## REPLACEMENT PARTS MANUAL

# HI GH ECONOMY GAS FIRED FURNACES MODELS I C60D36A, I C85D42A, I C115D48A

Manual 2110-854

Revision C Date 6-06-91

Supersedes Z-19-90

\*\*\*\*\* \* GENERAL NOTES \* \*\*\*\*\*

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\*\*\*\*\* \*\*\* IMPORTANT \*\*\* \*\*\*\*\*

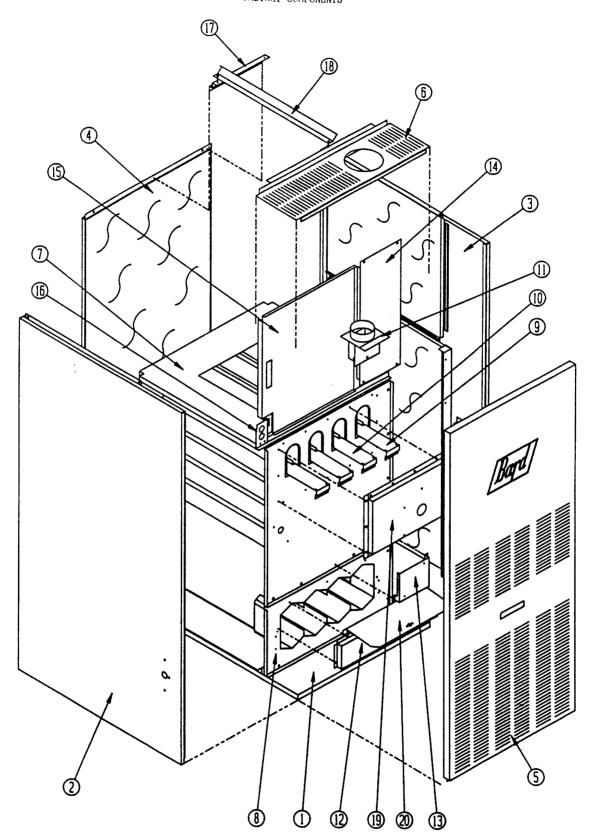
Contact the installing and/or local Bard distributor for all parts requirements. Make sure you have the complete model and serial number available from the unit rating plate.

BARD MANUFACTURING COMPANY

BRYAN, OHIO 43506

<sup>\*</sup>Revised and/or additional pages may be issued from time to time.

<sup>\*</sup>A complete and current manual consists of pages dated as shown in the following index,



IC115D48A model shown above

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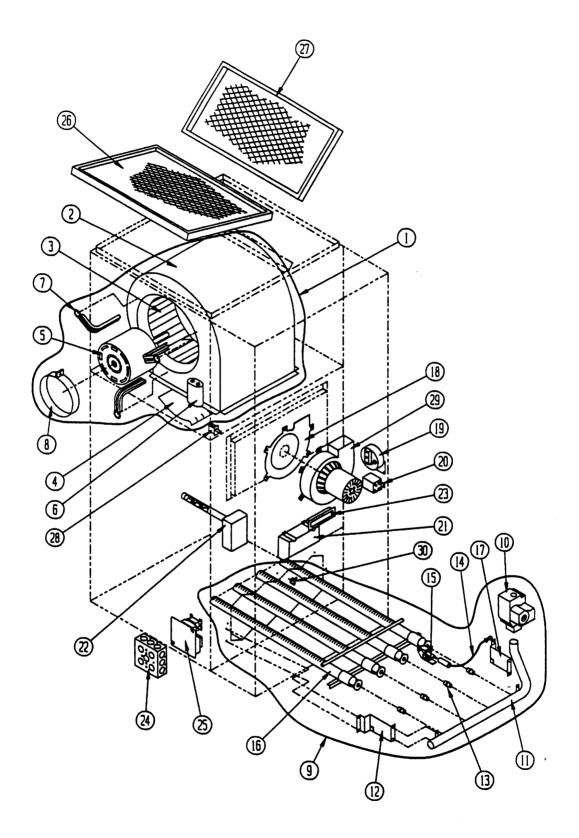
# CABINET COMPONENTS

