

INSTALLATION INSTRUCTIONS FOR HeatFlo™ Kit

FOR USE IN ASTRIA ALLUMEDLX60TEN, ALLUME60TEN AND SUPERIOR DRL4060TEN FIREPLACES
(This Kit is Compatible for One Sided or See-Thru Application)

INSTALLER: Leave this manual with the fireplace.

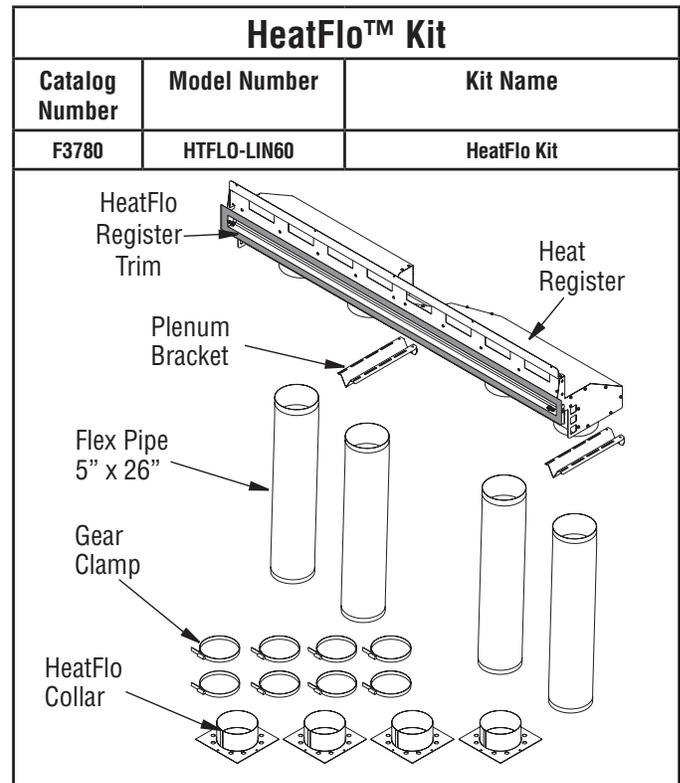
CONSUMER: Retain this manual for future reference.

IMPORTANT NOTICE

HTFLO-LIN60 (HeatFlo) KIT IS REQUIRED IF INSTALLING A TV ABOVE THE FIREPLACE.

WARNING

This kit must be installed by a qualified installer, service agency, or gas supplier at the time of the fireplace installation. These instructions must be used in conjunction with the installation and operation manual provided with the fireplace.



TOOLS REQUIRED (not included)

Electric Drill/Driver Gun
Phillips Screwdriver Bits
5/16 Nut Driver
3/8 Nut Driver
Wood Screws

Kit Components

1 ea. Heat Register
1 ea. HeatFlo Register Trim
4 ea. 5" x 26" (compressed length) Flex Pipe
8 ea. Gear Clamp
4 ea. HeatFlo Collar
2 ea. Plenum Bracket
32 ea. Self Tapping Screws

GENERAL INFORMATION

The HeatFlo™ system is designed to redirect the convective heat of the fireplace from the front of the unit, above the glass, to a location higher on the wall. The use of this kit allows for TV installations closer to the fireplace or in recessed wall cavities above the fireplace (see tables 1 and 2 on page 2).

When Installing this kit, reference the framing dimensions and follow the framing instructions shown on the fireplace installation Instructions. Follow all other installation requirements for the fireplace as detailed in the installation manual.

REFER TO INSTALLATION INSTRUCTIONS AND CARE AND OPERATIONS MANUAL (IICO) FOR FRAMING DETAILS BEFORE INSTALLING THIS KIT.

ALL WARNINGS AND PRECAUTIONS IN THE INSTALLATION AND OPERATION MANUAL PROVIDED WITH THE FIREPLACE APPLY TO THESE INSTRUCTIONS.

IMPORTANT NOTICE

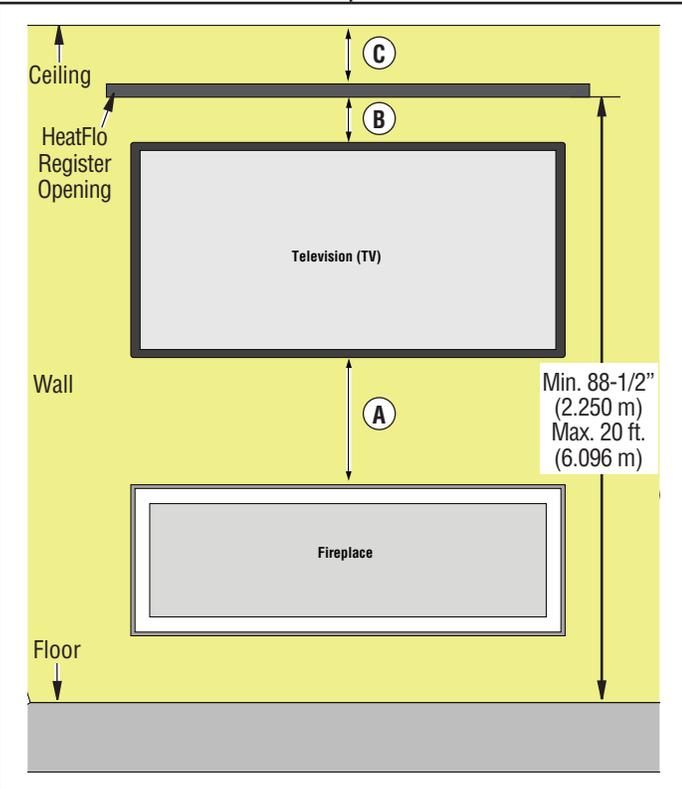
Most television manufacturers instruct the homeowner to not place the television above a heat source. Doing so may negatively affect the longevity of the television and may negate the warranty. If you do place a television above the fireplace, please be aware of the large amount of heat generated by the fireplace and consider placing the television above the fireplace at 12" minimum on a flush wall and at 18" for a recessed installation, to reduce the amount of heat that reaches the television. The homeowner must understand that IHP does not take responsibility for any negative impact to televisions placed near this fireplace.

