

INSTALLER: LEAVE THIS MANUAL WITH THE APPLIANCE.
CONSUMER: RETAIN THIS MANUAL FOR FUTURE REFERENCE.



INSTALLATION AND OPERATING INSTRUCTIONS

CERTIFIED UNDER CANADIAN AND AMERICAN NATIONAL STANDARDS: CSA 2.33, ANSI Z21.88 FOR VENTED GAS FIREPLACE HEATERS.

HD81 GLASS BURNER ASSEMBLY

B81NG
NATURAL GAS

B81PG
PROPANE

CERTIFIED FOR CANADA AND UNITED STATES USING ANSI/CSA METHODS.

SAFETY INFORMATION

WARNING

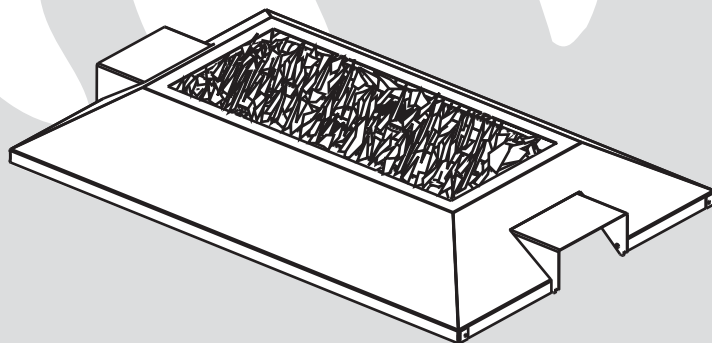
If the information in these instructions are not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

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

- WHAT TO DO IF YOU SMELL GAS:

- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

- Installation and service must be performed by a qualified installer, service agency or the supplier.



APPLY SERIAL NUMBER LABEL FROM CARTON



Serial No. XXXXXX000000
MODEL NO.

Wolf Steel Ltd., 24 Napoleon Rd., Barrie, ON, L4M 4Y8 Canada /
103 Miller Drive, Crittenden, Kentucky, USA, 41030

Phone (705)721-1212 • Fax (705)722-6031 • www.napoleonfireplaces.com • ask@napoleonproducts.com

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NOTE: Changes, other than editorial, are denoted by a line in the margin.

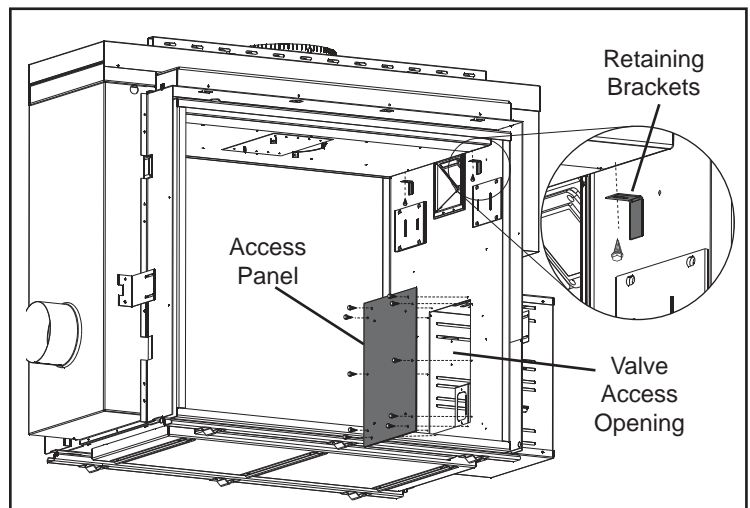
1.0 GENERAL INFORMATION

This glass burner assembly is approved for use in the HD81 gas appliance only. It is not approved for use as a stand alone appliance or in conjunction with any other appliance.

2.0 INSTALLATION

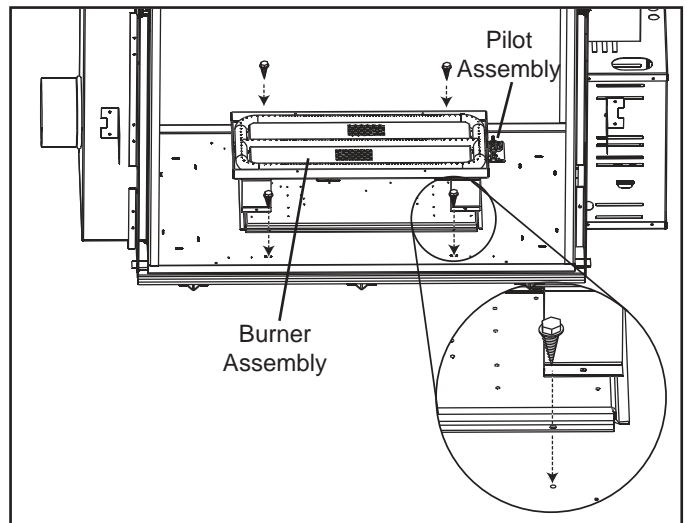
2.1 ACCESS PANEL

- A. Once either door is removed (see Installation Instructions), remove the valve access panel and the 4 retaining brackets located at the top of the firebox.



