

# ***MAXPRO200*** ***Pressure Transducer Replacement***

**Field Service Bulletin**

**807810 – Revision 0 – April 2013**

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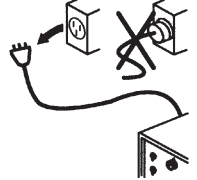
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	<p><b>DANGER!</b> <b>ELECTRIC SHOCK CAN KILL</b></p>
	<p>Disconnect electrical power before performing any maintenance. All work requiring removal of the power supply cover must be performed by a qualified technician. See the <i>Safety</i> section of the system's manual for more safety precautions.</p>

## Introduction

This Field Service Bulletin explains how to replace the pressure transducer in the MAXPRO200 gas manifold.

## Kit 428042 contents

Part number	Description	Quantity
123878	Pressure transducer with cable	1

## Required tools and materials

- 3/8 inch wrench
- Flat blade screwdriver

## Pressure Transducer Replacement

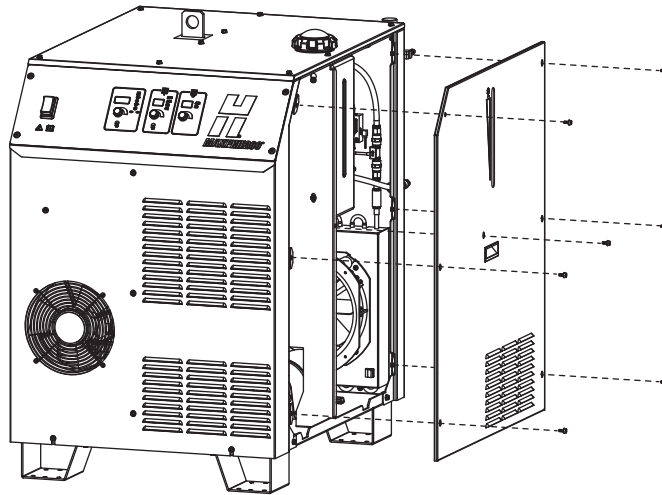
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### Turn OFF all supply gases at the source

With the supply gases OFF, turn ON the power to the system. The system will show error code 044 for low plasma gas pressure or 053 for low shield gas pressure and will not advance from status 002 (gas purge). Turn OFF the power again. This will open the inline valve and release any remaining pressure in the plasma gas line.

### Remove right-side panel

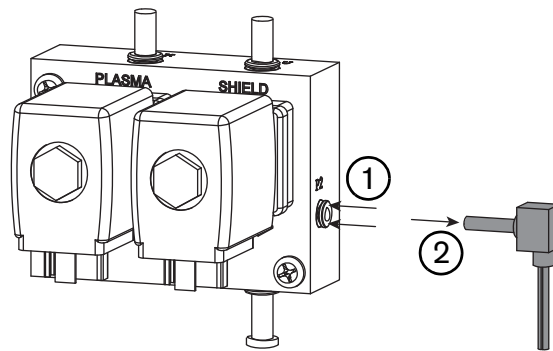
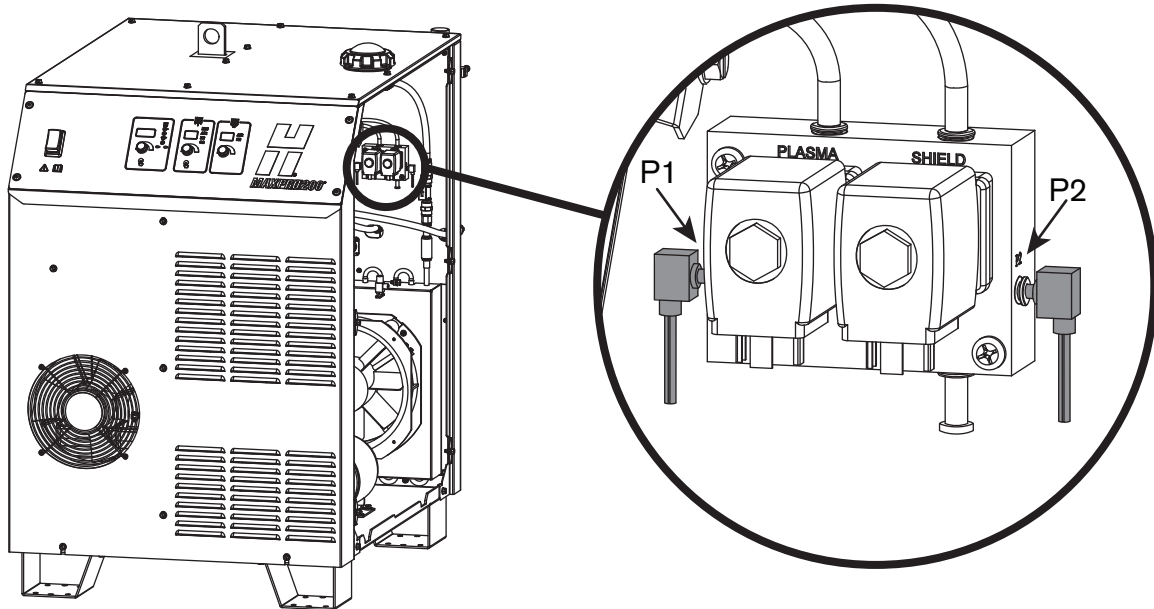
1. Turn OFF power to the system.
2. Disconnect line power by turning OFF the main disconnect switch.
3. Use a 3/8 inch wrench to remove the side panel screws.



