Controls

Valve Light
(On when board applies power to gas valve circuit)

NC Check Light
(On when board is first powered up and during lockout)

Spark/Ignitor Lamp
(Shows spark output)

Flame Switch
(Simulates a flame)

High Voltage wire
(Connects to spark terminal of board)

Main Cable
(Connects to edge connector on board)

<table>
<thead>
<tr>
<th>OEM part number</th>
<th>Tester model to use</th>
<th>Test routine</th>
<th>Delay Time sec.</th>
<th>Ignition time sec.</th>
<th>Ignition tries</th>
</tr>
</thead>
<tbody>
<tr>
<td>05-169002-003</td>
<td>IMT-24 VAC</td>
<td>Remote</td>
<td>15 sec.</td>
<td>7 sec.</td>
<td>1 try</td>
</tr>
<tr>
<td>05-169003-103</td>
<td>IMT-24 VAC</td>
<td>Remote</td>
<td>15 sec.</td>
<td>7 sec.</td>
<td>1 try</td>
</tr>
<tr>
<td>05-169005-123</td>
<td>IMT-24 VAC</td>
<td>Remote</td>
<td>15 sec.</td>
<td>7 sec.</td>
<td>1 try</td>
</tr>
<tr>
<td>05-299000-153</td>
<td>IMT-24 VAC</td>
<td>Remote</td>
<td>15 sec.</td>
<td>7 sec.</td>
<td>1 try</td>
</tr>
<tr>
<td>05-299004-153</td>
<td>IMT-24 VAC</td>
<td>Remote</td>
<td>15 sec.</td>
<td>7 sec.</td>
<td>1 try</td>
</tr>
<tr>
<td>230608</td>
<td>IMT-24 VAC</td>
<td>Remote</td>
<td>15 sec.</td>
<td>7 sec.</td>
<td>1 try</td>
</tr>
<tr>
<td>316019</td>
<td>IMT-24 VAC</td>
<td>Remote</td>
<td>15 sec.</td>
<td>7 sec.</td>
<td>1 try</td>
</tr>
<tr>
<td>5119</td>
<td>IMT-24 VAC</td>
<td>Remote</td>
<td>15 sec.</td>
<td>7 sec.</td>
<td>1 try</td>
</tr>
<tr>
<td>7705-315</td>
<td>IMT-24 VAC</td>
<td>Remote</td>
<td>15 sec.</td>
<td>7 sec.</td>
<td>1 try</td>
</tr>
<tr>
<td>UIB 24 VAC</td>
<td>IMT-24 VAC</td>
<td>Local</td>
<td>17 sec.</td>
<td>7 sec.</td>
<td>3 try</td>
</tr>
<tr>
<td>Triton 2460D918-113</td>
<td>IMT-24 VAC</td>
<td>Local</td>
<td>15 sec.</td>
<td>7 sec.</td>
<td>3 try</td>
</tr>
</tbody>
</table>

Use the rest of this chart to compile additional Ignitor board information.

Note: If you have a 24v AC board with a number which does not appear on the chart, try the Remote routine, and then the Local routine. The sense circuit should hold the valve open in one of these 2 positions.
Hookup Diagram for the IMT cables.

The Main Cable and High Voltage Cable are used for all boards. The External Sense Clip is used when you need to test a board that has an external sense wire permanently attached.

Main Cable (Connects to the edge connector on the board under test)

High Voltage wire (Connects to the spark connector on the board under test)

External Sense Clip (For boards with an external sense wire. Not used on all boards)
Local Test Routine

1. Turn on Power Switch

2. Wait for Spark
   Water Heater boards: 1-2 seconds
   Refrigerator boards: 1-2 seconds
   Furnace boards: 15-20 seconds

3. Move Flame Switch up (Local position)

4. Spark should stop, and valve should stay on as long as Flame Switch is in this position.

5. Test is complete, but you can also do the following:
   (a) Twist the board to check for intermittent solder connections.
   (b) Turn off the Flame Switch and let the board complete all fire cycles and go into lockout.

Remote Test Routine

1. Turn on Power Switch

2. Wait for Spark
   Water Heater boards: 1-2 seconds
   Refrigerator boards: 1-2 seconds
   Furnace boards: 15-20 seconds

3. Move the Flame Switch down (Remote position)

4. Spark may or may not stop, and valve should stay on as long as the Flame Switch is in this position.

5. Test is complete, but you can also do the following:
   (a) Twist the board to check for intermittent solder connections.
   (b) Turn off the Flame Switch and let the board complete all fire cycles and go into lockout.