

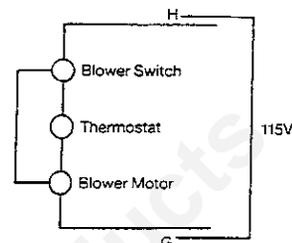
INSTRUCTIONS for INSTALLING, OPERATING and SERVICING

Warm Morning

S-86 Blower Unit for Model VR85

A. HOW TO INSTALL (If Not Factory-Installed.)

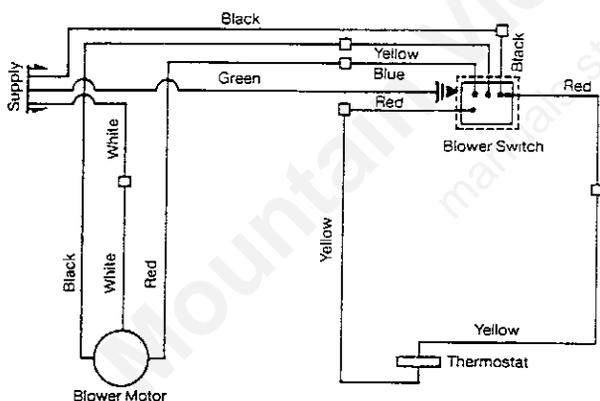
1. Remove two sheet metal screws at each side of lower rear panel and remove from back of heater.
2. Set blower in position so that the four bolts extend through the corresponding holes in the heater base. Put lock washers and wing nuts on bolts and tighten.
3. Fasten switch box retaining clip to control box mounting bracket, next to the Top Command Control. Two holes are in the control box mounting bracket that match the holes in the clip. Secure with nuts and bolts provided. The offset ends of the clip should stand out from the mounting bracket so that the switch box flanges will fit under them.
4. Slide switch box flanges up under clip and insert two sheet metal screws in bottom of flanges and tighten.
5. Plug cord into electrical outlet and test blower operation by turning switch to MANUAL-HI or MANUAL-LO position.
6. Before replacing rear panel strip, see "How To Operate."



B. HOW TO OPERATE

1. Switch may be turned to AUTOMATIC-HI or AUTOMATIC-LO position as desired. On the AUTOMATIC settings the blower is operated by a temperature-sensitive switch. It will turn on and off automatically as your stove heats and cools throughout the day. (During mild weather, your blower may not come on unless the burner operates 12 to 15 minutes to adequately warm the heater.)
2. The switch is located on the back side of the blower air intake scoop. To gain access to it, remove the lower rear panel strip from the back of the gas heater. This strip is held in place by two Phillips-head sheet metal screws.
3. When set at MANUAL-HI or MANUAL-LO, it will blow until turned to another setting.

WIRING DIAGRAM
S-5, S-64, S6, S67 & S-86 Blowers For WARM MORNING
Vented Gas Heaters



IMPORTANT— If any of the original wire as supplied with the appliance must be replaced, use type 105°C thermoplastic wire or its equivalent.

