

REPLACEMENT PARTS MANUAL

OIL FIRED FURNACE MODELS FH085D36B, FH110D48B

Manual 2110-901

Revision A

Date 1-10-90

Supersedes 9-18-89

* GENERAL NOTES *

*Revised and/or additional pages may be issued from time to time.
*A complete and current manual consists of pages dated as shown in the following index.

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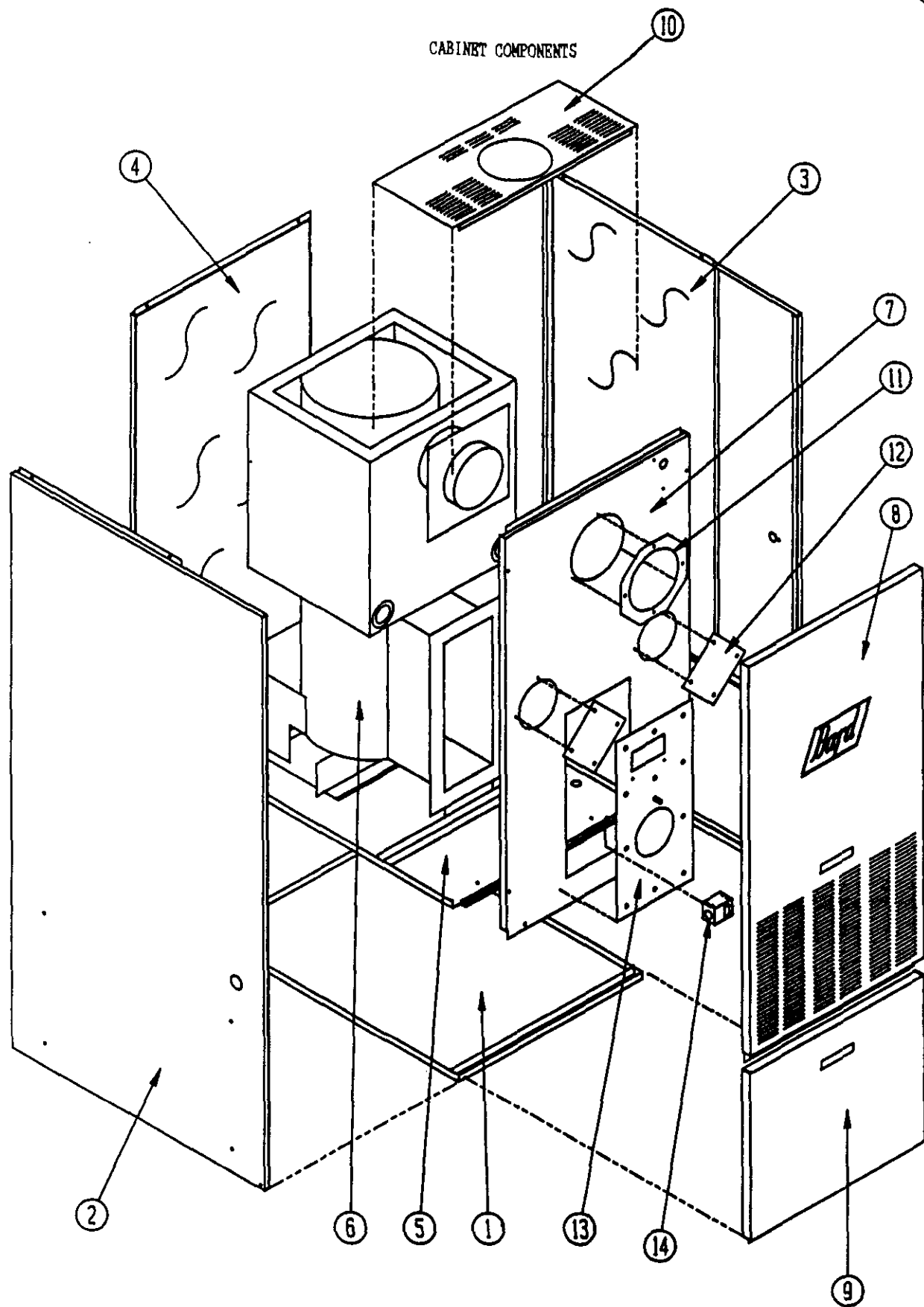
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*** IMPORTANT ***

Contact the installing and/or local Bard distributor for all parts requirements. Make sure you have the complete model and serial number available from the unit rating plate.