Dwg. Part No.   Description   O.   S						
Dwg.   Part No.   Description   Descriptio				l .	ļ	I
Deg.   Part No.   Description   Descriptio				1	1 -	C
No.   D   D   S   S   S   S   S   S   S   S			Dan av ink i va	1	1	1
1   127-039		Part No.	Description	1	ı	
1   127-039	NO.			-	"	5
1   127-039				_	1 -	D
1   127-039				_	1 -	4
1   127-039				A	A	8 A
1   127-043   Lower Base Assembly	1	127-039	Lower Base Assembly	Х		
2   501-126   Left Side Assembly	1	127-041	Lower Base Assembly		Х	
3   501-125   Right Side Assembly	1	127-043	Lower Base Assembly		<u> </u>	Х
4   508-017   Back Assembly   Back Assembly   Back Assembly   Back Assembly   So8-019   Back Assembly   Back Assembly   So8-019   Back Assembly   So8-019   Burner Door   Some Some Some Some Some Some Some Some	2	501-126	Left Side Assembly	X	Х	X
4   508-018   Back Assembly	3	501-125	Right Side Assembly	X	X	Х
Solution   Solution	4	508-017	Back Assembly	Х		
5	4	508-018	Back Assembly		Х	
5	4	508-019	Back Assembly			Х
5         152-088         Burner Door           6         107-074         Top Fill Assembly         x           6         107-075         Top Fill Assembly         x           6         107-076         Top Fill Assembly         x           7         126-038         Blower Base         x           7         126-040         Blower Base         x           8         171-137         Heat Exchanger Assembly         x           8         171-141         Heat Exchanger Assembly         x           9         168-002         Internal Flue Baffle Outside         2         3           10         168-013         Internal Flue Baffle Inside         x         x           11         913-0002         Flue Stack Assembly         x         x           12         168-003         Secondary Air Baffle         x         x           12         168-008         Secondary Air Baffle         x         x           12         168-009         Ignition Module Bracket         x         x           14         152-118         Right Filter Door         x         x           15         152-115         Left Filter Door         x         x	1 1	1 1		Х		
6         107-074         Top Fill Assembly         x           6         107-075         Top Fill Assembly         x           7         126-038         Blower Base         x           7         126-040         Blower Base         x           8         171-137         Heat Exchanger Assembly         x           8         171-141         Heat Exchanger Assembly         x           9         168-002         Internal Flue Baffle Outside         2         3           10         168-013         Internal Flue Baffle Inside         x         x           11         913-0002         Flue Stack Assembly         x         x           12         168-003         Secondary Air Baffle         x         x           12         168-008         Secondary Air Baffle         x         x           12         168-009         Ignition Module Bracket         x         x           14         152-118         Right Filter Door         x         x           15         152-115         Left Filter Door         x         x           15         152-116         Left Filter Door         x         x           15         152-117         Left Filte	5	152-086	Burner Door		Х	
6       107-075       Top Fill Assembly       x         7       126-038       Blower Base       x         7       126-040       Blower Base       x         7       126-044       Blower Base       x         8       171-137       Heat Exchanger Assembly       x         8       171-141       Heat Exchanger Assembly       x         9       168-002       Internal Flue Baffle Outside       2       3         10       168-013       Internal Flue Baffle Inside       x       x         11       913-0002       Flue Stack Assembly       x       x         12       168-003       Secondary Air Baffle       x       x         12       168-008       Secondary Air Baffle       x       x         12       168-010       Secondary Air Baffle       x       x         13       112-099       Ignition Module Bracket       x       x         14       152-118       Right Filter Door       x       x         15       152-115       Left Filter Door       x       x         15       152-116       Left Filter Door       x       x         16       112-028       Door Switch Bracket<	5	152-088	Burner Door			Х
6       107-076       Top Fill Assembly         7       126-038       Blower Base       x         7       126-040       Blower Base       x         8       171-137       Heat Exchanger Assembly       x         8       171-141       Heat Exchanger Assembly       x         8       171-146       Heat Exchanger Assembly       x         9       168-002       Internal Flue Baffle Outside       2       3         10       168-013       Internal Flue Baffle Inside       x       x         11       913-0002       Flue Stack Assembly       x       x         12       168-003       Secondary Air Baffle       x       x         12       168-008       Secondary Air Baffle       x       x         12       168-010       Secondary Air Baffle       x       x         13       112-099       Ignition Module Bracket       x       x         14       152-118       Right Filter Door       x       x         15       152-115       Left Filter Door       x       x         15       152-116       Left Filter Door       x       x         16       112-028       Door Switch Bracket	6	107-074	Top Fill Assembly	X		
7       126-038       Blower Base       x         7       126-040       Blower Base       x         8       171-137       Heat Exchanger Assembly       x         8       171-141       Heat Exchanger Assembly       x         9       168-002       Internal Flue Baffle Outside       2       3         10       168-013       Internal Flue Baffle Inside       x       x         11       913-0002       Flue Stack Assembly       x       x         12       168-003       Secondary Air Baffle       x       x         12       168-003       Secondary Air Baffle       x       x         12       168-008       Secondary Air Baffle       x       x         12       168-010       Secondary Air Baffle       x       x         13       112-099       Ignition Module Bracket       x       x         14       152-118       Right Filter Door       x       x         15       152-115       Left Filter Door       x       x         15       152-116       Left Filter Door       x       x         16       112-028       Door Switch Bracket       x       x         17	6	107-075	Top Fill Assembly		Х	
