

# Brute (80-850) Start Up Sheet

Test Date \_\_\_\_\_ Job Location \_\_\_\_\_

Model Number \_\_\_\_\_ Serial Number \_\_\_\_\_

Fuel Type \_\_\_\_\_

## Check For Proper Start Up Sequence

|                       |                          |
|-----------------------|--------------------------|
| Blower/Modulation     | <input type="checkbox"/> |
| Gas Valve             | <input type="checkbox"/> |
| Gas Pressure Switches | <input type="checkbox"/> |
| Low Water Cut Off     | <input type="checkbox"/> |
| Ignitor               | <input type="checkbox"/> |
| Smooth Ignition       | <input type="checkbox"/> |

|                        |                          |
|------------------------|--------------------------|
| Pump Operation         | <input type="checkbox"/> |
| DHW Aquastat           | <input type="checkbox"/> |
| High Limit             | <input type="checkbox"/> |
| DHW Sensor             | <input type="checkbox"/> |
| Condensate Trap/Switch | <input type="checkbox"/> |
| Venting                | <input type="checkbox"/> |

## Check For Proper Safety Lock Out Sequence

|                           |                          |
|---------------------------|--------------------------|
| Static Gas Inlet Pressure | <input type="checkbox"/> |
| Firing Gas Inlet Pressure | <input type="checkbox"/> |
| Inlet Water Temperature   | <input type="checkbox"/> |
| Outlet Water Temperature  | <input type="checkbox"/> |
| Delta T Heat Exchanger    | <input type="checkbox"/> |
| DHW Temperature           | <input type="checkbox"/> |

Low Fire

|                          |
|--------------------------|
| <input type="checkbox"/> |
| <input type="checkbox"/> |
| <input type="checkbox"/> |
| <input type="checkbox"/> |
| <input type="checkbox"/> |
| <input type="checkbox"/> |

High Fire

|                         |                          |
|-------------------------|--------------------------|
| Carbon Dioxide %        | <input type="checkbox"/> |
| Oxygen %                | <input type="checkbox"/> |
| Carbon Monoxide PPM     | <input type="checkbox"/> |
| Stack Temperature °F    | <input type="checkbox"/> |
| NOx ppm                 | <input type="checkbox"/> |
| Gas Offset Pressure     | <input type="checkbox"/> |
| Combustion Efficiency % | <input type="checkbox"/> |

## Control Settings

|                           |                          |
|---------------------------|--------------------------|
| Temperature Control Point | <input type="checkbox"/> |
| High Limit Setting        | <input type="checkbox"/> |
| Firing Rate               | <input type="checkbox"/> |
| Fan RPM                   | <input type="checkbox"/> |
| Anti Short Cycle          | <input type="checkbox"/> |

|                      |                          |
|----------------------|--------------------------|
| DHW Control Point    | <input type="checkbox"/> |
| DHW Tank Temperature | <input type="checkbox"/> |
| Outdoor Reset Mode   | <input type="checkbox"/> |
| Outdoor Temperature  | <input type="checkbox"/> |

|                 |          |       |             |       |
|-----------------|----------|-------|-------------|-------|
| Intake Air Pipe | Material | _____ | Description | _____ |
| Exhaust Pipe    | Material | _____ | Description | _____ |

NOTES:



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