BARD MANUFACTURING COMPANY

BRYAN, OHIO 43506



Date: 9-18-89
 Supersedes:

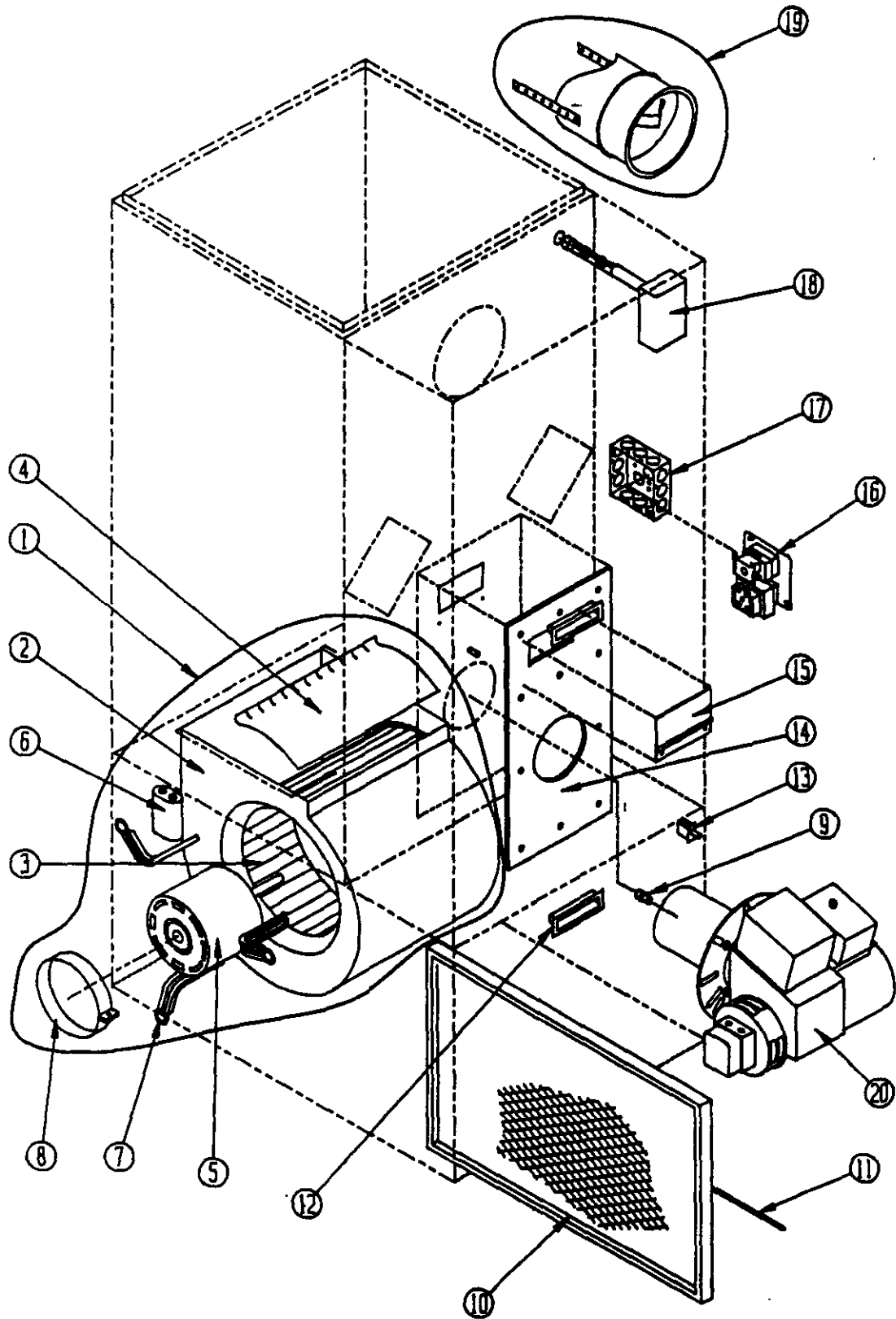
CABINET COMPONENTS

Dwg. No.	Part No.	Description	F H O 8 5 D 3 6 B	F H 1 1 O D 4 8 B
1	127-174	Lower Base	X	X
2	501-201	Left Side		X
2	501-205	Left Side	X	
3	501-200	Right Side		X
3	501-204	Right Side	X	
4	508-077	Back Assembly	X	
4	508-076	Back Assembly		X
5	127-173	Blower Base	X	
5	127-170	Blower Base		X
6	171-166	Heat Exchanger Assembly (includes combustion chamber part No. 7090-005)①	X	
6	171-165	Heat Exchanger Assembly (includes combustion chamber part No. 7090-005)①		X
7	520-146	Burner Partition	X	
7	520-141	Burner Partition		X
8	152-180	Burner Door	X	
8	152-176	Burner Door		X
9	152-155	Blower Door	X	X
10	106-052	Top Fill	X	X
11	166-007	Smoke Pipe Collar	X	X
12	542-024	Cleanout Cover Plates	2	2
13	161-027	Front Plate Assembly	X	X
14	112-031	Door Switch Bracket	X	X

① Combustion chamber part No. 7090-005 may be ordered separately.

