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› [Yellow Jacket](#) /

› [Yellow Jacket 78060 Gas Pressure Test Kit User Manual](#)

Yellow Jacket 78060



1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of the Yellow Jacket 78060 Complete Gas Pressure Test Kit. This kit is designed for accurate measurement of low gas pressures in inches of water column (W.C.) and ounces per square inch (oz/in²), suitable for various HVAC and gas appliance applications.

The Yellow Jacket 78060 features a sensitive diaphragm gauge with improved lamination strength, designed to withstand higher over-pressure. Its unique single bellows on brass plate design enhances durability and seal integrity.

2. SAFETY INFORMATION

WARNING: Read all safety instructions before operating this device.

- **Handle Test Kit Carefully:** Do not drop the test kit. The sensitive diaphragm gauge is susceptible to shock, which can affect its accuracy.
- **Avoid Over-Pressuring:** Consistent over-pressuring may permanently damage the gauge and impact its accuracy. Ensure the pressure being measured is within the gauge's specified range (0-35" W.C.).
- **Gas System Safety:** Always follow local codes and safety procedures when working with gas systems. Ensure all connections are secure to prevent gas leaks.
- **Personal Protective Equipment:** Wear appropriate personal protective equipment (PPE) when working with gas systems.
- **Professional Use:** This kit is intended for use by qualified technicians.

3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon opening the package:

- Yellow Jacket 78060 Gas Pressure Test Kit (0-35" W.C. gauge)
- Protective carrying case
- Flexible hose with tube nipple for system connection

4. SETUP

Follow these steps to prepare your Yellow Jacket 78060 Test Kit for use:

1. **Open the Case:** Carefully open the protective carrying case.
2. **Inspect Components:** Visually inspect the gauge, hose, and connections for any signs of damage or wear. Do not use if damaged.
3. **Connect Hose:** Attach the flexible hose to the gauge's connection port. Ensure a snug and leak-free connection.
4. **Prepare for System Connection:** The hose is equipped with a tube nipple for easy connection to a system manifold or test port. Ensure the system is depressurized before connecting the gauge.



Figure 1: Yellow Jacket 78060 Test Kit with gauge and hose in protective case. The inside lid displays important operating notes and gauge ranges.

5. OPERATING INSTRUCTIONS

The Yellow Jacket 78060 gauge provides readings in two scales: inches of water column (W.C.) and ounces per square inch (oz/in²).

1. **Connect to System:** Securely connect the tube nipple of the hose to the gas system's test port or manifold.
2. **Apply Pressure:** Slowly introduce pressure to the gauge. The needle will move smoothly as pressure increases and less smoothly as pressure is reduced.
3. **Take Reading:** For the most accurate reading, a service technician must lightly tap the gauge before taking

the final reading. This helps to relieve any built-up friction in the needle mechanism, ensuring a precise measurement.

4. Interpret Scales:

- The outer scale typically indicates pressure in inches of water column (W.C.).
- The inner scale typically indicates pressure in ounces per square inch (oz/in²).

5. Disconnect:

Once measurements are complete, slowly relieve pressure from the system and disconnect the gauge.

6. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your test kit:

- **Storage:** Always store the test kit in its protective carrying case when not in use. This protects the sensitive gauge from physical shock and environmental factors.
- **Cleaning:** Clean the exterior of the gauge and hose with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically inspect the hose for cracks, leaks, or damage. Replace if necessary.
- **Calibration:** While designed for durability, professional calibration may be required periodically to ensure continued accuracy, especially after significant impacts or prolonged use.

7. TROUBLESHOOTING

If you encounter issues with your Yellow Jacket 78060 Test Kit, consider the following:

• Inaccurate Readings:

- Ensure the gauge was lightly tapped before the final reading to overcome needle friction.
- Check for secure connections to prevent leaks, which can affect pressure readings.
- Verify the gauge has not been subjected to over-pressure or severe shock. If suspected, professional calibration or replacement may be necessary.

• No Needle Movement:

- Confirm that pressure is actually being applied to the gauge.
- Check for blockages in the hose or connection point.
- Inspect the gauge for visible damage.

• Leaks at Connections:

- Ensure all connections are tightened properly.
- Inspect O-rings or seals for damage and replace if necessary.

8. SPECIFICATIONS

Feature	Detail
Model Number	78060
Pressure Range	0-35 inches Water Column (W.C.)

Secondary Scale	Ounces per Square Inch (oz/in ²)
Gauge Type	Sensitive Diaphragm Gauge
Diaphragm Construction	Single bellows on brass plate for enhanced strength
Connection	Tube nipple for easy system manifold connection
Product Dimensions	9 x 9 x 6 inches
Item Weight	1.28 pounds
Manufacturer	Yellow Jacket

9. WARRANTY INFORMATION

Yellow Jacket products are manufactured to high-quality standards. For specific warranty terms and conditions applicable to the 78060 Gas Pressure Test Kit, please refer to the official Yellow Jacket website or contact their customer service. Keep your purchase receipt as proof of purchase for any warranty claims.

10. SUPPORT

For technical assistance, replacement parts, or further inquiries regarding your Yellow Jacket 78060 Gas Pressure Test Kit, please visit the official Yellow Jacket website or contact their customer support department. Contact information can typically be found on the manufacturer's website.

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