⚠️ WARNING

Ensure clearances to combustibles are maintained when building a mantel or shelves above the fireplace. Elevated temperatures on the wall or in the air above the fireplace can cause melting, discoloration or damage to decorations, a television (TV) or other electronic components.

Table 1 - Dimensions for Television (TV) Installed Above Fireplace (Flush Wall)

(A) TV Above fireplace Opening	12" (305 mm)
(B) TV Below Heat Vent Opening	3" (77 mm)
(C) Heat Vent Opening Below Ceiling	6" (153 mm)



TVs should not be used in situations where the actual TV temperature exceeds the manufacturer's technical specification. Contact the TV manufacturer directly if you cannot locate this information or have questions regarding this information.

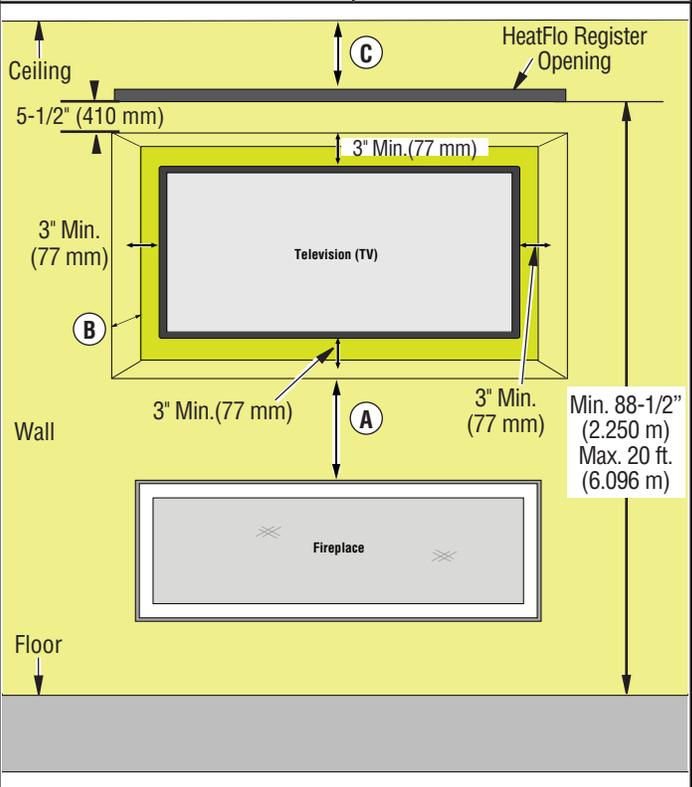
NOTE: Clearances to TV are provided only for guidance, please follow TV manufacturer's recommendation for installation.

See Tables 1 and 2 for TVs Installed above the fireplace:

WIRING NOTE: If running wiring into the enclosure, use thermal insulating wrap around the wiring. Secure the wiring to protect from contact with hot surfaces.

Table 2 - Dimensions for Television (TV) Installed Above Fireplace on a Recessed Wall Pocket

(A) TV Above Fireplace Opening	18" (458 mm)
(B) Recess Depth (Maximum)	3-1/2" (89 mm)
(C) Heat Vent Opening Below Ceiling	6" (153 mm)



- Clearances from fireplace and walls including recessed applications and clearances from the top of the fireplace, the wall behind the TV and the clearance between the top of the TV and the ceiling.
- Maximum ambient room temperature for combined operation of the TV and Fireplace
- To assure acceptable temperatures, the TV manufacturer's recommendation for temperatures must be checked after installation of the TV and with the Fireplace operating on high after 1 hour. The temperature must be below the manufacturer's recommendation or the TV must be moved to provide greater clearances.

HEATFLO™ KIT INSTALLATION

NOTICE

This kit must be installed by a qualified installer, service agency, or gas supplier at the time of the fireplace installation. These instructions must be used in conjunction with the installation and operation manual provided with the fireplace.

WARNING

DO NOT cover or place objects in front of the heat register opening. AVOID locating heat register opening within 7 feet above floor level as discharge temperatures are hot!

