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› Faria 33004 Coral Series 6000 RPM Gas Tachometer Instruction Manual

Faria 33004

Faria 33004 Coral Series 6000 RPM Gas Tachometer Instruction Manual

Model: 33004

1. PRODUCT OVERVIEW

The Faria 33004 Coral Series Tachometer is designed to accurately display engine revolutions per minute (RPM) for gas-powered marine engines. This 4-inch gauge features a perimeter-lighted black dial with clear white and blue graphics, a black aluminum bezel with a burnished edge, a contoured white pointer, and a flat glass lens for optimal readability. It is engineered for reliable performance in marine environments.



Figure 1.1: Front view of the Faria 33004 Coral Series Tachometer, showing the black dial, white and blue graphics, and black aluminum bezel.

2. SAFETY INFORMATION

Read all instructions carefully before installation and operation. Failure to follow these instructions may result in product damage, property damage, or personal injury.

- Always disconnect the battery's negative terminal before beginning any electrical work to prevent electrical shock or short circuits.
- Ensure all wiring connections are secure and properly insulated to prevent corrosion and electrical hazards.
- Do not modify the gauge or its components. Unauthorized modifications can void the warranty and create safety risks.
- If you are unsure about any part of the installation process, consult a qualified marine technician.
- This product is intended for 12V DC negative ground systems only.

3. PACKAGE CONTENTS

Verify that all items are present before beginning installation:

- Faria 33004 Coral Tachometer (6000 RPM) Gas - 4", Black
- Mounting Hardware (typically includes mounting bracket, nuts, and washers)
- Instruction Sheet (this document or similar)

4. INSTALLATION

Proper installation is crucial for accurate operation and longevity of the tachometer.

4.1 Mounting the Gauge

1. **Select Location:** Choose a flat, secure area on your dashboard or panel that allows for clear visibility and access to the rear for wiring.
2. **Cut Mounting Hole:** Using a suitable hole saw, cut a 3.375 inch (85 mm) diameter hole in the selected mounting surface. Ensure there is sufficient clearance behind the panel for the gauge body and wiring connections.
3. **Insert Gauge:** Carefully insert the tachometer into the prepared mounting hole from the front of the panel.
4. **Secure Gauge:** From the rear of the panel, place the mounting bracket over the threaded studs on the back of the gauge. Secure it in place using the provided nuts and washers. Tighten firmly but do not overtighten to avoid damaging the gauge or panel.

4.2 Wiring Connections

The Faria 33004 tachometer typically has four main connections. Refer to the wiring diagram below for specific terminal identification.

- **Ignition (12V Switched):** Connect to a 12V DC positive power source that is switched with the ignition. This provides power to the gauge when the engine is running.
- **Ground:** Connect to a reliable common ground point on the vessel's electrical system. A clean, secure ground connection is essential for accurate readings.
- **Sender (Tach Signal):** Connect this terminal to the engine's tachometer signal source. This can typically be the negative terminal of the ignition coil, a dedicated tachometer output on the alternator, or an Electronic Control Module (ECM) output, depending on your engine type. Consult your engine's service manual for the exact tachometer signal location.
- **Illumination (12V):** Connect to a 12V DC positive power source that is switched with your vessel's navigation or instrument panel lights. This will illuminate the gauge's backlight.

4.3 Cylinder Selection

The Faria 33004 tachometer is adjustable for different engine cylinder configurations. On the back of the gauge, there is a small switch or set of dip switches to select the correct number of cylinders (typically 4, 6, or 8 cylinders). **It is critical to set this correctly for accurate RPM readings.** Refer to your engine's specifications to determine the correct setting.

5. OPERATING INSTRUCTIONS

Once properly installed and wired, operating the Faria 33004 tachometer is straightforward.

1. **Power On:** Turn the vessel's ignition key to the 'ON' position. The tachometer needle should move slightly, indicating it has power.
2. **Start Engine:** Start your gas engine. The tachometer needle will rise to indicate the current engine RPM.
3. **Read RPM:** The large numbers on the dial represent thousands of RPM. For example, '3' indicates 3000 RPM.
4. **Backlight:** Turn on your vessel's navigation or instrument panel lights to activate the gauge's perimeter lighting for night operation.

Monitor your engine's RPM during operation to ensure it stays within the manufacturer's recommended operating range.

Excessive RPM can lead to engine damage.

6. MAINTENANCE

The Faria 33004 tachometer requires minimal maintenance to ensure continued performance and appearance.

- **Cleaning:** Clean the gauge face and bezel with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the lens or finish.
- **Connection Check:** Periodically inspect all wiring connections at the back of the gauge to ensure they remain tight and free of corrosion. Loose connections can lead to intermittent or inaccurate readings.
- **Environmental Protection:** While designed for marine use, protecting the gauge from prolonged direct sunlight and extreme weather when not in use can extend its lifespan.

7. TROUBLESHOOTING

If your Faria 33004 tachometer is not functioning correctly, refer to the following troubleshooting guide:

Symptom	Possible Cause	Solution
Gauge does not power on or illuminate.	No 12V power to ignition or illumination terminal; faulty ground connection; blown fuse.	Check 12V connections (ignition and illumination). Verify ground connection. Inspect and replace any blown fuses in the circuit.
Tachometer reads zero or is erratic.	No signal from engine; loose or corroded sender wire; incorrect cylinder setting.	Verify the sender wire is securely connected to the engine's tach signal source. Check for corrosion. Ensure the cylinder selection switch on the back of the gauge is set correctly for your engine.
Inaccurate RPM reading (too high or too low).	Incorrect cylinder setting; signal interference; fine adjustment screw miscalibration.	Double-check the cylinder selection switch. Ensure the sender wire is not running parallel to high-voltage wires. Some Faria tachometers have a fine adjustment screw on the back; if accessible, this can be used for minor calibration, but proceed with caution and use a known accurate external tachometer for reference.
Backlight not working.	No 12V power to illumination terminal; faulty ground; bulb failure (if applicable).	Check the illumination wire connection and ensure it receives 12V when lights are on. Verify ground. If the gauge uses a replaceable bulb, check its condition.

If these steps do not resolve the issue, contact Faria customer support or a qualified marine technician.

8. SPECIFICATIONS

- **Model:** 33004
- **Brand:** Faria
- **Series:** Coral
- **RPM Range:** 0-6000 RPM
- **Engine Type:** Gas
- **Gauge Size:** 4 inch (nominal)
- **Mounting Hole Diameter:** 3.375 inches (85 mm)

- **Bezel Material:** Black Aluminum
- **Lens Type:** Flat Glass
- **Power Requirement:** 12V DC (Negative Ground)
- **Cylinder Compatibility:** Adjustable for 4, 6, and 8 cylinder engines
- **Product Dimensions (Approx.):** 5 x 4 x 6 inches
- **Item Weight (Approx.):** 0.68 Pounds (10.9 ounces)

9. WARRANTY AND SUPPORT

Faria products are manufactured to high standards and typically come with a manufacturer's warranty against defects in materials and workmanship. The specific warranty period and terms may vary. Please retain your proof of purchase for warranty claims.

For technical assistance, warranty inquiries, or to purchase replacement parts, please contact Faria customer support directly. Refer to the official Faria website or product packaging for the most current contact information.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question