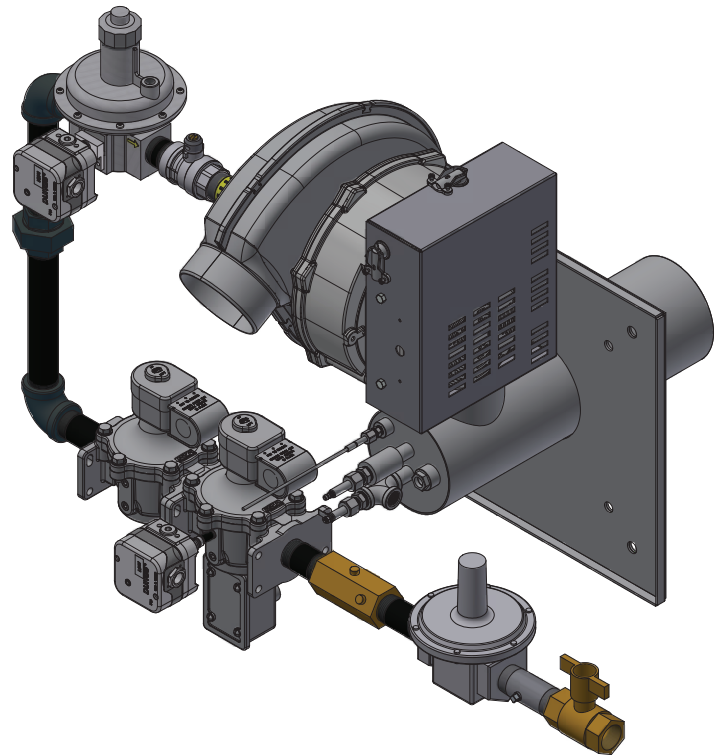


Replacement Parts

Low NO_x Burners - 120V Model LNB500 & LNB1000 Reverse Cone



Installation and Service Manual - 8471-98
First Manufactured - December 2016

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_x.



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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.



