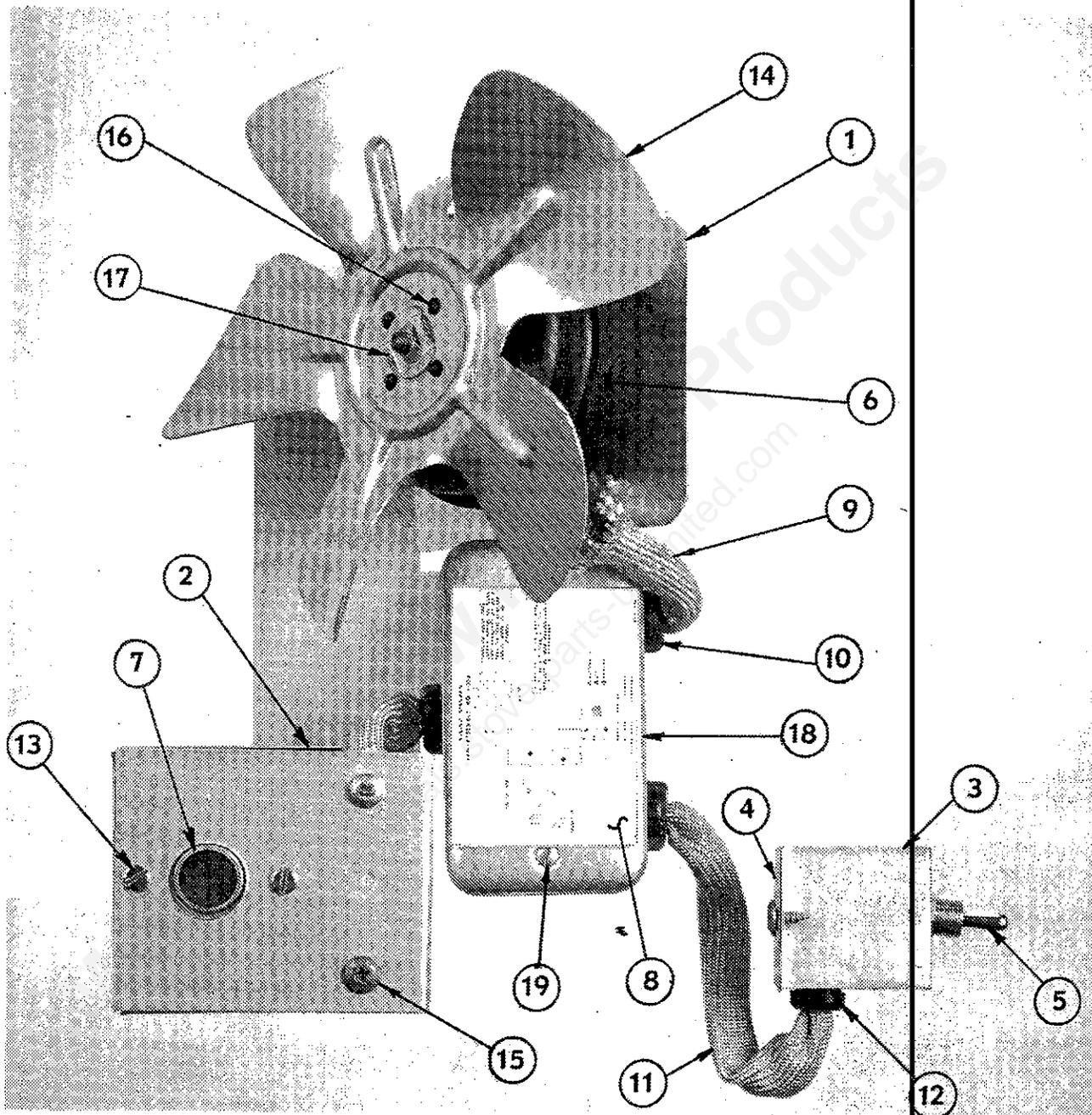


Lawson
Forced Air Fan Model No. F-30A
INSTRUCTIONS FOR INSTALLATION AND OPERATION WITH
PARTS LIST



*IF THE CABINET IS TO BE REMOVED FOR SERVICING OF THE UNITS,
ALWAYS TURN THE 115 V POWER OFF AT THE FUSE BOX.*

DO NOT OIL THE FAN BEARINGS
THE MOTOR IS PROVIDED WITH A PERMANENT LUBRICANT.

