

MAX200[®]

Work Lead Repositioning

***Field Service Bulletin
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Hypertherm
*The world leader in
plasma cutting technology*

MAX200

**Work Lead
Repositioning**

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MAX200: Work Lead Repositioning

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INTRODUCTION

**WARNING**
All work must be performed only by qualified personnel!

Purpose

The arc transfer sensor (current sensor) can be influenced by the electric field of the work lead, resulting in a reduction in total output current. If the work lead is routed too close to the current sensor, the 200 amp process may experience decreased output.

This bulletin provides instructions for repositioning the work lead away from the current sensor to alleviate this problem.

General



Instructions are provided for identifying effected components, checking work lead-to-sensor clearance and repositioning the work lead if required.

Recommended Compliance

Systems experiencing problems maintaining output when cutting at 200 amps	→	<i>Immediate</i>
All other MAX200 power supplies	→	<i>Next Service Interval</i>

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INSTRUCTIONS

		<p style="text-align: center;">WARNING ELECTRIC SHOCK CAN KILL</p>
<p>Turn off the power, unplug the power cord and wait 5 minutes before opening the power supply. If the power supply is directly connected to a line disconnect switch, place switch in the OFF position. In the U.S., use a "lock-out / tag-out" procedure until the service or maintenance work is complete. In other countries, follow appropriate local or national safety procedures.</p>		

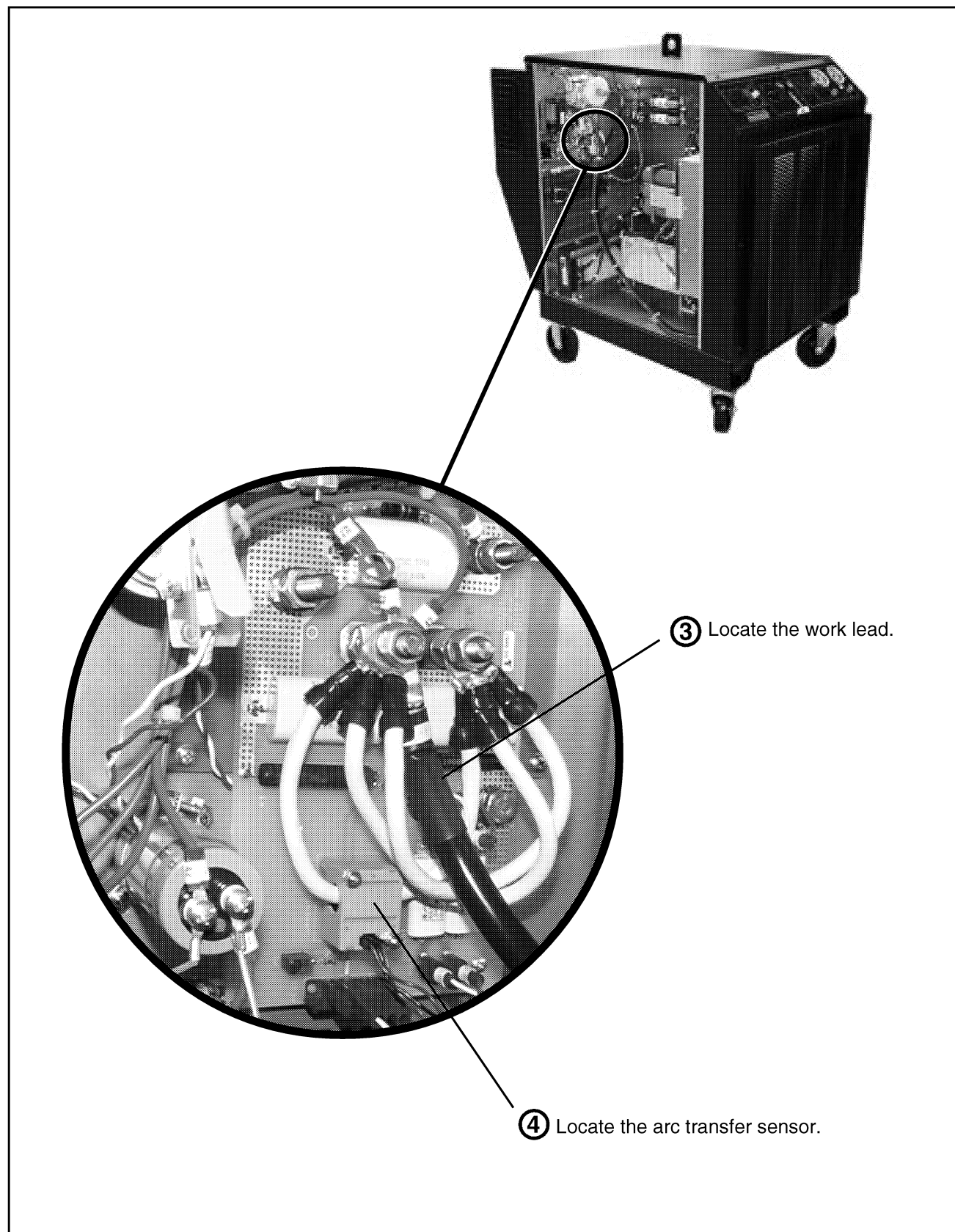
Access Power Supply Components

- ① Turn off power to the power supply and wait 5 minutes before removing the side panel.
- ② Remove the right-hand side panel of the power supply.



