility</b>	Mercury Engines
<b>Illumination</b>	Halogen Bulb
<b>Material</b>	Plastic
<b>Item Weight</b>	4.96 ounces

## 9. WARRANTY AND SUPPORT

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Specific warranty information for the Faria GP7783A trim gauge is not provided in the product details. For warranty inquiries or technical support, please contact Faria Beede Instruments directly or the retailer from whom the product was purchased. Keep your proof of purchase for any warranty claims.