UNITED STATES STOVE COMPANY

SOUTH PITTSBURG, TENNESSEE 37380

85044 10/76

INSTALLATION INSTRUCTIONS

I. TO INSTALL FAN HOUSING TO HEATER BACK

1. If the cabinet is already in place, remove it now.
2. To remove cabinet, lift cabinet up and forward to disengage flange on heater back. Remove access door from cabinet.
3. Remove the slug in knockout on the cabinet right side (Fig. 2).
4. Attach fan assembly to heater back, by aligning two holes in fan housing to two holes in heater back, secure with two sheet metal screws (A), Fig. 2.



FIG. 1

II. TO INSTALL FAN BLADE

1. Mount rubber washer to motor shaft, fitting the four tabs on the motor shaft into holes in washer, (Fig. 1).
2. Mount blade on motor shaft with raised portion of hub outward (Fig. 1).
3. Center the four holes in fan blade over tabs on motor shaft to prevent fan blade from sliding.
4. Secure fan blade to shaft with speed nut.

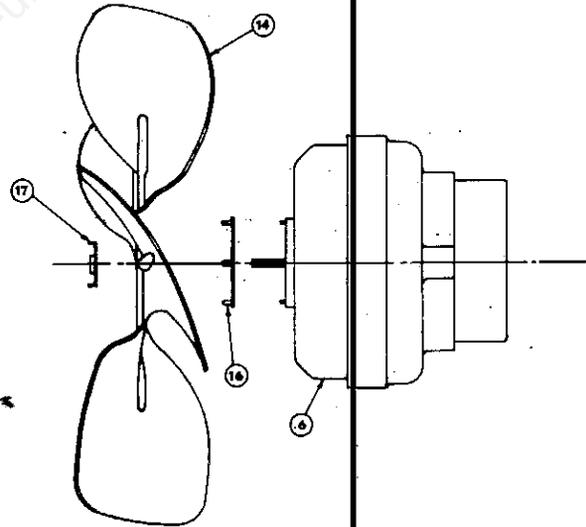


FIG. 2

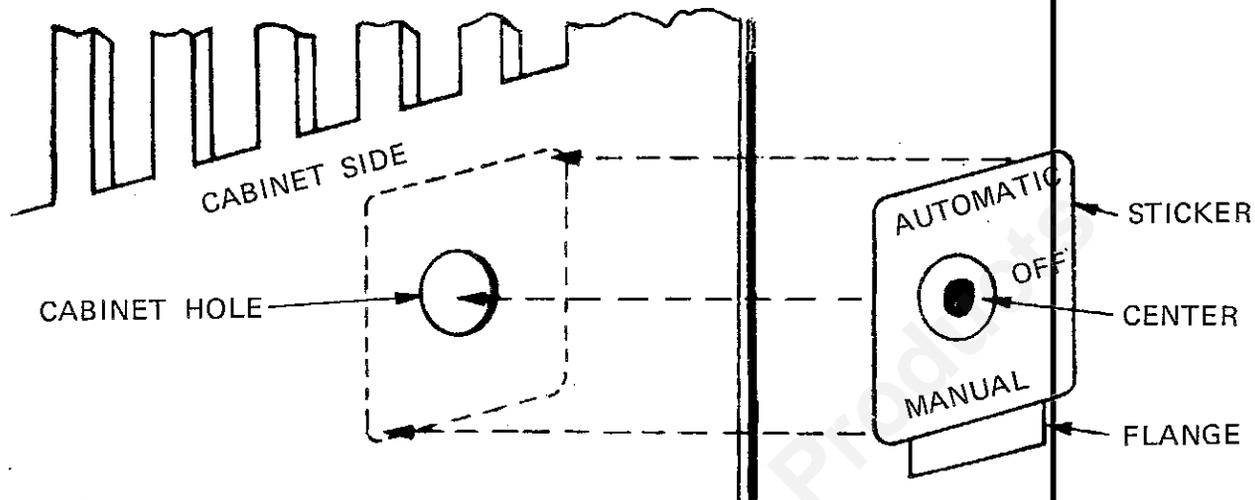
III. INSTALLATION AND OPERATION OF POWER SUPPLY

