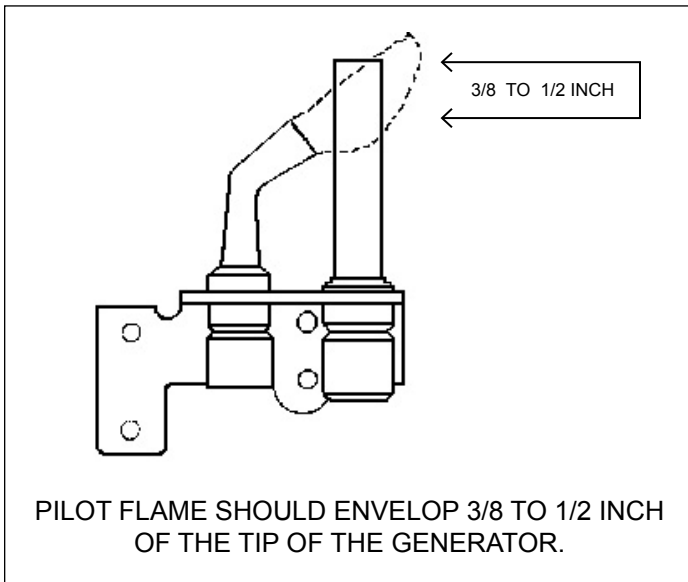


## PILOT ADJUSTMENT

Locate the pilot adjustment screw on the valve. The pilot flame should surround at least the top 3/8" of the powerpile (pilot generator) or thermocouple (see below). The pilot is unregulated so it will be operating at inlet line pressure (Max. 7" w.c. for natural gas and 11" w.c. for propane). To decrease the pilot flame, turn the screw clockwise (approximately seven to nine full turns to bottom of pilot light channel) until you produce sufficient flame at the minimum noise level.

**Fig. K: Pilot Flame Adjustment**



## MAINTENANCE INSTRUCTIONS

### **STEP 1.**

Installation and repair must be done by a qualified service person. The appliance should be inspected before use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that control compartments, burners, pilot burners, circulating air passageways and venting systems of the appliance be kept clean.

### **STEP 2.**

If the appliance has been equipped with the optional WFF81-C fan kit assembly, the bearings of the motor should be oiled every six months with approximately 2 drops of S.A.E. 20 oil.

### **STEP 3.**

The appliance area must be kept clear and free of any combustible materials, gasoline and other flammable vapors and liquids.

### **STEP 4.**

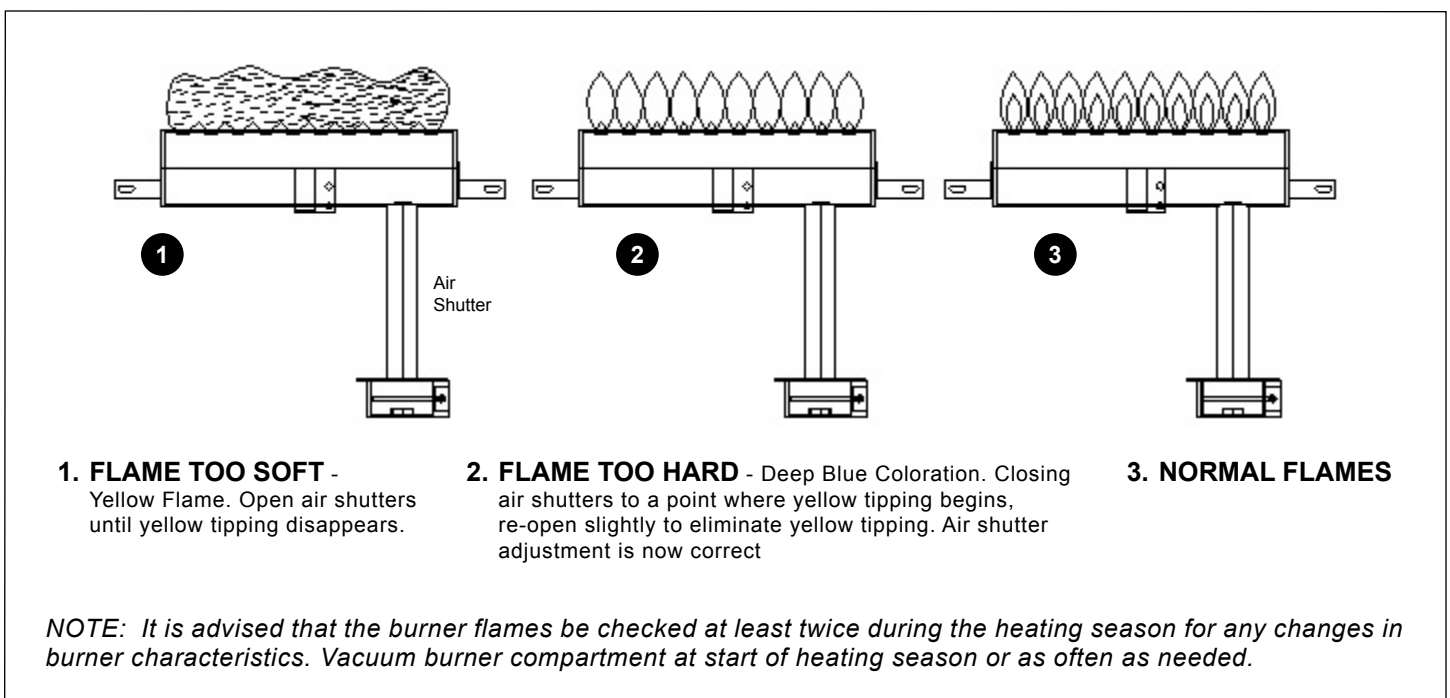
It is essential that the flow of combustion and ventilation air not be obstructed.

