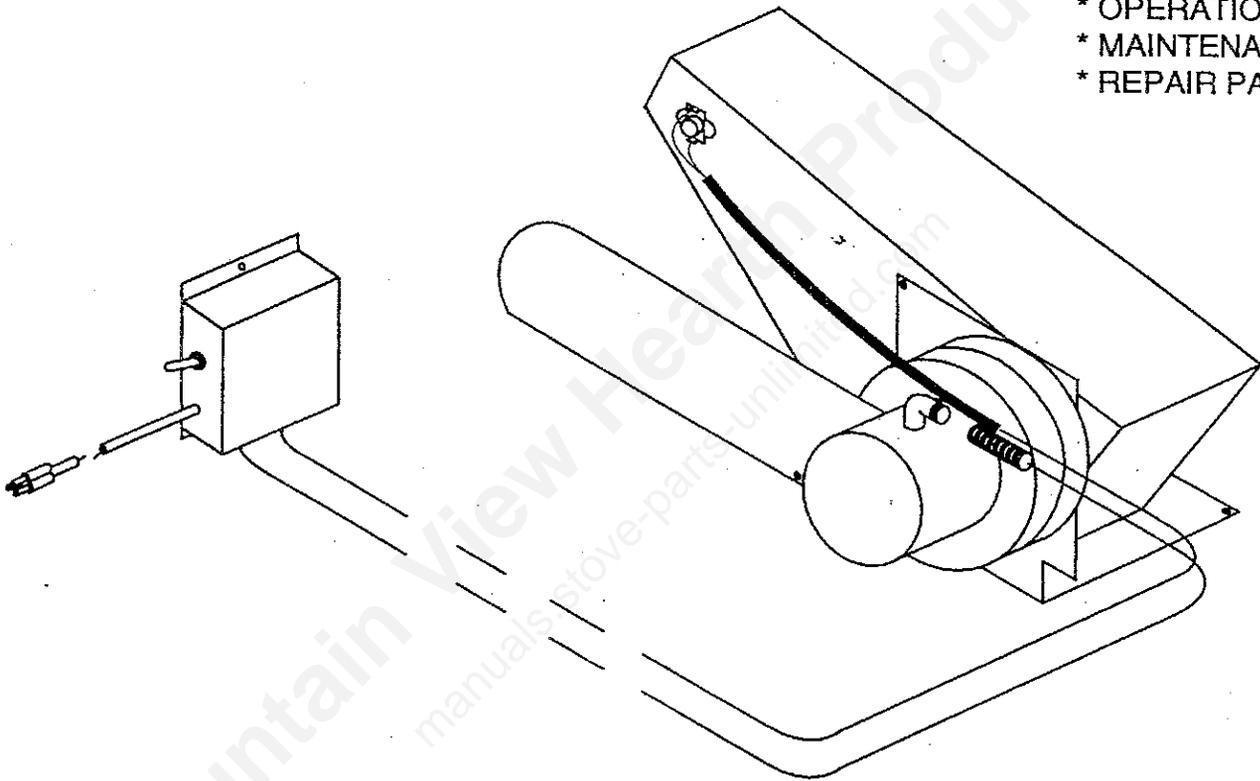


# BLOWER KIT FOR R9350 / R9370 VENTED GAS HEATER MODEL F93C

- \* INSTALLATION
- \* OPERATION
- \* MAINTENANCE
- \* REPAIR PARTS



**CAUTION:**  
READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING THE INSTALLATION

SAVE THIS MANUAL FOR FUTURE REFERENCE.