110 VOLTS – 60 HERTZ AC – LESS THAN 10 AMPERES

CAUTION: DO NOT ENERGIZE 110V A.C. POWER CIRCUIT UNTIL INSTALLATION IS COMPLETED AND CABINET IS REPLACED.

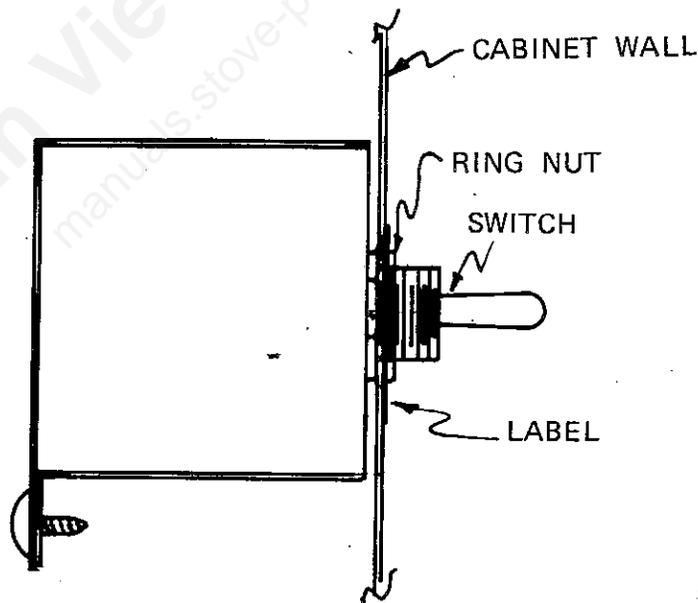
1. Connect a 110V A.C. power supply to the two wires from the fan assembly as shown in the wiring diagram. Make this connection inside junction box with the two plastic wire nuts found in the parts bag.
2. Install junction box cover (18) to junction box and secure with two screws.
3. Replace cabinet by lowering it over the metal tabs on heater back. The flanges on cabinet side should slide behind the metal tabs on heater back. The cabinet top flange should fit behind the top of the heater back.

NOTE: The unit must be electrically grounded in accordance with the National Electrical Code. ANSI C1-1975.



IV. APPLYING THE STICKER

1. Sticker will be found in parts bag.
2. Remove center of sticker, grasp flange and peel off back.
3. Place sticker on cabinet side by aligning sticker hole to cabinet knockout hole. Press down sticker to adhere.



