USER'S INFORMATION, MAINTENANCE AND SERVICE MANUAL

DOWNFLOW/UPFLOW ELECTRIC FURNACE

MODELS: EB SERIES





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| CONTACT INFORMAT | FION FOR USA | CONTACT INFORMATION FOR CANADA |
|---------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contact us by mail: DISTRIBUTED BY: Style Crest Inc. Drawer A Fremont, OH 43420 | Manufacturer: Johnson Controls, Unitary Products | Go to website at www.york.com click on "contact", then click on "contact form" and follow the instructions. Contact us by mail: Johnson Controls Unitary Products Consumer Relations 5005 York Drive Norman, OK 73069 |

The manufacturer recommends that the user read all sections of this manual and keep the manual for future reference.

ACAUTION

This furnace and its components, including the air conditioning coils and blowers listed on the A/C accessory sticker were listed in combination as a system by Underwriters Laboratories.

Use of other components not tested in combination with this furnace may make the equipment in violation of State Codes, may create a hazard, and may ruin the equipment.

In addition, the National Manufactured Housing Construction and Safety Standards Act and its Regulations require the use of components listed or certified by a nationally recognized testing laboratory in all manufactured homes built and sold subject to that act.

SECTION I: SAFETY



This is a safety alert symbol. When you see this symbol on labels or in manuals, be alert to the potential for personal injury.

Understand and pay particular attention to the signal words **DANGER**, **WARNING**, or **CAUTION**.

DANGER indicates an **imminently** hazardous situation, which, if not avoided, **will result in death or serious injury**.

WARNING indicates a **potentially** hazardous situation, which, if not avoided, **could result in death or serious injury**.

CAUTION indicates a potentially hazardous situation, which, if not avoided <u>may result in minor or moderate injury.</u> It is also used to alert against unsafe practices and hazards involving only property damage.

AWARNING

FOR YOUR SAFETY - Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

For personal safety be sure to turn the electrical power OFF at the household service box and at the furnace before attempting any service or maintenance operations. Homeowner should never perform any maintenance which requires opening the furnace electrical panel.

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

AWARNING

To avoid the possibility of electrical shock do not open electrical box panels.

SECTION II: TO OPERATE FURNACE

- Be sure electrical power to furnace is turned on at the house-hold service box.
- 2. Set wall thermostat to the desired temperature.
- 3. If furnace is equipped with Air Conditioning, the System Switch, located at the wall thermostat, must be turned to HEAT in order for the furnace to operate in the heating model.

AWARNING

If you have an air conditioner which does not use the furnace blower for air distribution and operates completely independent of the furnace, the thermostat system must have an interlock to prevent the furnace and air conditioner from operating at the same time. Such operation could cause equipment damage, energy waste and overheating of the home.

The interlock system usually contains a heat-cool switch which must be turned to either HEAT or COOL to activate either heating or cooling operation.

If an interlock system has not been provided, the electrical supply to the furnace must be turned OFF at the household service box, when the air conditioner is being used. When operating the furnace, the electrical supply to the air conditioner must be turned OFF.

TO SHUT FURNACE OFF

1. Turn thermostat to its lowest setting.

NOTICE

Furnace will still operate if room temperature falls below thermostat setting.

For complete shut-down, turn off electrical power at the household service box.

SECTION III: SEQUENCE OF OPERATION

When room thermostat calls for heat, 24-volt power is supplied to the heating element switches. As soon as the first heating element switch closes, the blower starts and power is supplied to the first heating element. Each additional element is staged on in successive intervals.

When the room thermostat is satisfied and no more heat is required, the elements sequence off in the reverse order and the blower will then turn off.

LIMIT CONTROLS

Each element has an automatic limit switch which is wired into the circuit and shuts off power to that element if the heat at that point exceeds the allowable maximum heat.

BLOWER REMOVAL

NOTICE

Only authorized service technicians should remove the blower.

To remove blower from furnace, turn off power at household service box, turn furnace circuit breakers OFF. Disconnect wiring to blower, and remove five (5) screws holding blower in furnace and slide blower out from front of the furnace. See Figure 1.

Re-install blower in reverse order when assembling back into furnace.

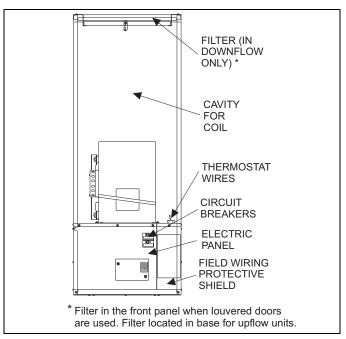


FIGURE 1: Component Locations

SECTION IV: FURNACE OPERATION

CIRCUIT BREAKERS

Your electric furnace is equipped with a unique safety feature - circuit breakers. These circuit breakers are located behind the door of the furnace, near the bottom of the furnace. See Figure 1. If a component should fail inside the furnace, the circuit breakers will prevent damage that can be caused by an electrical short. If the breakers ever trip, they can be reset by first turning off the power to the furnace at the home's circuit breaker panel. See Warning below. Then remove the furnace door and reset the circuit breaker in the furnace. Re-install the furnace door and turn the power back on at the home's breaker panel. If for some reason these circuit breakers should trip again, a service technician should be contacted as a problem exists inside the furnace. A list of authorized service centers is provided with every furnace and will assist you in obtaining service for your furnace.