Date: 1-10-90
Supersedes: 9-18-89

FUNCTIONAL COMPONENTS



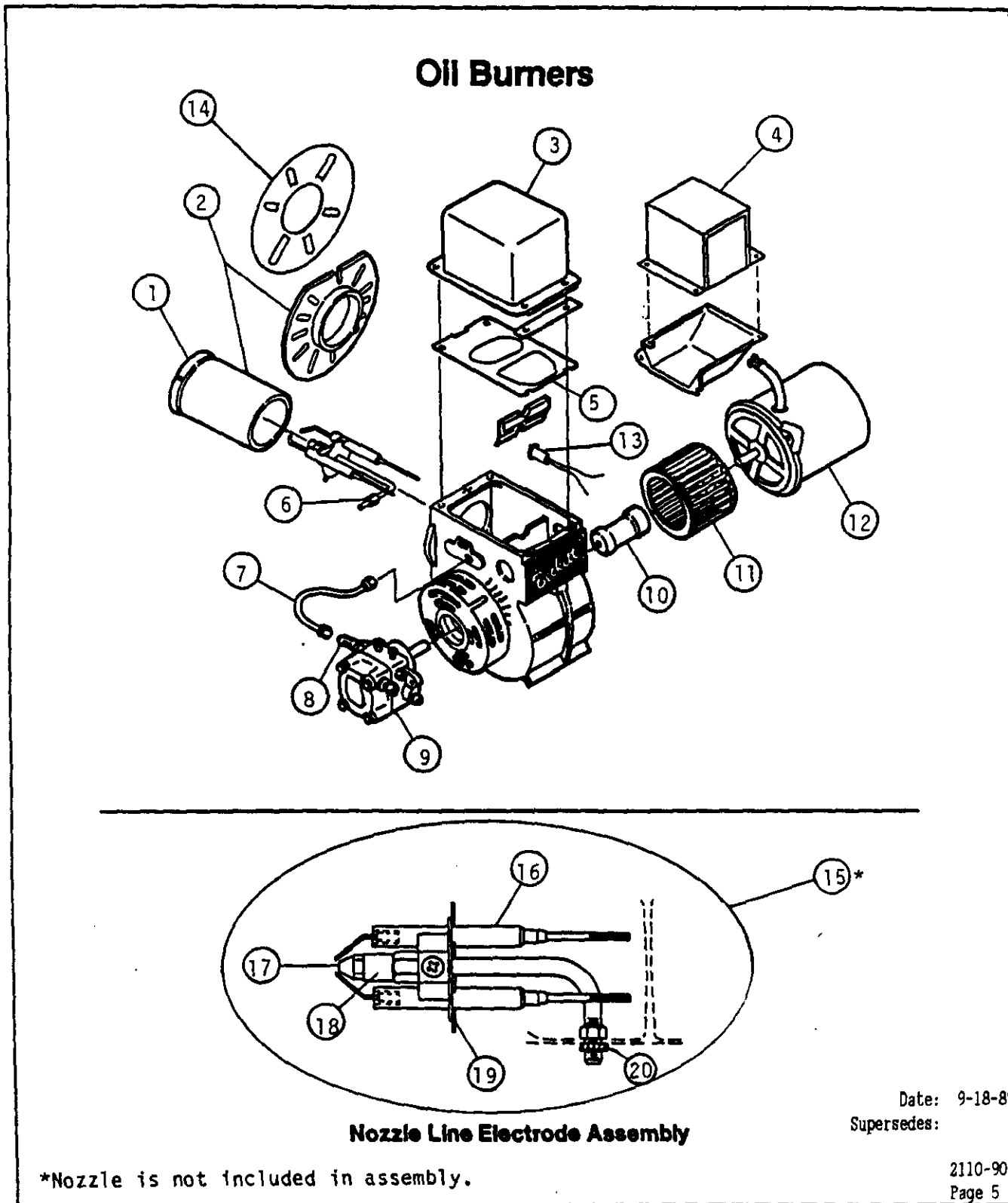
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FUNCTIONAL COMPONENTS

Dwg. No.	Part No.	Description	F H O 8 5 D 3 6 B	F H 1 1 O D 4 8 B
1	900-156	Blower Assembly	X	
1	900-111	Blower Assembly		X
2	144-111	Blower Wrapper	X	
2	144-111	Blower Wrapper		X
3	5152-059	Blower Wheel	X	
3	5152-059	Blower Wheel		X
4	144-127	Diffuser	X	
4	144-129	Diffuser		X
5	8105-008	Motor 1/3 HP	X	
5	8106-018	Motor 1/2 HP		X
6	8552-002	Capacitor 5/370 MFD	X	
6	8552-004	Capacitor 7-1/2 /370 MFD		X
7	8200-034	Motor Mount Arm	3	3
8	8200-033	Motor Mount Band	X	X
9	9011-001	Nozzle .75 GPH 80 degree	X	
9	9011-003	Nozzle 1.00 GPH 80 degree		X
10	7003-004	Permanent Filter 16x25x1	X	X
11	5401-002	Spring	X	X
12	1171-025	Door Pull	2	2
13	8406-013	Door Switch	X	X
14	1921-021	Front Plate Gasket	X	X
15	5400-003	Inspection Door Hinge	X	X
16	8201-006	Fan Center--Two Speed	X	X
17	8614-001	Square Outlet Box	X	X
18	8402-043	Fan/Limit Control	X	X
19	8601-031	Barometric Damper	X	X
20	9020-017	Burner Assembly	X	X