WARNING

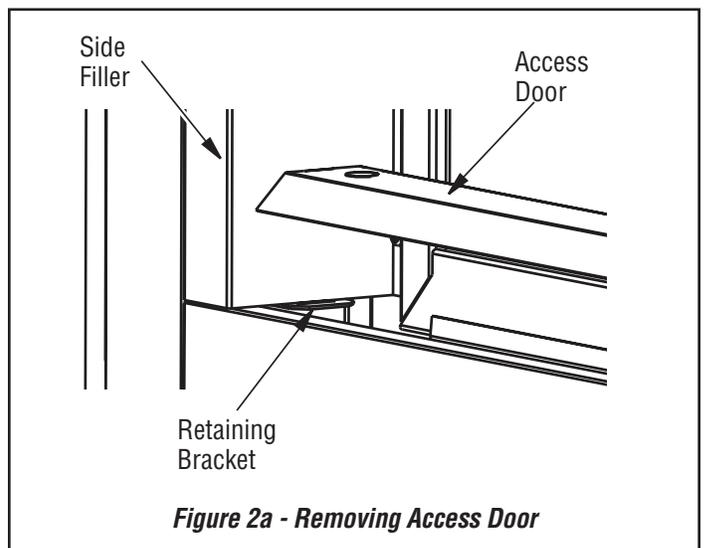
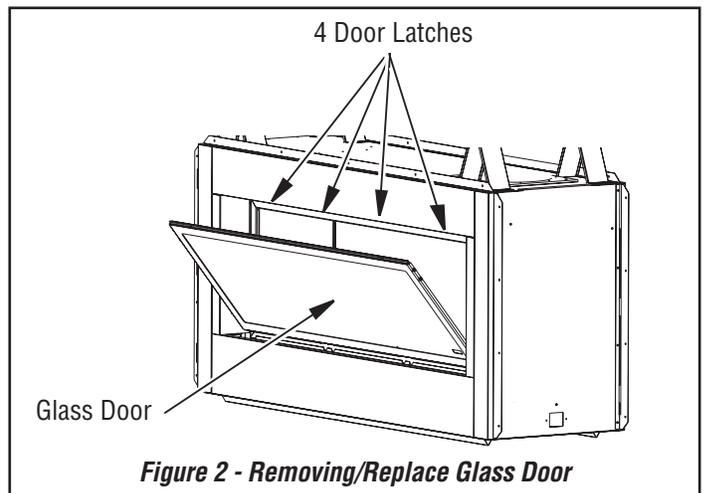
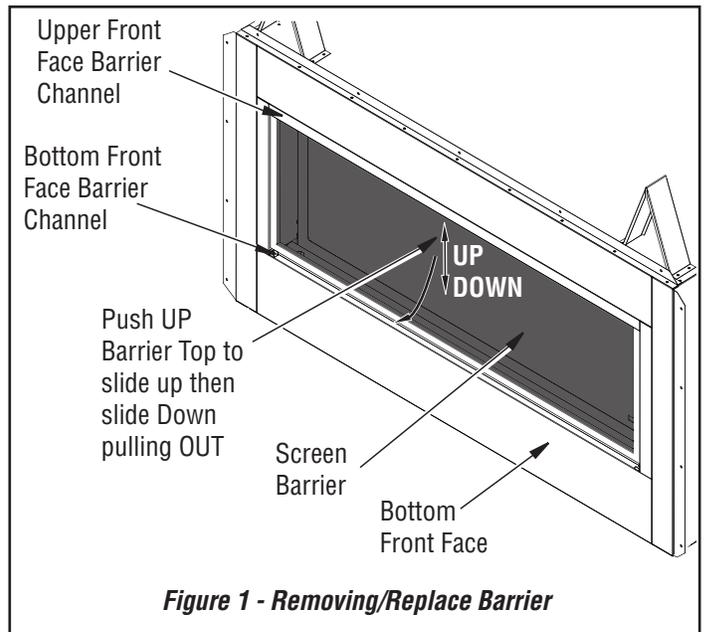
Minimum clearances below the ceiling is 6". Note that staining or streaking may occur on light colored ceilings to any dust, etc. in air flow.

FIREPLACE PREPARATION/HEATFLO INSTALLATION

Note: the installation of the HeatFlo system must be done at the framing stage, the fireplace must be prepared by removing and installing certain components before insertion into the framing.

ACCESSING THE FIREPLACE

1. To access the glass door securing latches, first remove the screen barrier from fireplace.
2. Lift the barrier to clear the bottom channel and swing the bottom of the barrier out. Then lower the barrier to clear the top channel. Place the barrier in a safe location for later re-installation (Figure 1).
3. Detach the four (4) door latches on top of firebox (**Figure 2**).
4. Swing the top of the glass door away from the fireplace about 15° angle (**Figure 2**).
5. Remove access control door from rectangular opening in front of the glass door by lifting it up from the bushings and pulling up to release the tabs from slots on side retaining brackets. Set aside the access control door for later re-installation (**Figure 2a**).



FIREPLACE PREPARATION

1. Prepare the fireplace for installation into the framing by removing the four HeatFlo diverter plate covers from underneath of fireplace top, discard HeatFlo diverter plate covers.
2. Remove/discard the four HeatFlo outlet cover plates from fireplace top by removing 4 screws on each outlet cover plate, save the screws for installing the HeatFlo collars (**Figure 3**).
3. Install the four HeatFlo collars to firebox top with the screws removed in step 2 (**Figure 3**).
4. Insert the fireplace into the framing.
5. Secure fireplace nailing flanges to the framing studs (**Figure 7**).

