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Bernard 4981

Bernard 4981 Lincoln Adaptor Instruction Manual

Model: 4981

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1. INTRODUCTION

This manual provides essential information for the safe and effective use of the Bernard 4981 Lincoln Adaptor. Please read this manual thoroughly before installation, operation, or maintenance to ensure proper function and to prevent injury or damage.

The Bernard 4981 Lincoln Adaptor is designed to facilitate compatibility between specific welding equipment components. It is intended for professional use in welding applications.

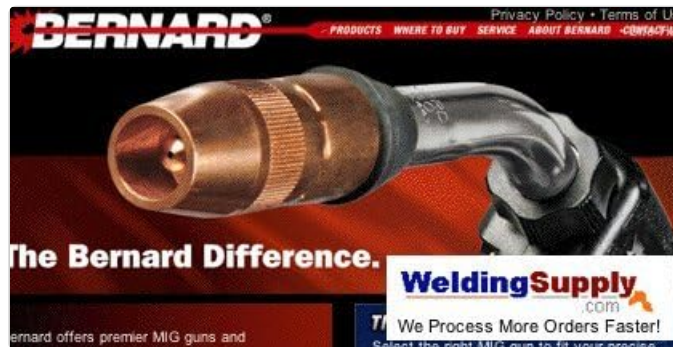


Figure 1: Bernard 4981 Lincoln Adaptor. This image shows the adaptor, which is a metallic component with threaded ends, designed to connect different parts of a welding system.

2. SAFETY INFORMATION

Always observe standard safety precautions when working with welding equipment. Failure to follow these instructions may result in serious injury or property damage.

General Safety Guidelines:

- Ensure all connections are secure and properly seated before operation.
- Do not modify the adaptor or use it for purposes other than its intended design.

- Inspect the adaptor for any signs of damage or wear before each use. Replace if damaged.
- Wear appropriate personal protective equipment (PPE) including welding gloves, eye protection, and protective clothing.
- Refer to the primary welding equipment's manual for additional safety instructions.

3. SETUP AND INSTALLATION

The Bernard 4981 Lincoln Adaptor is designed for straightforward installation. Follow these steps carefully:

1. **Preparation:** Ensure that the welding machine and associated components are powered off and disconnected from the power source.
2. **Identify Connection Points:** Locate the specific connection points on your welding gun and welding machine/feeder that require the adaptor. The Bernard 4981 is designed to connect a Bernard welding gun to a Lincoln Electric wire feeder or power source.
3. **Attach to Welding Gun:** Thread one end of the Bernard 4981 adaptor onto the appropriate connection point of your Bernard welding gun. Hand-tighten first, then use a wrench if necessary to ensure a snug, secure fit. Do not overtighten.
4. **Attach to Machine/Feeder:** Connect the other end of the adaptor to the corresponding receptacle on your Lincoln Electric wire feeder or power source. Again, hand-tighten and then use a wrench for a secure connection.
5. **Verify Connections:** Double-check all connections to ensure they are tight and free from any play. A loose connection can lead to poor performance or safety hazards.

Note: Always consult the specific manuals for your welding gun and welding machine for detailed connection diagrams and instructions.

4. OPERATING INSTRUCTIONS

The Bernard 4981 Lincoln Adaptor itself does not require specific operational steps beyond proper installation. Its function is to provide a secure and conductive interface between compatible welding components.

Post-Installation Checks:

- After installation, power on your welding equipment according to the manufacturer's instructions.
- Perform a functional test to ensure proper wire feed, gas flow, and electrical continuity through the adaptor.
- Listen for any unusual noises or observe any signs of arcing or overheating around the adaptor during initial operation. Immediately power off the equipment if any anomalies are detected.

The adaptor is designed to maintain the integrity of the welding circuit. Any issues related to welding performance should first be troubleshooted with the primary welding equipment.

5. MAINTENANCE

Regular inspection and basic maintenance will extend the lifespan of your Bernard 4981 Lincoln Adaptor and ensure safe operation.

Maintenance Schedule:

- **Before Each Use:** Visually inspect the adaptor for any signs of physical damage, such as cracks,

bends, or excessive wear on the threads. Check for any loose connections.

- **Monthly/Periodically:**

- Clean the adaptor surfaces to remove any accumulated dust, dirt, or welding spatter. Use a dry cloth or a soft brush. Do not use abrasive cleaners or solvents that could damage the material.
- Inspect the electrical contact surfaces for corrosion or pitting. If present, gently clean with a non-abrasive electrical contact cleaner.
- Ensure all threaded connections remain tight. Re-tighten if necessary, but do not overtighten.

Important: Always disconnect power to the welding equipment before performing any maintenance or inspection on the adaptor.

6. TROUBLESHOOTING

The Bernard 4981 Lincoln Adaptor is a passive component. Most issues related to welding performance will stem from the primary welding equipment. However, if you suspect the adaptor is causing a problem, consider the following:

Problem	Possible Cause	Solution
Poor electrical contact / Intermittent arc	Loose connection; Corroded or dirty contact surfaces; Damaged adaptor.	Ensure connections are tight. Clean contact surfaces. Inspect for damage and replace adaptor if necessary.
Gas leakage at adaptor connection	Loose connection; Damaged O-rings/seals (if applicable); Damaged threads.	Tighten connection. Inspect and replace O-rings/seals if present and damaged. Replace adaptor if threads are damaged.
Physical damage to adaptor	Impact; Overtightening during installation.	Replace the adaptor.

If troubleshooting steps do not resolve the issue, contact Bernard customer support or a qualified welding technician.

7. SPECIFICATIONS

The following are general specifications for the Bernard 4981 Lincoln Adaptor. Specifications are subject to change without notice.

Model Number: 4981

Part Number: 4981

Manufacturer: Bernard

Item Weight: Approximately 1 pound (0.45 kg)

Product Dimensions: Approximately 6 x 1 x 1 inches (15.24 x 2.54 x 2.54 cm)

Compatibility: Designed to adapt Bernard welding guns to Lincoln Electric wire feeders/power sources.

Package Quantity: 1

8. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts for your Bernard

4981 Lincoln Adaptor, please contact Bernard customer service directly.

Please have your model number (4981) and purchase information available when contacting support.

Manufacturer: Bernard

Note: Warranty terms and conditions may vary. Refer to the official Bernard website or your purchase documentation for the most current warranty information.