Date: 1-10-90
Supersedes: 9-18-89

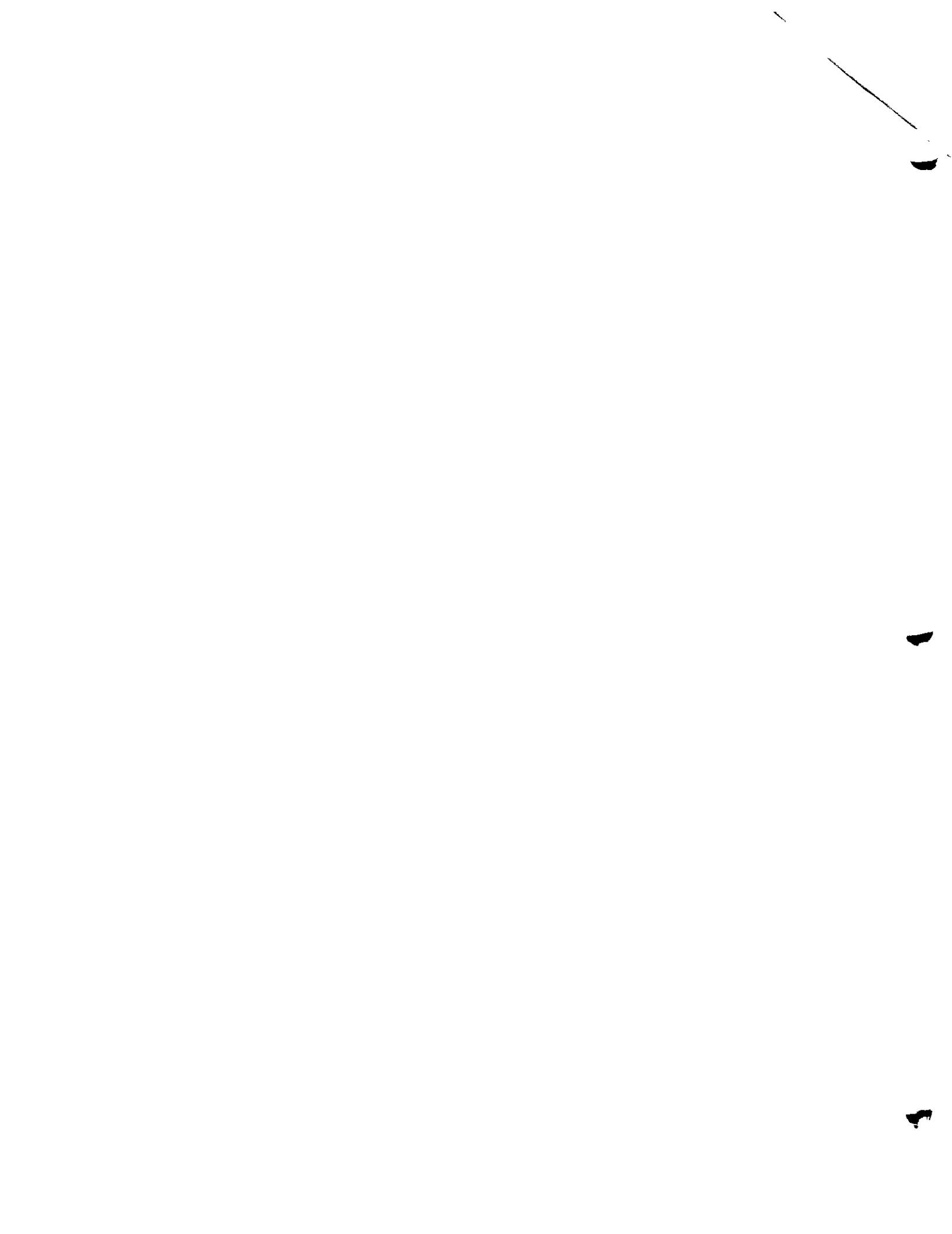
Burner Replacement Parts



BURNER COMPONENTS

Dwg. No.	Part No.	Beckett Part No.	Description	F H O 8 5 D 3 6 B	F H 1 1 0 D 4 8 B
1	9022-003	F3	Head	X	X
2	9022-004	512360078K	Air Tube and Flange Assembly 9"	X	X
3	9022-022	5878U	Transformer w/Gasket AFG	X	X
4	9022-005	7296U	Primary Control	X	X
5	9022-006	31405	Transformer Gasket	X	X
6	9022-007	571801	Bulkhead Fitting	X	X
7	9022-008	5636	Connector Tube	X	X
8	9022-009	2256	Pump Outlet Elbow	X	X
9	9022-010	2460U	Pump, Single Stage	X	X
10	9022-011	2454	Coupling	X	X
11	9022-012	2459U	Blower	X	X
12	9022-013	2456U	Motor 1/7 HP 3450 RPM	X	X
13	9022-020	5963001	Cad Cell	X	X
