HEATING
TROUBLESHOOTING
CHART

Litho U.S.A.

HEATING TROUBLE SHOOTING CHART

G	EN	ER	AL	E	LE(CTR	IC		***********		OIL	. BL	JRNE	RS			o processor !		PO B	WE	R G	AS RS		NA PARAMETERS		ΔTΝ	G. IOS	AS PHE	RIC			
ODOR	AIR NOISE	MECHANICAL NOISE	COST OF OPERATION	TOO MUCH HEAT - FURNANCE RUNS CONTINUOUSLY.	TOO MUCH HEAT - FURNACE CYCLES TOO LONG.	NOT ENOUGH HEAT - FURNACE CYCLES TOO SHORT.	NO HEAT - FURNACE FAILS TO HEAT.	COMBUSTION NOISE.	TOO MUCH HEAT - BURNER RUNS CONTINUOUSLY.	TOO MUCH HEAT – BURNER CYCLES TOO LONG.	NOT ENOUGH HEAT - BURNER RUNS CONTINUOUSLY.	NOT ENOUGH HEAT - BURNER CYCLES TOO SHORT.	FLAME BEFORE LOCKING OUT ON SAFETY.	NO HEAT - BURNER STARTS AND FIRES, THEN SAFTIES OUT.	NO HEAT – BURNER STARTS BUT FAILS TO IGNITE.	NO HEAT — BURNER FAILS TO START.	COMBUSTION NOISE	TOO MUCH HEAT - BURNER RUNS CONTINUOUSLY.	TOO MUCH HEAT — BURNER CYCLES TOO LONG.	NOT ENOUGH HEAT — BURNER RUNS CONTINUOUSLY.	NOT ENOUGH HEAT – BURNER CYCLES TOO SHORT.	NO HEAT — BURNER STARTS AND FIRES, THEN SAFTIES OUT.	NO HEAT - BURNER STARTS BUT FAILS TO IGNITE.	NO HEAT - BURNER FAILS TO START.	COMBUSTION NOISE	TOO MUCH HEAT - BURNER RUNS CONTINUOUSLY.	TOO MUCH HEAT — BURNER CYCLES TOO LONG.	NOT ENOUGH HEAT — BURNER RUNS CONTINUOUSLY.	NOT ENOUGH HEAT — BURNER CYCLES TO SHORT.	NO HEAT-BURNER FAILS TO START.	TO VERIFY USE SERVICE PROCEDURE "V" Denotes Visual Inspection GENERALLY THE CAUSE – ALWAYS MAKE THESE CHECKS FIRST CCCASIONALLY THE CAUSE, MAKE THESE CHECKS ONLY IF ABOVE CHECKS FAIL TO LOCATE TROUBLE. A RARELY THE CAUSE, MAKE THIS CHECK ONLY IF PREVIOUS CHECKS FAIL TO LOCATE TROUBLE CONDITION	
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			Δ		•				•			> > 9				•											•) }	OPEN DISCONNECT SWITCH OR BLOWN FUSE V FAULTY WIRING V LOOSE TERMINALS V CONTROL TRANSFORMER CONTROL RELAY OR CONTACTOR LIMIT CONTROLS FAN CONTROL THERMOSTAT HEAT ANTICIPATION TOO HIGH THERMOSTAT HEAT ANTICIPATION TOO LOW THERMOSTAT LEVEL V THERMOSTAT LOCATION V	
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		>	> •																												THERMOCOUPLE REGULATOR FLAME DETECTOR OR ELECTRODE FUEL PUMP NOZZLE ELECTRODES BURNER MOTOR PRIMARY OR SAFETY CONTROLS IGNITION TRANSFORMER OIL VALVE	211
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	_														8								> > 8								DISPLACED OR DAMAGED BAFFLES BLOCKED HEAT EXCHANGER V FUEL LINES INPUT TOO HIGH INPUT TWO LOW GAS PRESSURE OIL SUPPLY AND OIL PRESSURE MANUAL FUEL VALVE V PILOT VALVE V	STION FUEL SUPPLY
																															WATER IN OIL V GAS METER V RESTRICTIONS V HUMIDIFIER STAGNANT WATER V	Y GENERAL