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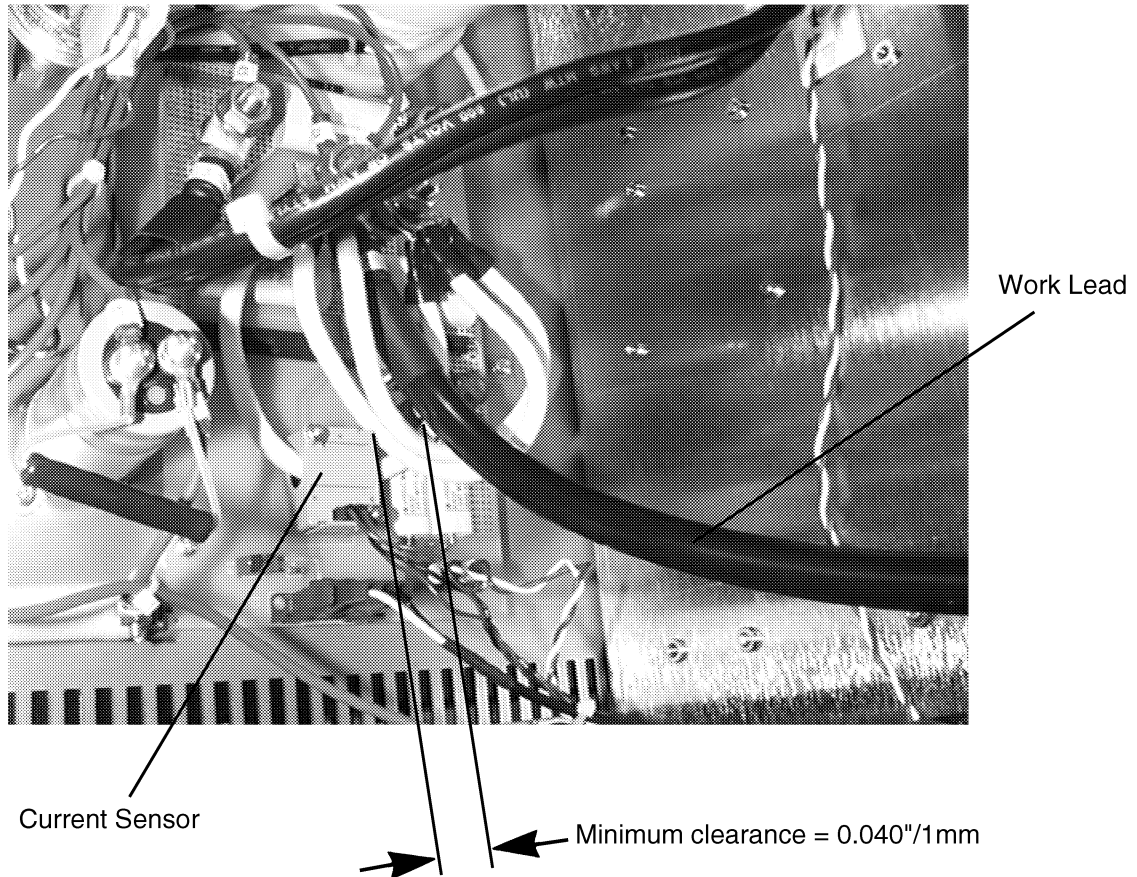
Identify Work Lead and Current Sensor



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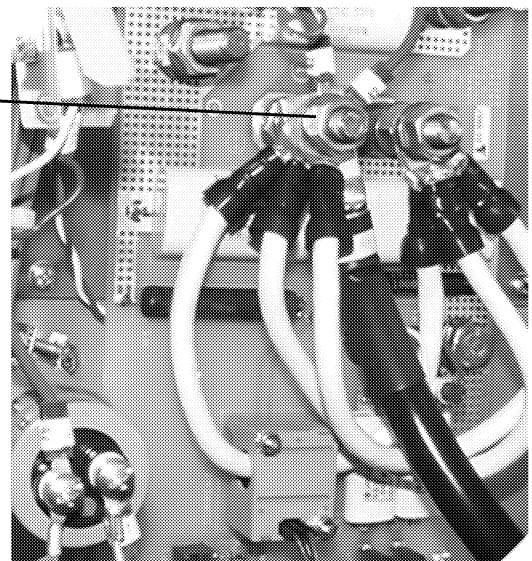
Check and Correct Lead-to-Sensor Clearance

- ⑤ Check clearance between the current sensor and the work lead.



- ⑥ If clearance is less than minimum:

1. Loosen the work lead connection to the PC board (PCB5).
2. Position the lead away from the sensor.
3. Retighten the lead connection.



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Reinstall Power Supply Side Panel

- ⑦ Install the right side panel to the power supply.



- ⑧ Turn on power to the power supply.