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› Hypertherm 028660 Leads, Ht2000 Tch Power 30' User Manual

Hypertherm 028660

Hypertherm Ht2000 Tch Power Leads

Model: 028660 | Brand: Hypertherm

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Hypertherm 028660 Leads for Ht2000 Tch Power systems. These leads are designed to provide reliable power and signal transmission for your plasma cutting torch, ensuring optimal performance and safety. Please read this manual thoroughly before using the product to ensure safe and efficient operation.

PRODUCT OVERVIEW



Figure 1: Hypertherm 028660 Leads, 30-foot length, coiled for packaging. The leads feature a durable braided metallic sheath and distinct connection points for power and control signals.

The Hypertherm 028660 Leads are a critical component for Hypertherm Ht2000 plasma cutting systems. This 30-foot cable assembly facilitates the connection between the power supply and the plasma torch, transmitting both electrical power and necessary control signals for precise cutting operations.

SETUP AND INSTALLATION

Proper installation of the leads is crucial for safety and performance. Always ensure the plasma cutting system is powered off and disconnected from the main power supply before beginning installation.

1. **Inspect Leads:** Before connecting, visually inspect the entire length of the 028660 leads for any signs of damage, cuts, or frayed insulation. Do not use damaged leads.
2. **Connect to Power Supply:** Identify the correct ports on your Hypertherm Ht2000 power supply unit. Carefully connect the corresponding ends of the 028660 leads. Ensure connections are secure and fully seated. Refer to your plasma cutter's main instruction manual for specific port identification.
3. **Connect to Torch:** Attach the other end of the leads to your Hypertherm plasma torch. Again, ensure a firm and secure connection.
4. **Cable Management:** Route the leads in a manner that avoids sharp bends, kinks, or areas where they could be pinched, cut, or exposed to excessive heat or sparks. Use cable ties or appropriate hangers to keep the leads organized and away from moving parts or hot surfaces.
5. **Grounding:** Verify that your plasma cutting system and workpiece are properly grounded according to local electrical codes and the plasma cutter's manual.

Warning: Incorrect installation can lead to equipment damage, electric shock, or fire. If unsure, consult a qualified technician.

OPERATING CONSIDERATIONS

While the 028660 leads are a passive component, their proper handling during operation contributes significantly to the overall safety and efficiency of your plasma cutting process.

- **Avoid Overstretching:** Do not pull or stretch the leads beyond their natural length or capacity. This can damage internal wiring or connections.
- **Protect from Damage:** Keep the leads away from sharp edges, hot metal, molten slag, and heavy objects that could crush or cut them.
- **Coiling:** When not in use, coil the leads loosely to prevent kinks and tangles. Avoid tight coiling, which can stress the internal conductors.
- **Environmental Factors:** Protect the leads from excessive moisture, oil, grease, and corrosive chemicals.

MAINTENANCE

Regular inspection and simple maintenance will extend the lifespan of your Hypertherm 028660 Leads.

- **Daily Inspection:** Before each use, quickly inspect the entire length of the leads for any visible damage, including cuts, abrasions, or signs of overheating (discoloration, melted insulation). Check the integrity of the connectors at both ends.
- **Cleaning:** If the leads become dirty, wipe them down with a clean, dry cloth. For stubborn grime, a slightly damp cloth with mild detergent can be used, ensuring the leads are completely dry before storage or next use. Do not use harsh solvents.
- **Storage:** Store the leads in a clean, dry environment, away from direct sunlight, extreme temperatures, and corrosive materials. Coil them loosely and hang them if possible to prevent kinking.
- **Connector Care:** Keep the connector pins and sockets clean and free of debris. Ensure they are not bent or corroded.

Caution: Never attempt to repair damaged leads. Damaged leads must be replaced immediately to prevent electrical hazards and ensure proper system function.

TROUBLESHOOTING

If you experience issues with your plasma cutting system that you suspect are related to the leads, consider the following:

Problem	Possible Cause	Solution
No arc/No power to torch	Loose or disconnected leads; Damaged leads (internal break)	Check all lead connections at both the power supply and torch. Inspect leads for visible damage. Replace leads if damaged.
Intermittent arc/Power fluctuations	Poor connection at lead ends; Partially damaged leads	Ensure connections are tight. Flex leads gently along their length to check for intermittent breaks (do this with power off). Replace if issues persist.

Problem	Possible Cause	Solution
Leads overheating	Overload; Damaged insulation; Incorrect lead gauge (not applicable for this specific product)	Ensure the plasma cutter is operating within its rated capacity. Inspect leads for damage. If leads are consistently hot, consult a qualified technician or replace them.

For more complex issues, refer to your Hypertherm Ht2000 plasma cutting system's main troubleshooting guide or contact Hypertherm customer support.

SPECIFICATIONS

Attribute	Detail
Brand	Hypertherm
Model Number	028660
Part Number	028660
Compatibility	Hypertherm Ht2000 Tch Power systems
Length	30 feet
Item Weight	20.2 pounds
Package Dimensions	1 x 1 x 6 inches (packaging)
Item Package Quantity	1

WARRANTY AND SUPPORT

For information regarding the manufacturer's warranty for the Hypertherm 028660 Leads, please refer to the documentation provided with your original Hypertherm Ht2000 plasma cutting system or contact Hypertherm directly.

For technical support, replacement parts, or further assistance, please contact Hypertherm customer service through their official website or authorized distributors.

Hypertherm Official Website: www.hypertherm.com