AWARNING

You must first de-energize the furnace at the main household power supply and lock it.

LUBRICATION

The blower motor bearings are factory sealed. Additional lubrication is not required.

BLOWER ASSEMBLY

Every electric furnace comes equipped with a blower capable of operating a heat pump or air conditioner. With the addition of the proper heat pump, you can enjoy comfort and savings all year long. An air conditioner will also work with your furnace and will provide cool summer days, at a very low operating cost.

AIR FILTER

The filter supplied with the furnace is a throw-away type. Filters need to be cleaned frequently. Shake out all loose dirt, and use vacuum cleaner to clean additionally. This method of cleaning will prolong life of filters. DO change filters often since clean filters not only provide added comfort, better and cleaner environment, but increase the efficiency of the furnace as well.

FILTER LOCATION: The furnace's front panel must be removed to gain access to the filter of the downflow furnace. (See Figure 1.) However, the filter for the upflow furnace* is located behind the return air grill, adjacent to the furnace closet or any other location in the return air.

RETURN AIR

Return air must be provided back to the circulating blower in order to provide air distribution. DO NOT OBSTRUCT ANY RETURN AIR GRILLE. To do so will cause the furnace heating elements to cycle off and on repeatedly.

WHILE YOU'RE AWAY

The power supply to your furnace is equipped with either a fused or breaker type disconnect. In case of an overload, this will interrupt the operation of your furnace until it is reset or fuse replaced. For this reason it is never practical to assume that the furnace will operate unattended for long periods of time, especially if there is a possibility of damage to your property because of freezing. So, if you plan to be away, arrange for someone to check your home every day or so.

AT THE BEGINNING OF EACH HEATING SEASON

NOTICE

Be sure electrical supply to furnace is turned off at the household service box and furnace circuit breakers before cleaning.

- Replace filters as discussed previously. Clean dust and lint from in and around the furnace. Clean dust and lint from blower and blower compartment.
- 2. If furnace fails to operate properly:
 - Be sure electrical power is being supplied to furnace. Check main household power supply.
 - If, after following this procedure, the furnace still fails to operate, shut off furnace and contact your service technician.

YOUR AUTHORIZED SERVICE TECHNICIAN

Your furnace's best friend is your service technician. If the unit gives any indication of improper operation, call your authorized service technician. If the service technician is allowed to perform the normal routine care of your furnace, many times he can detect potential difficulties and make corrections before trouble develops. Preventive maintenance of this type will allow you to operate this unit with a minimum of concern and pay for itself in added years of comfort.

OPTIONAL AIR CONDITIONING ACCESSORIES

This furnace is equipped with a blower and control system to add-on air conditioning and heat pumps to specified sizes. Insulation and coil shelf kit (3500-8941 for downflow or 3500-8961/A for upflow) must be installed when adding on such remote air conditioning systems.

NOTICE

If the controls are located at the top of the unit, the furnace is an upflow furnace and the airflow is forced up through the furnace and into the airways.

AWARNING

Failure to install this insulation and coil shelf kit could result in damage to equipment and/or personal injury. Liability and warranty from the manufacturer could also be void.

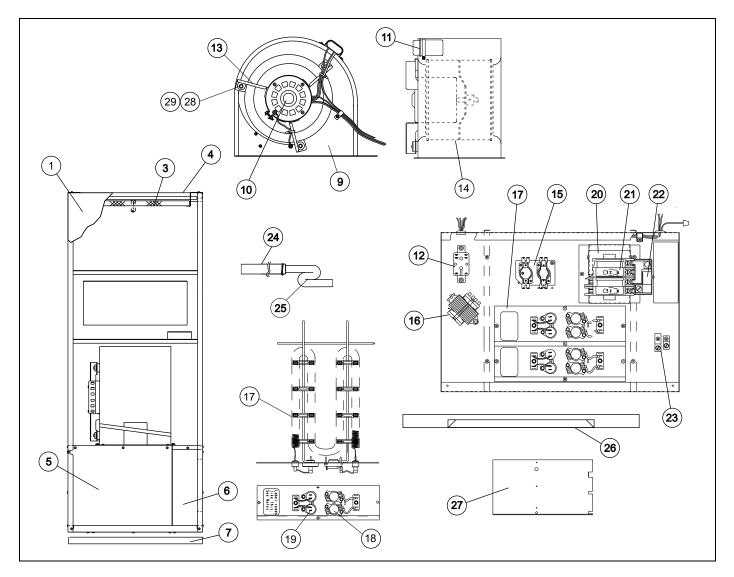
HIGH PERFORMANCE BLOWER ACCESSORY PACKAGE

All EB furnaces are equipped with a blower and control system to addon air conditioning and heat pumps to specified sizes. If the requirement is to achieve more air flow or cooling than specified, then the blower inside the furnace has to be replaced with an accessory blower package 3500-7901*. This accessory blower package would deliver air conditioning up to 5-tons, and heat pump up to 4-tons. Accessory package (3500-7901*) includes blower, insulation, coil shelf, trap, clamps, etc. Please refer to the installation instructions packed with the accessory package for more information.

