

Aramox Aramoxgd4u1pt87x538

Aramox Triple Gauge Set Instruction Manual

Model: Aramoxgd4u1pt87x538

1. PRODUCT OVERVIEW

The Aramox Triple Gauge Set is a universal 3-in-1 mechanical instrument designed to monitor critical vehicle parameters: water temperature, voltage, and oil pressure. This set is suitable for most hot rods and classic engines, including general 12V gasoline vehicles.

Key features include:

- **High Precision:** Professional manufacturing ensures accurate measurements.
- **Clear Readability:** White dial with red pointer provides a clear display, offering a greater safety margin than indicator lights.
- **Illuminated Gauges:** Easy to read in both sunny and dim conditions.
- **Durable Construction:** The frame is made of high-quality metal for enhanced wear resistance and durability.
- **Complete Accessories:** Comes with all necessary components for installation.

This triple instrument cluster aims to provide a better driving experience by keeping essential engine information readily available.

2. PACKAGE CONTENTS

Before beginning installation, please verify that all components are present in the package:

- 1 x Triple Gauge Set (Water Temp, Volts, Oil Pressure)
- 1 x Water Temperature Connection Pipe
- 2 x Connecting Cables
- 7 x Mounting Accessories
- 9 x Nuts
- 4 x Gaskets
- 4 x Iron Hoops

- 4 x Fixing Screws



Figure 2.1: Included accessories and components.

3. SETUP AND INSTALLATION

This triple gauge set is designed for universal application in 12V gasoline vehicles. Professional installation is highly recommended due to the electrical and mechanical connections involved. Ensure the vehicle's power is disconnected before starting installation.

3.1 Mounting the Gauge Cluster

The gauge cluster can be mounted in a suitable location within the vehicle's cabin, typically on or under the dashboard. Use the provided mounting accessories, nuts, and fixing screws to secure the cluster firmly.

