
REPLACEMENT PARTS MANUAL

Wall Mounted Packaged Air Conditioner

Models:
W12AF-A W12AF-K

General Notes

- Revised and/or additional pages may be issued from time to time.
- A complete and current manual consists of pages shown in the following contents section.

Important

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

Contents

Description	Page
Cabinet Components	
♦ Exploded View.....	2
♦ Usage List	3
Functional Components	
♦ Exploded View.....	4
♦ Usage List	5
Control Panel (Circuit Breaker Option)	
♦ Layout View	6
♦ Usage List	7
Blower Assembly	
♦ Exploded View.....	8
♦ Usage List	8

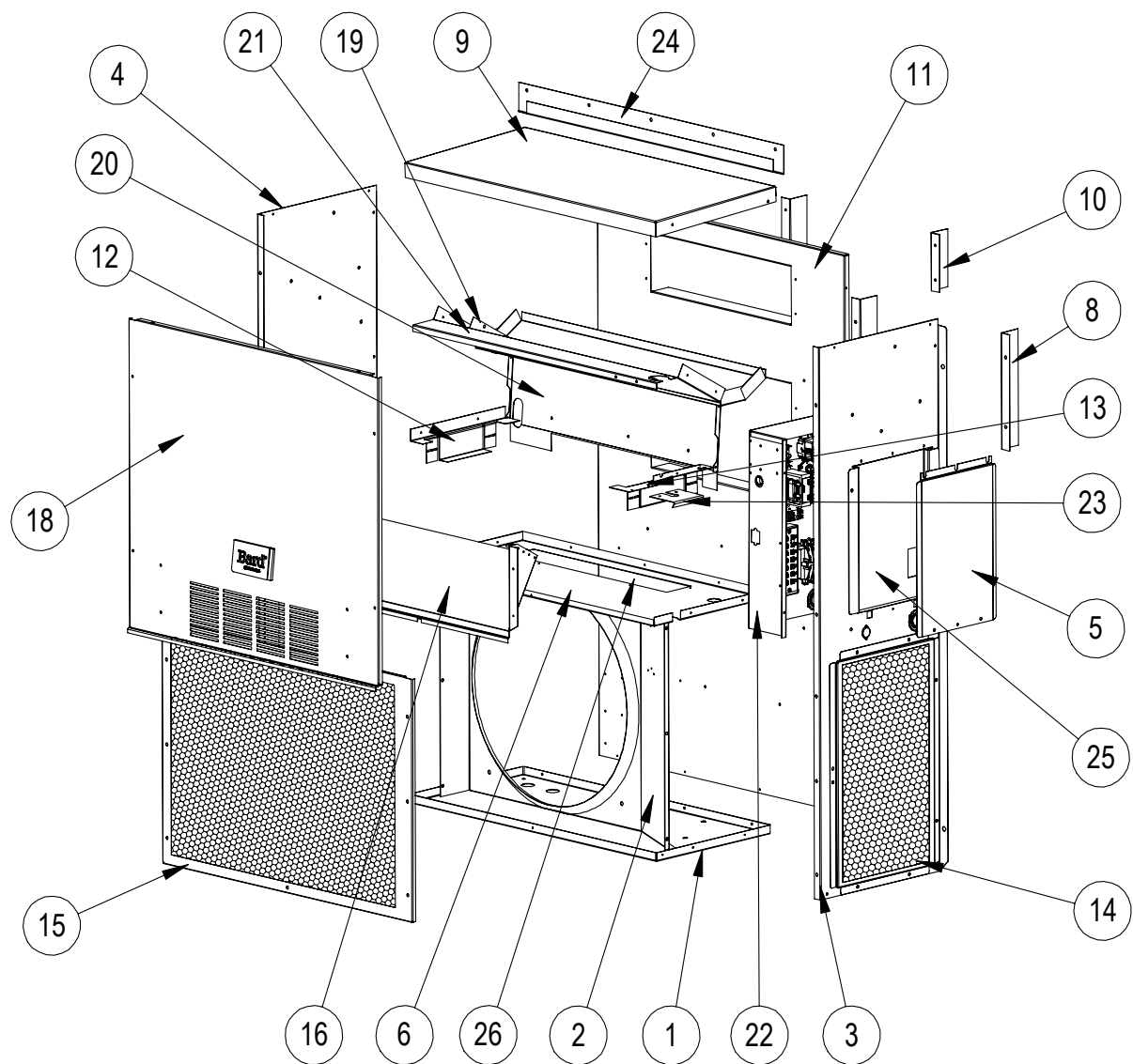


Climate Control Solutions

Bard Manufacturing Company, Inc.
Bryan, Ohio 43506
www.bardhvac.com

Manual: 2110-1493A
Supersedes: 2110-1493
Date: 5-13-25

CABINET COMPONENTS



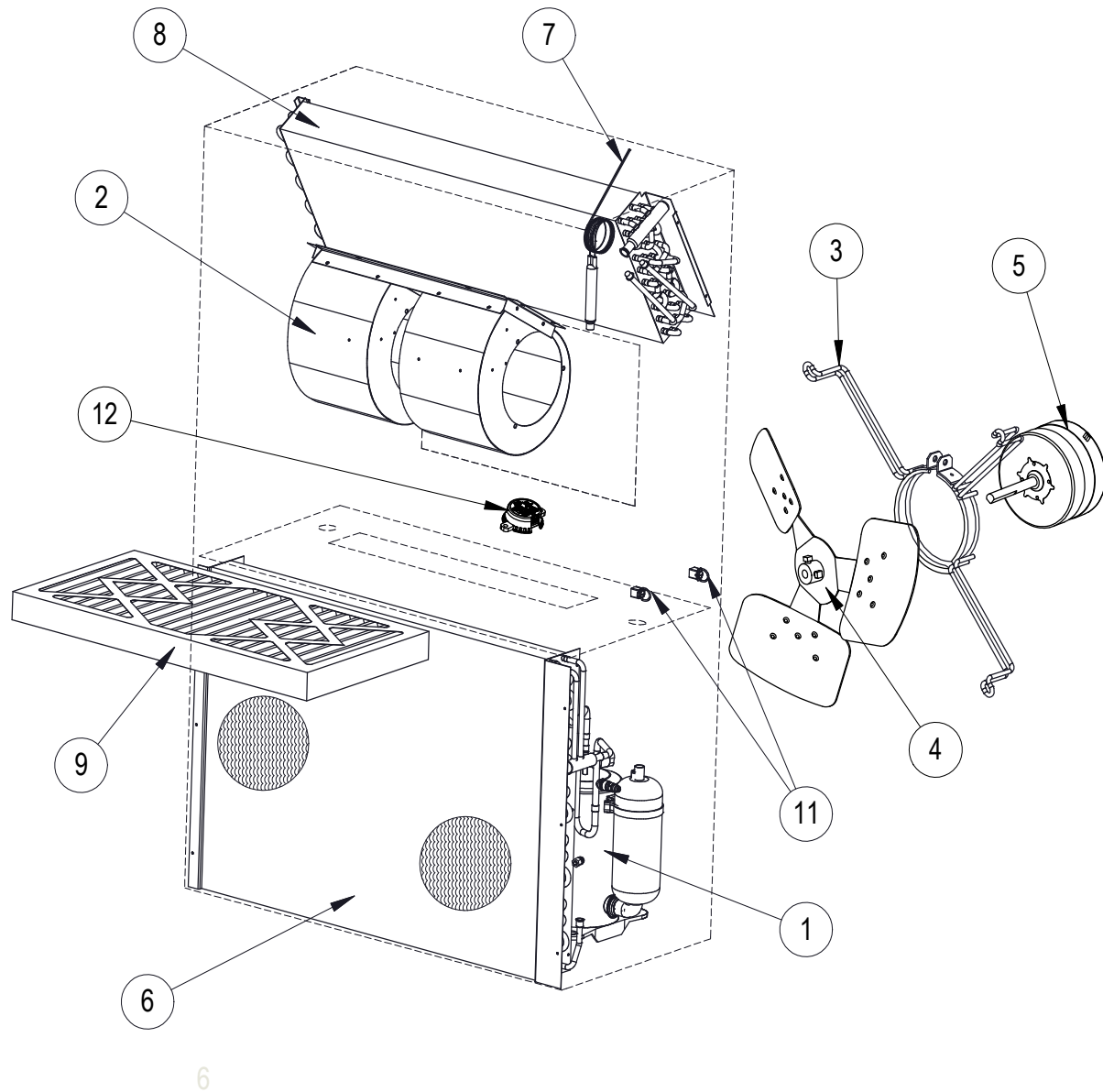
SEXP-724 A

CABINET COMPONENTS