7       126-040       Blower Base       x         7       126-044       Blower Base       x         8       171-137       Heat Exchanger Assembly       x         8       171-141       Heat Exchanger Assembly       x         9       168-002       Internal Flue Baffle Outside       2       3         10       168-013       Internal Flue Baffle Inside       x       x         11       913-0002       Flue Stack Assembly       x       x         12       168-003       Secondary Air Baffle       x       x         12       168-008       Secondary Air Baffle       x       x         12       168-010       Secondary Air Baffle       x       x         13       112-099       Ignition Module Bracket       x       x         14       152-118       Right Filter Door       x       x         15       152-115       Left Filter Door       x         15       152-116       Left Filter Door       x         16       112-028       Door Switch Bracket       x       x         17       130-062       Rear Filter Support       x       x         19       913-0005       Collect	6	107-076				Х
7	7	126-038	Blower Base	X		
8       171-137       Heat Exchanger Assembly       x         8       171-141       Heat Exchanger Assembly       x         9       168-002       Internal Flue Baffle Outside       2       3         10       168-013       Internal Flue Baffle Inside       x       x         11       913-0002       Flue Stack Assembly       x       x         12       168-003       Secondary Air Baffle       x       x         12       168-008       Secondary Air Baffle       x       x         12       168-010       Secondary Air Baffle       x       x         13       112-099       Ignition Module Bracket       x       x         14       152-118       Right Filter Door       x       x         15       152-115       Left Filter Door       x       x         15       152-116       Left Filter Door       x       x         16       112-028       Door Switch Bracket       x       x         17       130-062       Rear Filter Support       x       x         18       130-023       Filter Support       x       x         19       913-0005       Collector Box Assembly       x	7	126-040	Blower Base		Х	
8       171-141       Heat Exchanger Assembly       x         9       168-002       Internal Flue Baffle Outside       2       3         10       168-013       Internal Flue Baffle Inside       x       x         11       913-0002       Flue Stack Assembly       x       x         11       913-0004       Flue Stack Assembly       x       x         12       168-003       Secondary Air Baffle       x       x         12       168-008       Secondary Air Baffle       x       x         13       112-099       Ignition Module Bracket       x       x         14       152-118       Right Filter Door       x       x         15       152-115       Left Filter Door       x       x         15       152-116       Left Filter Door       x       x         15       152-117       Left Filter Door       x       x         16       112-028       Door Switch Bracket       x       x         17       130-062       Rear Filter Support       x       x         18       130-023       Filter Support       x       x         19       913-0005       Collector Box Assembly       x	7	126-044	Blower Base			Х
8       171-146       Heat Exchanger Assembly         9       168-002       Internal Flue Baffle Outside       2         10       168-013       Internal Flue Baffle Inside         11       913-0002       Flue Stack Assembly       x         11       913-0004       Flue Stack Assembly       x         12       168-003       Secondary Air Baffle       x         12       168-008       Secondary Air Baffle       x         12       168-010       Secondary Air Baffle       x         13       112-099       Ignition Module Bracket       x       x         14       152-118       Right Filter Door       x       x         15       152-115       Left Filter Door       x       x         15       152-116       Left Filter Door       x       x         15       152-117       Left Filter Door       x       x         16       112-028       Door Switch Bracket       x       x         17       130-062       Rear Filter Support       x       x         18       130-023       Filter Support       x       x         19       913-0005       Collector Box Assembly       x   <	8	171-137		X		
9       168-002       Internal Flue Baffle Outside       2       3         10       168-013       Internal Flue Baffle Inside       x       x         11       913-0002       Flue Stack Assembly       x       x         11       913-0004       Flue Stack Assembly       x       x         12       168-003       Secondary Air Baffle       x       x         12       168-008       Secondary Air Baffle       x       x         12       168-010       Secondary Air Baffle       x       x         13       112-099       Ignition Module Bracket       x       x         14       152-118       Right Filter Door       x       x         15       152-115       Left Filter Door       x       x         15       152-116       Left Filter Door       x       x         15       152-117       Left Filter Door       x       x         16       112-028       Door Switch Bracket       x       x         17       130-062       Rear Filter Support       x       x         18       130-023       Filter Support       x       x         19       913-0005       Collector Box Assembly	1 1	171-141			Х	
10	+					Х
11       913-0002       Flue Stack Assembly       x       x         11       913-0004       Flue Stack Assembly       x         12       168-003       Secondary Air Baffle       x         12       168-008       Secondary Air Baffle       x         12       168-010       Secondary Air Baffle       x         13       112-099       Ignition Module Bracket       x       x         14       152-118       Right Filter Door       x       x         15       152-115       Left Filter Door       x       x         15       152-116       Left Filter Door       x       x         15       152-117       Left Filter Door       x       x         16       112-028       Door Switch Bracket       x       x         17       130-062       Rear Filter Support       x       x         18       130-023       Filter Support       x       x         19       913-0005       Collector Box Assembly       x				2	3	2
