

- 2) MOVE THE "OFF RESET/RUN SWITCH" TO OFF.

TEST FUNCTION #1 (CONT.)

- 3) CONFIRM THAT THE MAGNELATCH VALVE IS CLOSED.
- 4) RE-START GUARDIAN USING NORMAL START-UP PROCEDURES.

TEST FUNCTION #2

- 1) START WITH THE PILOT FLAME ON.
- 2) CLOSE THE MANUAL GAS VALVE TO THE PILOT BURNER.
- 3) ALLOW TIME FOR THE RESIDUAL GAS IN THE PILOT LINES TO BE DEPLETED.
- 4) AFTER THE PILOT IS OUT, THE GUARDIAN SHOULD ATTEMPT TO LIGHT THE PILOT. THE SPARK SHOULD CONTINUE FOR APPROXIMATELY 15 SECONDS.
- 5) AFTER FAILING TO RE-LIGHT THE PILOT, THE SOLENOID VALVE SHOULD CLOSE.
- 6) OPEN THE VALVE FOR THE PILOT GAS SUPPLY.
- 7) RE-START THE GUARDIAN AND AFTER THE PILOT FLAME IS PROVEN, OPEN THE FUEL VALVE.

TEST FUNCTION #3

- 1) START WITH THE PILOT AND MAIN FLAMES OFF.
- 2) CLOSE THE SUPPLY VALVE TO THE PILOT BURNER.
- 3) RE-START THE GUARDIAN. OPEN THE PILOT SOLENOID VALVE.
- 4) THE ELECTRODE SHOULD ARC FOR APPROXIMATELY 15 SECONDS WHILE ATTEMPTING TO LIGHT THE PILOT.
- 5) THE PILOT VALVE SHOULD CLOSE AND THE IGNITOR STOPS AFTER THE PILOT FAILS TO IGNITE.
- 6) OPEN THE PILOT GAS SUPPLY VALVE.
- 7) RE-START THE GUARDIAN AND AFTER PILOT FLAME IS PROVEN, OPEN THE FUEL VALVE.

TROUBLESHOOTING

THIS TROUBLESHOOTING GUIDE CANNOT DESCRIBE EVERY POSSIBLE COMBINATION OF CONDITIONS RESULTING IN IMPROPER PERFORMANCE OR FAILURE OF THE GUARDIAN IGNITOR OR THE RELATED EQUIPMENT. THE FINAL RESPONSIBILITY FOR SAFE OPERATION OF THIS DEVICE IS WITH THE OPERATOR. NO MANUAL, NO MATTER HOW COMPLETE, CAN REPLACE SAFE OPERATING PRACTICES AND SOUND COMMON SENSE.

<u>SYMPTOM</u>	<u>PROBLEM</u>	<u>SOLUTION</u>
ELECTRODE FAILS TO SPARK	HEAVY SOOT ACCUMULATION ON ELECTRODE OR PILOT TIP	REMOVE & CLEAN PILOT TIP AND ELECTRODE
	BROKEN OR BURNED IGNITION CABLE	REPLACE OR REPAIR DAMAGED WIRE
	LOW BATTERY VOLTAGE	CHARGE OR REPLACE AS REQUIRED
	POOR CONNECTIONS TO ELECTRODE OR BATTERY	CLEAN & TIGHTEN ALL CONNECTIONS TO BATTERY & ON TERMINAL BLOCK
PILOT FLAME FAILS TO LIGHT	IMPROPER PLACEMENT OF ELECTRODE	PLACE ELECTRODE CLOSER TO PILOT TIP TO MAXIMIZE ARC INTENSITY