FIELD INSTALLATION INSTRUCTIONS

TITLE:	Setting Electrode Gaps
NAME:	FII-014
ISSUE DATE:	3 July 2013
REVISION:	2

PURPOSE:

The intention of this FII is to demonstrate the procedure to set and adjust the electrode spacing on the burner electrode assembly.

TOOLS REQUIRED:

From left to right: Ratchet, 5/16 Socket, 7/16 Wrench, Flathead Screwdriver, Mallet, 3/8 Socket, T501 Gauge.

PROCEDURE:

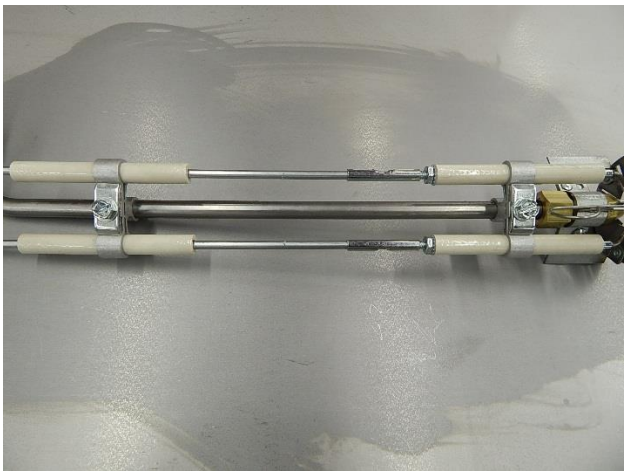


Figure 1: Electrode burner assembly and fasteners

Step 1: Remove burner electrode assembly from blast tube. See FII-012 (Nozzle Change) if unsure on how to do so.

Step 2: On the top of the burner electrode assembly there is a single screw in the center which holds the electrode insulator kits in place. Loosen this screw just enough so that you can move the electrode insulator kits. See Figure 1 for center screw location.

Figure 2: Loosening fasteners to position electrode

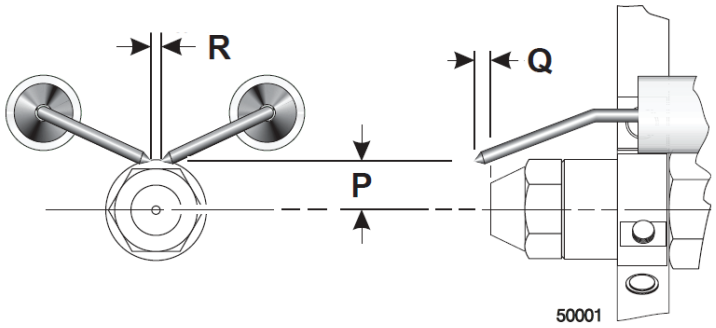
Step 3: With this screw loosened, slide and adjust the electrode insulator kits to desired location, use a T501 gauge to help guide you. See Figure 2 for example of adjusting electrode positions.

NOTE: When making these adjustments you should follow the suggested distances for these three parameters: Nozzle centerline to electrode tip, nozzle face to electrode tip, and electrode spacing.

Step 4: Once you are satisfied with the position of the electrodes, tighten the single center screw on the burner electrode assembly to lock the electrode insulator kits in place.

Step 5: Replace the burner electrode assembly back into the blast tube.

P – Nozzle centerline to electrode tip
Q – Nozzle face to electrode tip
R – Electrode spacing



Suggested Electrode Settings				
Unit	Date	P	Q	R
IDF 350	As of 2007	1/4	1/8	5/32
IDF 350-II	As of 2009	3/16	1/4	3/16
IDF 500	As of 2009	3/16	1/4	3/16
	Prior 2008	1/4	1/8	5/32
OHV 200	As of 2006	1/4	1/8	5/32
OHV 350	As of 2006	7/16	1/16	5/32
OHV 500	As of 2006	7/16	1/16	5/32