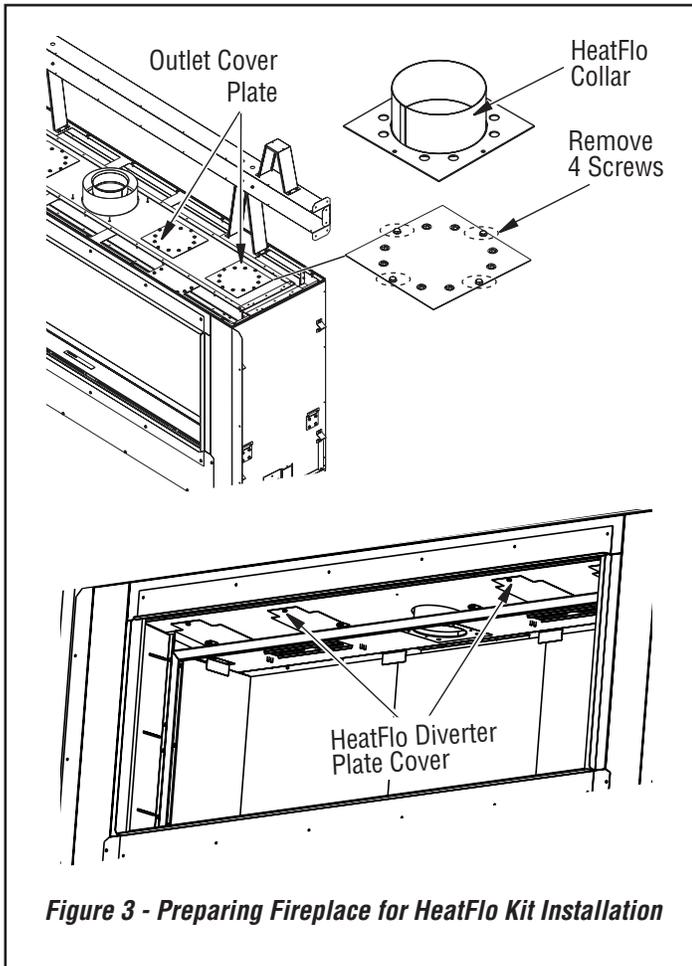


Figure 3 - Preparing Fireplace for HeatFlo Kit Installation

INSTALLING HEATFLO™ KIT HTFLO-LIN60 (F3780)

With the framing in place, proceed to install the HeatFlo™ kit.

Note: On a recessed wall pocket installation, discard fireboard nailing flange and nailing flange top spacers (**see Figure 4**).

1. Mount the heat register into the 7-1/2" rough frame opening maintaining minimum clearances (**See Figure 6**, page 5).
2. Fix the heat register to the framing using wood screws (not provided) through the top stud mounting section (**See Figure 8**, page 5). **Note:** The upper mounting section is not intended to carry the weight of the register and pipes, the heat register also rests on the bottom stud of the rough framing opening and on the plenum brackets (**Figure 5**).

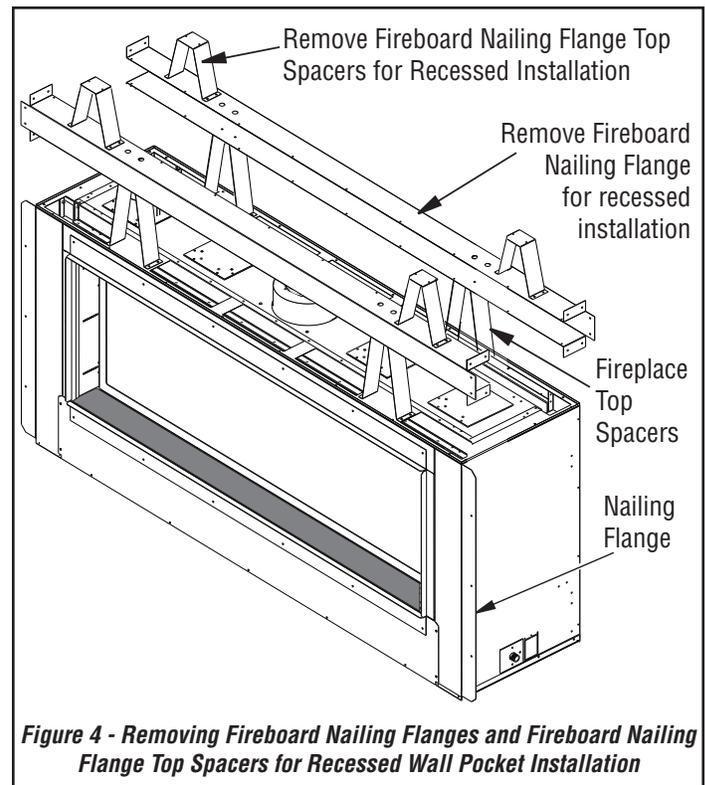


Figure 4 - Removing Fireboard Nailing Flanges and Fireboard Nailing Flange Top Spacers for Recessed Wall Pocket Installation

3. Using four (4) self tapping screws (supplied), secure plenum brackets to heat register between flue connectors to secure/support the weight of the heat register as shown in **Figure 5**.
4. Using four (4) wood screws (not supplied), secure both plenum brackets to additional framing stud (**Figure 5**).

Note: Plenum brackets are attached to heat register and to an additional stud on the framing enclosure, **see Figure 5**.

5. Ensure the heat register is leveled and its outlet is not distorted. Use metal straps (not supplied) as required to further secure the heat register to rear sides of framing (**see Figures 6 and 8**, page 5).

Note: Support straps need to be oriented vertically or angled at 45° (Purpose is to support the register weight **See Figure 6**, page 5).