2.2 BURNER ASSEMBLY

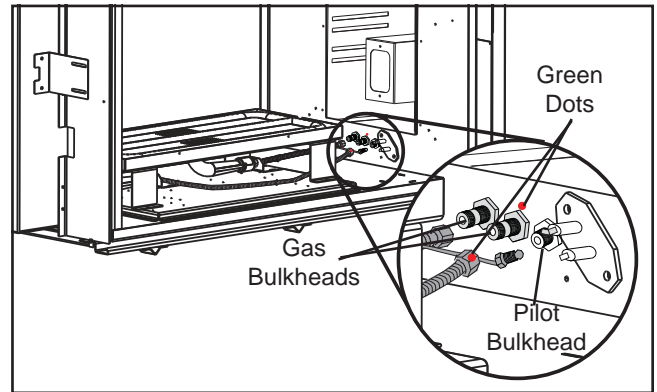
- A. Attach the burner assembly to the firebox base with the screws supplied, making sure the pilot assembly is closest to the valve access opening.



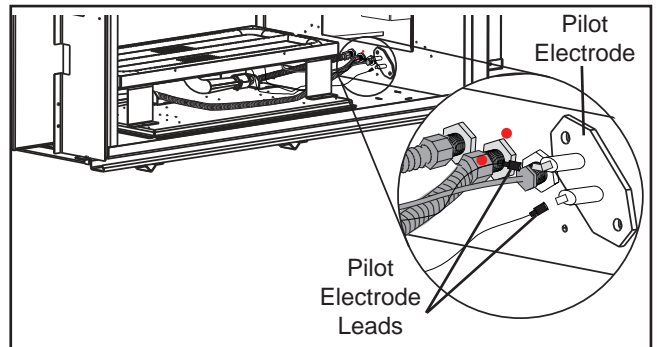
2.3 BULKHEADS

NOTE: Bulkhead covers need to be removed.

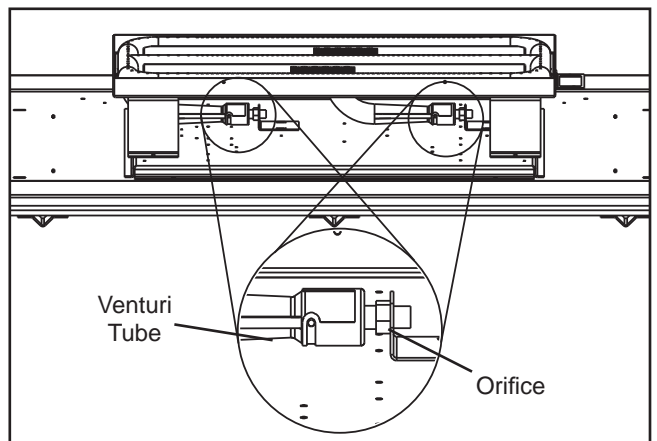
- A.** Connect the gas flex lines and the pilot line to the gas bulkheads located under the valve access opening. Be sure to match up the gas manifold marked with a green dot with the center bulkhead, also marked with a green dot. Care must be taken to ensure the pilot line isn't damaged and ensuring gas tight connections are made.



- B.** Connect the pilot electrode leads to the bulkhead. The leads can only fit one way. You need to match the 1/4" flag with the 1/4" bulkhead spade and the 3/16" flag with the 3/16" spade.



- C.** Ensure the 2 venturi tubes are over the orifices before lighting.
- D.** Check for gas leaks by brushing on a soap and water solution. Do not use open flame.
- E.** After leak test has been performed re-install access panel with gasket.



2.4 NIGHT LIGHT™ INSTALLATION

Your HD81 comes equipped with 2 “Night Lights™”.

