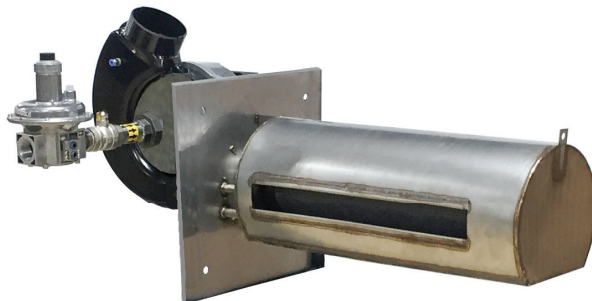


# Replacement Parts & Price List

## Low NO<sub>x</sub> Burners - 24V Model LNB500 & LNB1000



with Combustion Chamber



★MADE in the USA★

*Installation and Service Manual - 8471-91*

*Date Code - 3811*

*First Manufactured October 23, 2011*

*The air and gas are premixed through a modulating premix gas blower. The air and gas is ignited using a simple direct spark ignition system not requiring an additional pilot burner. Once the air and gas are premixed it is distributed through a high efficient metal fiber burner head. Premixing the fuel and air before ignition assures complete combustion with minimal levels of CO and NO<sub>x</sub>.*



Midco®  
INTERNATIONAL

Midco® International Inc.  
4140 West Victoria Street  
Chicago, Illinois 60646  
toll free 866.705.0514  
tel 773.604.8700  
fax 866.580.8700  
web [www.midcointernational.com](http://www.midcointernational.com)  
e-mail [sales@midcointernational.com](mailto:sales@midcointernational.com)

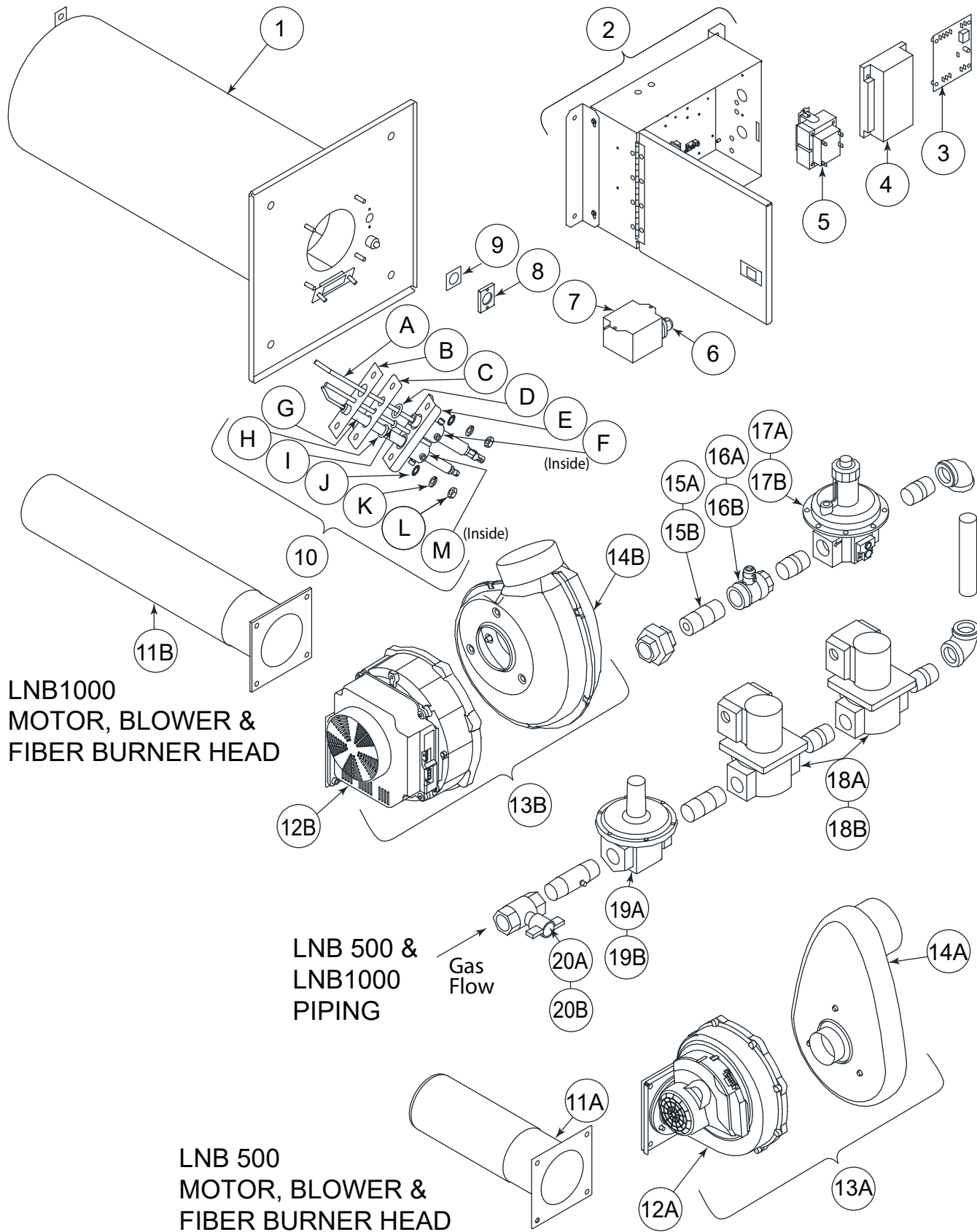
**AVOID ERROR IN PARTS SELECTION.** When ordering use complete MIDCO Part Number and Description. Furnish Burner Model Number, Bill of Material Number and Serial Number (if available) from the specification plate found on the product.

