

Service Bulletin

Subject: Ignition Problems with Propane-Butane Mix

11/6/ 2017

Frymaster 30-lb fryers, JLOV, FilterQuick and OCF, running on a propane-butane mix can exhibit ignition problems — hard ignition or no ignition — when the caloric value of the gas is too high or the pressure is too high or both. The fryer is over gassed.

The enrichment tube in the fryer's igniter can be damaged in an over gassed fryer. **See figure 1.**

A remedy for fryers exhibiting this problem on this gas mix:

- Reduce the orifice size to 1.88mm from the original 1.95 (2.05mm on older fryers).



Figure 1: Igniter enrichment tube damaged by high-pressure or high caloric value propane-butane gas mix.