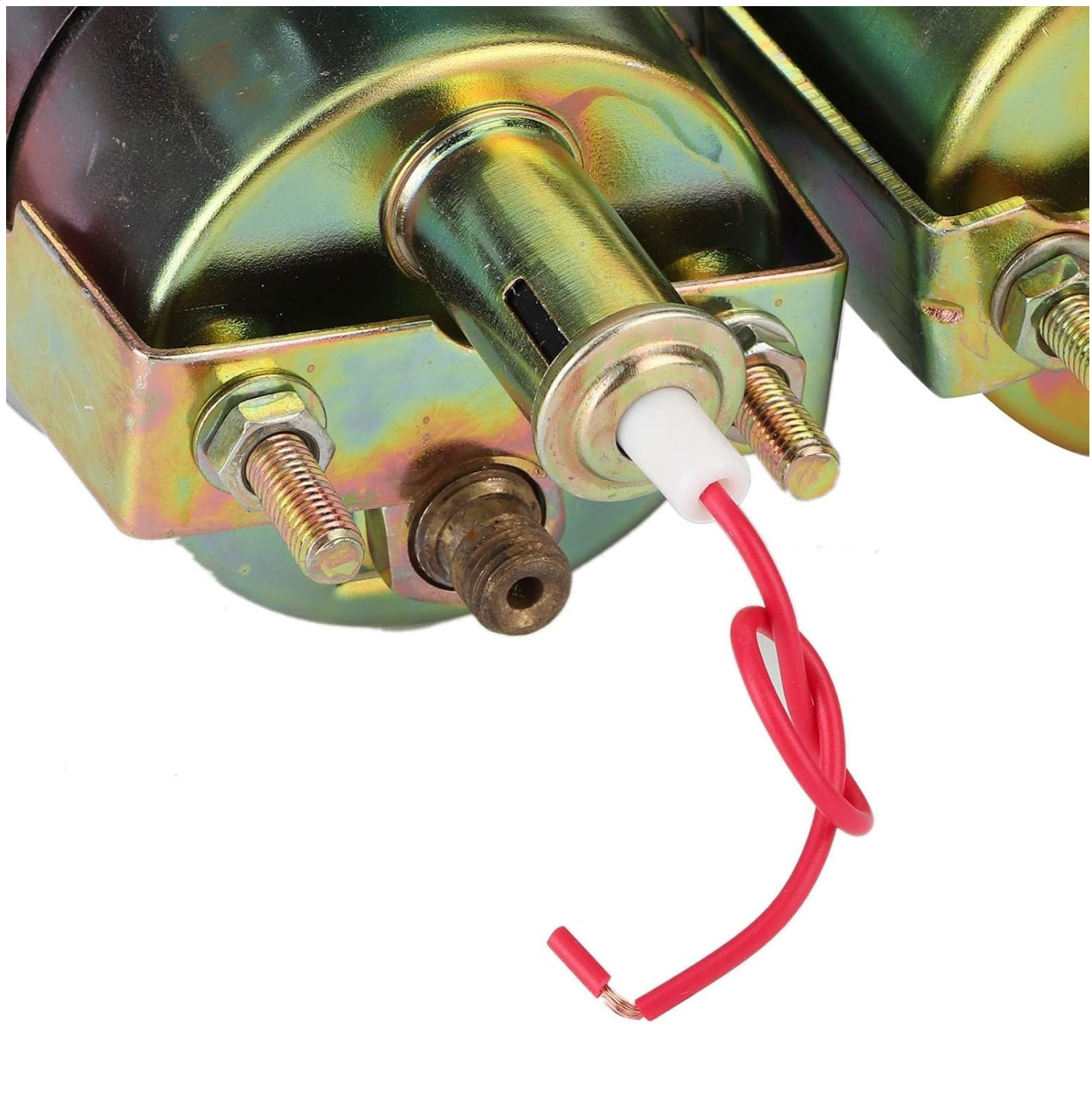


Figure 3.1: Gauge cluster dimensions for mounting reference.

Note: Measure your desired mounting location to ensure compatibility with the gauge cluster dimensions (approximately 65 x 180mm / 2.6 x 7.1in).

3.2 Electrical Connections

Connect the provided connecting cables to the back of the gauge cluster. One cable typically connects to a 12V ignition switched power source, and the other to a ground point. Ensure all connections are secure and properly insulated to prevent short circuits.



Figure 3.2: Rear view of the gauge cluster showing electrical connections.



Figure 3.3: Water temperature sensor.

3.3 Sensor Installation

- **Water Temperature Gauge:** Install the water temperature sensor into a suitable port in the engine's cooling system. The provided connection pipe may be used if a direct port is unavailable. Ensure a watertight seal.
- **Oil Pressure Gauge:** Install the oil pressure sensor into the engine's oil pressure port. Use appropriate adapters if necessary to ensure a secure, leak-free connection.
- **Voltmeter:** The voltmeter typically connects directly to the vehicle's 12V electrical system (ignition switched power) and ground, as mentioned in electrical connections.

After all connections are made, re-connect the vehicle's power and test the gauges for proper function. Check for any leaks around the water temperature and oil pressure sensor installations.

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Video 3.1: Overview of the 52mm Triple Gauge Kit components and general appearance. This video is provided by the seller, yinsx.

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Video 3.2: Demonstration of the Triple Gauge Kit, highlighting its universal application for 12V cars. This video is provided by

4. OPERATING INSTRUCTIONS

Once installed and powered, the gauges will display real-time readings of your vehicle's water temperature, voltage, and oil pressure.

4.1 Reading the Gauges

- **Water Temperature Gauge:** Displays engine coolant temperature in degrees Fahrenheit (100°F to 280°F). Monitor this gauge to ensure the engine operates within its normal temperature range. Overheating can indicate a cooling system issue.
- **Voltmeter:** Shows the vehicle's electrical system voltage (8V to 16V). A healthy charging system typically maintains voltage around 13.5V to 14.5V when the engine is running. Readings outside this range may indicate battery or alternator problems.
- **Oil Pressure Gauge:** Indicates engine oil pressure in pounds per square inch (0 to 100 psi). Normal oil pressure varies by engine and RPM, but a sudden drop or consistently low pressure can signal a serious engine problem.