ACAUTION

All areas around the line sets, drain hoses and other openings in the furnace should be sealed airtight. Use some moldable compound or caulking to seal the area. Failure to do so may result in loss of performance and premature compressor failure.

SECTION V: REPAIR PARTS LIST



| ITEM | DESCRIPTION | EB10D | EB12D | EB15D |
|----------|-------------------------------------------------|----------------------------------------|----------------------------------------|-------------------------------------------------------|
| 1 | Front Panel (Insulated) | 3501-9111 | 3501-9111 | 3501-9111 |
| ! | Filter (20 x 20 x 1) (Front Return Panel) | S1-1214-2521 | S1-1214-2521 | S1-1214-2521 |
| 2* (Opt) | Front Panel (Louvered, 4-Ton) (Insul) | 3501-9211 | 3501-9211 | 3501-9211 |
| 2 (Opt) | Front Panel (Front Return, 5-Ton) | 3500-1591 | 3500-1591 | 3500-1591 |
| 3 | Filter (16 x 20 x 1) | S1-1214-2511 | S1-1214-2511 | S1-1214-2511 |
| 4 | Support Angle (Door) | S1-3500-1861 | S1-3500-1861 | S1-3500-1861 |
| 5 | Cover, Electric Box | S1-3500-2351/A | S1-3500-2361/A | S1-3500-2361/A |
| 6 | Cover (Service Entrance) | S1-3500-1271 | S1-3500-1271 | S1-3500-1271 |
| 7 | Sub-base (Optional) | S1-3500-1071/B | S1-3500-1071/B | S1-3500-1071/B |
| , | Sub-base (M10) (Optional) | 3500-5221 | 3500-5221 | 3500-5221 |
| 8 | | | | |
| 9 | Blower Housing | S1-37323744001 | S1-37323744001 | S1-37323744001 |
| 10 | Blower Motor | S1-02427651000 | S1-02427651000 | S1-02427651000 |
| 11 | Capacitor (7.5MFD/370V) | S1-02420045700 | S1-02420045700 | S1-02420045700 |
| 12 | Relay, Fan | S1-3110-3301 | S1-3110-3301 | S1-3110-3301 |
| 13 | Motor Mount Assembly Kit (1PC) | S1-37319831002 | S1-37319831002 | S1-37319831002 |
| 14 | Blower Wheel | S1-02632627700 | S1-02632627700 | S1-02632627700 |
| 15 | Sequencer | S1-3110-3571 | S1-3110-3571 | S1-3115-3571 |
| 16 | Transformer (240/24V-40A) | S1-3300-3861 | S1-3300-3861 | S1-3300-3861 |
| 17 | Heater Element Assembly w/Limit and Jumper Wire | (9.6Kw) S1-02541236000 | (11.2Kw) S1-02541238000 | (4.8Kw) & (9.6Kw) S1-02541237000 S1-02541236000 |
| 18 | Limit Switch | S1-02541249000 (Open 200, Close 60) | S1-02541249000 (Open 200, Close 60) | S1-02541249000 (Open 200, Close 60) |
| 19 | Fusible Link | S1-02435663000 | S1-02435663000 | S1-02435663000 |
| 20 | Bracket (Circuit Breaker) | 3500-128 | 3500-128 | 3500-128 |
| 21 | Circuit Breaker (1 Req'd) | S1-3500-377P/A | | |
| 21 | Circuit Breaker (2 Req'd) | | S1-3500-377P/A | S1-3500-377P/A |
| 22 | Buss Bar (See Note 2) | S1-3500-378P | S1-3500-378P | S1-3500-378P |
| 23 | Ground Lug (Large) | 1216-231 | 1216-231 | 1216-231 |
| 25 | Ground Lug (Small) | | | S1-02521798000 |
| 24 | Drain Tube (See Note 1) | S1-02922184001 | S1-02922184001 | S1-02922184001 |
| 25 | Condensate Trap (See Note 1) | S1-3240-3051 | S1-3240-3051 | S1-3240-3051 |
| 26 | Coil Shelf (See Note 1) | 3500-174 | 3500-174 | 3500-174 |
| 27 | Coil Shelf Panel (See Note 1) | 3500-171 | 3500-171 | 3500-171 |
| 28 | Ferrule (3 Req'd) | S1-02320541000 | S1-02320541000 | S1-02320541000 |
| 29 | Grommet (3 Req'd) | S1-02814740000 | S1-02814740000 | S1-02814740000 |
| 30 | Fuse | S1-02532746026 | S1-02532746026 | S1-02532746026 |
| 31* | Wiring diagram | 570551 | 570539 | 570540 |

NOTE: *Not Shown

New replacement parts shown in **bold** face type at the first printing of parts list dated 4/10.

 $\label{thm:major-components} \mbox{ Major components and suggested stocking items are shown with shaded item number.}$

All parts with three digit suffix numbers are "Special Order" parts. These parts are subject to factory availability and require extra time for delivery.

[&]quot;<"Across from row indicates a change in that row.

⁻⁻⁻ Not applicable to specified model.

¹ Not Standard with furnace, contained in accessory kit no. 3500-8941/B.

