REPLACEMENT PARTS MANUAL

HIGH ECONOMY 6AS FIRED FURNACES

MODELS: IL85D42D, IL115D48A, IL145D60A

Manual 2110-855 Revision **G** Date **12-15-93** Supersedes 3-26-92

* GENERAL NOTES *

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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.

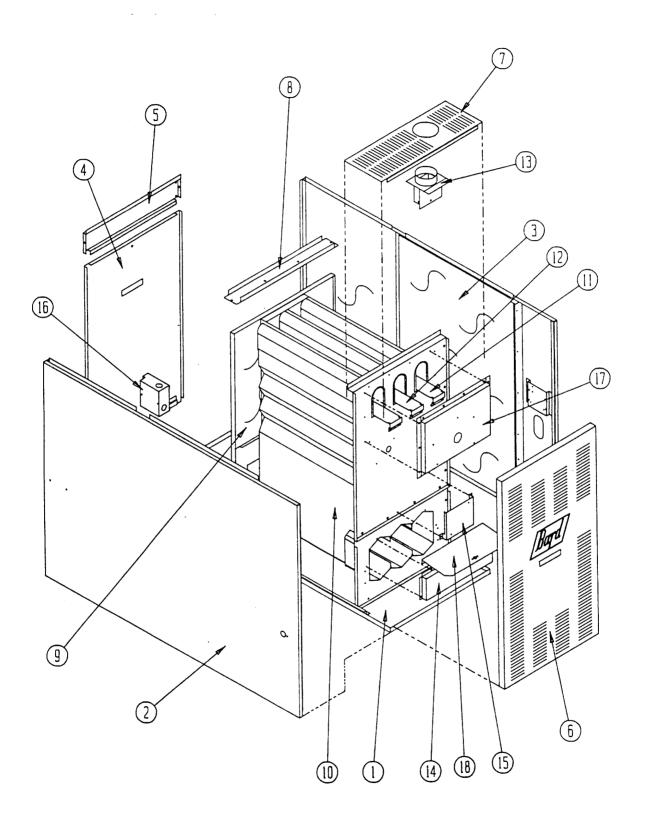
BARD MANUFACTURING COMPANY

BRYAN, OHIO 43506

^{*}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.

CABINET COMPONENTS



IL85D42D model shown above

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CABINET COMPONENTS

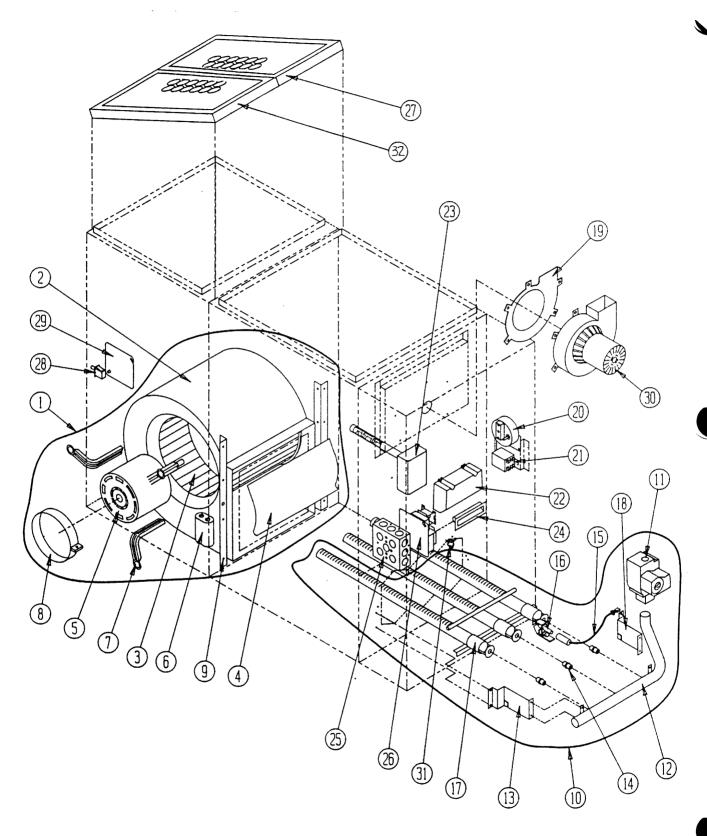
Dwg. Part No. Description S No. No. Description D S S D D		
Dwg. Part No. Description S D S	.]]	I L 1
No.	ı	4
1 127-099 Base	1	5
1 127-099 Base		D
1 127-099 Base		6
1 127-099 Base	. 1	0
1 127-100 Base		A
1 127-101 Base 2 501-250 Left Side Assembly	\top	
2 501-250 Left Side Assembly x x x x x x x x x		
3 501-251 Right Side Assembly	1	х
4 553-092		х
4 553-092 Blower Door Assembly		Х
4 553-096 Blower Door Assembly	T	
4 553-096 Blower Door Assembly	.	
5 108-042 Upper Back x 5 108-043 Upper Back x 5 108-044 Upper Back x 6 152-093 Burner Door x 6 152-095 Burner Door x 7 106-041 Top Fill x 7 106-042 Top Fill x 8 164-527 Top Channel x 8 164-528 Top Channel x 9 521-212 Blower Partition x 9 521-213 Blower Partition x 10 171-142 Heat Exchanger Assembly x 10 171-147 Heat Exchanger Assembly x 10 171-155 Heat Exchanger Assembly x 11 168-002 Internal Flue Baffle Outside 3 12 168-013 Internal Flue Baffle Inside x 14 168-008 Secondary Air Baffle x 14 168-018 Secondary Air Baffle x 14 168-018 Secondary Air Baffle		х
5 108-044 Upper Back 6 152-093 Burner Door 6 152-095 Burner Door 7 106-041 Top Fill 7 106-042 Top Fill 8 164-527 Top Channel 8 164-528 Top Channel 9 521-212 Blower Partition 9 521-213 Blower Partition 10 171-142 Heat Exchanger Assembly 10 171-147 Heat Exchanger Assembly 11 168-002 Internal Flue Baffle Outside 3 12 168-013 Internal Flue Baffle Inside 3 13 913-0004 Flue Stack Assembly x 14 168-008 Secondary Air Baffle x 14 168-018 Secondary Air Baffle x		
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10		
10	12	х
10		
11		1
12		Х
13 913-0004 Flue Stack Assembly	1	4
14 168-008 Secondary Air Baffle x 14 168-010 Secondary Air Baffle x 14 168-018 Secondary Air Baffle x	1	1
14 168-010 Secondary Air Baffle 7 14 168-018 Secondary Air Baffle 7	12	х
14 168-018 Secondary Air Baffle		1
+ · · · · · · · · · · · · · · · · · · ·		
15 112-099 Ignition Module Bracket x x	2	Х
	2	х
16	1	х
17 913-0006 Collector Box Assembly		
17 913-0007 Collector Box Assembly	.	ł
17 913-0008 Collector Box Assembly	12	х
18		
18 140-161 Switch Support		
18 140-162 Switch Support		Х