11       913-0004       Flue Stack Assembly         12       168-003       Secondary Air Baffle       x         12       168-008       Secondary Air Baffle       x         12       168-010       Secondary Air Baffle       x         13       112-099       Ignition Module Bracket       x       x         14       152-118       Right Filter Door       x       x         15       152-115       Left Filter Door       x       x         15       152-116       Left Filter Door       x       x         15       152-117       Left Filter Door       x       x         16       112-028       Door Switch Bracket       x       x         17       130-062       Rear Filter Support       x       x         18       130-023       Filter Support       x       x         19       913-0005       Collector Box Assembly       x						2
12       168-003       Secondary Air Baffle       x         12       168-008       Secondary Air Baffle       x         12       168-010       Secondary Air Baffle       x         13       112-099       Iqnition Module Bracket       x       x         14       152-118       Right Filter Door       x       x         15       152-115       Left Filter Door       x       x         15       152-116       Left Filter Door       x       x         15       152-117       Left Filter Door       x       x         16       112-028       Door Switch Bracket       x       x         17       130-062       Rear Filter Support       x       x         18       130-023       Filter Support       x       x         19       913-0005       Collector Box Assembly       x		1	<u>-</u>	X	Х	
12       168-008       Secondary Air Baffle       x         12       168-010       Secondary Air Baffle       x       x         13       112-099       Iqnition Module Bracket       x       x         14       152-118       Right Filter Door       x       x         15       152-115       Left Filter Door       x       x         15       152-116       Left Filter Door       x       x         15       152-117       Left Filter Door       x       x         16       112-028       Door Switch Bracket       x       x         17       130-062       Rear Filter Support       x       x         18       130-023       Filter Support       x       x         19       913-0005       Collector Box Assembly       x					ļ	X
12       168-010       Secondary Air Baffle         13       112-099       Ignition Module Bracket       x       x         14       152-118       Right Filter Door       x       x         15       152-115       Left Filter Door       x         15       152-116       Left Filter Door       x         15       152-117       Left Filter Door       x         16       112-028       Door Switch Bracket       x       x         17       130-062       Rear Filter Support       x       x         18       130-023       Filter Support       x       x         19       913-0005       Collector Box Assembly       x		1 1		X		
13         112-099         Iqnition Module Bracket         x         x           14         152-118         Riqht Filter Door         x         x           15         152-115         Left Filter Door         x           15         152-116         Left Filter Door         x           15         152-117         Left Filter Door         x           16         112-028         Door Switch Bracket         x         x           17         130-062         Rear Filter Support         x         x           18         130-023         Filter Support         x         x           19         913-0005         Collector Box Assembly         x	1 - 1	1			X	
14       152-118       Right Filter Door       x       x         15       152-115       Left Filter Door       x         15       152-116       Left Filter Door       x         15       152-117       Left Filter Door       x         16       112-028       Door Switch Bracket       x       x         17       130-062       Rear Filter Support       x       x         18       130-023       Filter Support       x       x         19       913-0005       Collector Box Assembly       x	+					X
15       152-115       Left Filter Door       x         15       152-116       Left Filter Door       x         15       152-117       Left Filter Door       x         16       112-028       Door Switch Bracket       x       x         17       130-062       Rear Filter Support       x       x         18       130-023       Filter Support       x       x         19       913-0005       Collector Box Assembly       x	+					Х
15       152-116       Left Filter Door       x         15       152-117       Left Filter Door       x       x         16       112-028       Door Switch Bracket       x       x         17       130-062       Rear Filter Support       x       x         18       130-023       Filter Support       x       x         19       913-0005       Collector Box Assembly       x	+				X	X
15       152-117       Left Filter Door         16       112-028       Door Switch Bracket       x x         17       130-062       Rear Filter Support       x x         18       130-023       Filter Support       x x         19       913-0005       Collector Box Assembly       x	1 1			X		
16       112-028       Door Switch Bracket       x       x         17       130-062       Rear Filter Support       x       x         18       130-023       Filter Support       x       x         19       913-0005       Collector Box Assembly       x		(			X	
17       130-062       Rear Filter Support       x       x         18       130-023       Filter Support       x       x         19       913-0005       Collector Box Assembly       x	_				-	X
18         130-023         Filter Support         x         x           19         913-0005         Collector Box Assembly         x	+					X
19 913-0005 Collector Box Assembly x	+					X
					X	X
TIME I WIS-ITTEN INCLIDENCE KOV ACCOMPTU	5			X		
· · · · · · · · · · · · · · · · · · ·		913-0006	•		X	
	_			_		Х
20 140-159 Switch Support			••	X	_	
20   140-163   Switch Support	1 1				X	
20 140-161 Switch Support	ZU	140-161	switch support	L	L	Х