² Standard on EB12*.

| Front Panel (Louvered, 4-Ton) (Insul) 3501-9211 3501-9211 3501-9211 3501-9211 3501-9211 3501-9211 3501-9211 3501-9211 3501-9211 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 | ITEM | DESCRIPTION | EB17D | EB20D | EB23D |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------|----------------|----------------|----------------|
| Filter (20 x 20 x 1) (Front Return Panel) S1-1214-2521 S1-1214-2521 S1-1214-2521 S1-1214-2521 S1-1214-2521 S1-1214-2521 Front Panel (Insulated) 3501-9111 3501-9111 3501-9111 3501-9111 3501-9111 S1-1214-2511 S1-1214-2 | 4 | Front Panel (Louvered, 4-Ton) (Insul) | 3501-9211 | 3501-9211 | 3501-9211 |
| Front Panel (Front Return 5-Ton) 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1791 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 3500-174 | ' | | S1-1214-2521 | S1-1214-2521 | S1-1214-2521 |
| Front Panel (Front Return 5-Ion) 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1591 3500-1071/B 31-3500-1071/B 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5521 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-522 | 2* (Ont) | Front Panel (Insulated) | 3501-9111 | 3501-9111 | 3501-9111 |
| Support Angle (Door) | 2 (Opt) | Front Panel (Front Return 5-Ton) | 3500-1591 | 3500-1591 | 3500-1591 |
| 5 Cover, Electric Box \$1.3500-2361/A \$1.3500-2361/A \$1.3500-2361/A \$1.3500-1271 \$1.3500-1271 \$1.3500-1271 \$1.3500-1271 \$1.3500-1271 \$1.3500-1271 \$1.3500-1271 \$1.3500-1271 \$1.3500-1071/B \$1.3500-1071/B <td< td=""><td>3</td><td>, ,</td><td>S1-1214-2511</td><td>S1-1214-2511</td><td>S1-1214-2511</td></td<> | 3 | , , | S1-1214-2511 | S1-1214-2511 | S1-1214-2511 |
| 6 Cover (Service Entrance) \$1-3500-1271 \$1-3500-1271 \$1-3500-1271 \$1-3500-1271 \$1-3500-1071/B \$1-3000-1071/B \$1-3000-1071/B <td>4</td> <td>Support Angle (Door)</td> <td>S1-3500-1861</td> <td>S1-3500-1861</td> <td>S1-3500-1861</td> | 4 | Support Angle (Door) | S1-3500-1861 | S1-3500-1861 | S1-3500-1861 |
| Sub-base (Optional) S1-3500-1071/B S1-3500-1071/B S1-3500-1071/B Sub-base (M10) (Optional) 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-377P/A 31-3500-377P/A 31-3240-3051 31-3240-3051 31-3240-3051 31-3240-3051 31-3 | 5 | | S1-3500-2361/A | S1-3500-2361/A | S1-3500-2361/A |
| V Sub-base (M10) (Optional) 3500-5221 3500-5221 3500-5221 8 8 9 Blower Housing \$1-37323744001 \$1-37323744001 \$1-37323744001 10 Blower Motor \$1-02427651000 \$1-02427651000 \$1-02427651000 11 Capacitor (7.5MFD/370V) \$1-02420045700 \$1-02420045700 \$1-02420045700 12 Relay, Fan \$1-3110-3301 \$1-3110-3301 \$1-3110-3301 13 Motor Mount Assembly Kit (1PC) \$1-37319831002 \$1-37319831002 \$1-37319831002 14 Blower Wheel \$1-02632627700 \$1-02632627700 \$1-02632627700 15 Sequencer \$1-3115-3571 \$1-3120A3571 \$1-3120A3571 16 Transformer (240/24V-40A) \$1-33300-3861 \$1-33300-3861 \$1-33300-3861 Wire \$1-02541249000 \$1-02541224000 \$1-02541224000 \$1-02541224000 17 Wire \$1-02541249000 (Open 200, Close 60) \$1-02541249000 (Open 200, Close 60) \$1-02541249000 (Open 200, Close 60) 20 Bracket (Circuit Breaker) \$3500-378 | 6 | | S1-3500-1271 | S1-3500-1271 | S1-3500-1271 |
| Sub-base (M10) (Optional) 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 3500-5221 | 7 | | S1-3500-1071/B | S1-3500-1071/B | S1-3500-1071/B |
| 9 Blower Housing | , | Sub-base (M10) (Optional) | 3500-5221 | 3500-5221 | 3500-5221 |
| 10 Blower Motor | 8 | | | | |
| 11 Capacitor (7.5MFD/370V) S1-02420045700 S1-0210000 S1-02100000 S1-02100000 S1-02100000 S1-021000000 S1-021000000 S1-0200000000000000000000000000000000000 | 9 | Blower Housing | S1-37323744001 | S1-37323744001 | S1-37323744001 |
| 12 Relay, Fan S1-3110-3301 S1-3208327700 S1-02632627700 S1-02632627700 S1-02632627700 S1-02632627700 S1-02632627700 S1-3120A3571 S1-3120A3571 S1-3120A3571 S1-3120A3571 S1-3120A3571 S1-3300-3861 S1-3200-3861 S1-02541240000 S1-02435663000 S1-024356363000 S1-024356363000 S1-024356363000 S1-024356363000 S | 10 | | S1-02427651000 | S1-02427651000 | S1-02427651000 |
| 13 Motor Mount Assembly Kit (1PC) S1-37319831002 S1-37319831002 S1-37319831002 S1-37319831002 S1-37319831002 S1-02632627700 S1-310203571 S1-310203571 S1-310203571 S1-310203571 S1-3300-3861 S1-3200-3861 S1-3200-3861 S1-02541240000 S1-02435663000 S1-02521798000 S1-0 | 11 | | S1-02420045700 | S1-02420045700 | S1-02420045700 |
