



**IMPORTANT**

1. Always include complete heater model and serial number so that any specification change can be considered for parts shipment. It can save time and expense.
2. Specifications are subject to change without notice.
3. We reserve the right to substitute functional replacements.
4. Order either by Kit or Component Part No.

**Replacement Parts**

Applies to:

**RDF Series Direct-Fired Makeup Air Heater**



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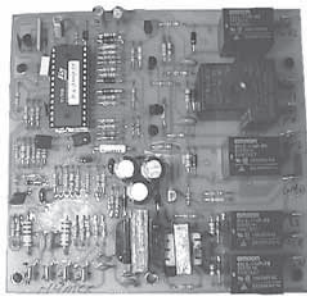
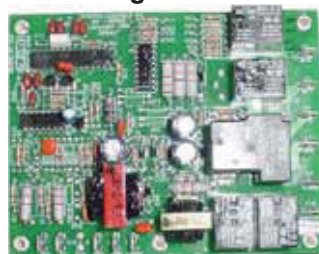

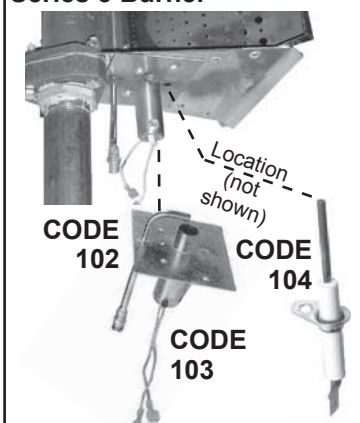
See your Factory Distributor for Forms listed below

**Additional Forms**











Subject.....	Form
Installation, Model RDF .....	I-RDF
Operation/Maintenance/Service, Model RDF .....	O-ADF/DV/RDF
Installation, Roof Curb Installation Instructions .....	I-OPT-C
Parts, Gas Conversion .....	CP-GC
Parts, Serial No., Gas Valves and Maxitrol Gas Controls.....	P-VALVES
Instruction, Conversion to Hot Surface Ignition .....	CP-RDF-IGN

**Ignition System - Hot Surface Ignition (Ignition system changed from spark to hot surface beginning 3/96.)**

CODE	Description of Parts of Hot Surface Ignition System and Conversion Kits		P/N	
100A	Hot Surface Ignition Module, RAM #H4MC24-01- applies to RDF systems manufactured from 3/96 to 9/03 (prior to RDF Series 3) - Serial No. Ignition System Code 72		Located in the electrical control compartment.	
100B	Hot Surface Ignition Module, Syntek IH11040B-C, single flame rod (Used on RDF Series 3 with burner sizes from 250-1500 MBH, Options BL1-BL6) - Serial No. Ignition System Code 82			
100C	Hot Surface Ignition Module, Syntek IH11040C-C, dual flame rod (Used on RDF Series 3 with burner sizes from 1750-3000 MBH, Options BL7-BL13) - Serial No. Ignition System Code 81			
101	<b>Pilot Assembly for Hot Surface Ignition prior to RDF Series 3 (9/03) including:</b>		120048	
	 <b>Flame Sensor</b>	 <b>Pilot and Ignitor</b>	<b>Pilot</b>	122840
			<b>Flame Sensor, J/C #Y75MK-1D</b>	134706
			Screw, #8-1/2" long	38529
			Pilot bushing	121730
			Hex head cap screw, #10-32x3/8" lg	90167
<b>Hot Surface Ignitor, Norton #401E</b>	121865			
Pilot, Sensor, and Ignitor for Model RDF Series 3				
102A	Pilot for RDF Series 3, 250-1500 MBH		127910	
102B	Pilot for RDF Series 3, 1750-3000 MBH		122840	
103	Hot Surface Ignitor, Norton #401E		121865	
104	Flame Sensor, J/C #Y75MK-1D (Note: CODE 104 is for replacement of the flame sensor at the ignitor end of the burner only. 1750-3000 MBH burners have a second flame sensor. For replacement, see CODE 119.)		134706	
105	Ignition Conversion Kit from Spark Pilot with either a rectification type (CODE 94) or ultraviolet flame (CODE 95) sensor to hot surface ignition.	for unit with a 200VA transformer	146268	
		for 115V unit with an 80VA transformer	146318	
		for 208V unit with an 80VA transformer	146319	
		for 240V, 480V, or 575V unit with an 80VA transformer	146320	

<p><b>CODE 100A - P/N 157953, Hot Surface Ignition Module, RAM H4MC24-01</b></p> 	<p><b>CODE 100B - P/N 204376, Hot Surface Ignition Module, Syntek IH11040B-C, for burner with a single flame rod</b></p> 	<p><b>CODE 100C - P/N 204166, Hot Surface Ignition Module, syntek IH11040C-C, for burner with a double flame rod</b></p> 	<p><b>Pilot, Hot Surface Ignitor, and Flame Sensor on RDF Series 3 Burner</b></p> 
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**Ignition System - Spark Ignition System (discontinued 3/96)**

CODE	Description of Components of Spark Ignition System (Discontinued on units beginning 3/96. See conversion kits in CODE 105, above.)		P/N	Flame Sensor Safety Relays and Subbases
106	Flame Sensor Safety Relay, Rectification, Honeywell #RA890F1270 (Serial No. Code 58)	With Code 113	86972	 Codes 106 & 108
107	Flame Sensor Safety Relay, Rectification, Honeywell #R7795B-1009 (less Code 110)		89407	
108	Flame Sensor Safety Relay, Ultraviolet, Honeywell #RA890G1310 (Serial No. Code 59)	With Code 114	89409	
109	Flame Sensor Safety Relay, Ultraviolet, Honeywell #R7795A-1009 (less CODE 110)		89436	 Codes 107 & 109
110	Prepurge Timer Board (prepurge relay), M/H ST795A-1031 (used in CODES 107 and 109)		89408	 Code 110, P/N 89408
111	Subbase only used with CODES 107 (P/N 89407) & 109 (P/N 89436), Honeywell #Q795A-1004		89410	 Code 111, P/N 89410
112	Subbase only used with CODES 106 (P/N 86972) & 108 (P/N 89409), Honeywell #Q270A-1024		86973	 Code 112, P/N 86973
113	Flame Probe, Auburn #AA67-7892-1 (std on units mfgd before 9/88; used w/CODE 106 or 107)		87937	 Code 113, P/N 87937, Flame Probe (std on units with date codes AJH to ANH)
114	Ultraviolet Minipeeper Detector, Honeywell #C7027A (std on units from 9/88 -2/96; optional on prior units; used w/Code 108 or 109)		89411	 Code 114, P/N 89411, Ultraviolet Detector (std on units with date codes from ANI to AVB; optional on prior units)
115	Flame Rod Wire Assembly	RDF 1-20, 40, 50, 65	87904	 Code 115, Flame Rod Wire Assy
		RDF 2-80, 120	89614	
		RDF 3-180, 260	113952	
115A	Housing only for Code 95, AMP 1-48016-0		19127	 Code 116, Ignitor Wire Assy
116	Ignitor Wire Assembly	RDF 1-20, 40, 50, 65	87906	
		RDF 2-80, 120	89627	
		RDF 3-180, 260	91362	 Spark Plug for Spark Ignition System Code 117A, P/N 87936 (illustrated) Code 117B, P/N 179342, #23539 Sapco 14mm (used prior to Code 97A)