**UNITED STATES STOVE COMPANY**

227 Industrial Park Rd., P.O.Box 151  
South Pittsburg, TN 37380  
(423) 837-2100

FORM 85001C  
6/96

# INTRODUCTION

Your Blower Kit is shipped in two parts: (1) The Main Blower Assembly, and (2) The Blower Chute. To attach the blower chute to the blower assembly, simply slide the blower chute over the blower opening and secure the blower chute with the sheet metal screw provided in the parts bag. (See Figure 1 Below)

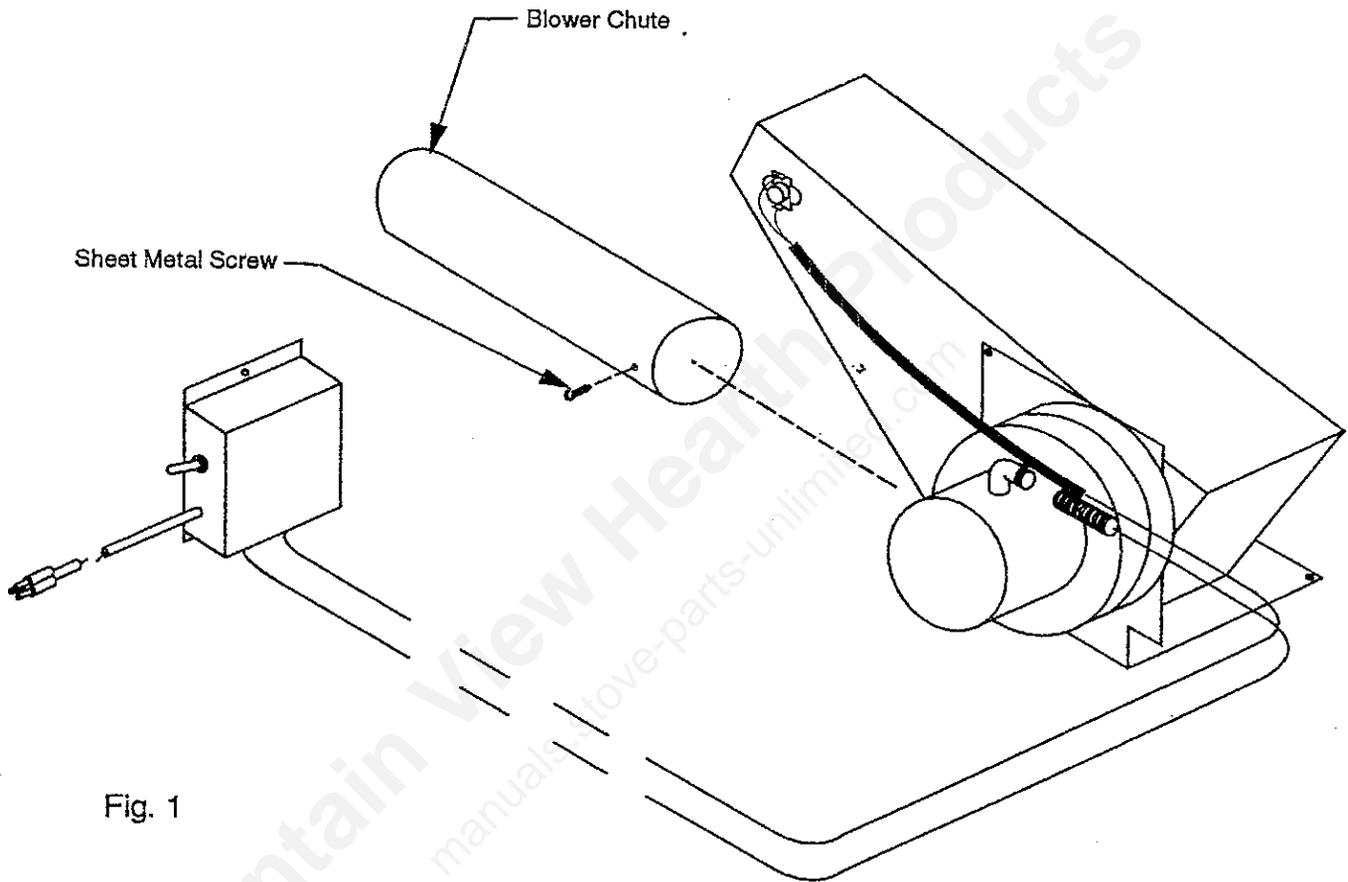


Fig. 1

# FUNCTION

Your F-93C optional blower is designed to enhance the convection characteristics of your Cavalier Radiant Gas Heater. It "pulls" heated air from the heat exchanger and expels it at the base. This air, being warmer than the air at floor level, rises into the room and creates a circulation pattern. This pattern sets up a natural flow of air which is drawn back to the top of the heater, "cooling" in the process and "falling" toward the floor. The blower then pulls it back in around the heated interior of the heater completing a natural cycle.

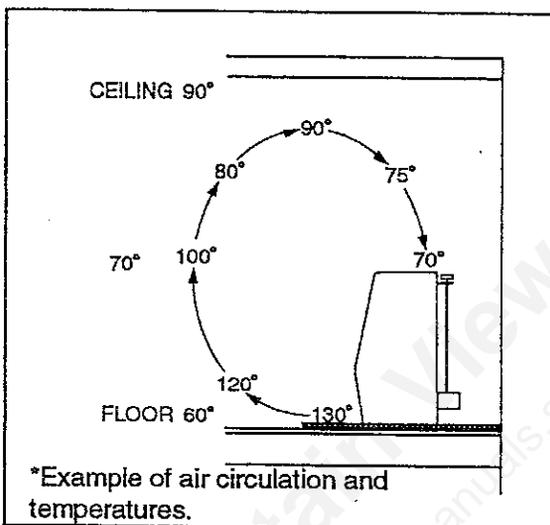