### **STEP 5.**

Periodic examination of the entire ventilation system as a routine part of the safety performance check is recommended on an annual basis.

## Burner Flame Adjustment - Stainless Steel Burner

**Fig. L**



**MODEL WFF81-C OPTIONAL FAN KIT - INSTALLATION INSTRUCTIONS**

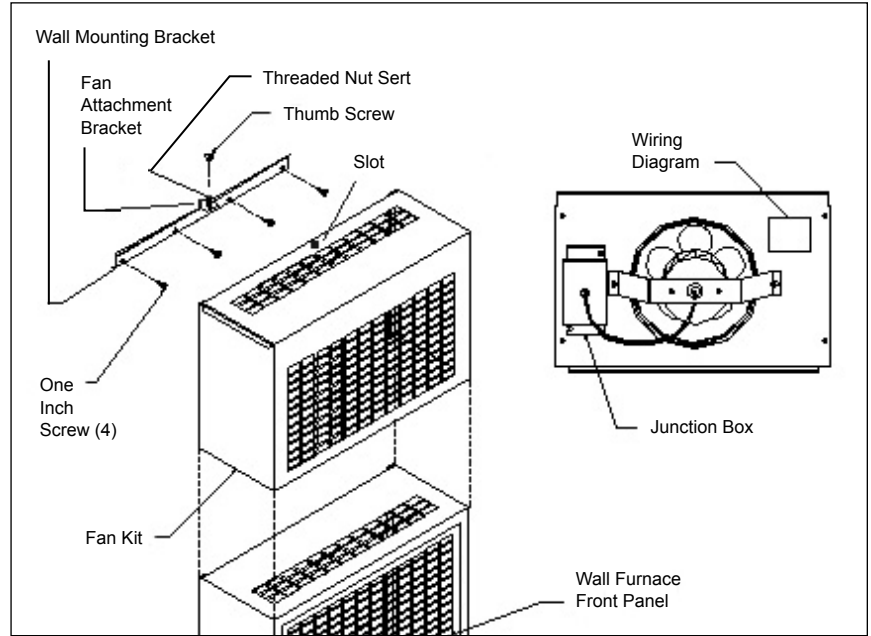
**NOTE:** This fan kit is to be installed after installation of wall furnace and with the wall furnace front panel in place.

**STEP 1.** This appliance, when installed, must be electrically grounded in accordance with local codes, or in the absence of local codes, with the latest edition of the National Electric Code, ANSI/NFPA No. 70. In Canada, see the current Canadian Electrical Code CSA C22.1.

**STEP 2.** Set fan kit on top of the wall furnace front panel. Using the back top edge of the fan kit cabinet as a guide, mark a horizontal line across the wall. Mark a small vertical line which aligns with the slot located toward the rear of the fan kit casing.