Exploded View - Low NOx Burner Reverse Cone LNB500 & LNB1000

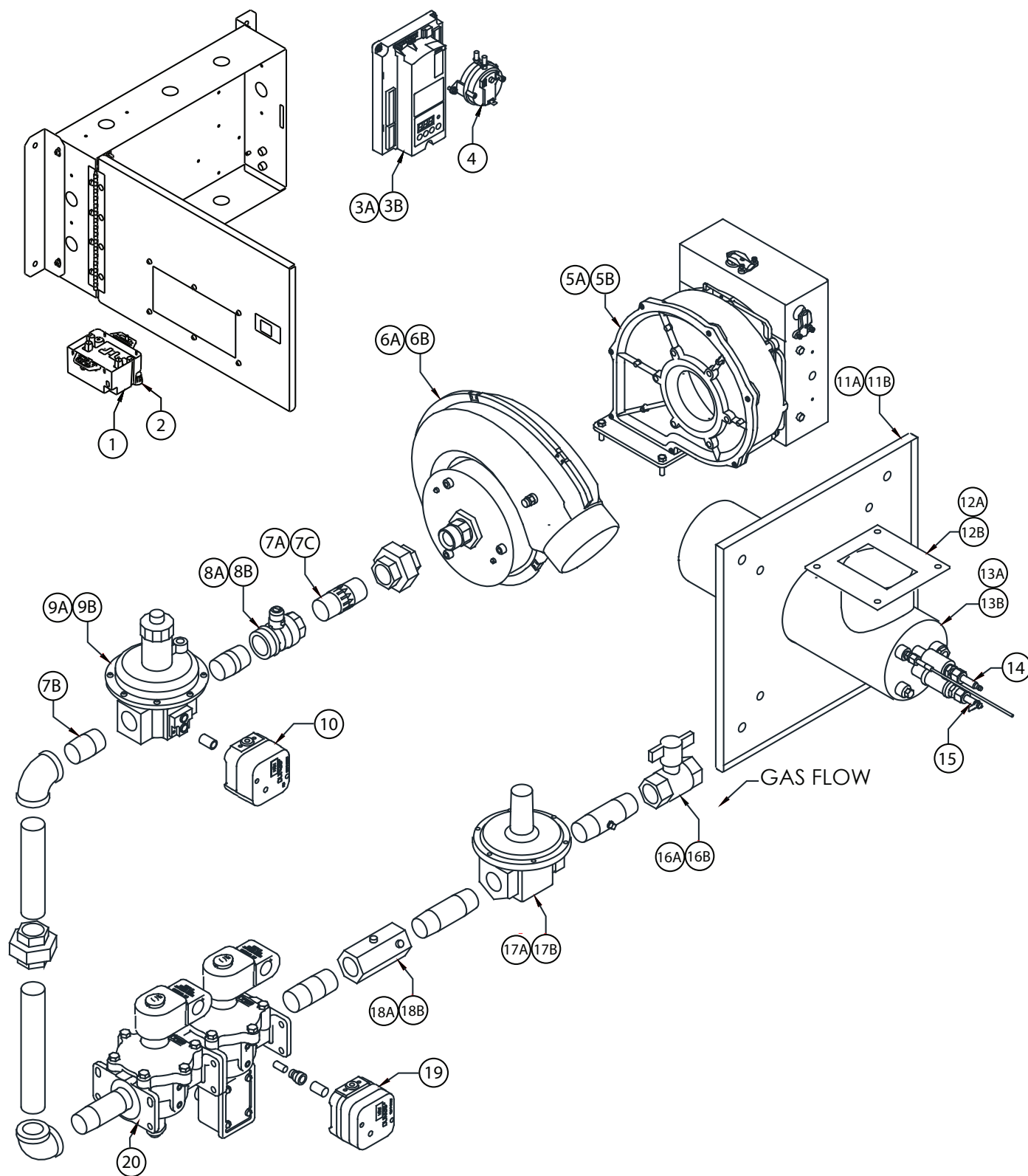


Figure 1 - Reverse Cone LNB 500 and LNB 1000 - Exploded View

Low NOx Burner Reverse Cone LNB500 & LNB1000 Parts List

Item	Part #	Description	Item	Part #	Description
1	8447-39	Ignitor Spark Generator	14	8410-07	Spark Rod
2	2122-61	Thumb Screw	15	8410-08	Flame Rod
3A	8429-80	LNB 500 - Burner Control	16A	8404-30	LNB 500 - T-Handle Ball Valve
3B	8429-86	LNB 1000 - Burner Control	16B	8404-29	LNB 1000 - T-Handle Ball Valve
4	8425-52	Pressure Differential Switch	17A	8416-01	LNB 500 - 3/4" Regulator
5A	8435-30	LNB 500 - EBM Blower	17B	8416-33	LNB 1000 - 1" Regulator
5B	8435-23	LNB 1000 - EBM Blower	18A	8416-60	LNB 500 - 3/4" Venturi Meter
6A	8416-22	LNB 500 - Blower Inlet Kit	18B	8416-61	LNB 1000 - 1" Venturi Meter
6B	8416-18	LNB 1000 - Blower Inlet Kit	19	2118-07	Low Gas Switch
7A	5246-85	LNB 500 - 3/4" X 3" Nipple with Orifice	20	8418-11	LNB 500 & 1000 - 1" NPT Double Solenoid Valve 120V
7B	5246-72	LNB 500 - 3/4" X 3" Nipple with Orifice & Tap			
7C	5246-64	LNB 1000 - 1" X 3" Nipple with Orifice			
8A	8404-37	LNB 500 - 3/4" Quick Actuated Ball Valve			Not Shown
8B	8404-38	LNB 1000 - 1" Quick Actuated Ball Valve	1346-26		Air Switch Tubing
9A	8416-21	LNB 500 - 3/4" Ratio Regulator	2117-95		EBM Power Wire Harness
9B	8416-04	LNB 1000 - 1" Ratio Regulator	2117-96		EBM Control Wire Harness
10	2118-06	High Gas Switch	5237-71		Silicone Rubber Tubing
11A	8452-16	LNB 500 - Mounting Flange & Gasket	5246-41		Flame Sensing Wire
11B	5247-52P	LNB 1000 - Mounting Gasket	5246-49		Ignition Wire
12A	5246-77P	LNB 500 - Blower Gasket	5246-81		LNB 500 - Air Restrictor
12B	5246-26P	LNB 1000 - Blower Gasket	8483-19		1/4" Compression Union
13A	5250-69	LNB 500 - Reverse Cone Burner Head Weldment			
13B	5250-29	LNB 1000 - Reverse Cone Burner Head Weldment			

Low NOx Burner Reverse Cone LNB500 & LNB1000 - Parts List

