INSTRUCTIONS, DUAL IGNITION MODULE REPLACEMENT

Dual Ignition Module Replacement Kit for Gas Ovens

Use these instructions with the following interchangeable ignition modules.

Part Number	Description
78310	Conversion Kit, **BASO** dual Ignition Module (78218)
54727	**FENWAL** Dual Ignition Module

Common kit contents (Note: not all kits will have all components)

Replacement Ignition Module
Adapter Bracket
Adapter Wire Kit
Mounting Hardware
Kit Instructions

Kit Instructions

➢	Turn off the breaker and unplug the oven. Open the control panel containing the ignition module.
➢	Identify the model of the new ignition module. Use the cross-reference charts below to identify the new terminals each wire will need to plug in to.
➢	One by one, remove the wires from the old module and plug into the new module in the appropriate locations identified by the cross-reference charts.
❖	**OPTIONAL**: ***If needed use any or all the included wires to adapt the oven harness to the terminals of the new ignition module. Use the spade terminal size adapters if the module terminals are too large. For ignition modules with a metallic grounded mounting hole, use the female spade terminal to ring adapter to provide another ground terminal.***
➢	Unscrew and keep the mounting hardware from the old module. This mounting hardware will be **re-used**.
❖	**OPTIONAL**: ***If mounting holes do not exist in the oven for the new ignition module, mount the ignition module onto the adapter kit using the included sheet metal screws.***
➢	Mount the ignition module into the oven. Use electrical tape to prevent shorts where required. Return power and test.

Dual Spark Ignition Module Cross Reference Chart

Terminal Description	FENWAL (54727) Label	BASO (78218) Label
Ignition Spark 1	**(unlabeled)**	**SPARK 1**
Ignition Spark 2	**(unlabeled)**	**SPARK 2**
24VAC Power (1)	**W**	**24V**
24VAC Power (2)	**R**	**(Unused – cap floating wire terminal)**
24VAC Ground	**GND**	**24V GND**
Valve Power	**V1**	**VALVE**
Valve Ground	**V2**	**GND**
Flame Sense 1	**S1**	**S1**
Flame Sense 2	**S2**	**S2**
Additional Ground	**GND**	**(Grounded hole – use female spade terminal to ring adapter)**

Flame Sense Levels

Flame Level	FENWAL (54727) [µA]	BASO (78218) [µA]
No Flame	0.0 – 0.7µA	0.00 – 0.04µA
Poor Flame	0.8 – 1.9µA	0.05 – 0.09µA
Good Flame	2.0+µA	0.10 – 1.00µA