**STEP 3.** Using the four one inch screws provided, secure the wall mounting bracket to wall 1/8" below the horizontal line. Fan attachment bracket must be up and threaded nut sert aligned with the small vertical line.

**Fig. O**



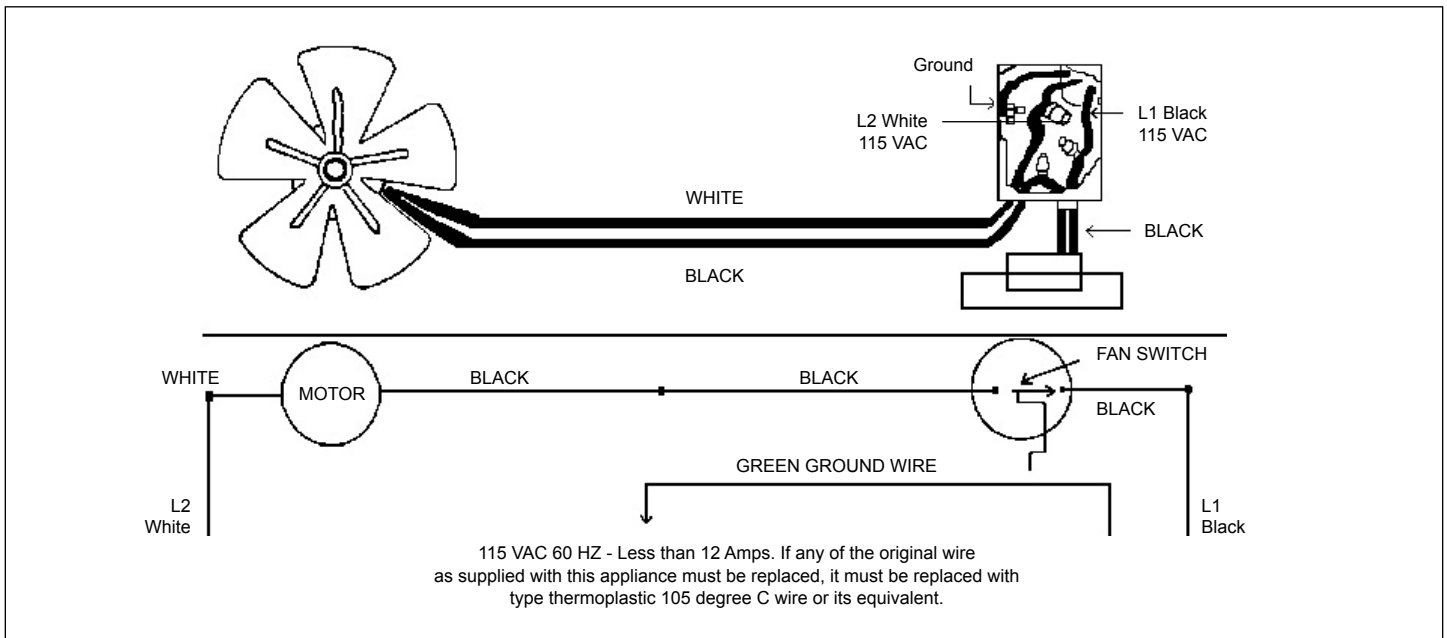
*Note: Anchors (not provided) may be required.*

**STEP 4.** Remove junction box and connect 115v power supply in accordance with the wiring diagram. Replace junction box.

**STEP 5.** Set fan kit on top of wall furnace front panel. Slot should align with the nut sert. Secure fan kit to wall mounting bracket with thumb screw provided.

