

## GrandCanyon\_MVQMKN

# Grand Canyon Millivolt Quick Mount Kit Natural Gas 82K BTU Instruction Manual

Model: GrandCanyon\_MVQMKN

## 1. INTRODUCTION

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This manual provides essential instructions for the safe installation, operation, and maintenance of your Grand Canyon Millivolt Quick Mount Kit. This 82,000 BTU natural gas kit is designed for use with Grand Canyon 2 or Grand Canyon 3 Burner systems and features a standing pilot for reliable ignition. Please read this manual thoroughly before installation and operation.

## 2. SAFETY INFORMATION

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**WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information, consult a qualified installer, service agency, or the gas supplier.**

- Always ensure proper ventilation when operating gas appliances.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Keep children and pets away from the appliance during operation.
- Never leave the appliance unattended while in use.
- Ensure all gas connections are tight and leak-free before operation.
- Only use natural gas as specified for this kit.

## 3. PACKAGE CONTENTS

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Verify that all components are present before beginning installation:

- Millivolt Valve (82K BTU)
- Heat Shield
- Pilot Assembly
- Various Fittings for Natural Gas Connection
- Instruction Manual

## 4. SETUP AND INSTALLATION

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This kit is designed for quick mounting with Grand Canyon 2 or Grand Canyon 3 Burner systems. Professional installation is recommended.

- 1. Unpack Components:** Carefully remove all items from the packaging and inspect for any damage.
- 2. Position Heat Shield:** Securely mount the heat shield in the designated area next to your Grand Canyon burner system. The heat shield protects the valve from excessive heat.
- 3. Install Millivolt Valve:** Attach the millivolt valve to the heat shield or burner system according to the specific instructions of your Grand Canyon burner. Ensure it is firmly secured.
- 4. Connect Pilot Assembly:** Connect the pilot assembly to the millivolt valve. Ensure all connections are tight.
- 5. Natural Gas Connection:** Connect the natural gas supply line to the millivolt valve using the provided fittings. Use appropriate pipe sealant on all threaded connections.
- 6. Leak Test:** After all connections are made, turn on the gas supply and perform a leak test using a soap and water solution on all gas connections. Bubbles indicate a leak. Tighten connections or replace parts as necessary.
- 7. Final Inspection:** Ensure all components are correctly installed and secured, and there are no obstructions around the pilot or burner area.



*Image 1: Overview of the Grand Canyon Millivolt Quick Mount Kit components. This image displays the millivolt valve, heat shield, and pilot assembly, illustrating the primary parts included in the kit for natural*

## 5. OPERATING INSTRUCTIONS

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This millivolt system operates with a standing pilot for ease of ignition.

- Pilot Ignition:** Locate the control knob on the millivolt valve. Turn the knob to the "PILOT" position. Press and hold the knob in while simultaneously pressing the igniter button (if present) or using a long lighter to ignite the pilot flame.
- Hold Pilot:** Continue to hold the control knob in for approximately 30-60 seconds after the pilot ignites. This allows the thermocouple to heat up and generate enough millivoltage to keep the pilot lit. Release the knob slowly. If the pilot extinguishes, repeat the process.
- Main Burner Ignition:** Once the pilot is steadily lit, turn the control knob from the "PILOT" position to the "ON" position. The main burner should ignite.
- Adjust Flame:** If your system includes a flame adjustment, you can now adjust the flame height as desired.
- Shut Down:** To turn off the main burner, turn the control knob to the "PILOT" position. The main burner will extinguish, but the pilot will remain lit. To turn off the entire system, including the pilot, turn the control knob to the "OFF" position.

## 6. MAINTENANCE

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Regular maintenance ensures safe and efficient operation of your millivolt kit.

- Annual Inspection:** Have the system inspected annually by a qualified service technician.
- Clean Pilot and Burner:** Periodically inspect the pilot assembly and burner ports for dust, debris, or insect nests. Clean with a soft brush or compressed air as needed. Ensure all openings are clear.
- Check Gas Connections:** Annually check all gas connections for leaks using a soap and water solution.
- Heat Shield:** Ensure the heat shield remains securely in place and is free from damage.
- Storage:** If the unit will not be used for an extended period, turn off the gas supply at the main shut-off valve.

## 7. TROUBLESHOOTING

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Refer to the following common issues and solutions before contacting a service technician.

Problem	Possible Cause	Solution
Pilot will not light or stay lit	No gas supply Pilot orifice clogged Thermocouple not heating Loose pilot connection	Check gas supply valve Clean pilot orifice Hold pilot knob longer; ensure pilot flame engulfs thermocouple tip Tighten pilot assembly connections

Problem	Possible Cause	Solution
Main burner will not ignite	Pilot not lit Control knob not in "ON" position Main burner orifice clogged	Ignite pilot first Turn control knob to "ON" Clean main burner orifice
Low flame or irregular flame pattern	Low gas pressure Burner ports clogged Incorrect air shutter adjustment	Consult gas supplier or qualified technician Clean burner ports Adjust air shutter (if applicable, consult technician)

## 8. SPECIFICATIONS

- Product Type:** Millivolt Quick Mount Kit
- Fuel Type:** Natural Gas
- BTU Output:** 82,000 BTU
- Ignition Type:** Standing Pilot
- Compatibility:** Grand Canyon 2 or Grand Canyon 3 Burner systems
- Product Dimensions:** 6 x 6 x 6 inches
- Item Weight:** 3 pounds
- Model Number:** GrandCanyon\_MVQMKN

## 9. WARRANTY INFORMATION

This Grand Canyon Millivolt Quick Mount Kit is covered by the manufacturer's limited warranty. Please refer to the warranty card included with your purchase or contact the manufacturer directly for specific terms and conditions. Keep your proof of purchase for warranty claims.

## 10. SUPPORT

For technical assistance, replacement parts, or further information, please contact the manufacturer or your authorized dealer. Always provide your product model number (GrandCanyon\_MVQMKN) and ASIN (B0CS6Y7DXD) when seeking support.