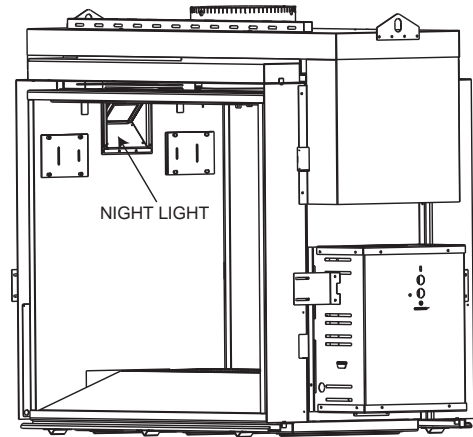
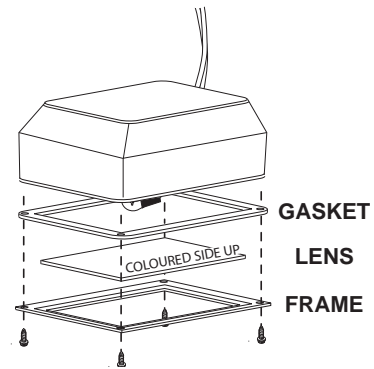
The lights have been pre-wired and are controlled from the remote control.

Included with the burner assembly are the frames, lenses and gaskets that need to be installed as illustrated.

THE FIREBOX MUST BE SEALED.

Over tightening the screws could break the lens.

“Light Leakage” from the holes in the housing lamp may be observed. The holes in the lamp housing are necessary for ventilation and must not be covered.



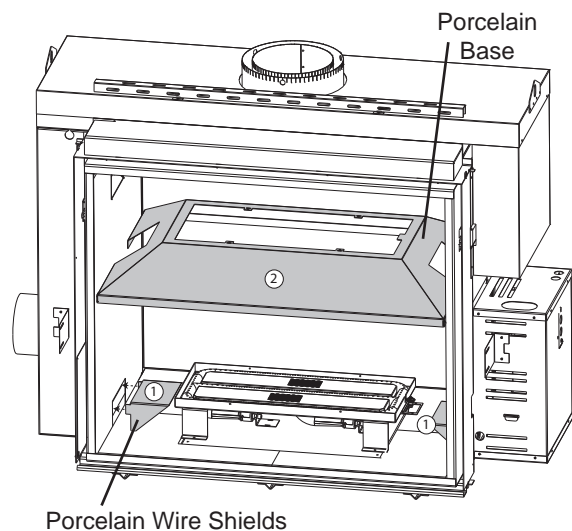
2.5 PORCELAIN BASE INSTALLATION

The porcelain base is shipped separate from the appliance and is included with the burner assembly.

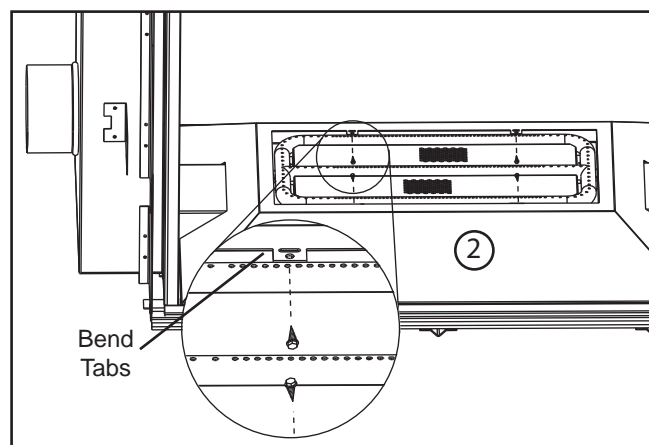
INSTALL IN THE FOLLOWING ORDER:

NOTE: Burner assembly must be installed first.

- A. Side porcelain panels or brick panels must be installed prior to porcelain base and glass. For side porcelain panel installation see “PRP81 PORCELAIN REFLECTIVE RADIANT PANEL” leaflet and for brick panel installation see “GD844KT DECORATIVE BRICK PANEL - SANDSTONE” leaflet.
- B. Position the porcelain wire shields ① into the holes in the bottom slots of the side porcelain panels. There are tabs on the top of the shields so they can only go in so far until they hit the firebox side. Carefully place the porcelain base ② over the wire shields until it sits flat on the firebox base.



- C. Align the 4 tabs on the porcelain base ② down to line up with the holes in the burner tray. Secure using the screws provided.



2.6 GLASS MEDIA

! WARNING

CLEAN THE GLASS MEDIA PRIOR TO INSTALLATION. BEFORE APPLYING THE CLEANED GLASS, ENSURE THAT IT IS DRY.

DO NOT CHANGE OR SUBSTITUTE THE GLASS MEDIA MATERIAL PROVIDED WITH THIS APPLIANCE. IF REPLACING, USE ONLY THE REPLACEMENT GLASS MEDIA AVAILABLE FROM YOUR AUTHORIZED DEALER / DISTRIBUTOR.