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FUNCTIONAL COMPONENTS



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FUNCTIONAL COMPONENTS

Dwg. No.	Part No.	Description	I L 8 5 D 4 2 D	I L 1 5 D 4 8	I L 1 4 5 D 6 0
1	900-103	Blower Assembly	Х		
1	900-104	Blower Assembly		Х	
1	900-054	Blower Assembly			Х
2	151-073	Blower Housing Assembly	х		
2	151-074	Blower Housing Assembly		Х	
2	(1)5152-050	Blower Housing Assembly	ļ	ļ	х
3	5152-014	Blower Wheel	X		
3	5152-059	Blower Wheel	ł	Х	
3	5152-053	Blower Wheel	<u> </u>		Х
4	1 44 -128	Diffuser	Х		
4	144-129	Diffuser		X	
4	(1)N/A	Diffuser	<u> </u>		Х
5	8105-009	Motor	Х		
5	8106-018	Motor		Х	
5	8107-004	Motor			Х
6	8552-002	Capacitor	Х		
6	8552-004	Capacitor		X	
6	8552-026	Capacitor			Х
7	8200-034	Motor Mount Arm	3	3	
7	8200-035	Motor Mount Arm			3
8	8200-033	Motor Mount Band	Х	X	X
9	104-794	Blower Angle	2	2_	2
10	901-0050	Burner Assembly	Х		
10	901-0061	Burner Assembly		X	
10	901-0076	Burner Assembly			х
11	5651-062	Gas Valve	X	X	Х
12	5818-020	Manifold 3 Section	Х		
12	5818-021	Manifold 4 Section		X	
12	5818-022	Manifold 5 Section			х
13	112 Y09 5	Left Manifold Bracket	X	X	Х
14	9010-010	Gas Orifice #38	3	4	5
15	8600-009	Ignition Cable	Х	Х	Х
16	8620-038	Pilot Burner Assembly	Х	Х	Х
17	9010-037	Burner 3 Section	Х		
17	9010-038	Burner 4 Section		Х	
17	9010-039	Burner 5 Section			х

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

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İ				L	L	Ь
I				8	1	1
l	Dwg.	Part No.	Description	5	1	4
l	No.			D	5	5
l				4	D	D
				2	4	6
				D	8	0
l					A	A
l	18	112 X 095	Right Manifold Bracket	Х	Х	Х
L	19	1921-019	IDB Gasket	Х	Х	Х
L	20	84 06-051	Pressure Switch	Х	Х	Х
	21	8201-048	DPST Relay 24V Coil	Х	Х	Х
L	22	5651-093	Ignition Module	Х	Х	Х
l	23	8620-081	Fan/Limit Control	Х	Х	
L	23	8620-080	Fan/Limit Control			Х
L	24	1171-025	Door Pull	Х	Х	Х
L	2 5	8614-001	Front Junction Box	Х	Х	х
L	26	8201-006	Fan Center	Х	Х	х
	27	7003-023	Permanent Filter	2		
L	27	7003-016	Permanent Filter		Х	2
	28	8406-013	Door Switch	Х	Х	
L	28	8406-047	Door Switch			х
L	29	8614-029	Cover Plate	Х	Х	Х
L	30	8109-001	Induced Draft Blower	Х	Х	Х
	31	8406-037	Flame Rollout Switch	Х		
L	31	8406-038	Flame Rollout Switch		Х	Х
L	32	7003-021	Permanent Filter		Х	
L		4046-120	Wiring Diagram	Х	Х	X
L		8620-040	Pilot Gas Tube W/Fitting	X	Х	Х

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