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Model: 104076

PRODUCT OVERVIEW

The Hypertherm 104076 Nozzle Adapter is designed for use with the LR2075 Fast Laser Cutting Head. This component facilitates the proper connection and function of the nozzle within the plasma cutting system, ensuring optimal performance and precision.



Image: The Hypertherm 104076 Nozzle Adapter, a brass-colored component with a threaded section and a green O-ring attached, shown alongside a separate red O-ring. This adapter is crucial for securing the nozzle in plasma cutting applications.

SETUP AND INSTALLATION

Proper installation of the nozzle adapter is critical for safe and efficient operation. Always refer to the complete plasma cutting system's manual for detailed instructions specific to your equipment.

1. **Safety First:** Ensure the plasma cutting system is powered off and disconnected from the power source before beginning any installation or maintenance. Allow components to cool if the system has been recently in use.
2. **Identify Components:** Locate the LR2075 Fast Laser Cutting Head and the designated slot for the nozzle adapter.
3. **Inspect Adapter:** Examine the Hypertherm 104076 Nozzle Adapter for any signs of damage, wear, or debris. Ensure the O-rings are intact and properly seated.
4. **Installation:** Carefully insert the nozzle adapter into its designated position on the cutting head. Ensure it is seated firmly and correctly aligned.
5. **Secure Connection:** If applicable, tighten any retaining mechanisms or thread the adapter into place.

according to the cutting head's specifications. Do not overtighten.

6. **Final Check:** Verify that the adapter is securely installed and that there are no gaps or misalignments that could affect performance or safety.

OPERATING CONSIDERATIONS

The nozzle adapter functions as a critical interface for the plasma cutting process. While it does not require direct user interaction during operation, its proper installation ensures:

- Accurate alignment of the nozzle for precise cutting.
- Secure containment of plasma gases and electrical connections.
- Efficient transfer of power and gas to the cutting arc.

Always operate your plasma cutting system within the manufacturer's specified parameters. Refer to your plasma cutter's main operating manual for detailed instructions on cutting procedures.

MAINTENANCE

Regular inspection and maintenance of the nozzle adapter will extend its lifespan and ensure consistent cutting performance.

- **Daily Inspection:** Before each use, visually inspect the adapter for any signs of wear, pitting, or damage, especially around the O-rings and threaded areas.
- **Cleaning:** If debris or residue accumulates, gently clean the adapter using a soft cloth. Avoid abrasive materials or harsh chemicals that could damage the surface or O-rings.
- **O-Ring Replacement:** The O-rings are consumable parts. Replace them if they appear cracked, flattened, or show signs of degradation to maintain a proper seal.
- **Storage:** When not in use, store the adapter in a clean, dry environment to prevent corrosion or damage.

TROUBLESHOOTING

If you experience issues with your plasma cutting system that might be related to the nozzle adapter, consider the following:

- **Poor Cut Quality or Arc Instability:** Check if the adapter is securely seated and free from damage. A loose or damaged adapter can lead to improper gas flow or electrical connection.
- **Gas Leaks:** Inspect the O-rings for wear or damage. Replace them if necessary to ensure a tight seal.
- **Difficulty Installing Nozzle:** Ensure the adapter's threads are clean and undamaged. Do not force the nozzle into place.

For persistent issues, consult the main operating manual of your Hypertherm plasma cutting system or contact Hypertherm customer support.

SPECIFICATIONS

Attribute	Detail
Manufacturer	Hypertherm

Part Number	104076
Model Number	104076
Product Dimensions	1 x 1 x 6 inches
Item Package Quantity	1
ASIN	B008BK3SKA
First Available Date	June 14, 2012

WARRANTY AND SUPPORT

For information regarding the warranty of your Hypertherm 104076 Nozzle Adapter, please refer to the warranty documentation provided with your complete Hypertherm plasma cutting system or visit the official Hypertherm website.

For technical support, replacement parts, or further assistance, please contact Hypertherm customer service directly. You can find contact information on their official website: www.hypertherm.com

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Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

