Milton S-986

Milton S-986 Dual Head Tire Pressure Gauge Instruction Manual

Model: S-986

1. Product Overview

The Milton S-986 Dual Head Straight Foot Service Gauge is engineered for precise and reliable tire pressure measurement, particularly designed for easily reaching inner dual tires on trucks, tractor trailers, semi-trucks, dually vehicles, and RVs. This robust gauge ensures accurate, long-lasting, and trouble-free performance.

Key Features:

- Precision engineered for accurate and reliable readings.
- Durable nickel-plated solid brass precision seamless drawn tube construction.
- Features a 4-sided nylon indicator bar for clear, non-pad printed readings.
- Dual head chuck design for versatile use on various valve stem types, including hard-to-reach inner duals.
- Measures pressure from 10 PSI to 160 PSI in 2 lb. increments.
- Also measures 80 to 1100 kPa in 20 kPa increments.
- Total length of 13 1/4 inches for extended reach.



Figure 1: The Milton S-986 Dual Head Tire Pressure Gauge, showcasing its straight foot and dual head design.

2. Setup

The Milton S-986 Tire Pressure Gauge requires minimal setup. It is ready for use directly out of the packaging.

Initial Inspection:

- Inspect the gauge for any visible damage from shipping.
- Ensure the indicator bar moves freely within the brass tube.

- Confirm both ends of the dual head chuck are clear of obstructions.

3. Operating Instructions

For accurate tire pressure readings, ensure tires are cold (driven less than one mile or stationary for at least three hours).

Checking Tire Pressure:

1. **Remove Valve Cap:** Unscrew the valve stem cap from the tire.
2. **Position Gauge:** Select the appropriate head on the dual-head chuck (straight or angled, depending on valve stem access). Firmly press the gauge straight onto the tire valve stem. You should hear a brief hiss of air as the gauge seats.
3. **Read Pressure:** The internal indicator bar will extend from the gauge, displaying the tire pressure. Read the measurement at the end of the extended bar.
4. **Remove Gauge:** Pull the gauge straight off the valve stem. The indicator bar will remain extended, holding the reading until manually reset.
5. **Reset Gauge:** Push the indicator bar back into the gauge body to reset it for the next reading.
6. **Replace Valve Cap:** Screw the valve stem cap back onto the tire to prevent dirt and moisture from entering the valve.

Understanding the Dual Head Chuck:

The S-986 features a dual-head chuck with a straight foot. This design allows for easy access to valve stems, especially on inner dual wheels where space is limited. The straight end is ideal for direct access, while the angled end can be used for valve stems that are slightly recessed or at an awkward angle.

4. Maintenance

Proper maintenance ensures the longevity and accuracy of your Milton S-986 Tire Pressure Gauge.

Cleaning:

- Wipe the exterior of the gauge with a clean, dry cloth after each use to remove dirt and grime.
- Avoid using harsh chemicals or abrasive cleaners, as these can damage the finish or internal components.

Storage:

- Store the gauge in a clean, dry environment, away from extreme temperatures and direct sunlight.
- Protect the chuck ends from impact or bending, which could affect their sealing ability.

5. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Inaccurate Reading	Gauge not fully seated on valve stem; gauge is dirty or damaged; tire not cold.	Ensure firm, straight connection to valve stem. Clean gauge. Check tire pressure when tires are cold. If issues persist, gauge may need replacement.
Air Leaks During Measurement	Improper seating of the chuck on the valve stem; worn valve stem; damaged chuck.	Apply firm, even pressure when attaching the gauge. Inspect valve stem for damage. Check chuck for debris or damage.
Indicator Bar Sticks	Dirt or debris inside the tube; bent indicator bar.	Gently try to free the bar. Avoid forcing it. If persistent, the gauge may be damaged internally and require replacement.

6. Specifications

Attribute	Detail
Model Number	S-986
Brand	Milton
PSI Range	10 PSI to 160 PSI (in 2 lb. increments)
kPa Range	80 to 1100 kPa (in 20 kPa increments)
Chuck Type	Dual Head Straight Foot
Total Length	13 1/4 inches
Material	Brass
Item Weight	1.6 ounces
Product Dimensions	15.5 x 4.25 x 0.5 inches
Included Components	SERVICE GAGE DUAL

7. Warranty and Support

Milton products are manufactured to high standards of quality and durability. For specific warranty information or technical support regarding your S-986 Dual Head Tire Pressure Gauge, please refer to the official Milton Industries website or contact their customer service department directly. Keep your purchase receipt as proof of purchase for any warranty claims.

Contact Information:

Website: www.miltonindustries.com

Customer Service: Refer to website for current contact details.

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