Drawing No.	Part No.	Description	W12AF-A	W12AF-K
1	127-491BX	Lower Base	X	
2	125-071BX	Fan Shroud	X	
3	501-867-*BX ①	Right Side	X	
4	501-868-*BX ①	Left Side	X	
5	133-264-*BX ①	Control Panel Cover (Outer)	X	
6	520-243BX	Condenser Partition	X	
8	111-214BX	Return Air Frame Angle	2	
9	506-148-*BX ①	Top	X	
10	111-036BX	Outlet Air Frame Angle	2	
11	509-325BX	Back	X	
12	113-529BX	Left Filter Bracket	X	
13	113-532BX	Right Filter Bracket	X	
14	118-095-*BX ①	Side Grille	2	
15	118-096-*BX ①	Condenser Grille	X	
16	BFAD-1	Fresh Air Damper Assembly	X	
18	514-295-*BX ①	Upper Front	X	
19	113-176BX	Heater Bracket	X	
20	121-504BX	Return Partition	X	
21	121-602BX	Drain Pan	X	
22	Control Panel Assembly	See Control Panel Assembly Drawing and Parts List	X	
23	135-138BX	Fill Plate	X	
24	113-178-*BX ①	Top Rain Flashing	X	
25	133-263-*BX ①	Control Panel Cover (Inner)	X	
26	536-252BX	Condenser Blank-Off Plate	X	

