

Medallion 8650-00101-29

Medallion Boat Tachometer Gauge 8650-00101-29 Instruction Manual

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Medallion Boat Tachometer Gauge, model 8650-00101-29. This instrument is designed to display engine revolutions per minute (RPM) for marine gasoline engines. Please read this manual thoroughly before installation and use to ensure correct functionality and longevity of the product.

2. SETUP AND INSTALLATION

Proper installation is crucial for the accurate operation of your tachometer. It is recommended that installation be performed by a qualified marine technician.

2.1 Components

- Medallion Tachometer Gauge (8650-00101-29)
- Mounting Bracket

2.2 Installation Steps

1. **Prepare Mounting Location:** Identify a suitable location on your boat's dashboard or instrument panel. The gauge requires a cutout of approximately **4 1/4 inches (10.8 cm) in diameter**. Ensure sufficient depth behind the panel for the gauge body and connections (approximately 3 inches or 7.6 cm).
2. **Insert Gauge:** Carefully insert the tachometer gauge into the prepared cutout from the front of the panel.
3. **Secure Gauge:** Use the provided mounting bracket to secure the gauge from the rear of the panel. Tighten fasteners evenly to prevent damage to the gauge housing.
4. **Electrical Connections:** The tachometer features a **(1) 4-spade male metri pack connection**. A wiring diagram and pigtail connector/harness are **not included** with this product. It is essential to consult a qualified marine dealer or technician for the correct pin/wiring sequencing specific to your vessel's electrical system and engine type. Incorrect wiring can damage the gauge or other electrical components.



Figure 1: Rear view of the Medallion Tachometer Gauge, highlighting the 4-spade male metri pack connection port. This port is used for electrical wiring to the boat's power and engine signal.

3. OPERATION

Once properly installed and wired, the Medallion Tachometer Gauge will display the engine's RPM when the ignition is on and the engine is running.

3.1 Reading the Gauge

The gauge face features a black and gray background with white numbers and a white needle. The scale typically ranges from 0 to 7, indicating RPM in thousands (x1000). For example, if the needle points to '3', the engine is operating at 3,000 RPM.



Figure 2: Front view of the Medallion Tachometer Gauge. The dial shows RPM readings from 0 to 7, with 'x1000' indicating that the displayed number should be multiplied by 1000 to get the actual RPM.

3.2 Normal Operation

Observe the tachometer during engine operation to ensure it provides consistent and accurate readings. Fluctuations or erratic behavior may indicate an issue with the engine, wiring, or the gauge itself.

4. MAINTENANCE

The Medallion Tachometer Gauge is designed for durability in a marine environment. Minimal maintenance is required.

- **Cleaning:** Clean the gauge face and bezel with a soft, damp cloth. Avoid abrasive cleaners or solvents, which can damage the lens or finish.
- **Inspection:** Periodically inspect the electrical connections at the rear of the gauge to ensure they are secure and free from corrosion.
- **Environmental Protection:** While designed for marine use, protecting the gauge from prolonged direct sunlight and extreme weather conditions when not in use can extend its lifespan.

5. TROUBLESHOOTING

If you experience issues with your tachometer, consider the following basic troubleshooting steps:

- **No Reading/No Power:**
 - Check all electrical connections to ensure they are secure and free of corrosion.
 - Verify that the boat's ignition is on and there is power to the instrument panel.
 - Inspect any fuses in the circuit supplying power to the gauge.
- **Erratic or Inaccurate Readings:**
 - Ensure the engine's RPM signal wire is correctly connected and not damaged.
 - Consult your engine's service manual or a marine technician to verify the correct RPM signal source and type.
 - Check for any loose connections or signs of corrosion at the gauge or engine side.

For persistent issues, it is recommended to contact a qualified marine technician or the manufacturer for further assistance.

6. SPECIFICATIONS

The following are the technical specifications for the Medallion Boat Tachometer Gauge 8650-00101-29:

Feature	Specification
Part Manufacturer	Medallion
Part Number	8650-00101-29
Color	Silver / Black
Cutout Dimensions	4 1/4 inches (10.8 cm) Diameter
Overall Dimensions	4 3/4 inches (12.1 cm) Diameter x 3 inches (7.6 cm) Depth
Connections	(1) 4-Spade Male Metri Pack
Fuel Type Compatibility	Gasoline

7. WARRANTY AND SUPPORT

Information regarding product warranty and specific technical support is not provided within this manual. For warranty details, technical assistance, or to purchase replacement parts, please contact your authorized Medallion dealer or the manufacturer directly. Ensure you have your product model number (8650-00101-29) available when seeking support.