ARTILAURA AR-Set6A-0001B

ARTILAURA 6 Gauge Set Instruction Manual

Model: AR-Set6A-0001B

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your ARTILAURA 6 Gauge Set. This set includes a GPS Speedometer, Tachometer, Fuel Level Gauge, Water Temperature Gauge, Oil Pressure Gauge, and Voltage Gauge, all featuring a 7-color backlight. Designed for marine, automotive, truck, bus, motorcycle, and off-road vehicle applications, these gauges are built with durable materials and an IP67 waterproof rating.

2. Product Overview

The ARTILAURA 6 Gauge Set provides essential vehicle monitoring with high accuracy and durability. Each gauge is constructed from 316L metal, rubber, and plastic, featuring scratch-resistant curved glass lenses.

Key Features:

- **Comprehensive Monitoring:** Includes GPS Speedometer, Tachometer, Fuel Level, Water Temperature, Oil Pressure, and Voltage gauges.
- **7-Color Backlight:** Customizable backlight options including red, green, blue, yellow, olivine, orange, and purple.
- **Durable Construction:** Made from 316L Metal, Rubber, and Plastic with scratch-resistant curved glass.
- **IP67 Waterproof Rating:** Ensures reliable performance in harsh marine and outdoor environments.
- **Wide Application:** Suitable for various vehicles including cars, marine vessels, boats, trucks, buses, motorcycles, and off-road vehicles.

Package Contents:

- GPS Speedometer
- Tachometer
- Fuel Gauge
- Water Temperature Gauge
- Oil Pressure Gauge
- Voltage Gauge
- GPS Antenna

- Tachometer Sensor (M16*1.5)
- Water Temperature Sensor (1/8 NPT)
- Oil Pressure Sensor (1/8 NPT)
- Fuel Level Sender (240-33 ohms)
- Installation Instructions (detailed wiring diagrams and mounting templates)

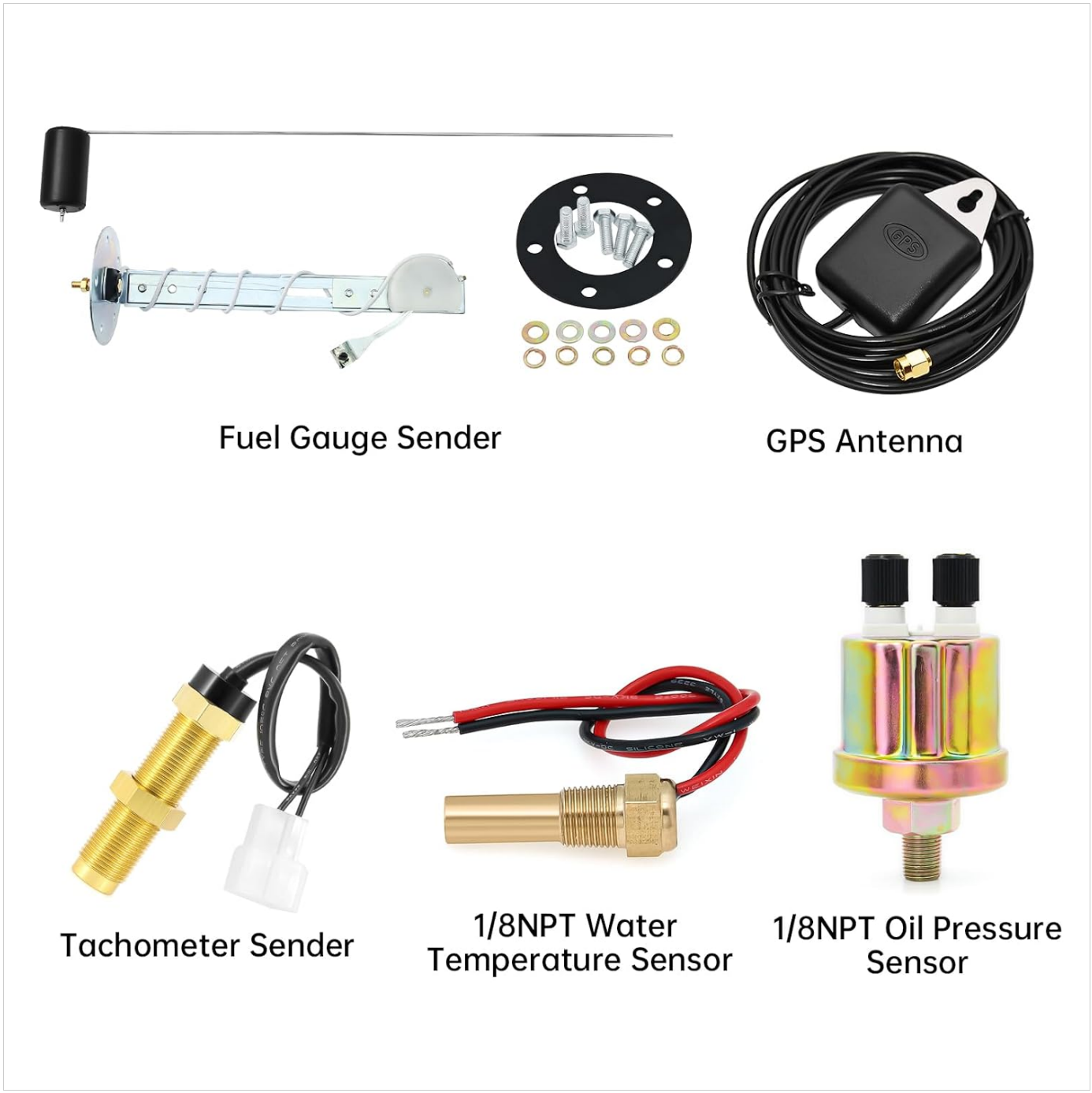


Image: All sensors and components included in the ARTILAURA 6 Gauge Set package.