14	9022-021	3811	Mounting Flange Gasket	X	X
15	9022-014	NL90YH	Nozzle Line Electrode Assenbly	X	X
16	9022-017	5780	Electrode Insulator Assenbly	X	X
17	9011-001		Nozzle .75 GPH 80 degree A	X	
17	9011-003		Nozzle 1.00 GPH 80 degree A		X
18	9022-016	213U	Nozzle Adapter, Single	X	X
19	9022-023	3384P	Static Plate 3-3/8"	X	X
20	9022-018	3666	Bulkhead Fitting Locknut	X	X

Date: 9-18-89
Supersedes:



REPLACEMENT PARTS MANUAL

OIL FIRED FURNACE MODELS FH085D36B, FH110D48B, FH110D60B

Manual 2110-901

Revision E

Date 12-03-91

Supersedes 9-20-91

* GENERAL NOTES *

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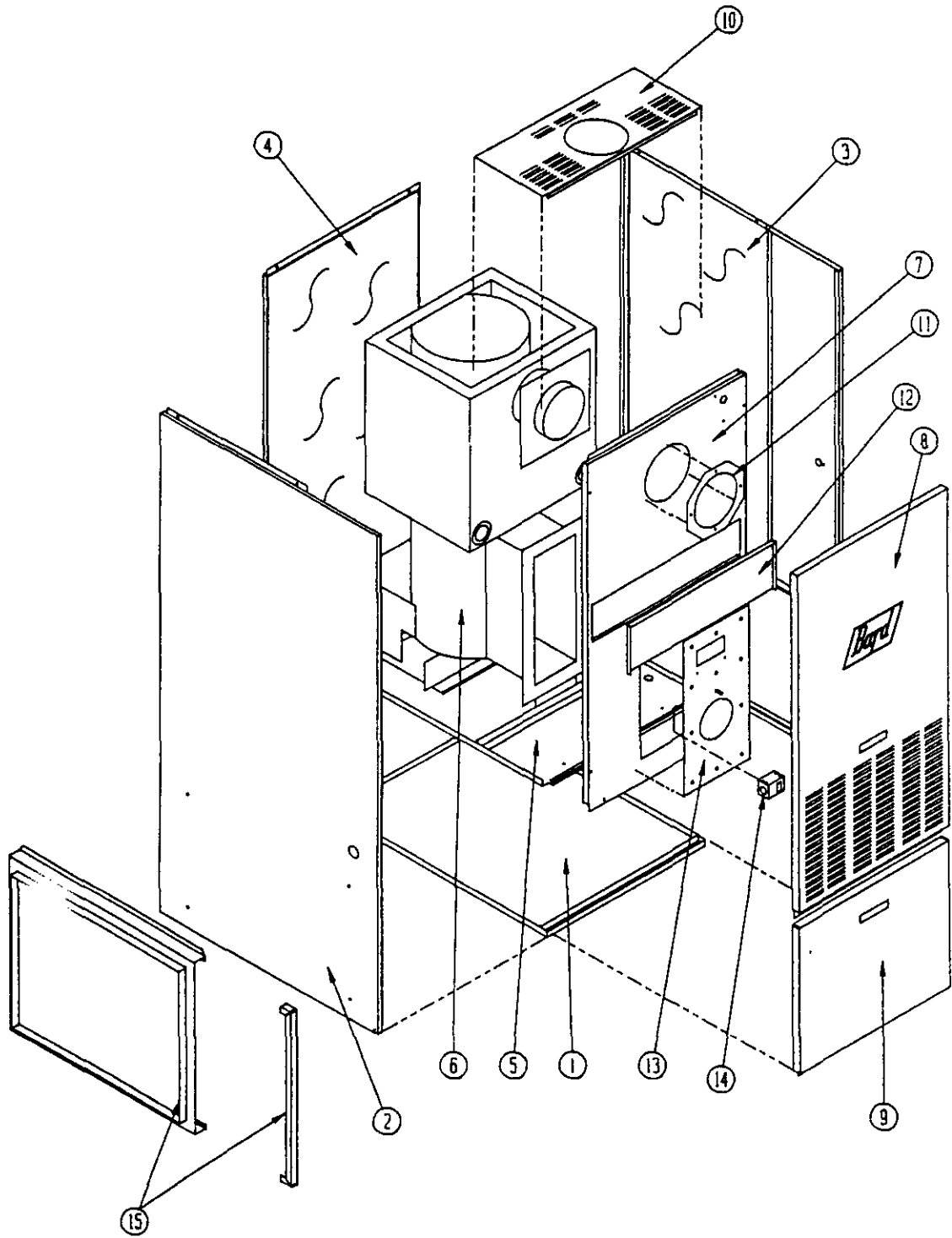
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*** IMPORTANT ***

