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PROSPORT 238SMBOSWL270-PK.PSI

Prosport 238SMBOSWL270-PK.PSI Boost Electrical Gauge User Manual

Model: 238SMBOSWL270-PK.PSI

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Prosport 238SMBOSWL270-PK.PSI Boost Electrical Gauge. This premium series gauge features a fully programmable warning function and peak recall ability, designed for precise monitoring of boost levels in supercharged or turbocharged vehicles. Its 270° LED display offers quick and accurate readings.



Figure 1: Front view of the Prosport Boost Electrical Gauge, illuminated in red.

2. PRODUCT COMPONENTS

The Prosport 238SMBOSWL270-PK.PSI Boost Electrical Gauge package includes the following components:

- Boost Electrical Gauge (60mm / 2 3/8")
- Mounting Cup
- Tubing Kit
- T-Adaptor
- Electric Sender
- Quick Connect Pigtail Wiring
- Visor
- Decal
- Instruction Manual (this document)



Figure 2: All included components: gauge, mounting cup, tubing, T-adaptor, sender, wiring, visor, and decal.

3. SETUP AND INSTALLATION

Proper installation is crucial for the accurate and safe operation of your boost gauge. It is recommended that installation be performed by a qualified professional.

3.1. Mounting the Gauge

1. Select a suitable mounting location within the vehicle's cabin that allows for clear visibility and does not obstruct driving.
2. Utilize the provided mounting cup for secure installation. The gauge is designed to be super thin, requiring less than 1.25 inches behind the bezel (including studs), allowing for tight mounting options.
3. Secure the mounting cup firmly using appropriate hardware.

3.2. Electrical Connections

The gauge operates on a 12V electrical system.

1. Connect the quick connect pigtail wiring to the gauge.
2. Wire the first gauge for power (12V ignition, ground, and illumination).
3. For multiple Prosport gauges, power can be daisy-chained from the first gauge to subsequent gauges using the provided daisy chain power leads.
4. Ensure all connections are secure and properly insulated to prevent short circuits.

3.3. Sender Installation

The boost gauge uses a precision electric sender to measure boost pressure, eliminating the need to route

hazardous fluids into the passenger compartment.

1. Identify a suitable vacuum/boost source on your vehicle's intake manifold or intercooler piping.
2. Install the T-Adaptor into the boost/vacuum line.
3. Connect the provided tubing kit from the T-Adaptor to the electric sender.
4. Mount the electric sender securely in a location away from excessive heat or vibration.
5. Connect the sender's wiring to the gauge's designated sender input.

4. OPERATING INSTRUCTIONS

Your Prosport Boost Electrical Gauge is designed for ease of use and advanced functionality.

4.1. Power-Up Sequence

Upon vehicle ignition, the gauge will perform a dramatic opening ceremony with a full pointer sweep, indicating a self-check and readiness for operation. A similar sweep will occur upon vehicle shutdown.

4.2. Reading the Gauge

The 270° dial sweep provides quick, at-a-glance accuracy of your current boost pressure, ranging from -30 inHg (vacuum) to +30 PSI (boost).



Figure 3: The gauge can display illumination in both amber and white colors.

4.3. Programmable Warning Function

The gauge features a fully programmable warning function to alert you when a pre-set boost limit is reached.

- **Setting the Warning:** All programming is done easily from the front push button on the gauge. Refer to the on-screen prompts or the detailed instructions provided with the gauge for specific steps to set your desired warning threshold.
- **Warning Indication:** Once the pre-set limit is reached, the gauge can be programmed to either beep, change color, or both, providing an immediate visual and/or audible alert. This feature is critical for preventing over-boost conditions and protecting your turbocharger.

4.4. Peak Recall Function

The gauge includes a peak recall ability, allowing you to view the maximum boost pressure achieved during operation. This is useful for tracking performance and tuning adjustments.

- **Accessing Peak Recall:** Use the front push button to cycle through display modes until the peak recall value is shown. Consult the detailed instructions for specific button press sequences.

5. MAINTENANCE

The Prosport Boost Electrical Gauge is designed for durability and requires minimal maintenance.