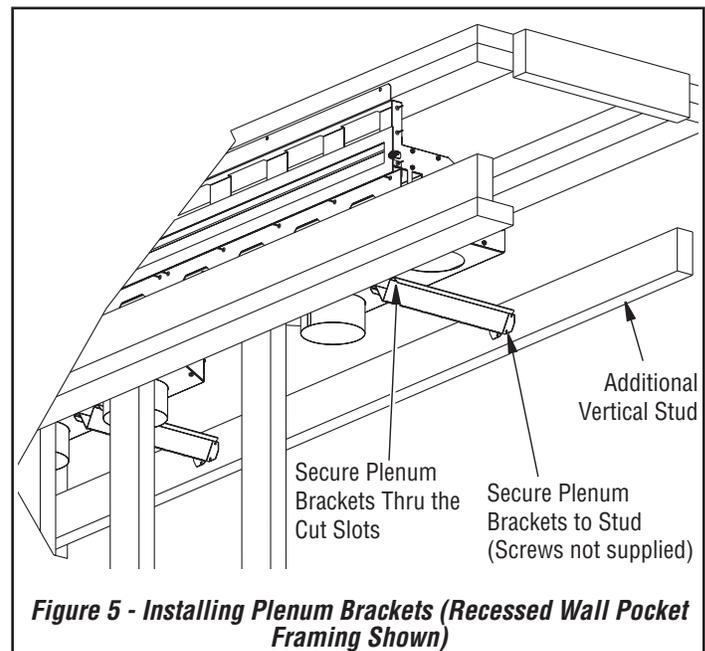
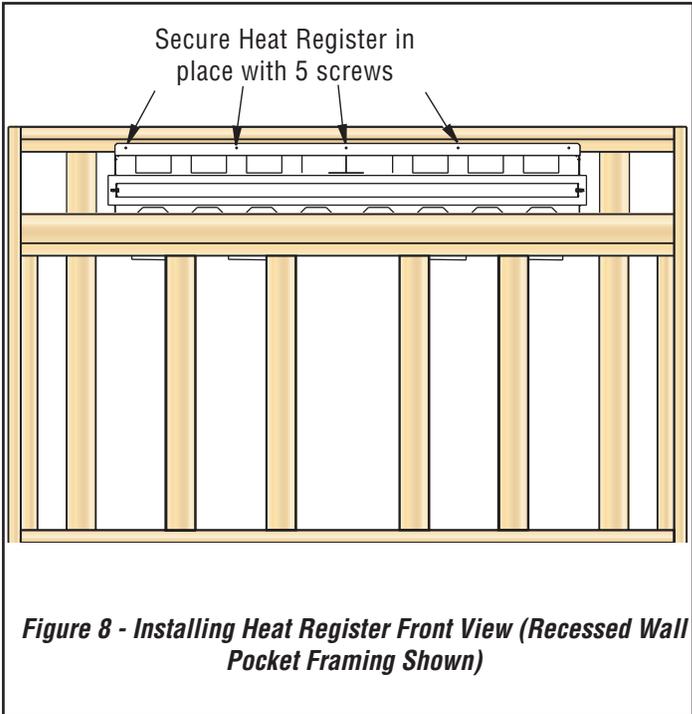
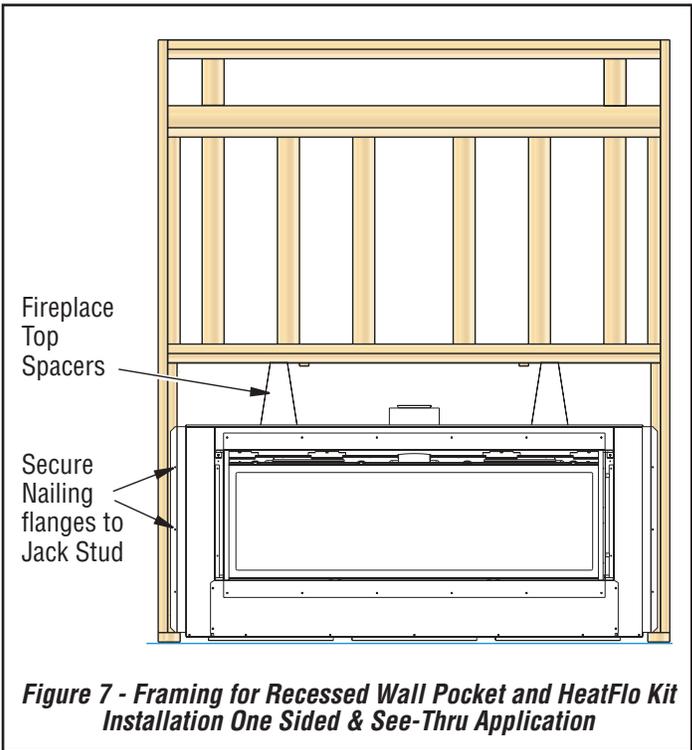
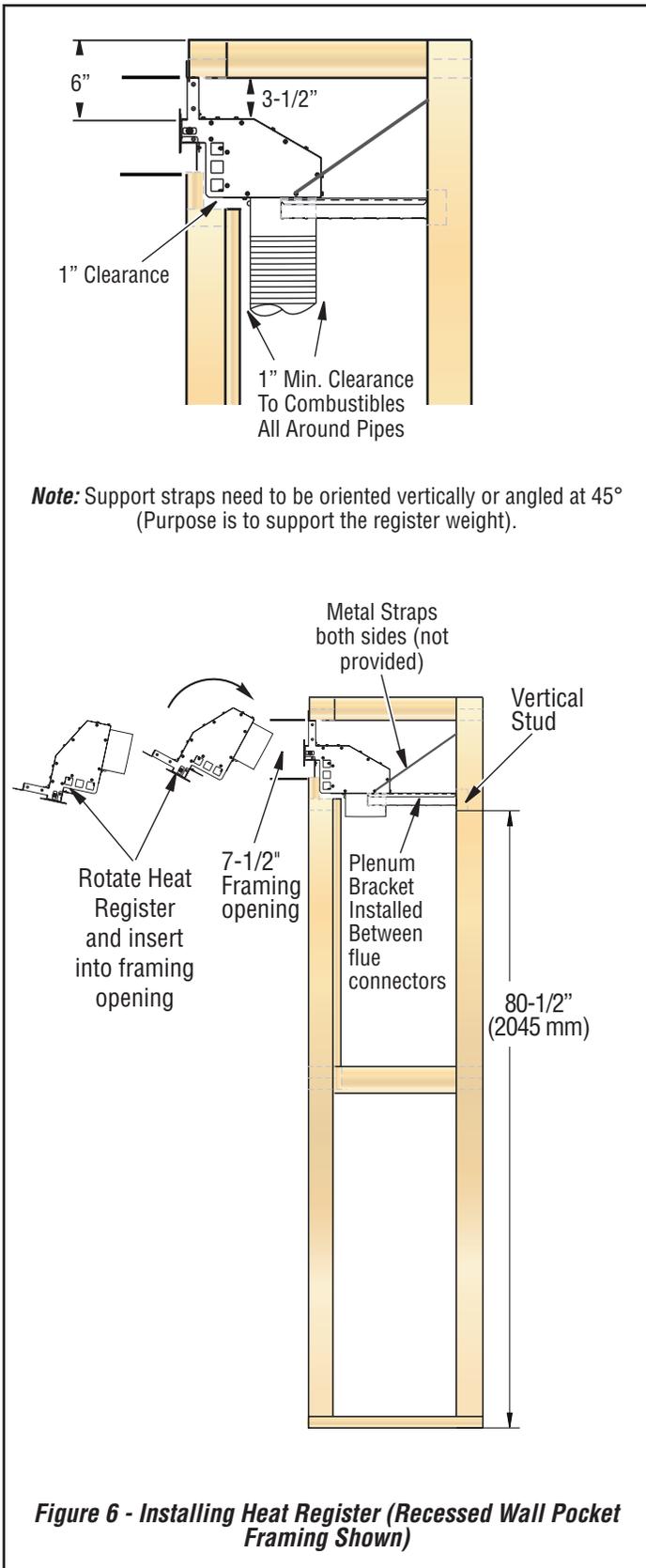