High measure accuracy
white dial with red needle
provides a wider margin of safety than indicator lights
Illuminated gauge
easy to read in both sunny and dim conditions
Well designed frame and made of high quality metal
comes with complete accessories for easy installation

Figure 4.1: Gauges installed in a vehicle, showing readings.



Figure 4.2: Close-up of the gauges, highlighting readability.

4.2 Illumination

The gauges feature internal illumination, making them easy to read in low-light conditions or at night. This illumination activates when the vehicle's lights are turned on, or when connected to an appropriate switched power source.



Suitable for 12V gasoline vehicles
Triple gauge cluster includes water temp meter, volt meter, oil press meter



Figure 4.3: Illuminated gauges in dim conditions.

5. MAINTENANCE

The Aramox Triple Gauge Set requires minimal maintenance to ensure long-lasting performance and clear readability.

- **Cleaning:** Wipe the gauge faces and housing with a soft, damp cloth. Avoid using abrasive cleaners or solvents, as these can damage the plastic lens or chrome finish.
- **Connections:** Periodically check all electrical and sensor connections to ensure they remain tight and free from corrosion. Loose connections can lead to inaccurate readings or intermittent operation.
- **Sensor Integrity:** Inspect the water temperature and oil pressure sensors for any signs of damage or leaks. Address any issues promptly to prevent fluid loss or inaccurate readings.

6. TROUBLESHOOTING

If you encounter issues with your Aramox Triple Gauge Set, refer to the following troubleshooting tips:

- **No Power/No Illumination:**

- Check the 12V power connection and ground wire. Ensure they are securely connected and receiving power.
- Verify any inline fuses are intact and not blown.
- **Inaccurate Readings:**
 - **Water Temperature/Oil Pressure:** Check the sensor connections. Ensure the sensors are properly installed and making good contact with the fluid they are measuring. Verify there are no leaks.
 - **Voltmeter:** Ensure the voltmeter is connected directly to a stable 12V source and a good ground. Fluctuations might indicate issues with the vehicle's charging system.
- **Gauge Needle Not Moving or Broken:**
 - Inspect the gauge for physical damage. If a needle is visibly broken, the gauge unit may need replacement.
 - For non-moving needles, re-check all connections to the specific sensor and the gauge itself.
- **Metric vs. Standard Fittings:**
 - Some users have reported issues with fitting compatibility (e.g., metric fittings on the gauge end vs. standard on the motor end). Ensure you have the correct adapters for your specific vehicle's engine ports.

If troubleshooting steps do not resolve the issue, it is recommended to consult with a professional automotive technician or contact Aramox customer support for further assistance.

7. SPECIFICATIONS

Feature	Specification
Item Type	Triple Gauge Set
Material	Plastic + Metal
Color	Chrome Housing, White Dial, Red Needles
Size (Gauge Cluster)	Approx. 65 x 180mm / 2.6 x 7.1in
Individual Gauge Diameter	52mm / 2in
Water Temperature Gauge Range	100 to 280 °F
Voltmeter Range	8V to 16V
Oil Pressure Gauge Range	0 to 100 psi
Applicable Models	Suitable for 12V gasoline vehicles (most hot rods and classic engines, including GM, Mopar, Ford engines like 265, 283, 305, etc.)
Manufacturer	Aramox
Model Number	Aramoxgd4u1pt87x538
Country of Origin	China

Product Dimensions	1 x 1 x 1 cm; 100 g (packaging/shipping dimensions)
Item Weight	0.1 Kilograms

8. WARRANTY AND SUPPORT

Specific warranty details for the Aramox Triple Gauge Set are not provided in this manual. For information regarding warranty coverage, returns, or technical support, please refer to the product's purchase documentation or contact the seller/manufacturer directly.

When contacting support, please have your product model number (Aramoxgd4u1pt87x538) and purchase date readily available.