**WFF81 - C WIRING SCHEMATIC**

**Fig. P**



**PARTS LIST: GRAVITY WALL FURNACE - ( May 2016 )**

HOW TO PROPERLY ORDER PARTS: *In addition to part description and part number, please give model number, serial number, and type of gas used. This information can be found on the rating plate that is attached to heater. Specifications subject to change without notice.*

<b>FRONT PANEL, DOOR &amp; BODY ASSEMBLY</b>				
<b>FOR MODELS:</b>		<b>W25G</b>	<b>W35G</b>	<b>W50G</b>
<b>PART DESCRIPTION</b>	<b>REF. NO.</b>	<b>PART NO.</b>	<b>PART NO.</b>	<b>PART NO.</b>
Front Panel Assembly	1	# 40025-K	# 40025-K	##40025-K
Lower Door	2	40032-80	40032-80	*40032-80
Handle Assembly	3	40033	40033	*40033
Body Assembly	4	39805	39805	40103
Draft Diverter Assembly	7	40042	40098	40141
Draft Diverter Assembly	7A	-	-	40140
Heat Exchanger	8	40266	40267	*40266
Upper Shield	9	40068	40068	*40068
Header Assembly	10	40055-K	40055-K	40150-K
Lower Front Shield	11	40065	40065	*40065
Gasket Flue Pipe	12	78050	78050	78050
Blocked Flue Sw. 350 Deg.	46	84166	84166	84166
Wiring Harness / Wall	47	84133	84133	84133

<b>WFF81-C FAN KIT</b>		
<b>( FITS ALL MODELS )</b>		
<b>PART DESCRIPTION</b>	<b>REF. NO.</b>	<b>PART NO.</b>
Fan Cabinet	13	40304
Junction Box	14	40315
Motor Mounting Brk.	15	40313
Motor	16	85110
Fan Blade	17	85115
Heyco Strain Relief	18	84155
Fan Switch	19	84170
Wiring Diagram (label)	20	91147
Fan Housing	21	40311
Fan Switch Wire	48	*84171
Wall Mtg. Bracket	49	40316
Installation Manual	N/A	84511

<b>BURNER ASSY. PARTS FOR MODELS:</b>		<b>W255G &amp; W256G</b>	<b>W355G &amp; W356G</b>	<b>W505G &amp; W506G</b>
<b>PART DESCRIPTION</b>	<b>REF. NO.</b>	<b>PART NO.</b>	<b>PART NO.</b>	<b>PART NO.</b>
Burner, Support Assy.	28	-	-	40212
Burner, Steel	29	84070	84070	84070
Burner, Steel with Carry Over Tapping	29A	-	-	84071
Burner Restrictor Plate for W506F, G & G1	-	-	-	40220
Orifice Coupling	30	84631	84631	-
Elbow 3/8 90 Degree	31	84124	84124	-
Orifices	32	SEE ORIFICES ON PAGE 23		
Manifold	33	-	-	84072
Pipe Nipple	-	84123	84123	-
Pilot Tubing w/ Fittings	44	74452	74452	74452
Air Shutter	35	84078	84078	*84078
Valves	36	SEE GAS VALVES ON PAGE 23		
Pilots	38	SEE PILOTS ON PAGE 23		
Pilot Generator 23"	39	70098	70098	70098
Thermostat	40	74592	74592	74592
Wire, Thermostat	41	49925	49925	49925
Carry Over Shield	43	-	-	40209
Installation Instructions	-	84502	84502	84502
Lighting Instr., Wall	-	91254	91254	91254

<b>40542-A REAR REGISTER KIT</b>		
<b>( W25 / 35 MODELS ONLY )</b>		
<b>PART DESCRIPTION</b>	<b>REF. NO.</b>	<b>PART NO.</b>
Damper	22	40375
Damper Spring	23	40377
Frame Assembly	24	40365
Register Chain	25	40379
Bell, Pull	26	85003
Register Assembly	27	40355
Installation Manual	-	84504

<b>FSK-A FREE STANDING KIT</b>		
<b>( W25 / 35 MODELS ONLY )</b>		
<b>PART DESCRIPTION</b>	<b>REF. NO.</b>	<b>PART NO.</b>
Floor Plate Assembly	55	40405
Right Side Assembly	56	40410
Upper Left Side	57	40415
Upper Right Side	58	40416
Upper Front	59	40418
Left Side Assembly	60	40422

**ATTN: CONTRACTORS AND SERVICE TECHNICIANS;** We only sell parts through our wholesalers. For prompt parts service, contact the wholesaler from which you purchased your Cozy heater.  
 NOTE: Parts & schematic drawings on current models are shown at: [www.cozyheaters.com](http://www.cozyheaters.com)

\*Two (2) are Required  
 #40025 - Includes Lower Door (40032)  
 and Handle Assembly (40033)