GLASS MEDIA OVER THE BURNER MUST NOT BE MORE THAN ONE LAYER HIGH. MORE THAN ONE LAYER OVER THE BURNER WILL CAUSE FLAME LIFTING AND SOOTING PROBLEMS.

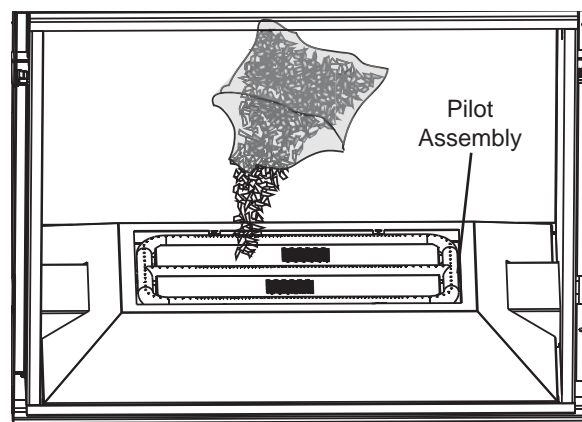
Evenly spread the glass media onto the media tray, covering the burner tube and following the natural shape of the tray.

NOTE: The distribution of glass media over the burner tube will influence the flame height. When the flames impinge on the glass, the glass may discolour slightly and the edges may soften.

CLEANING GLASS MEDIA

Glass media may have a fine oil residue that needs to be cleaned prior to installation. Clean the glass with mild dish soap, drain, rinse thoroughly and dry before placing over the burner.

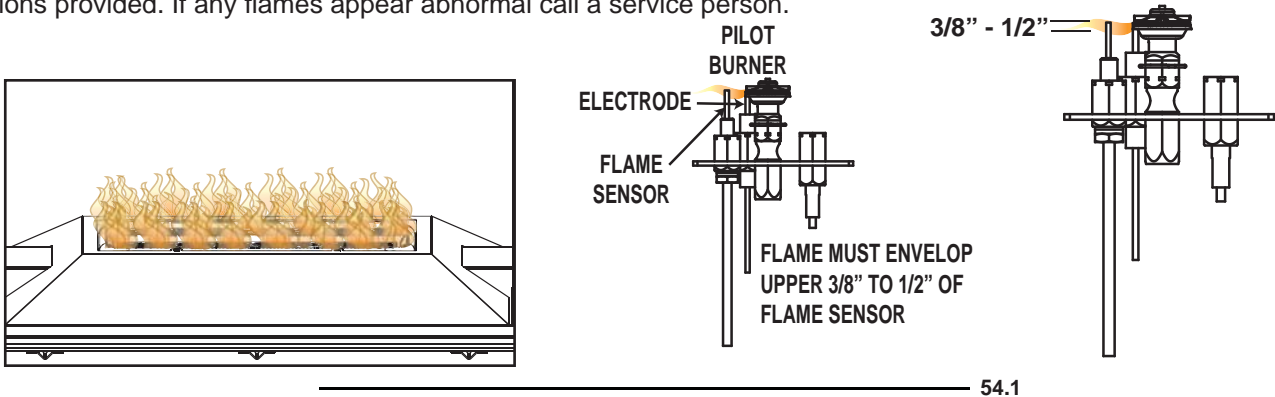
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3.0 ADJUSTMENT

3.1 FLAME CHARACTERISTICS

It's important to periodically perform a visual check of the pilot and burner flames. Compare them to the illustrations provided. If any flames appear abnormal call a service person.

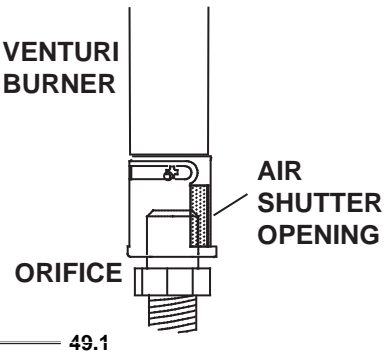


3.2 VENTURI ADJUSTMENT

This appliance has an air shutter that has been factory set open according to the chart below:

Regardless of venturi orientation, closing the air shutter will cause a more yellow flame, but can lead to carboning. Opening the air shutter will cause a more blue flame, but can cause flame lifting from the burner ports. The flame may not appear yellow immediately; allow 15 to 30 minutes for the final flame color to be established.