Contact the installing and/or local Bard distributor for all parts requirements. Make sure you have the complete model and serial number available from the unit rating plate.

CABINET COMPONENTS



Date: 9-20-91
Supersedes: 9-18-89

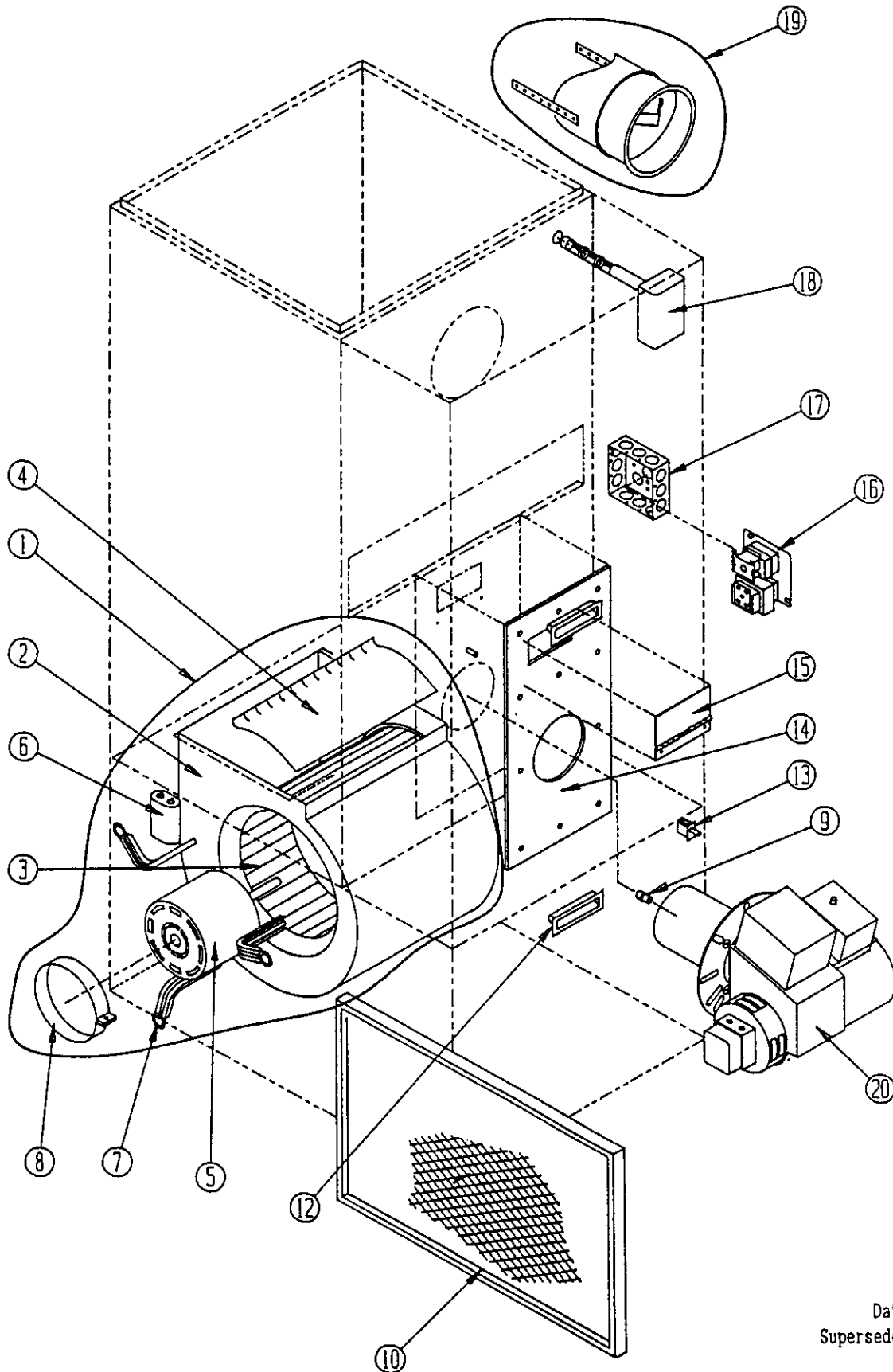
CABINET COMPONENTS

Dwg. No.	Part No.	Description	F H O 8 5 D 3 6 B	F H 1 1 0 D 4 8 B	F H 1 1 0 D 6 0 B
1	127-174	Lower Base	X	X	X
2	501-239	Left Side		X	X
2	501-237	Left Side	X		
3	501-238	Right Side		X	X
3	501-236	Right Side	X		
4	508-077	Back Assembly	X		
4	508-076	Back Assembly		X	X
5	127-173	Blower Base	X		
5	127-170	Blower Base		X	X
6	171-166	Heat Exchanger Assembly (includes combustion chamber part No. 7090-005) (1)	X		
6	171-165	Heat Exchanger Assembly (includes combustion chamber part No. 7090-005) (1)		X	X
7	520-193	Burner Partition	X		
7	520-192	Burner Partition		X	X
8	152-180	Burner Door	X		
8	152-176	Burner Door		X	X
9	152-155	Blower Door	X	X	X
10	106-052	Top Fill	X	X	X
11	166-007	Smoke Pipe Collar	X	X	X
12	542-037	Cleanout Cover Plates	X	X	X
13	161-027	Front Plate Assembly	X	X	X
14	112-031	Door Switch Bracket	X	X	X
15	919-0002	Filter Rack W/Door	X	X	
15	919-0003	Filter Rack W/Door			X

(1) Combustion chamber part No. 7090-005 may be ordered separately.

Date: 9-20-91
Supersedes: 1-03-91