| 14 Blower Wheel | 12 | | S1-3110-3301 | S1-3110-3301 | S1-3110-3301 |
| 15 Sequencer S1-3115-3571 S1-3120A3571 S1-3120A3571 S1-3120A3571 S1-3120A3571 S1-3120A3571 S1-3300-3861 S1-3200-3861 S1-3200-3861 S1-3200-3861 S1-3200-3861 S1-3200-3861 S1-02541249000 S1-02435663000 S1-025241249000 S1-025241249000 S1-025241249000 S1-0250-377P/A S1-3500-377P/A S1-3500-377P/A S1-3500-377P/A S1-3500-377P/A S1-3500-377P/A S1-3500-378P S1-02521798000 S1-025221798000 S1-025221798000 S1-025221798000 S | 13 | | S1-37319831002 | S1-37319831002 | S1-37319831002 |
| Transformer (240/24V-40A) S1-3300-3861 S1-32300-3861 S1-02541249000 S1-02435663000 S1-02500-377P/A S1-3500-377P/A S1-3500-377P/A S1-3500-377P/A S1-3500-378P S1-3500-3 | 14 | Blower Wheel | S1-02632627700 | S1-02632627700 | S1-02632627700 |
| Heater Element Assembly w/Limit and Jumper (5.6Kw) & (10.4Kw) 2 Ea. (9.6Kw) (10.4Kw) & (11.2Kw) S1-02541236000 S1-02541240000 S1-02541240000 S1-02541240000 S1-02541240000 S1-02541249000 S1-02541249000 S1-02541249000 S1-02541249000 S1-02541249000 S1-02541249000 S1-02541249000 S1-02541249000 Open 200, Close 60) 200, Close 6 | 15 | Sequencer | S1-3115-3571 | S1-3120A3571 | S1-3120A3571 |
| 17 Wire | 16 | · ' | | | |
| S1-02541240000 S1-02541249000 (Open 200, Close 60) S1-02541249000 (Open 200, Close 60) 200, Close 60 | | | , , , , , , | , , | |
| 18 Limit Switch \$1-02541249000 (Open 200, Close 60) \$1-02541249000 (Open 200, Close 60) \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-02435663000 \$1-024000-7777 \$1-3500-3777/A \$1-3500-3777/A \$1-3500-3777/A \$1-3500-3777/A \$1-3500-3778/P \$1-3500-3778/P \$1-3500-3778/P \$1-3500-378/P \$1-3500-378/P \$1-3500-378/P \$1-3500-378/P \$1-3500-378/P \$1-02521798000 \$1-02521798000 \$1-02521798000 \$1-02521798000 \$1-02521798000 \$1-02521798000 \$1-02521798000 \$1-02521798000 \$1-02922184001 \$1-02922184001 \$1-02922184001 \$1-02922184001 \$1-02922184001 \$1-02922184001 \$1-02922184001 \$1-02922184001 \$1-02922184001 \$1-02922184001 </td <td>17</td> <td>Wire</td> <td></td> <td>S1-02541236000</td> <td></td> | 17 | Wire | | S1-02541236000 | |
| 18 200, Close 60) 200, Close 60) 200, Close 60) 19 Fusible Link \$1-02435663000 \$1-02435663000 \$1-02435663000 20 Bracket (Circuit Breaker) \$3500-128 \$3500-128 \$3500-128 21 Circuit Breaker (2 Req'd) (See Note 2) \$1-3500-377P/A \$1-3500-377P/A \$1-3500-377P/A 22 Buss Bar \$1-3500-378P \$1-3500-378P \$1-3500-378P 23 Ground Lug (Large) \$1216-231 \$1216-231 \$1216-231 24 Drain Tube (See Note 1) \$1-02521798000 \$1-02521798000 \$1-02521798000 24 Drain Tube (See Note 1) \$1-02922184001 \$1-02922184001 \$1-02922184001 25 Condensate Trap (See Note 1) \$1-3240-3051 \$1-3240-3051 \$1-3240-3051 26 Coil Shelf (See Note 1) \$3500-174 \$3500-174 \$3500-174 27 Coil Shelf Panel (See Note 1) \$1-02320541000 \$1-02320541000 \$1-02320541000 29 Grommet (3 Req'd) \$1-02814740000 \$1-02532746026 </td <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | |
| 19 Fusible Link \$1-02435663000 \$1-02435663000 \$1-02435663000 20 Bracket (Circuit Breaker) \$3500-128 \$3500-128 \$3500-128 21 Circuit Breaker (2 Req'd) (See Note 2) \$1-3500-377P/A \$1-3500-377P/A \$1-3500-377P/A 22 Buss Bar \$1-3500-378P \$1-3500-378P \$1-3500-378P 23 Ground Lug (Large) \$1216-231 \$1216-231 \$1216-231 24 Drain Tube (See Note 1) \$1-02521798000 \$1-02521798000 \$1-02521798000 24 Drain Tube (See Note 1) \$1-02922184001 \$1-02922184001 \$1-02922184001 25 Condensate Trap (See Note 1) \$1-3240-3051 \$1-3240-3051 \$1-3240-3051 26 Coil Shelf (See Note 1) \$3500-174 \$3500-174 \$3500-174 27 Coil Shelf Panel (See Note 1) \$1-02320541000 \$1-02320541000 \$1-02320541000 29 Grommet (3 Req'd) \$1-02814740000 \$1-02814740000 \$1-02532746026 \$1-02532746026 \$1-02532746026 | 18 | Limit Switch | ` ' | | ` ' |
| 20 Bracket (Circuit Breaker) 3500-128 3500-128 3500-128 21 Circuit Breaker (2 Req'd) (See Note 2) S1-3500-377P/A S1-3500-377P/A S1-3500-377P/A 22 Buss Bar S1-3500-378P S1-3500-378P S1-3500-378P 23 Ground Lug (Large) 1216-231 1216-231 1216-231 24 Drain Tube (See Note 1) S1-02521798000 S1-02521798000 S1-02521798000 25 Condensate Trap (See Note 1) S1-3240-3051 S1-3240-3051 S1-3240-3051 26 Coil Shelf (See Note 1) 3500-174 3500-174 3500-174 27 Coil Shelf Panel (See Note 1) 3500-171 3500-171 3500-171 28 Ferrule (3 Req'd) S1-02320541000 S1-02320541000 S1-02320541000 29 Grommet (3 Req'd) S1-02814740000 S1-02532746026 S1-02532746026 | 10 | Fucible Link | | | |