Figure 5 - Installing Plenum Brackets (Recessed Wall Pocket Framing Shown)



6. With fireplace and heat register in place, attach the approved flex pipes (supplied with kit) to each of the collars on the fireplace top and secure them with gear clamps and 3 self tapping screws per collar (provided with kit) see **Figure 9. Note: DO NOT SLICE PIPES!**
7. With the flex pipe sections attached to the fireplace, stretch the flex pipes enough to reach the heat register collar in place. **Note:** Flex pipe stretches up to 3 times its compressed length (ie. 26" long pipe will stretch to 78" maximum).
Note: Minimum allowed length from floor to bottom of heat vent opening is 88-1/2", maximum allowed length is 20 ft.
Note: Maintain 1" min. clearance to combustibles all around pipes.
Note: Keep flex pipe as vertical as possible to maintain air flow.
Note: Do no let flex pipes contact fireplace venting.
8. Secure the flex pipes to heat register HeatFlo collars with the gear clamps and self tapping screws provided see **Figure 10.**
9. Remove trim from Heat register before finishing details (**Figure 10**).
10. Attach the trim to the register using the screws on both sides after finishing details (**Figure 10, this page and Figure 13, page 7**). **NOTE:** The trim has 1" adjustment to allow for different thickness of building material like marble, tile, etc.

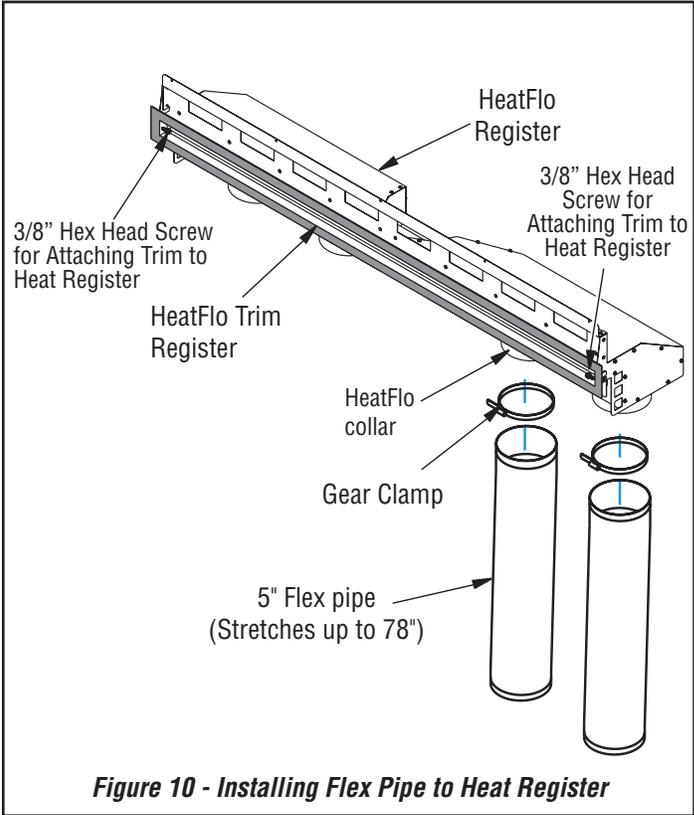


Figure 10 - Installing Flex Pipe to Heat Register

Figure 11, shows a HeatFlo™ system in place.

