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› [EQUUS](#) /

› EQUUS 5078 3-3/8" Tachometer Instruction Manual

EQUUS 5078

EQUUS 5078 3-3/8" Tachometer Instruction Manual

Model: 5078

[Contents](#) [Setup](#) [Operating](#) [Introduction](#) [Maintenance](#) [Safety Information](#) [Troubleshooting](#) [Package](#) [Specifications](#) [Warranty](#) [Support](#)

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your EQUUS 5078 3-3/8" Tachometer. Please read this manual thoroughly before installation and use to ensure proper function and safety. The EQUUS 5078 tachometer is designed to display engine revolutions per minute (RPM) with precision, featuring a clear 0 to 8000 RPM range in 100 RPM increments. It includes backlit illumination for enhanced visibility during night use and an original equipment manufacturer (OEM) style lighted pointer. The full 270° sweep provides increased visibility of the RPM readings.



Figure 1: EQUUS 5078 3-3/8" Tachometer, White Dial

This image shows the EQUUS 5078 tachometer, featuring its white dial, black numbers, and a red needle. The gauge has a chrome bezel and is designed for clear RPM display.

2. SAFETY INFORMATION

Always observe the following safety precautions during installation and operation:

- Disconnect the vehicle's battery before performing any electrical work to prevent electrical shock or damage to the vehicle's electrical system.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- Mount the tachometer securely to avoid obstruction of the driver's view or interference with vehicle controls.
- Consult a professional automotive technician if you are unsure about any installation steps.
- Do not operate the vehicle while distracted by the installation or adjustment of the tachometer.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- EQUUS 5078 3-3/8" Tachometer (8000 RPM, White Dial)
- Rear twist-on mounting ring
- Installation hardware (nuts, washers)
- Wiring harness (may vary by package)

Note: Installation adaptors are sold separately and may be required for certain vehicle applications.

4. SETUP AND INSTALLATION

4.1. Mounting the Tachometer

1. Select a suitable location on your dashboard or instrument panel that does not obstruct your view or interfere with vehicle operation.
2. Cut a 3-3/8 inch (85mm) diameter hole for the tachometer body. Ensure sufficient depth for the gauge and wiring.
3. Insert the tachometer into the mounting hole from the front.
4. From the rear of the panel, slide the rear twist-on mounting ring over the tachometer body and tighten it clockwise until the gauge is securely fastened. Do not overtighten.

4.2. Wiring Connections

The EQUUS 5078 tachometer is compatible with both conventional and electronic ignition systems. Proper wiring is crucial for accurate operation. Refer to your vehicle's service manual for specific wiring diagrams if needed.

- **Red Wire:** Connect to a switched 12V ignition source. This wire provides power to the tachometer when the ignition is on.
- **Black Wire:** Connect to a good chassis ground point. Ensure a clean, secure connection for reliable operation.
- **White Wire (Illumination):** Connect to the vehicle's dashboard lighting circuit (e.g., headlight switch or dimmer circuit). This provides power for the backlight and lighted pointer.
- **Green Wire (Signal):** Connect to the negative side of the ignition coil (for conventional ignition systems) or the tachometer signal output from the electronic ignition module (for electronic ignition systems).

After all connections are made, reconnect the vehicle's battery and test the tachometer's function.

5. OPERATING THE TACHOMETER

The EQUUS 5078 tachometer is designed for straightforward operation once installed correctly.

- **RPM Display:** The gauge displays engine RPM from 0 to 8000 in clear 100 RPM increments. The needle moves smoothly across the 270° sweep for easy reading.
- **Backlit Illumination:** When connected to the vehicle's lighting circuit, the tachometer's dial will illuminate, and the pointer will light up, providing clear visibility during night driving.
- **Engine Compatibility:** This tachometer is compatible with 4, 6, and 8 cylinder engines. Ensure the correct setting is selected if your model features an adjustable cylinder selector (refer to specific product documentation if applicable).

6. MAINTENANCE

The EQUUS 5078 tachometer requires minimal maintenance to ensure long-lasting performance.

- **Cleaning:** Use a soft, damp cloth to clean the gauge face and bezel. Avoid abrasive cleaners or solvents, as these

can damage the finish or clear lens.

- **Connection Checks:** Periodically inspect wiring connections to ensure they remain secure and free from corrosion. Loose connections can lead to inaccurate readings or intermittent operation.
- **Environmental Protection:** While designed for automotive use, avoid exposing the tachometer to extreme moisture or direct water spray.

7. TROUBLESHOOTING

If you experience issues with your EQUUS 5078 tachometer, refer to the following common problems and solutions:

7.1. Tachometer Does Not Power On or Illuminate

- Check the 12V ignition (red) wire for proper connection and power.
- Verify the ground (black) wire has a secure connection to chassis ground.
- For illumination issues, check the white wire connection to the vehicle's lighting circuit and ensure the vehicle lights are on.
- Inspect any inline fuses in the power supply circuit.

7.2. Inaccurate or Erratic RPM Readings

- Ensure the signal (green) wire is correctly connected to the ignition coil negative or the electronic ignition module's tachometer output.
- Verify that the tachometer is set for the correct number of cylinders (if applicable to your specific model).
- Check for any loose or corroded wiring connections, especially the signal and ground wires.
- Interference from other electrical components can sometimes cause erratic readings. Ensure signal wires are routed away from high-voltage cables.

7.3. Needle is Hard to See at Night

- Confirm the white illumination wire is properly connected to a switched lighting circuit.
- Check if the vehicle's dimmer switch is set to maximum brightness.
- Ensure the bulb for the backlight is functioning correctly (if replaceable).

7.4. Slow Reaction to RPM Changes

- This can sometimes be a characteristic of certain tachometer designs. However, ensure all wiring connections are solid and free from resistance.
- Verify the signal source is strong and consistent.

8. SPECIFICATIONS

Feature	Specification
Brand	EQUUS
Model Number	5078 (Part Number: E5078)
Display Range	0 to 8000 RPM
Display Increments	100 RPM
Sweep Angle	270°

Feature	Specification
Dial Color	White
Illumination	Backlit, Lighted Pointer
Material	Alloy Steel, Zinc
Item Dimensions (L x W x H)	7.75 x 5.75 x 3.75 inches
Item Weight	14.4 ounces
Voltage	12V DC (nominal, 1 volt listed in specs is likely a typo or specific internal component rating)
UPC	047923050781
Included Components	3-3/8 Dia Tachometer 8000 RPM White Dial

9. WARRANTY INFORMATION

The EQUUS 5078 Tachometer comes with a **30-day warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from improper installation, accident, abuse, modification, or unauthorized repair.

For warranty claims, please retain your proof of purchase and contact the retailer or manufacturer's customer support.

10. CUSTOMER SUPPORT

If you have any questions regarding the installation, operation, or troubleshooting of your EQUUS 5078 Tachometer that are not covered in this manual, please contact EQUUS customer support or the retailer from whom you purchased the product.

Please have your product model number (5078) and proof of purchase available when contacting support.

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

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