## Remove the old pressure transducers

**Note:** The pressure transducer for the shield gas line (P2) is shown being replaced below. The process is identical for the plasma gas line pressure transducer (P1).

1. Use a flat blade screw driver to press the push-to-connect collar, for the pressure transducer you are replacing, against the gas manifold.

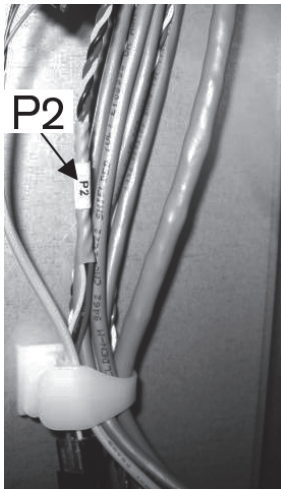


2. Pull the pressure transducer away from the gas manifold. It is possible that there will be trapped pressure in the line that will be released when you remove the pressure transducer. This is normal.

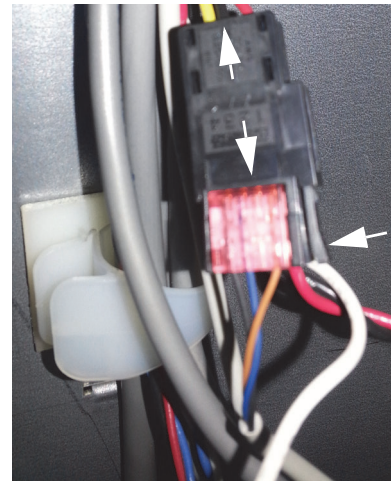
## Pressure Transducer Replacement

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3. To disconnect the pressure transducer wire from the wire harness that is marked with the same label as the manifold, press the release lever as shown below and pull the two halves of the connector apart.



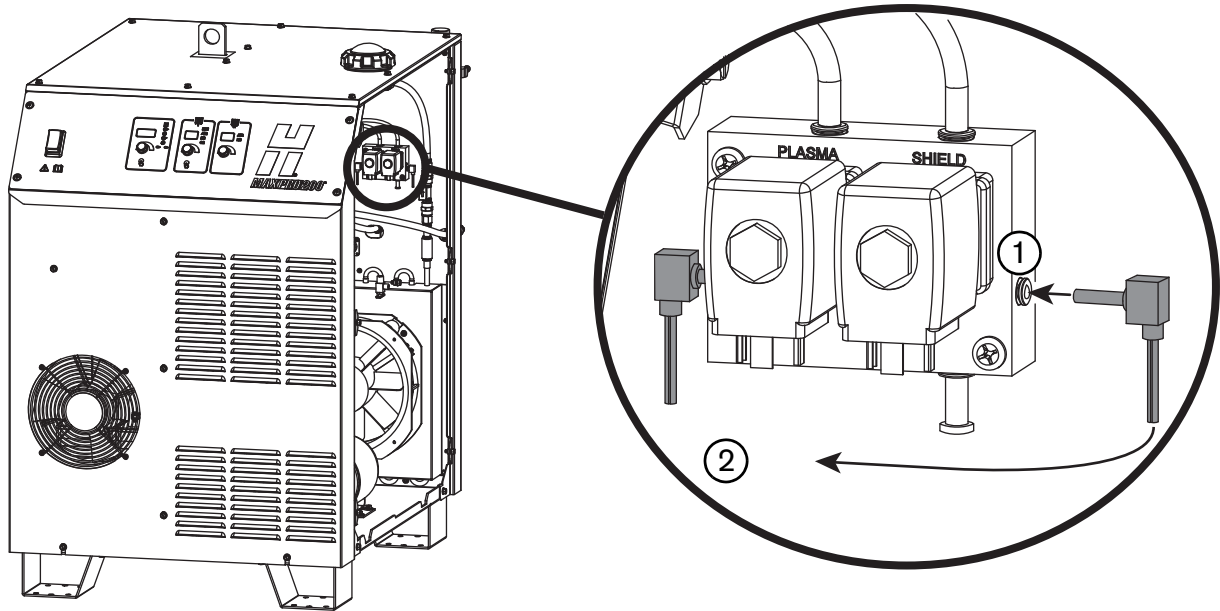
**Labeled wire harness**



**Connector release lever**

## Install the new pressure transducer

1. Insert the pressure transducer into the gas manifold until it stops.
2. Run the wire from the pressure transducer through the wire clips attached to the rear and center panels of the power supply and connect it to the wire harness marked with the same label as the manifold.



3. Reinstall the right side panel.
4. Turn On the power to the system and the supply gases and the installation is complete.