| 21 Circuit Breaker (2 Req'd) (See Note 2) S1-3500-377P/A S1-3500-377P/A S1-3500-377P/A 22 Buss Bar S1-3500-378P S1-3500-378P S1-3500-378P 23 Ground Lug (Large) 1216-231 1216-231 1216-231 24 Drain Tube (See Note 1) S1-02521798000 S1-02521798000 S1-02521798000 25 Condensate Trap (See Note 1) S1-3240-3051 S1-3240-3051 S1-3240-3051 26 Coil Shelf (See Note 1) 3500-174 3500-174 3500-174 27 Coil Shelf Panel (See Note 1) 3500-171 3500-171 3500-171 28 Ferrule (3 Req'd) S1-02320541000 S1-02320541000 S1-02320541000 S1-02320541000 29 Grommet (3 Req'd) S1-02814740000 S1-02532746026 S1-02532746026 S1-02532746026 | | | | | |
| 22 Buss Bar S1-3500-378P S1-3500-378P S1-3500-378P 23 Ground Lug (Large) 1216-231 1216-231 1216-231 24 Drain Tube (See Note 1) S1-02521798000 S1-02521798000 S1-02521798000 25 Condensate Trap (See Note 1) S1-3240-3051 S1-3240-3051 S1-3240-3051 26 Coil Shelf (See Note 1) 3500-174 3500-174 3500-174 27 Coil Shelf Panel (See Note 1) 3500-171 3500-171 3500-171 28 Ferrule (3 Req'd) S1-02320541000 S1-02320541000 S1-02320541000 29 Grommet (3 Req'd) S1-02814740000 S1-02814740000 S1-02532746026 30 Fuse S1-02532746026 S1-02532746026 S1-02532746026 | _ | | | | |
| 23 Ground Lug (Large) 1216-231 1216-231 1216-231 24 Drain Tube (See Note 1) S1-02521798000 S1-02521798000 25 Condensate Trap (See Note 1) S1-02922184001 S1-02922184001 26 Coil Shelf (See Note 1) 3500-174 3500-174 27 Coil Shelf Panel (See Note 1) 3500-171 3500-171 28 Ferrule (3 Req'd) S1-02320541000 S1-02320541000 S1-02320541000 29 Grommet (3 Req'd) S1-02814740000 S1-02814740000 S1-02532746026 30 Fuse S1-02532746026 S1-02532746026 S1-02532746026 | | 1 ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' | | | |
| 23 Ground Lug (Small) S1-02521798000 S1-02521798000 S1-02521798000 24 Drain Tube (See Note 1) S1-02922184001 S1-02922184001 S1-02922184001 25 Condensate Trap (See Note 1) S1-3240-3051 S1-3240-3051 S1-3240-3051 26 Coil Shelf (See Note 1) 3500-174 3500-174 3500-174 27 Coil Shelf Panel (See Note 1) 3500-171 3500-171 3500-171 28 Ferrule (3 Req'd) S1-02320541000 S1-02320541000 S1-02320541000 29 Grommet (3 Req'd) S1-02814740000 S1-02814740000 S1-02814740000 30 Fuse S1-02532746026 S1-02532746026 S1-02532746026 | | | | | |
| 24 Drain Tube (See Note 1) \$1-02922184001 \$1-02922184001 \$1-02922184001 25 Condensate Trap (See Note 1) \$1-3240-3051 \$1-3240-3051 \$1-3240-3051 26 Coil Shelf (See Note 1) \$3500-174 \$3500-174 \$3500-174 27 Coil Shelf Panel (See Note 1) \$3500-171 \$3500-171 \$3500-171 28 Ferrule (3 Req'd) \$1-02320541000 \$1-02320541000 \$1-02320541000 29 Grommet (3 Req'd) \$1-02814740000 \$1-02814740000 \$1-02814740000 30 Fuse \$1-02532746026 \$1-02532746026 \$1-02532746026 | 23 | | | | |
| 25 Condensate Trap (See Note 1) S1-3240-3051 S1-3240-3051 S1-3240-3051 26 Coil Shelf (See Note 1) 3500-174 3500-174 3500-174 27 Coil Shelf Panel (See Note 1) 3500-171 3500-171 3500-171 28 Ferrule (3 Req'd) S1-02320541000 S1-02320541000 S1-02320541000 29 Grommet (3 Req'd) S1-02814740000 S1-02814740000 S1-02814740000 30 Fuse S1-02532746026 S1-02532746026 S1-02532746026 | 24 | | | | |
| 26 Coil Shelf (See Note 1) 3500-174 3500-174 3500-174 27 Coil Shelf Panel (See Note 1) 3500-171 3500-171 3500-171 28 Ferrule (3 Req'd) S1-02320541000 S1-02320541000 S1-02320541000 29 Grommet (3 Req'd) S1-02814740000 S1-02814740000 S1-02814740000 30 Fuse S1-02532746026 S1-02532746026 S1-02532746026 | | , | | | |
| 27 Coil Shelf Panel (See Note 1) 3500-171 3500-171 3500-171 28 Ferrule (3 Req'd) S1-02320541000 S1-02320541000 S1-02320541000 29 Grommet (3 Req'd) S1-02814740000 S1-02814740000 S1-02814740000 30 Fuse S1-02532746026 S1-02532746026 S1-02532746026 | _ | . , | | | |
| 28 Ferrule (3 Req'd) \$1-02320541000 \$1-02320541000 \$1-02320541000 29 Grommet (3 Req'd) \$1-02814740000 \$1-02814740000 \$1-02814740000 30 Fuse \$1-02532746026 \$1-02532746026 \$1-02532746026 | _ | (====, | | | |
| 29 Grommet (3 Req'd) \$1-02814740000 \$1-02814740000 \$1-02814740000 30 Fuse \$1-02532746026 \$1-02532746026 \$1-02532746026 | | (000110101) | | | |
| 30 Fuse S1-02532746026 S1-02532746026 S1-02532746026 | _ | | | | |
| | _ | ` ' ' | | | |
| | 31* | Wiring diagram | 570571 | 570572 | 570573 |