① Exterior cabinet parts are manufactured with various paint color options. To ensure the proper paint color is received, reference the following codes: Beige -X, White -1, Buckeye Gray -4, Desert Brown -5, Dark Bronze -8

FUNCTIONAL COMPONENTS



SEXP-725 A

FUNCTIONAL COMPONENTS

Drawing No.	Part No.	Description	W12AF-A	W12AF-K
1	8000-565BX	Compressor	X	
1	8000-566BX	Compressor		X
2	900-374BX	Blower Assembly 240V	X	
2	900-379BX	Blower Assembly 115V		X
3	8200-001BX	Fan Motor Mount	X	X
4	5151-059BX	Fan Blade	X	X
5	8101-031BX	Condenser Motor 240V	X	
5	8101-032BX	Condenser Motor 115V		X
6	5051-194BX	Condenser Coil	X	X
7	800-0520BX	Cooling Capillary Assembly	X	
7	800-0521BX	Cooling Capillary Assembly		X
8	5060-193BX	Evaporator Coil	X	X
9	7003-073	Air Filter 1" Washable	X	X
9	7004-056	Air Filter 1" Throw Away ①	X	X
9	7004-057	Air Filter 2" Pleated MERV8 ①	X	X
9	7004-072	Air Filter 2" MERV13 ①	X	X
11	1171-066	#82 1/4 Turn Fastener	X	X
11	1171-065	#82 Receptacle	X	X
11	1171-064	Retainer Clip	X	X
12	8301-110BX	Refrigerant Detection Sensor	X	X
NS	8406-170BX	High Pressure Switch (Screw On)	X	X
NS	8406-166BX	Low Pressure Switch (Screw On)	X	X
NS	CMA-39	Low Ambient Control Service Kit (Flare) ①	X	X
NS	8402-237BX	Compressor Overload	X	
NS	8402-238BX	Compressor Overload		X
NS	5201-021BX	Filter Drier	X	X
NS	6031-009	Coremax Valve Core	X	X
NS	8408-048BX	Freeze Stat (Part of CMA-39 LAC Kit)	X	X
NS	8408-055BX	Outdoor Thermostat (Part of CMA-39 LAC Kit)	X	X
NS	8406-112BX	Low Ambient Control (Part of CMA-39 LAC Kit)	X	X

NS – Not Shown

① – Optional on these models



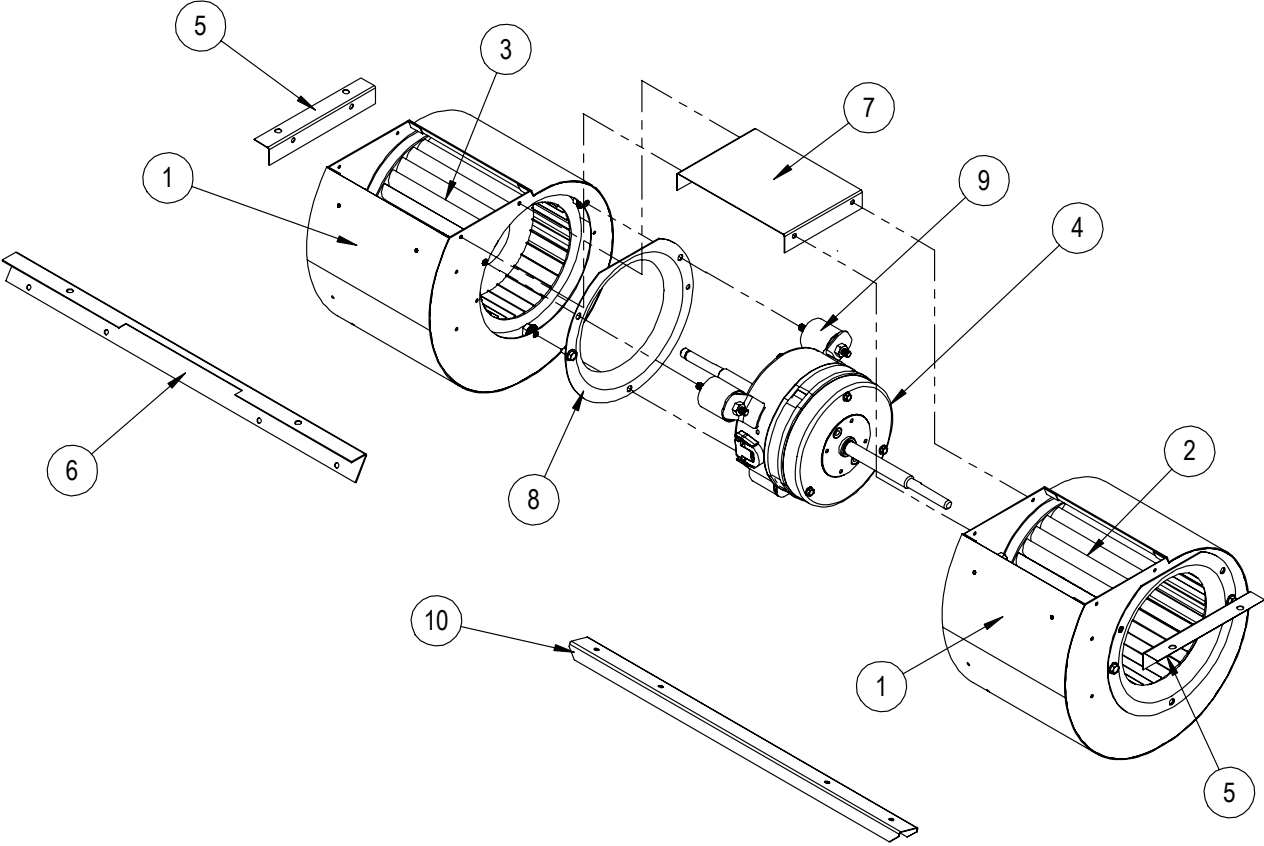
CONTROL PANEL (CIRCUIT BREAKER OPTION)