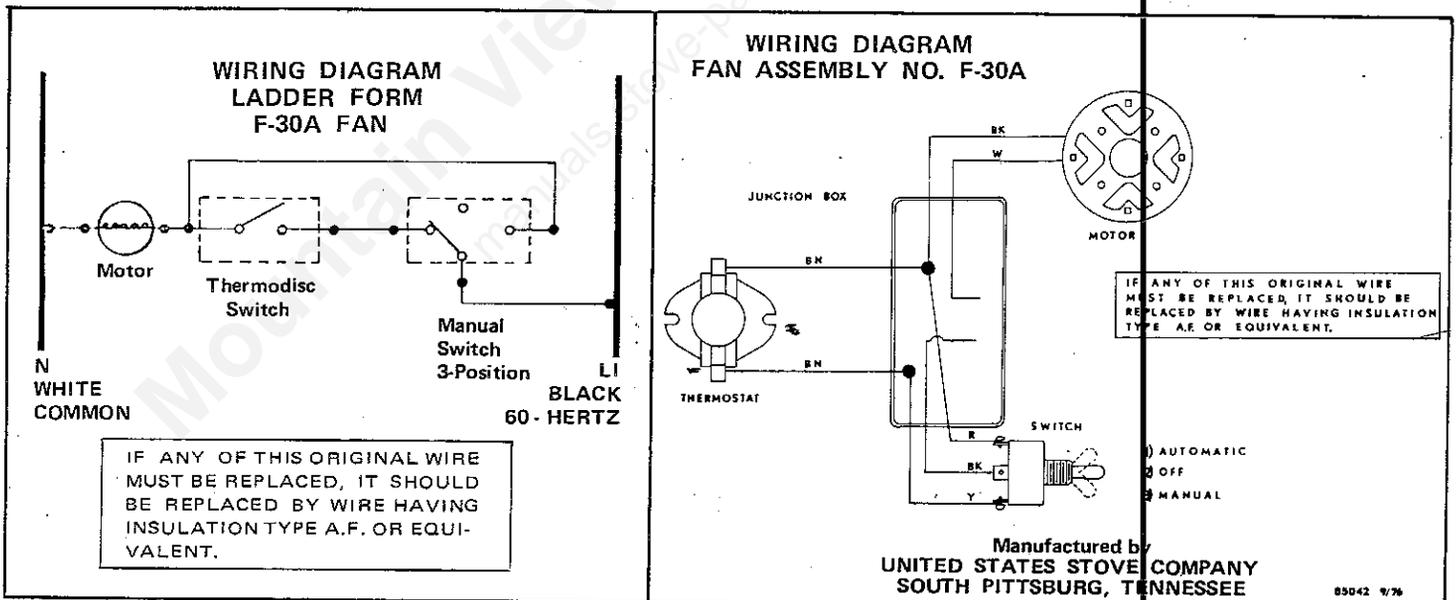
V. INSTALLING SWITCH

1. Place switch in hole in cabinet side from inside heater, and secure with hex ring nut found in parts bag, by holding box in vertical position as shown, and tighten nut.

REPAIR PARTS LIST

| KEY | PART NO. | DESCRIPTION |
|-----|----------|--|
| 1 | 67407 | Fan Mounting Brkt. Assy. |
| 2 | 21459 | Thermodisc Cover |
| 3 | 21460 | Switch Box Housing |
| 4 | 21461 | Switch Box Cover |
| 5 | 80045 | Toggle Switch |
| 6 | 80039 | Motor |
| 7 | 80046 | Thermodisc |
| 8 | 85042 | Label (Wiring Diagram) |
| 9 | 80048 | Fiberglass Sleeve (2 Req.) |
| 10 | 83814 | Strain Relief (4 Req.) |
| 11 | 80081 | Fiberglass Sleeve |
| 12 | 83826 | Strain Relief |
| 13 | 83033 | Machine Screws No. 8 - 32x1/2 (2 Req.) |
| 14 | 89032 | Fan Blade |
| 15 | 83017 | Sheet Metal Screws No. 10 x 3/8 (5 Req.) |
| 16 | 83050 | Rubber Washer |
| 17 | 83049 | Ring Nut |
| 18 | 80040 | Junction Box Cover |
| 19 | 83019 | Machine Screws No. 6 - 32x3/8 (2 Req.) |
| * | 83029 | Machine Screws No. 8 - 32x3/8 (3 Req.) |
| * | 83060 | Lockwashers No. 8 |
| * | 83804 | Adapters (3 Req.) |
| * | 80077 | Wire, Black |
| * | 80078 | Wire, Red |
| * | 80079 | Wire, Yellow |
| * | 80080 | Wire, Brown |
| * | 83006 | Wire Nuts No. 73B (4 Req.) |
| * | 83064 | Nuts No. 8 - 32 Hex. (2 Req.) |

* Not Illustrated



FAN SWITCH OPERATION

The toggle switch has three positions. (See Wiring Diagram).

- Position 1 – (Up) The fan will be operated by the thermostat.
- Position 2 – (Center) The fan is off.
- Position 3 – (Down) The fan will operate continuously and is independent of the thermostat. When the fan is in this position, it will offer circulating air in warm weather.