You may feel "cool" air being blown out at the base, but what you actually feel is colder floor level air being pushed ahead of the warmer air. In a normal room, particularly in the winter months, temperatures are frequently 30 degrees cooler at floor level than at the ceiling. Your F-93C will help to even out these differences and make several rooms more comfortable.

# INSTALLATION

1. Attach blower housing to the base pan of the heater. Align housing with holes in base pan and attach with 2 sheet metal screws provided.
2. Align top duct with holes in blower housing and attach with 2 sheet metal screws. See Fig. 2.
3. Attach the control box to the left side of the heater as shown, using 2 sheet metal screws.  
NOTE: Make certain control box conduit is routed behind vent safety switch wiring.

# OPERATION

1. Plug the power supply cord into a 120 volt A.C. outlet.
2. Light the heater.
3. Turn the switch on the blower control box to either on position. In the ON/MANUAL position, the blower will run until you turn it off. In the ON/AUTOMATIC position, the blower will turn on when the heater reaches operating temperature and will turn off when the heater has cooled.



	<b>UNITED STATES STOVE COMPANY</b>
227 Industrial Park Rd. P.O.Box 151 South Pittsburg, TN 37380	
<b>BLOWER ASSEMBLY F93C</b>	
<b>OILING INSTRUCTIONS</b>	
Use only <b>20 NON-DETERGENT OIL</b> , one drop of oil in each tube, every 6 months.	