NOTE: *Not Shown

New replacement parts shown in \boldsymbol{bold} face type at the first printing of parts list dated 4/10.

Major components and suggested stocking items are shown with shaded item number.

All parts with three digit suffix numbers are "Special Order" parts. These parts are subject to factory availability and require extra time for delivery.

<

[&]quot;<"Across from row indicates a change in that row.

⁻⁻⁻ Not applicable to specified model.

¹ Not Standard with furnace, contained in accessory kit no. 3500-8941/B

Limited Warranty

Manufactured Housing Furnaces

WARRANTY TERMS: Johnson Controls Unitary Products (hereinafter "Company") warrants this product to be free from defects in factory workmanship and material under normal use and service and will, at its option, repair or replace any parts, without charge, subject to the exclusions below, that prove to have such defects according to the terms outlined in this warranty. Company reserves the right, at its sole discretion, to provide a replacement unit in the place of repair parts, in which case the warranty period for the replacement unit is limited to the remainder of the original warranty period. Alternatively, Company may, at its option, extend a replacement allowance to be applied toward the purchase of a new unit marketed by Company. The exact amount of the allowance will be determined at the discretion of Company, based upon current market conditions, but in no case shall this allowance exceed thirty (30) percent of the original consumer purchase price of the unit excluding such items as ductwork, wiring, piping, and installation costs. The warranty period for repair or replacement parts or unit provided hereunder shall not extend beyond the warranty period berein.

This warranty covers only the equipment described by the Product Model Number and Unit Serial Number on the equipment or listed on the Warranty Registration Card, and applies only to products installed in the United States, Canada, or Puerto Rico. Tampering, altering, defacing, or removing the product serial number will serve to void this warranty. This warranty extends only to the original consumer purchaser and is nontransferable. For this warranty to apply, the product must be installed according to Company recommendations and specifications, and in accordance with all local, state, and national codes; and the product or residence must not be removed from its place of original installation. This warranty does not apply to any unit sold over the Internet, by telephone or other electronic means also installs the unit. In the absence of a recorded Warranty Registration Card, the warranty period will begin upon product shipment from Company. If you are unaware of the date the warranty became effective, contact Company at (877) 874-7378 or visit www.upgproductregistration.com.