AIR SHUTTER ADJUSTMENT MUST ONLY BE DONE BY A QUALIFIED INSTALLER!



Air Shutter Openings both Burners	
LP	7/16"
NG	3/16"

4.0 REPLACEMENTS

Contact your dealer or the factory for questions concerning prices and policies on replacement parts. Normally all parts can be ordered through your Authorized dealer / distributor.

FOR WARRANTY REPLACEMENT PARTS, A PHOTOCOPY OF THE ORIGINAL INVOICE WILL BE REQUIRED TO HONOUR THE CLAIM.

When ordering replacement parts always give the following information:

- Model & Serial Number of appliance
- Installation date of appliance
- Part number
- Description of part
- Finish

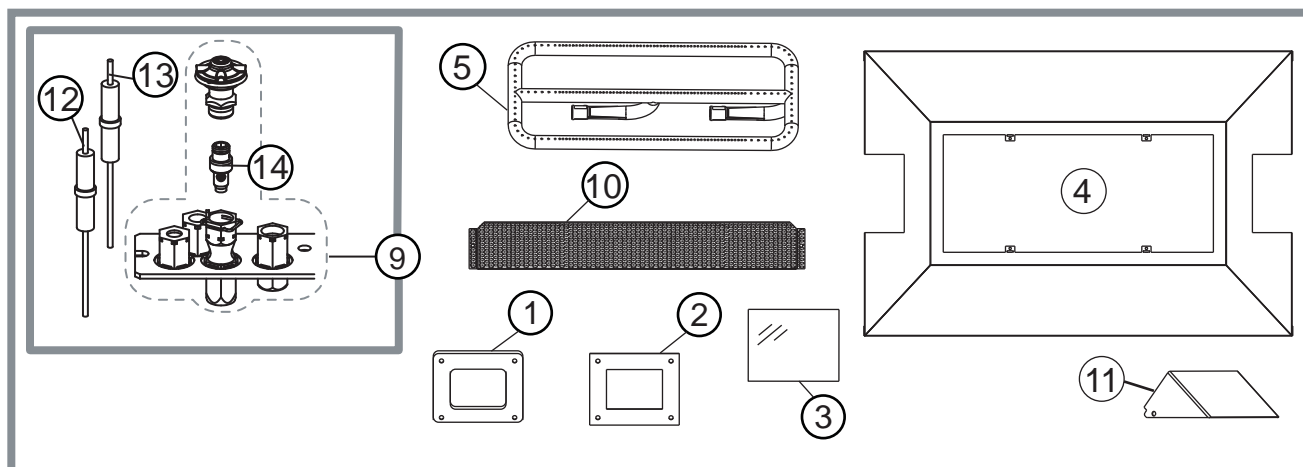
*** IDENTIFIES ITEMS WHICH ARE NOT ILLUSTRATED. FOR FURTHER INFORMATION, CONTACT YOUR AUTHORIZED DEALER.**

! WARNING

FAILURE TO POSITION THE PARTS IN ACCORDANCE WITH THIS MANUAL OR FAILURE TO USE ONLY PARTS SPECIFICALLY APPROVED WITH THIS APPLIANCE MAY RESULT IN PROPERTY DAMAGE OR PERSONAL INJURY.

41.1

COMPONENTS		
REF NO.	PART NO.	DESCRIPTION
1	W280-0071	NIGHT LIGHT LENS FRAME
2	W290-0080	NIGHT LIGHT GASKET
3	W300-0086	CERAMIC BLUE NIGHT LIGHT LENS
4	W035-0272	PORCELAIN GLASS BURNER BASE
5	W100-0106	DOUBLE TUBE BURNER
6*	W175-0227	CONNECTOR, 3/8" STAINLESS STEEL FLEX
7*	W175-0289	CONNECTOR, 3/8" STAINLESS STEEL FLEX (24")
8*	W300-0102	6 LB BAG OF GLASS
9	W010-1861	2-WAY NATURAL GAS PILOT ASSEMBLY
9	W010-1862	2-WAY PROPANE GAS PILOT ASSEMBLY
10	W565-0097	GLASS BURNER SCREEN
11	W080-0900	PILOT WIRE COVER
12	W750-0200	FLAME SENSOR
13	W750-0201	ELECTRODE
14	W455-0070	NATURAL GAS PILOT INJECTOR
14	W455-0068	PROPANE GAS PILOT INJECTOR
15*	W456-0034	#34 ORIFICE NATURAL
15*	W456-0054	#54 INSIDE ORIFICE PROPANE
15*	W456-0052	#52 OUTSIDE ORIFICE PROPANE



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