Low Fire/Natural Gas Applications Installation

1. **Low Fire Application/Low Temperature Rise**
   This application is to acquire a low temperature rise above ambient temperature. In order to accomplish this, some of the holes in the burner pipe may need to be plugged to allow a lower firing rating. Working from the top of the burner pipe place a quantity of 6 ($^5/_{16}$ X $^3/_4$) self tapping screws (960592) in the burner pipe and try adjusting the regulator pressure to get the temperature rise desired. If the temperature rise is still higher than desired and flame can not be maintained at a lower regulator pressure setting, continue to add two more screws starting at the bottom of the burner pipe and again check the firing rate for the desired application. Note: Avoid plugging the burner pipe holes directly in front of the spark plug, this will cause the burner to fail to ignite properly. The flame probe may need to be repositioned lower on the burner so that it is in an area of higher flame intensity after the installation of the screws.

2. **Natural Gas Applications/Low Inlet Gas Pressure**
   This application is when the gas supply is not sufficient to maintain a flame in the heater unit even when the gas regulator is fully open. Working from the top of the burner pipe place a quantity of 6 ($^5/_{16}$ X $^3/_4$) self tapping screws (960592) in the burner pipe with the regulator in a fully open position. If the flame is still not maintained repeat the process by continuing to add two more screws starting at the bottom of the burner pipe and again check the firing rate for the desired application. Note: Avoid plugging the burner pipe holes directly in front of the spark plug, this will cause the burner to fail to ignite properly. The flame probe may need to be repositioned lower on the burner so that it is in an area of higher flame intensity after the installation of the screws.

Note: In both cases the number of screws placed in the burner pipe will vary. Each individual case will be different for each customer to accomplish their given firing rate needed for their particular application.