**IMPORTANT:** Availability of parts as well as specifications are subject to change without notice. Please consult factory for item availability.



*Quality Designed for Proven Performance*

# Exploded View - Low NOx Burner - LNB500 & LNB1000



# Low NO<sub>x</sub> - LNB500 & LNB1000 - Burner Parts List

Item	Part #	Description	Qty	Item	Part #	Description	Qty
1	5246-03	LNB 500 / LNB 1000 - 1" Insertion Combustion Chamber	1				
2	5246-51	LNB 500 / LNB 1000 - Control Box 24V	1				
3	8429-02	RTC Board DC Signal to PWM	1				
4	8429-64	LNB 500 / LNB 1000 - Ignition Control - 24V	1				
5	8447-27	LNB 500 / LNB 1000 - 120V to 24V 75VA Transformer	1				
6	8408-94	10/32 Terminal Nut	1				
7	8447-22	Ignitor Spark Generator	1				
8	7122-90	Peep Sight Assembly	1				
9	5246-27	Peep Sight Graphite Gasket	1				
10	5246-42R	Pilot Assembly Repair Kit (Complete)	1				
A	5246-17	Flame Rod LNB Assembly	1				
B	5246-48	Ignitor Flange Gasket	1				
C	5246-22	Ignition & Flame Assembly Plate	1				
D	8432-21	O-Ring 1/2" X 11/16" X 3/32"	1				
E	5246-45	Ignition Assembly Weldment Only	1				
F	8451-06	Flame Rod Bushing	1				
G	5246-43	Spark Rod Assembly LNB	1				
H	8432-22	O-Ring 7/16" X 5/8" X 3/32"	1				
I	8432-20	O-Ring 5/32" X 11/32" X 3/32"	1				
J	Hardware	1/4" Star Lock Washer	2				
K	Hardware	1/4" Split Lock Washer	2				
L	Hardware	1/4-20 Hex Nut	2				
M	5451-05	Spark Rod Bushing	1				
11A	5246-79	LNB 500 - Fiber Burner Head - Weldment - 4" X 9"	1				
11B	5246-29	LNB 1000 - Fiber Burner Head - Weldment - 4" X 19"	1				
12A	8435-30	LNB 500 - EBM Blower Only	1				
12B	8435-23	LNB 1000 - EBM Blower Only	1				
13A	5246-82R	LNB 500 Blower Assembly RG175/120	1				
13B	5246-04R	LNB 1000 Blower Assembly - G170 120V	1				
14A	8416-22	LNB 500 - Blower Inlet Kit	1				
14B	8416-18	LNB 1000 - Blower Inlet Kit	1				
15A	5246-85	LNB 500 - 3/4" x 3" Nipple with Orifice	1				
15B	5246-64	LNB 1000 - 1" x 3" Nipple with Orifice	1				
16A	8404-37	LNB 500 - 3/4" Quick Actuated Ball Valve	1				
16B	8404-38	LNB 1000 - 1" Quick Actuated Ball Valve	1				
17A	8416-21	LNB 500 - 3/4" NPT Ratio Regulator	1				
17B	8416-04	LNB 1000 - 1" NPT Ratio Regulator	1				
18A	8402-35	LNB 500 - 3/4" NPT Solenoid Valve 24V	2				
18B	8402-36	LNB 1000 - 1" Solenoid Valve 24V	2				
19A	8416-01	LNB 500 - 3/4" NPT Gas Regulator	1				
19B	8416-33	LNB 1000 - 1" NPT Gas Regulator	1				
20A	8404-30	LNB 500 - 3/4" T-Handle Ball Valve	1				
20B	8404-29	LNB 1000 - 1" NPT T-Handle Ball Valve	1				

### Not Shown

2117-95	EBM Power Wire Harness	1
2117-96	EBM Control Wire Harness	1
5246-26	LNB 1000 - EBM Blower Assembly Gasket	1
5246-32	LNB 500 / LNB 1000 - 4" Fiber Burner Head Gasket	1
5246-41	Flame Rod Wire	1
5246-49	Spark Rod Wire	1
5246-76	LNB 500 - EBM Blower Assembly Gasket	1
5246-77	LNB 500 - EBM Blower Assembly Gasket	1
5248-71	LNB 1000 - Air Restriction	1
8413-00	LNB 500 - Air Filter	1
8413-01	LNB 1000 - Air Filter	1
8425-58	Thermal Swtitch	1

# Low NO<sub>x</sub> - LNB500 & LNB1000

---