ADDITIONAL CONDITIONS FOR HEAT EXCHANGER WARRANTY: This warranty shall cover the heat exchanger (primary and/or secondary, if applicable) only if:

- 1. The product has not been operated with an input rate in excess of the rating plate attached to the product.
- 2. The product has not been allowed to operate without the use of the proper automatic limit control on the maximum warm air temperature and/or without adequate circulation.
- 3. The product is installed so that the combustion air is not contaminated by compounds of chlorine, fluorine, or other damaging chemicals (or vapors).
- 4. The product is installed such that the heat exchangers are not exposed to return air temperatures below stated ratings.

FOR PRODUCT REGISTRATION: For your benefit and protection, register your product with Company promptly after installation. This will initiate the warranty period and allow us to contact you, should it become necessary. You can register your product online at www.upgproductregistration.com or by returning the Warranty Registration Card on the back page of this packet.

| Product Model Number: | Installation Date: | |
|-----------------------|--------------------|--|
| | | |
| Unit Serial Number: | Installing Dealer: | |

FOR WARRANTY SERVICE OR REPAIR: Consult the Authorized Service Center List packed with the unit installed in the manufactured home or contact your installing or servicing dealer. The Authorized Service Center List is also available online at http://www.stylecrestinc.com/manufactured-housing-products/hvac-service-documents/

Or, look in the Yellow Pages of the telephone book under Mobile Homes or Manufactured Housing Repair and Service for the name and telephone number of the nearest authorized manufactured housing service center. If local authorized service cannot be obtained, or you are unable to contact your installing dealer, contact the authorized distributor in your area. If you are unable to contact an authorized servicer, please contact StyleCrest Inc., at 1-800-231-4822. If there is no distributor in your area, and you cannot obtain proper service under the terms of the warranty, please write: Johnson Controls Unitary Products, Consumer Relations, 5005 York Drive, Norman, OK 73069.

WARRANTY PERIOD: The warranty period in years, depending on the part, is as shown in the chart below.

| Furnace Model | Parts Coverage | Labor and Trip Coverage* |
|---------------|----------------|--------------------------|
| EB | 2 years | 1 year |

NOTES:

The warranty period will begin on the purchase date of the residence when the product is installed as original equipment, or the installation date when installed in a residence previously purchased by the consumer.

MAINTENANCE: Company strongly recommends regular periodic preventive maintenance on this equipment. The person most familiar with the equipment in your HVAC system is a Participating Dealer. The Participating Dealer can ensure that your maintenance program meets the "Company Warranty" conditions, maximize the equipment efficiency, and service your unit within the mandated guidelines with regard to unlawful discharge of refrigerants into the atmosphere.

^{*}The warranty period for any replacement part provided here under shall not extend beyond the warranty period stated above.

EXCLUSIONS: This warranty does not cover any:

- 1. Shipping, labor, or material charges or damages resulting from transportation, installation, or servicing.
- 2. Damage or repairs required as a consequence of mishandling, faulty installation, misapplication, abuse, improper servicing, unauthorized alteration, or improper operation.
- 3. Damages or failure to start resulting from improper voltage conditions, blown fuses, open circuit breakers, or other inadequacy or interruption of electrical service or fuel supply.
- 4. Fuses, either internal or external to the product.
- 5. Labor or other costs incurred for diagnosing, repairing, removing, installing, shipping, servicing, or handling of either defective parts or replacement parts.
- 6. Products removed from their original location for reinstallation purposes.
- 7. Damages resulting from accident, abuse, fire, flood, alteration, or acts of God.
- 8. Damages resulting from use of the product in a corrosive atmosphere.
- 9. Normal maintenance, or damages resulting from failure to perform normal maintenance, as outlined in the installation and servicing instructions or owner's manual.
- 10. Cleaning or replacement of filters, nozzles, or orifices.
- 11. Damages resulting from operation with inadequate supply of air or water; Damages resulting from failure to properly and regularly clean air and/or water side of condenser and evaporator.
- 12. Damages resulting from: (I) freezing of condenser water or condensate; (II) inadequate or interrupted water supply; (III) use of corrosive water; (IV) fouling or restriction of the water circuit by foreign material or like causes.
- 13. Damages caused by improper parts, components or accessories not suitable for use in or with the unit. For a list of parts that are known to be compatible please reference the equipment renewal parts list, contact a Participating Dealer for assistance, or call 1-877-874-7378.
- 14. Electricity or fuel costs, or increases in fuel or electric costs, for any reason including additional or unusual use of supplemental electric heat.

This warranty is in lieu of all other express warranties. All implied warranties, including the implied warranty of merchantability and fitness for a particular purpose are limited in duration to the actual warranty period applicable to the part. Some states do not allow the disclaimer of implied warranties, so the above disclaimer may not apply to you. In addition, some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. In no event, whether as a result of breach of warranty or contract, tort (including negligence), strict liability, or otherwise, shall Company be liable for special, incidental, or consequential damages or expenses, including but not limited to loss of use of the equipment or associated equipment, lost revenues or profits, cost of substitute equipment, or cost of fuel or electricity.

The above limitations shall inure to the benefit of Company's suppliers and subcontractors. The above limitation on consequential damages shall not apply to injuries to persons in the case of consumer goods. Company does not assume, or authorize any other person to assume for Company, any other liability for the sale of this product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

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