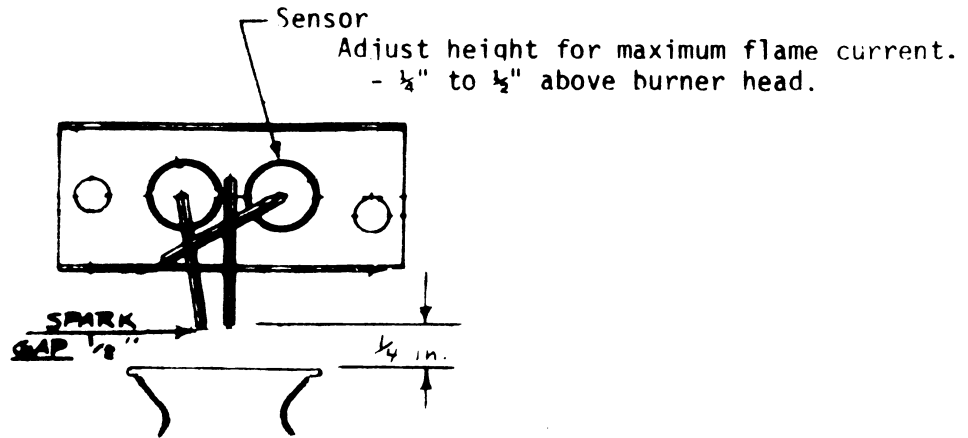


ELECTRODE SETTINGS  
65900 Series



- (b) Check electrode leads and determine there is no corrosion at the terminals. If there is corrosion, clean it off.
- (c) Check ceramic insulators for cracks, foreign matter, and carbon. If there are cracks, replace electrodes. If there is carbon or foreign matter, clean it off.
- (d) Check high voltage lead wire for cracks or breaks. If there are cracks, breaks or chaffing, replace high voltage wire.
- (e) Check that the high voltage lead wire is not too close to a metal surface to insure that arcing will not occur at any point other than across the H.V. electrode. Also, insure that the high voltage lead wire is not taped or connected to a metal frame along its length, sharp metal edges, or crossing, **DO NOT BUNDLE WITH OTHER WIRES**. Always leave one inch spacing between the high voltage lead wire and any other metal or wires.
- (f) For best operation, the high voltage wire should be as short as possible and should not exceed 24 inches in length.
- (g) Check to insure that the high voltage terminal is clear of dust, moisture or any foreign matter that could create high voltage leakage to ground.

4. Valve malfunction. With power applied to the ignitor, sparking should occur and the solenoid valve should open simultaneously. If sparking occurs but the valve does not open, place a volt meter between Terminal 4 on the input connector and ground (or across valve). Recycle the ignitor by turning the thermostat down for five seconds minimum and then back up and determine if voltage is present at the valve. [Terminals 4 (valve) and 6 (ground) in Figure 1.] If voltage is present and the valve does not open, remove wires from the valve terminals and retest the valve on a known voltage source. If valve still does not function, it should be replaced. If the voltage is not present at Terminals 4 and 6, the ignitor should be replaced. Check p.c. connector area. (Clean with soft rubber eraser only.) Also, check the terminals in the plastic connector for good contact.