FUNCTIONAL COMPONENTS



Date: 9-20-91
Supersedes: 9-18-89

FUNCTIONAL COMPONENTS

Dwg. No.	Part No.	Description	F H O 8 5 D 3 6 B	F H 1 1 O D 4 8 B	F H 1 1 O D 6 O B
1	900-156	Blower Assembly	x		
1	900-111	Blower Assembly		x	
1	900-166	Blower Assembly			x
2	144-151	Blower Housing Assembly	x		
2	144-138	Blower Housing Assembly		x	
2	5152-050	Blower Housing Assembly (1)			x
3	5152-013	Blower Wheel	x		
3	5152-053	Blower Wheel			x
3	5152-059	Blower Wheel		x	
4	144-127	Diffuser	x		
4	144-129	Diffuser		x	
4	NA	Diffuser (1)			x
5	8105-008	Motor 1/3 HP	x		
5	8106-018	Motor 1/2 HP		x	
5	8107-004	Motor 3/4 HP			x
6	8552-002	Capacitor 5/370 MFD	x		
6	8552-004	Capacitor 7-1/2 /370 MFD		x	
6	8552-026	Capacitor 15/370 MFD			x
7	8200-034	Motor Mount Arm	3	3	
7	8200-035	Motor Mount Arm			3
8	8200-033	Motor Mount Band	x	x	x
9	9011-001	Nozzle .75 GPH 80 degree	x		
9	9011-003	Nozzle 1.00 GPH 80 degree		x	x
10	7003-004	Permanent Filter 16x25x1	x	x	
10	7003-028	Permanent Filter 20x25x1			x
12	1171-025	Door Pull	2	2	2
13	8406-013	Door Switch	x	x	x
14	1921-021	Front Plate Gasket	x	x	x
15	5400-003	Inspection Door Hinge	x	x	x
16	8201-006	Fan Center--Two Speed	x	x	x
17	8614-001	Square Outlet Box	x	x	x
18	8402-043	Fan/Limit Control	x	x	x
19	8601-031	Barometric Damper	x	x	x
20	9020-017	Burner Assembly	x	x	x

