

<b>HOW TO</b>	<b>Document #</b>	<b>Model name</b>		
	HT00140E	ECO-55 / ECO-55ST		
<b>TEST A COMPONENT</b>	<b>Model number</b>	<b>Serial number</b>		<b>Date</b>
	DP00070 / DP00071	100	to	... 2018-05-10

When an electrical component seems to be defective, it is possible to test it by following the procedure given below. Testing components is only possible when the stove is OFF and that all the components are no more in function.

I/O description :



**INPUT**

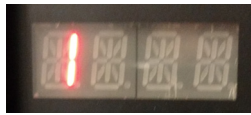
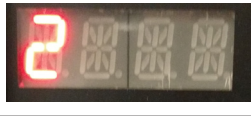
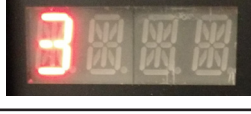
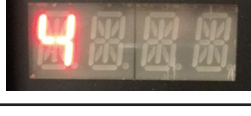


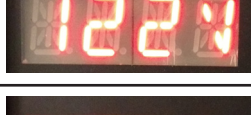
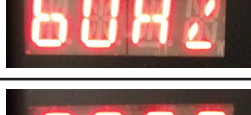
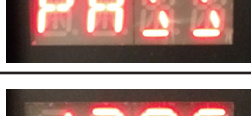

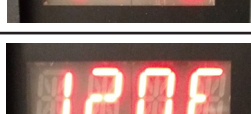

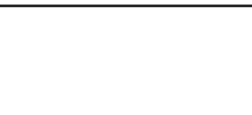
- Thermistor:* Resistance reading the exhaust gas temperature.
- F-160:* Temperature Sensor, normally Open.
- L-250 Automatic reset:* Temperature sensor, normally closed
- Hopper Switch:* When the hopper is closed, switch is closed.
- Lexan (Diaphragm switch):* 6-switch diaphragm receiving user commands.


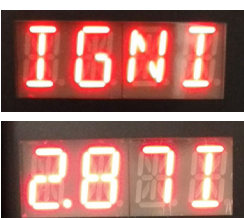

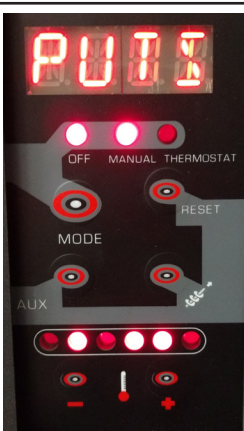

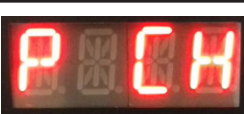


**OUTPUT\***

- Igniter: 115V, 2.4A, 275W, 48Ω
- Evacuation motor: 115V, 1.1A, 127W
- Convection motor: 115V, 0.9A, 96W,
- Screw Motor: 115V, 190mA, 1.5RPM

\*Note that the values are for reference only and may vary. If measured values are more or less than 30% of the value mentioned, it is considered good.

<p>To access the test mode, press on the «RESET» and «AUGER» buttons simultaneously for 3 seconds. Each segment of each section of the display will turn on in sequence. Press «MODE».</p>	
<p>Complete display and all LED's light up simultaneously. Press «MODE».</p>	

«MODE» button key test. Number 1 shown. Press «MODE».	
«RESET» button key test. Number 2 shown. Press «RESET».	
«AUX» button key test. Number 3 shown. Press «AUX».	
«AUGER» button key test. Number 4 shown. Press «AUGER».	
«-» button key test. Number 5 shown. Press «-».	
«+» button key test. Number 6 shown. Press «+».	
The voltage of the power source is displayed. Press «MODE».	
The frequency of the power source is displayed. Press «MODE».	
Displays «PASS» if polarity is good, «FAIL» if polarity is reversed or if there is a poor or no electrical ground. Press «MODE».	
Convection blower test. Displays the electrical voltage followed by a «C» alternating with the current, followed by an «I» . Press «MODE».	 
Exhaust blower test. Displays the electrical voltage followed by an «E» alternating with the current, followed by an «I» . Press «MODE».	 

<p>Combustion blower test. Displays electrical voltage followed by a «B» alternating with the current, followed by an «I» . Press «MODE».</p>	
<p>Ignitor test. Displays «IGNITOR» alternating with the current, followed by an «I» . Press «MODE».</p>	
<p>Auger test. Displays «AUGER» alternating with the current, followed by an «I». Press «MODE».</p>	
<p>Displays «INPUTS» and shows the status of different components when the unit is cold.</p> <p>OFF DEL: Pressure switch  MANUAL DEL: Hopper switch  THERMOSTAT DEL: Thermostat  FEED RATE 1 : (non operative)  FEED RATE 2 : F160 (normally open)  FEED RATE 3 : L250 (normally closed)  FEED RATE 4 : (non operative)  FEED RATE 5 : Thermistor  FEED RATE 6 : (non operative)</p> <p>Press «MODE».</p>	
<p>Displays «TSTAT». To go to the next step, the thermostat block terminal must be short-circuit.</p>	
<p>Displays «P_CHECK» and verifies the pressure switch. Press «MODE».</p>	
<p>Displays the thermistor temperature. Press «MODE».</p>	
<p>Displays the igniting time of the stove. Press «MODE».</p>	

Displays the operating time of the stove. Press «MODE».



Displays «EEPROM PASS» or «EEPROM FAIL». Validate that the control board's EEPROM is functional. To exit the test mode, Press «MODE».



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