- **Cleaning:** Use a soft, damp cloth to clean the gauge face and body. Avoid abrasive cleaners or solvents that could damage the display or finish.
- **Connections:** Periodically check all electrical and sender connections to ensure they remain secure and free from corrosion.

6. TROUBLESHOOTING

If you encounter issues with your Prosport Boost Electrical Gauge, consider the following:

- **Gauge Not Powering On:**
 - Check all electrical connections (power, ground, ignition) for proper contact and voltage.
 - Verify the vehicle's fuse for the accessory circuit is intact.
- **Inaccurate Readings:**
 - Ensure the electric sender is properly installed and connected.
 - Check the tubing for any kinks, leaks, or obstructions.
 - Verify the sender's wiring is secure and free from damage.
- **Warning Function Not Activating:**
 - Re-check the programmed warning threshold to ensure it is set correctly.
 - Confirm the gauge is receiving accurate boost pressure readings.

For further assistance, please refer to the Warranty & Support section.

7. SPECIFICATIONS

Feature	Detail
Model Number	238SMBOSWL270-PK.PSI
Gauge Diameter	60mm (2 3/8")
Measurement Range	-30 inHg to +30 PSI
Display Type	270° Stepper Motor Driven LED Display
Illumination Colors	Amber / White (Switchable)
Special Features	Programmable Warning, Peak Recall, Memory
Sender Type	Electric
Mounting Depth	Less than 1.25" behind bezel (including studs)
Material	Metal
Manufacturer	Prosport Gauges Inc.

8. WARRANTY AND SUPPORT

8.1. Warranty Information

The ProSport 238SMBOSWL270-PK.PSI Boost Electrical Gauge comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product performs as described under normal use. Please retain your proof of purchase for warranty claims.

8.2. Customer Support

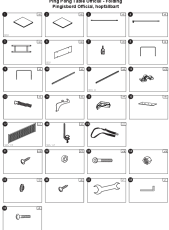
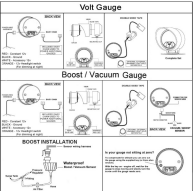
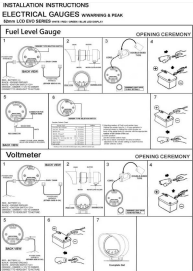
For technical assistance, troubleshooting, or warranty inquiries, please contact ProSport Gauges customer service.

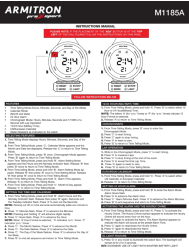


Online Support: Visit the official ProSport website for FAQs, additional resources, and contact information.

Contact: Refer to the contact details provided on the product packaging or the official ProSport Gauges website.

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Related Documents - 238SMBOSWL270-PK.PSI

	<p>ProSport Official Folding Ping Pong Table Assembly Instructions</p> <p>Detailed assembly instructions for the ProSport Official Folding Ping Pong Table, including a list of parts and step-by-step guidance.</p>
	<p>ProSport Gauges Premium EVO Series Installation Instructions</p> <p>Installation guide for ProSport Gauges Premium EVO Series Volt Gauge and Boost/Vacuum Gauge, including wiring and zeroing instructions.</p>
	<p>ProSport 52mm LCD EVO Series Electrical Gauges Installation Instructions</p> <p>Comprehensive installation guide for ProSport 52mm LCD EVO Series electrical gauges, covering Fuel Level Gauges and Voltmeters. Includes detailed wiring diagrams, component descriptions, and setup procedures for optimal performance and safety.</p>

	<p>Armitron M1185A/M1185 Digital Watch Instructions Manual</p> <p>Comprehensive instructions manual for the Armitron M1185A and M1185 digital watches, covering features, time setting, chronograph, alarm, timer, battery replacement, and service information.</p>
	<p>Armitron M1090 Digital Watch: User Manual and Limited Warranty</p> <p>Detailed instructions and limited lifetime warranty information for the Armitron M1090 digital watch, covering features, settings, service, and care.</p>
	<p>Armitron M1216 Watch Instructions Manual</p> <p>Comprehensive instructions manual for the Armitron M1216 digital watch, covering features, time and calendar settings, alarms, stopwatch, countdown timer, second time zone, EL backlight, battery replacement, water resistance, and service information.</p>