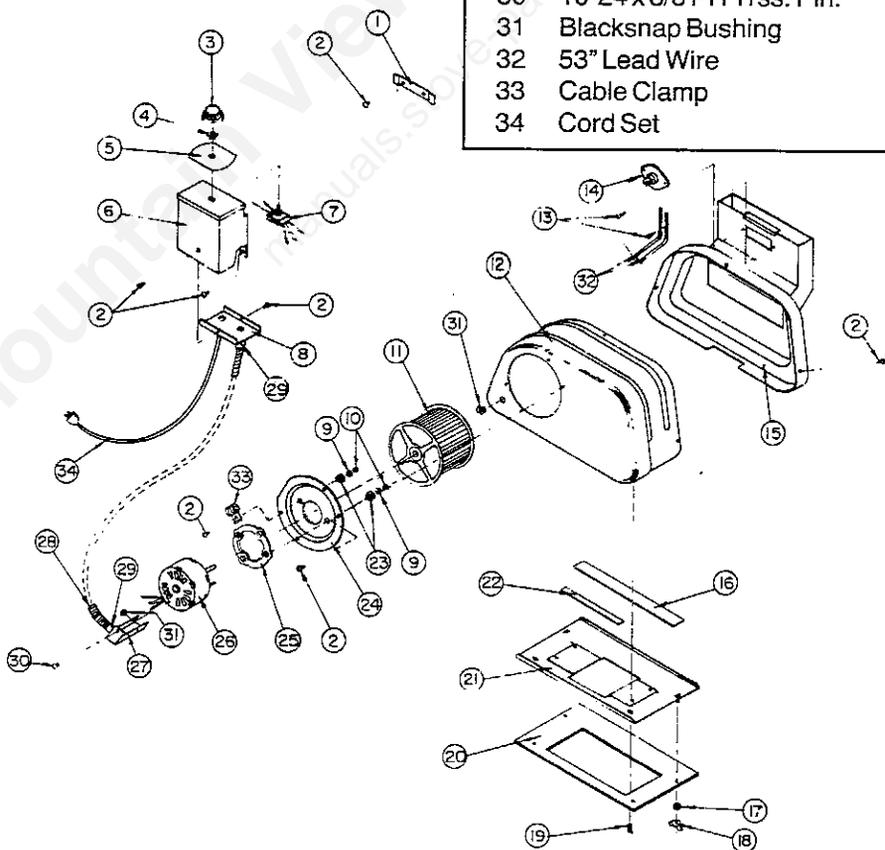
NOTE— This appliance must be electrically grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code ANSI/NFPA No. 70—Latest Edition.

WARNING— Electrical grounding instructions. This appliance is equipped with a three-prong (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.

C. CLEANING AND SERVICING

1. The blower motor is permanently lubricated and does not require oiling.
2. The blower wheel and motor will need occasional cleaning to remove dust and lint accumulation. To remove motor and blower wheel:
 - a. Remove power cord from electrical outlet.
 - b. Remove the four sheet metal screws that hold the motor mounting plate to the blower housing. **NOTE**— One of these screws also holds the clamp that secures the blower switch wires in place. (It is not necessary to remove the screw holding the junction box to the motor plate.)
 - c. With screws removed, pull out on motor and blower wheel assembly to free it from housing.
 - d. When replacing the motor assembly, be sure the wire clamp holding the switch wires is fastened back in position.
 - e. Plug cord into electrical outlet.

KEY NO.	PART NAME	QTY.	PART NO.
1	Blower Control Box Brkt.	1	815253
2	10 x 3/8 Ph. Trs. Hd. Type AB	13	HD591
3	Knob	1	277504
4	Comes with Item 7	-	--
5	Blower Switch Marking Plate	1	783617
6	Blower Control Box Assy.	1	903350P
7	2-Speed Control	1	2D105
8	DNA	-	--
9	Flat Washer	2	HD502
10	8-32 Hx Nt D Blct Dbich	2	HD186
11	Blower Wheel	1	1201008
12	Blower Housing Rear Assy.	1	794151P
13	10 X 3/8 Ph. Trs. Hd. Type AB	2	HD591
14	Type 60T27 Style 202710	1	202710
15	Blower Housing Front Assy.	1	794157P
16	Ceramic Tape 90	1	793904
17	#10 Washer Pin.	4	HD485
18	10-24 Wg. Nt. 7/8 Ws.	4	HD564
19	10-24 x 3/8 Spol Low Pn. Hd.	4	HD383
20	Blower Base Gasket	1	64601
21	Blower Base Assy.	1	794152P
22	793979C Tape 550	1	793905
23	Grommet	2	912168
24	Motor Mounting Plate Assy	1	651144P
25	Gasket	1	912167
26	Motor	1	71637215
27	Connector	-	635DC
28	22 Flex Conduit	1	893235
29	Sleeve Cup	1	999901006
30	10-24 x 3/8 PH Trss. Pln.	2	HD306
31	Blacksnap Bushing	2	B500375
32	53" Lead Wire	2	847351
33	Cable Clamp	-	--
34	Cord Set	1	814804



WARM MORNING
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