3. Safety Information

- Always disconnect the vehicle's battery before beginning any electrical installation.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- Do not modify the gauges or sensors. Unauthorized modifications may void the warranty and pose safety risks.
- Consult a professional if you are unsure about any installation steps.
- Keep the gauges and sensors away from extreme heat, corrosive chemicals, and strong magnetic fields.

4. Setup and Installation

Proper installation is crucial for the accurate and reliable operation of your gauge set. Refer to the included detailed installation instructions for specific wiring diagrams and mounting templates.

Mounting Dimensions:

- **GPS Speedometer & Tachometer:** Requires a standard 85mm (3 3/8") diameter hole in the panel. Allow a clearance of 55mm (2 3/16") behind the panel.
- **Fuel Gauge, Water Temperature, Oil Pressure, & Voltage Gauges:**Require a 52mm (2 1/16") diameter hole in the panel.



Image: Detailed dimensions for the large (85mm) and small (52mm) gauges, showing front and rear views.

Wiring Connections:

Each gauge typically has the following wiring connections:

- **Black Wire:** Ground (-)
- **Red Wire:** Power (9-32VDC)
- **Yellow Wire:** Backlight
- Additional wires for signal input (e.g., RPM signal for Tachometer, sensor input for other gauges).



Image: Rear view of the gauges illustrating the wiring terminals for power, ground, and backlight, along with the backlight color change button.

Sensor Installation:

Install the included sensors (GPS Antenna, Tachometer Sensor, Water Temperature Sensor, Oil Pressure Sensor, Fuel Level Sender) according to your vehicle's specifications and the detailed instructions provided. Ensure all sensors are securely mounted and properly connected to their respective gauges.

Your browser does not support the video tag.

Video: This video demonstrates the features and functionality of the ARTILAURA 6 Gauge Set, including the GPS speedometer, tachometer, voltmeter, water temperature gauge, fuel level gauge, and oil pressure gauge. It highlights the 7-color backlight and waterproof design.

5. Operating Instructions

Power On/Off:

The gauges will power on automatically when the vehicle's ignition is turned on, provided they are wired correctly. They will power off when the ignition is turned off.

Backlight Control:

The gauges feature a 7-color backlight. To change the backlight color, locate the small button on the back of each gauge (as shown in the wiring diagram image). Press this button briefly to cycle through the available colors: red, green, blue, yellow, olivine, orange, and purple. The selected color will be saved until changed again.



Image: The ARTILAURA 6 Gauge Set showcasing the different 7-color backlight options available for customization.

GPS Speedometer Operation:

The GPS speedometer acquires satellite signals to display speed. Ensure the GPS antenna has a clear view of the sky for optimal performance. Initial signal acquisition may take a few moments.

Tachometer Operation:

The tachometer displays engine RPM. Ensure the tachometer sensor is correctly installed and connected to provide

accurate readings.

6. Maintenance

- **Cleaning:** Clean the gauge faces with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the glass or housing.
- **Connections:** Periodically check all wiring connections for tightness and corrosion, especially in marine environments.
- **Sensors:** Inspect sensors for any physical damage or debris that might affect their accuracy.
- **Waterproof Seals:** Ensure all seals and gaskets remain intact to maintain the IP67 waterproof rating.

7. Troubleshooting

Problem	Possible Cause	Solution
Gauges do not power on.	No power supply; incorrect wiring; blown fuse.	Check power and ground connections. Verify fuse in power line. Ensure 9-32VDC supply.
GPS Speedometer shows "Err" or no speed.	GPS antenna not connected; no satellite signal; antenna obstructed.	Ensure GPS antenna is securely connected and has a clear view of the sky. Relocate antenna if necessary.
Tachometer shows incorrect RPM or no reading.	Tachometer sensor faulty or incorrectly wired; incorrect pulse setting.	Check sensor connection and wiring. Consult detailed instructions for pulse setting if adjustable.
Fuel, Water Temp, or Oil Pressure gauge inaccurate.	Sensor faulty or incorrectly wired; incorrect sender resistance (for fuel).	Verify sensor connections and ensure the correct sensor type is used. For fuel, confirm sender resistance matches gauge (240-33 ohms).
Backlight not changing color.	Backlight wire not connected; button malfunction.	Check yellow backlight wire connection. Ensure the color change button is functioning.

8. Specifications

Feature	Specification
Brand	ARTILAURA
Model Number	AR-Set6A-0001B
Material	316L Metal, Rubber, Plastic
Waterproof Rating	IP67
Operating Voltage	9-32VDC
Backlight Colors	7 Colors (Red, Green, Blue, Yellow, Olivine, Orange, Purple)
GPS Speedometer Range	0 - 80 MPH
Tachometer Range	0 - 8000 RPM

Feature	Specification
Voltage Gauge Range	8 - 16V
Fuel Level Gauge Range	E - F (Resistance: 240-33 ohms)
Water Temperature Gauge Range	30 - 250°F (0 - 120°C)
Oil Pressure Gauge Range	0 - 150 PSI (0 - 10 BAR)
Large Gauge Diameter	85mm (3 3/8")
Small Gauge Diameter	52mm (2 1/16")
Thread Type (Sensors)	1/8 NPT (Water Temp, Oil Pressure)
Tachometer Sensor Thread	M16*1.5

9. Warranty and Support

For warranty information, please refer to the documentation included with your purchase or contact ARTILAURA customer support. If you encounter any issues or have questions regarding your ARTILAURA 6 Gauge Set, please reach out to our support team for assistance.

Contact Information: Please refer to the ARTILAURA official website or your purchase platform for the most current customer support contact details.

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