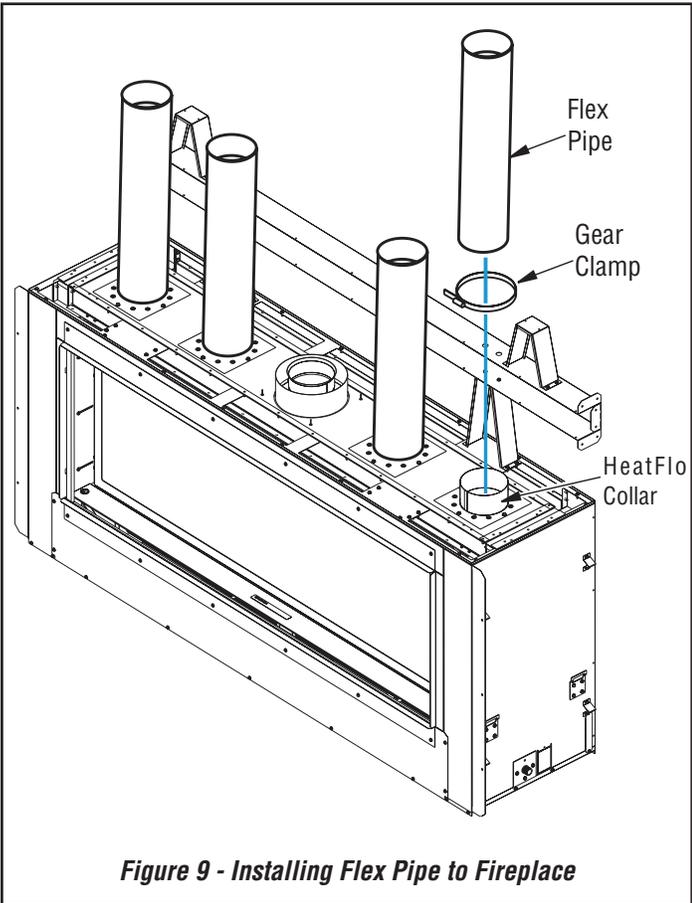


Figure 9 - Installing Flex Pipe to Fireplace

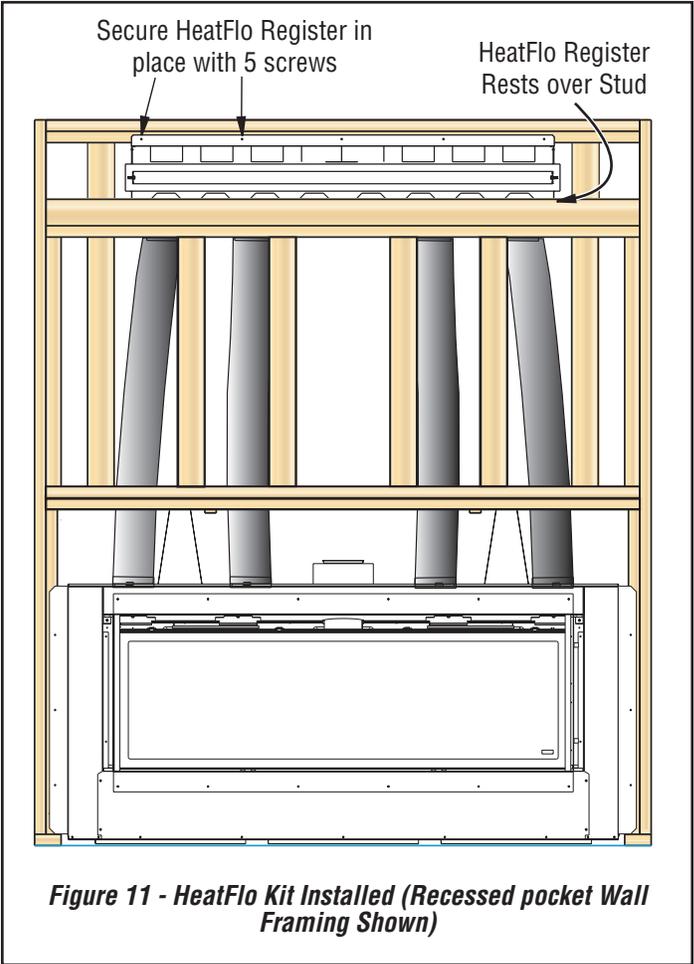


Figure 11 - HeatFlo Kit Installed (Recessed pocket Wall Framing Shown)

Re-Installing the Glass Door and Barrier

1. Retrieve the glass door. Visually inspect the gasket on the backside of the frame. Gasket surface must be clean, free of irregularities and seated firmly.
2. Position the door in front of the firebox opening with the top of the door held away from the fireplace at a 15° angle. Hook the bottom flange of the door frame over the bottom of the firebox frame.
NOTE: Ensure the glass door is centered—with even spacing on each side.
3. Let the top of the glass door swing gently in towards the fireplace ensuring that the gasket seats evenly as the door draws shut. Securely fasten the four (4) latches on firebox top to secure door in place.
4. Re-install access control door into rectangular opening in front of the glass door with the slanted side facing forward. Taking the access door from the bushings and inserting the side tabs in slots on side retaining brackets.
5. Install the barrier by sliding in into the top channel with the flat side toward the fireplace, then swinging the base of the barrier into the bottom channel and lowering it into place.
6. Finish the fireplace installation.

