

# High Intensity Parts Instruction Sheet

## MARK 10DX-117 (35-72) Replacement

**NOTE:** To ensure safe operation, circuit boards must be replaced with factory supplied parts.

### Parts List

- MARK 10DX-117 (35-72) Circuit Board.

### Related Parts List

- **HVW-18:** High Voltage Spark Wire (sold separately).
- **32-508:** 3-Prong Spark Electrode (sold separately).
- **DRWH-120\*:** Wire Harness for 10DX-117 Circuit Board (sold separately).

\*The DRWH-120 wire harness is required when replacing the MARK 10-117 or MARK 10X-117 circuit board.

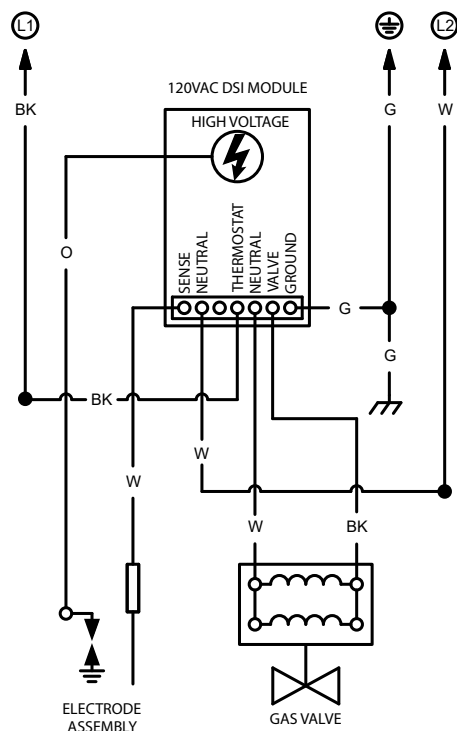
**IMPORTANT:** Prior to replacing the circuit board, check the gas valve and wiring for electrical shorts.

### Installation Instructions

- 1 Disconnect electrical supply voltage to the heater.
- 2 Remove the junction box cover on heater.
- 3 Disconnect wiring from the old circuit board and remove.
- 4 Install new MARK 10DX-117 (35-72) circuit board.
- 5 Plug DRWH-120 wiring harness onto the new circuit board.
- 6 Re-install junction box cover.
- 7 Reconnect electrical power supply. Cycle heater to verify proper operation.

**IMPORTANT:** Proper grounding and polarity are essential for the proof of flame safety device. If the systems is not grounded to a positive earth ground, it is unable to determine the presence of flame and will lock out.

Figure 1 • NFS-2 120V Internal Wiring Diagram



### Lighting Instructions

- 1 Rotate heater's valve knob to "ON" position.
- 2 Close electrical circuit (usually thermostat).
- 3 If the heater fails to light, turn "OFF" gas, close electrical circuit and wait 5 minutes before repeating the steps above.

### Shutdown Instructions

- 1 Open electrical circuit.
- 2 Rotate heater's valve knob to "OFF" position.

**NOTE:** If replacing any of the original wire supplied with the appliance, it must be with wiring material having a temperature rating of at least 105°C.