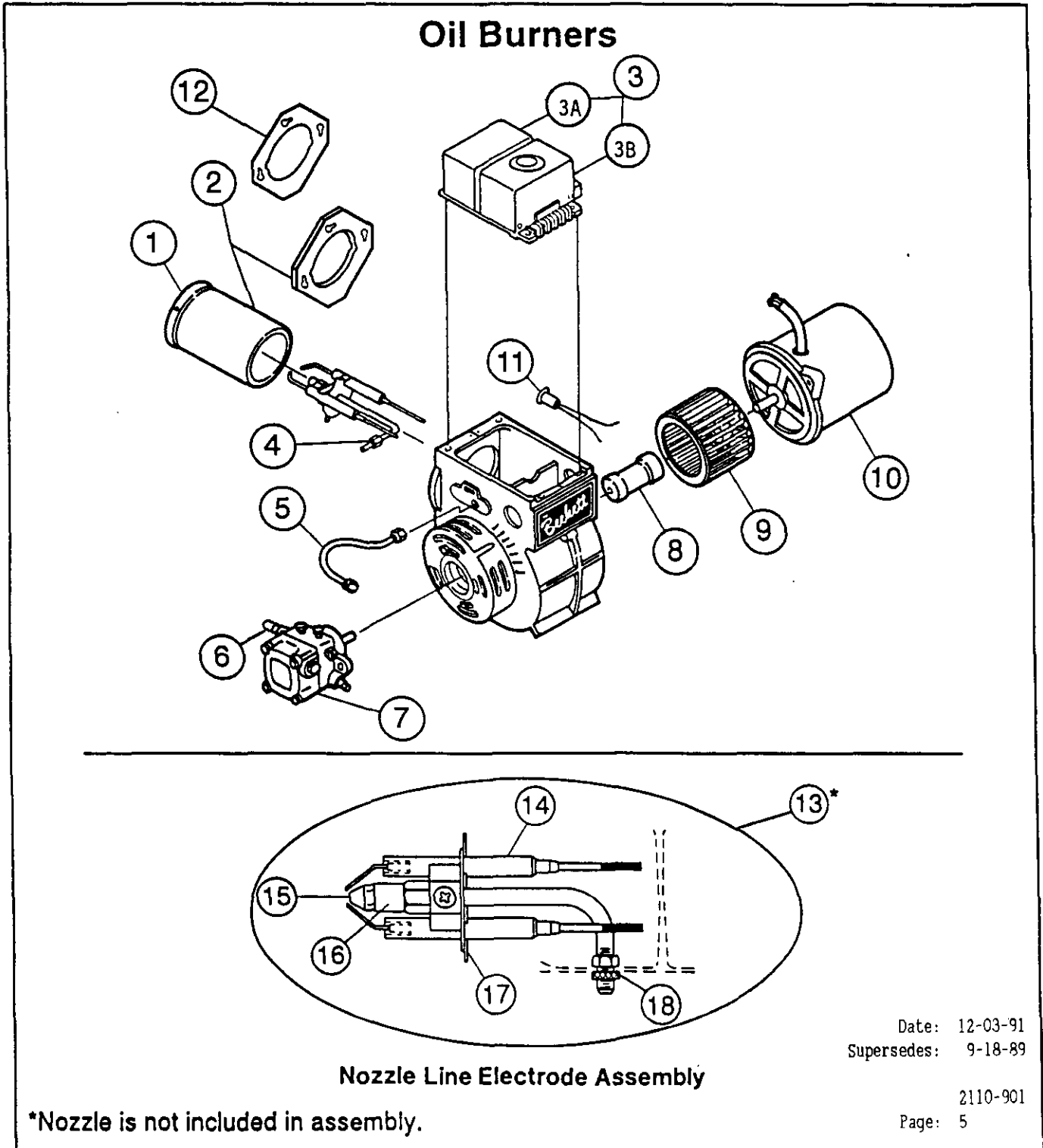
(1) Drawing No. 2 part No. 5152-050 includes housing, diffuser, and blower wheel part No. 5152-053.

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Burner Replacement Parts



BURNER COMPONENTS

Dwg. No.	Bard Part No.	Supplier Part No.	Description	F H O 8 5 D 3 6 B	F H 1 1 O D 4 8 8
1	9022-003	F3	Head	x	x
2	9022-004	51236007BK 51560	Air Tube and Flange Assembly 7-5/8" Insertion	x	x
3	9022-036	40100-02-BK	Primary Control and Ignitor Assembly*	x	x
3A	9022-037	14280-SO-S	Interrupted Duty Ignitor Only	x	x
3B	9022-038	14290-02-AOS	Primary Control Only	x	x
4	9022-007	571801	Bulkhead Fitting	x	x
5	9022-008	5636	Connector Tube	x	x
6	9022-009	2256	Pump Outlet Elbow	x	x
7	9022-010	2460U	Pump, Single Stage	x	x
8	9022-011	2454	Coupling	x	x
9	9022-012	2459U	Blower	x	x
10	9022-013	2456U	Motor 1/7 HP 3450 RPM	x	x
11	9022-039	40153-SO-B	Cad Cell Assembly**	x	x
	9022-040	14407S	Cad Cell Eye Only	x	x
12	9022-021	3811	Mounting Flange Gasket	x	x
13	9022-014	NL90YH	Nozzle Line Electrode Assembly	x	x
14	9022-017	5780	Electrode Insulator Assembly	x	x
15	9011-001		Nozzle .75 GPH 80 degree A	x	
15	9011-003		Nozzle 1.00 GPH 80 degree A		x
16	9022-016	213U	Nozzle Adapter, Single	x	x
17	9022-023	3384P	Static Plate 3-3/8"	x	x
18	9022-018	3666	Bulkhead Fitting Locknut	x	x

* Includes 9022-037 interrupted duty ignitor, 9022-038 primary control, and 9022-039 cad cell assembly.

** Includes 9022-040 cad cell eye.

Date: 12-03-91
Supersedes: 5-18-90