FINISHING FIREPLACE

The appliance is designed to mate with 1/2" wall sheathing materials such as drywall, plywood, wood composites, or non-combustible materials.

Finishing and Sealing Joints

All joints between the finished wall sheathing and the appliance must be sealed with non-combustible materials. Sealants, such as caulk or mastic used to seal the gap between the wall and the fireplace, should be rated at a minimum continuous exposure to 300 °F.

Finishing Around Opening with Gypsum Wallboard

Gypsum wallboard (drywall) joints adjacent to the fireplace opening, including the non-combustible board on the appliance, require special attention to minimize cracking. When installing gypsum wallboard around the fireplace, install the hole for the fireplace opening in a single wallboard sheet, if possible. This will minimize the joints adjacent to the fireplace opening.

Tape wall board joints around the fireplace opening with fiberglass-mesh tape. It will provide a more crack-resistant joint than paper tape. Fill, smooth and finish wall joints with chemically setting-type joint compound. It will provide a more crack-resistant joint than air-drying light-weight compound.

NOTE: NEVER install combustible material (wall finish, surround, trim, etc.) on, in front of, or overlapping any part of the fireplace front face.

NOTE: Non-combustible fireboard is provided with the fireplace. DO NOT SUBSTITUTE.

NOTE: Factory supplied tile stops protrude 3/4" from unit and will allow installation of standard tile and thin set on top of the noncombustible fireboard.

NOTE: The HeatFlo Register Trim ships from the factory painted black and it may be painted another color to match the wall color; using high temperature paint rated for minimum 250°F continuous rating (**Figure 13**). Do not finish over any of the opening in the trim outlet.

Installing Fireboard

1. Using 1" self drill bugle drywall screws (supplied), install non-combustible fireboard at bottom, sides and top of fireplace face (**See Figure 12**).
2. Apply 1/2" wall sheathing materials such as drywall, plywood, wood composites, or non-combustible materials to the rest of the wall. **Note:** When applying drywall, minimize number of joints to reduce potential for cracking.

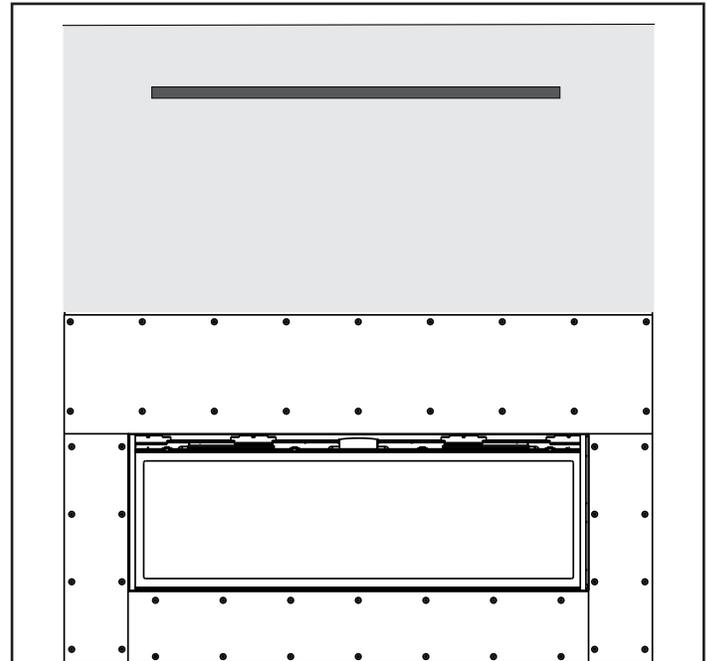


Figure 12 - HeatFlo Kit Installed (Flush Wall Shown)

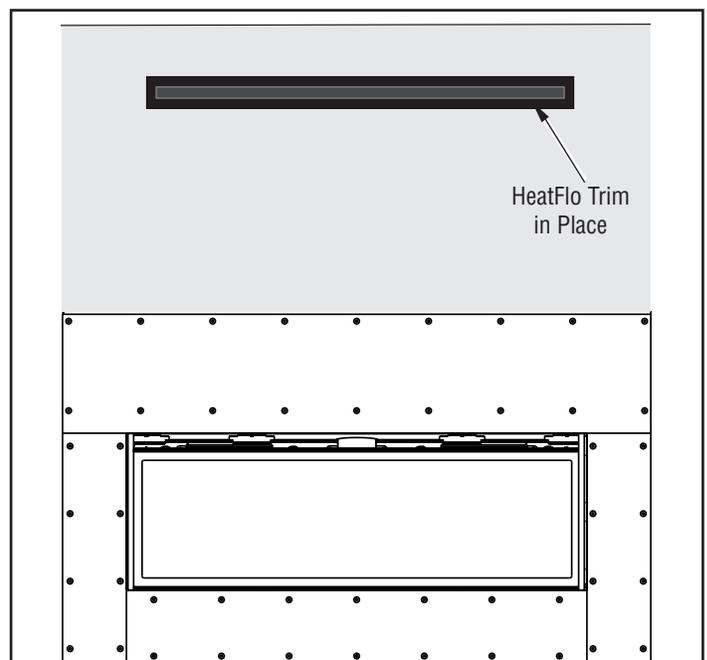


Figure 13 - HeatFlo Trim Installed (Flush Wall Shown)

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