Drawing No.	Part No.	Description	W12AF-A0Z	W12AF-A03	W12AF-A05	W12AF-K00	W12AF-K02
1	117-462BX	Control Panel	X	X	X	X	X
2	117-416BX	Low Voltage Box	X	X	X	X	X
3	8401-033BX	Compressor Contactor	X	X	X	X	X
4	8407-068BX	Transformer	X	X	X		
4	8407-045BX	Transformer				X	X
5	8201-130BX	Blower Control Relay	X	X	X	X	X
6	8201-176BX	Compressor Control Module	X	X	X	X	X
7	8607-063BX	Low Voltage Terminal Strip	X	X	X	X	X
8	8615-060BX	Circuit Breaker 15A 2 pole 240V	X				
8	8615-036BX	Circuit Breaker 25A 2 pole 240V		X			
8	8615-037BX	Circuit Breaker 30A 2 pole 240V			X		
9	8611-281BX	Ground Terminal	X	X	X	X	X
10	8552-050BX	Compressor Capacitor	X	X	X		
10	8552-062BX	Compressor Capacitor				X	X
11	8401-033BX	Heat Contactor		X	X		X
12	113-943BX	DIN Rail	X	X	X		
13	127-546BX	Circuit Breaker Offset	X	X	X		
14	8201-130BX	Alarm Relay ①	X	X	X	X	X
15	8607-017BX	Terminal Block ① (Shown)	X	X	X	X	X
16	8604-156BX	Heat Strip 3KW with Limit and Thermal Cut Off		X			
16	8604-157BX	Heat Strip 5KW with Limit and Thermal Cut Off			X		
16	8604-158BX	Heat Strip 2KW with Limit and Thermal Cut Off					X
17	8402-188BX	Limit		X			
17	8402-074BX	Limit			X		
17	8402-205BX	Limit					X
18	8402-202BX	Thermal Cut Off		X			
18	8402-204BX	Thermal Cut Off			X		
18	8402-203BX	Thermal Cut Off					X
19	8201-159BX	Blower Control Relay	X	X	X	X	X
20	8401-036BX	RDS Relay	X	X	X	X	X
NS	4213-136	Wiring Diagram	X				
NS	4213-137	Wiring Diagram		X	X		
NS	4213-138	Wiring Diagram				X	
NS	4213-139	Wiring Diagram					X

NS – Not Shown

① – Optional on these models

BLOWER ASSEMBLY



SEXP-999 A

Drawing No.	Part No.	Description	900-374	900-379
1	151-114BX	Blower Housing *	2	2
2	5152-084BX	Wheel (CW) Right	X	X
3	5152-085BX	Wheel (CCW) Left	X	X
4	8101-030BX	Blower Motor (230/208)	X	
4	8101-033BX	Blower Motor (115)		X
5	105-908BX	Side Angle	2	2
6	105-1473BX	Front Brace	X	X
7	141-507BX	Center Blower Support	X	X
8	144-180BX	Inlet Ring	4	4
9	5451-033BX	Mounting Grommet	3	3
10	164-614BX	Blower Support Channel	X	X

* Replace with new rings