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## FUNCTIONAL COMPONENTS

Dwg. No.	Part No.	Description	I C 6 0 D 3 6 A	I C 8 5 D 4 2 A	I C 1 1 5 D 4 8
1	900-114	Blower Assembly	Х		
1	900-116	Blower Assembly		X	
1	900-118	Blower Assembly	_		X
2	151-075	Blower Housing	X		
2	151-076	Blower Housing		X	
2	151-077	Blower Housing			Х
3	5152-010	Blower Wheel	Х		
3	5152-014			Х	
3	5152-059				X
4	144-125	Diffuser	Х		
4	144-128	Diffuser		X	
4	144-129	Diffuser			Х
5	8105-008	Motor	Х		
5 5	8105-009	Motor		X	
6	8106-018	Motor	-		X
6	8552-002 8552-004	Capacitor	X	X	
7	8200-036	Capacitor Motor Mount Arm	3		X
7			J	,	,
8	8200-034	Motor Mount Arm	_	3	3
9	8200-033	Motor Mount Band	X	X	X
	901-0074	Burner Assembly	X	_	
9	901-0050	Burner Assembly		X	
10	901-0061	Burner Assembly Gas Valve	<u> </u>	-	X
11	5651-062 5818-019	Burner Manifold	X	X	Х
11	5818-020	Burner Manifold	X	,	
11	5818-020 5818-021	Burner Manifold		X	
12	1121095	Left Manifold Bracket	-		X
13	9010-010		2	3	X 4
14	8600-009	Ignition Cable	X	X	X
15	8554-009	Pilot Burner Assembly	Х	Х	X
16	9010-036	Burner Venturi 2 Section	Х	^	-
16	9010-037	Burner Venturi 3 Section	"	x	
16	9010-038	Burner Venturi 4 Section		n	х
17	112X095	Right Manifold Bracket	Х	х	X

			I	I	I
			C	C	C
Deve	Dant No	Dames in Li	6	8	1
Dwg.	Part No.	Description	0	5	1
No.			D	D	5
			3	4	D
			6	2	4
			A	A	8
10	1001 010	TDD G	<b> </b>	<b> </b>	A
18	1921-019		Х	Х	Х
19	8406-021	Pressure Switch	Х	Х	Х
20	8201-048	DPST Relay24V	X	X	Х
21	5651-073	Ignition Module	Х	Х	Х
22	8402-046	Fan/Limit Control	х		
22	8402-045	Fan/Limit Control		Х	Х
23	1171-025	Door Pull	Х	Х	Х
24	8614-001	Junction Box	Х	Х	Х
25	8201-006	2 Speed Fan Center	Х	Х	Х
26	7003-001	Permanent Filter 10x20x1		2	1
27	7003-003	Permanent Filter 15x20x1	1		1
28	8406-013	Door Switch	X	Х	Х
29	8109-001	Induced Draft Blower	Х	Х	Х
30	8406-038	Flame Rollout Switch	Х	Х	Х
	4046-119	Wiring Diagram	Х	Х	Х
	8620-040	Pilot Gas Tube W/Fitting	Х	X	Х

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