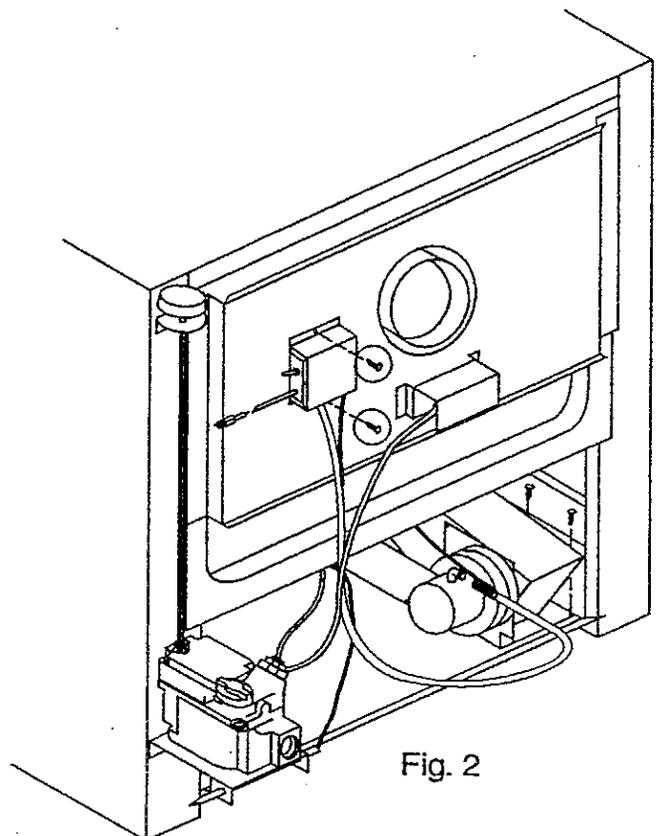


Fig. 2

# REPAIR PARTS

## MODEL F93C

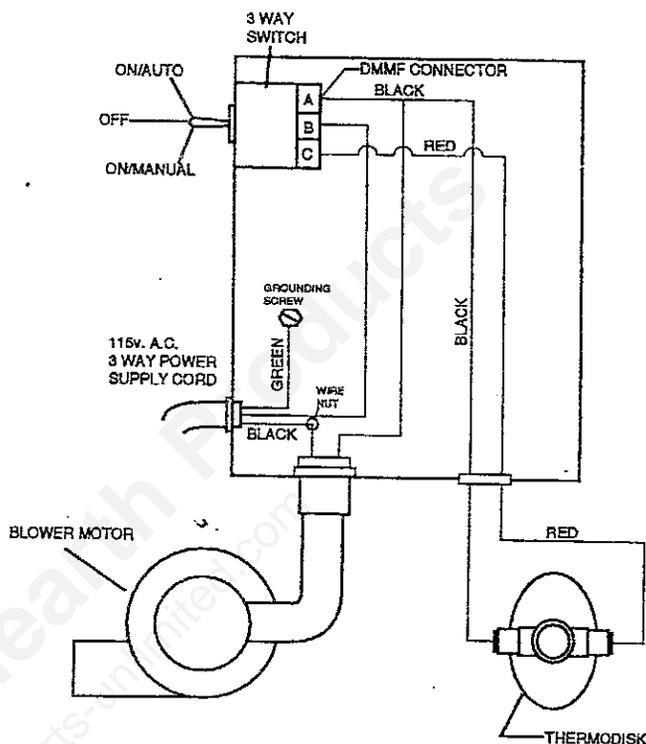
When ordering repair parts always give the following:

1. The heater model number
2. The blower model number: F93C
3. The part number
4. The part description

KEY	PART #	DESCRIPTION
1	21807	Conduit (23")
2	80114	Blower
3	83245	Sheet Metal Screw (5 Req'd)
4	83172	Sheet Metal Screw (4 Req'd)
5	80314	F-120 Limit Switch
6	80374	Thermodisk Switch Lead
7	22833	Power Supply Cord
8	80109	Strain Relief Bushing
9	89390A	Rubber Grommet
10	80004	3-Way Toggle Switch
11	80086	3/8 Romax Cable Connector
12	83801	Anti- Short Bushing
13	24238	Blower Control Box
14	23667	Blower Chute
15	68346	Top Duct Assembly
16	68689	Blower Mounting Plate Assy.
*	83220	Ground Screw
17	83244	Keyp Nut (2)
18	83343	Sheet Metal Screw
*	80123	Wire Tie (3)
*	83221	Lock Washer
*	80006	Wire Nut
*	80083	.25 Spade Female
*	80391	DMMF Connector

\* Not Shown

## WIRING DIAGRAM



IF ANY OF THIS ORIGINAL WIRING MUST BE REPLACED, IT SHOULD BE REPLACED BY WIRING HAVING EQUIVALENT INSULATION AND TEMPERATURE RATING (105\* C)

