Heat Shield®

PriorFire® Retrofit XL / XLT
Fireplace System

INSTALLATION INSTRUCTIONS

PriorFire XL (Model P-33)
PriorFire XLT (Model P-33T)
(Additional instructions for the XLT are in red throughout this manual)

Scan for complete instructional video

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Patent: 11,717,882

UL LISTED
MH64629

Zero Inch Clearance to Combustibles

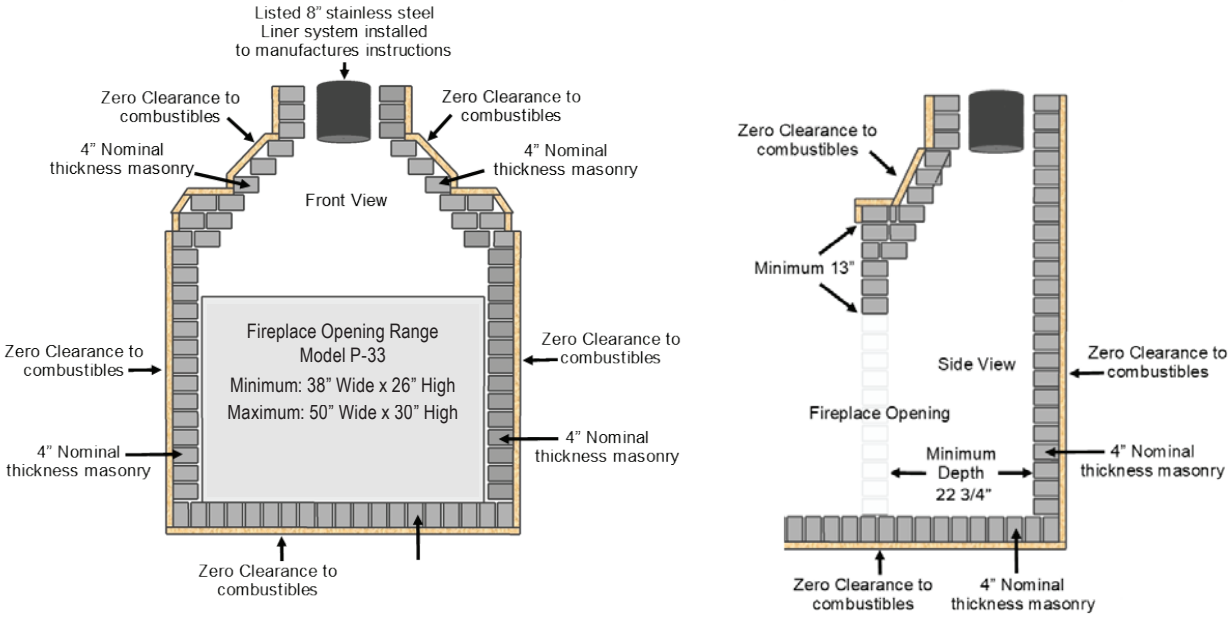
INTRODUCTION

The PriorFire Retrofit Fireplace Restoration System (patent pending) is a lab tested, field proven, engineered fireplace. Because of its back wall “wing” shape, low mass materials, and overfire air injection system, it produces 2-3 times more heat, fewer emissions and a tall “fun-to-watch” flame as it burns when compared to a traditional masonry fireplace.

SECTION 1- APPLICATION AND LISTING

The PriorFire Retrofit System is designed to improve, repair, or restore existing masonry fireplaces and can also be used for new construction masonry fireplaces. The product has been tested and listed by Underwriters Laboratory and is listed zero inch clearance to combustibles to UL Subject Standard 2506 – Refractory Panels for Masonry Fireplaces. This rigorous testing included temperature measurement during a brand fire test, flash fire test, and a fire chamber strength test.

SECTION 2- INSTALLATION REQUIREMENTS



The PriorFire Retrofit may be installed in any residential fireplace provided the width of the fireplace opening is a minimum of 38” and a maximum of 50”, the height opening is a minimum of 26” and a maximum height of 30” (P-33), the minimum floor depth is 22 3/4”. **Note**: The PriorFire XLT (Model P-33T) adds an eighth brick course for installation in fireplace openings greater than 30” and less than 34” in height. It requires a listed 9” stainless steel liner installed to manufacturer’s instructions.

This fireplace system must be installed by a fireplace professional in accordance with this installation and instruction manual. Do not use materials or parts other than those specified in these instructions.

Before installing the HeatShield PriorFire Retrofit System into a masonry firebox, the firebox, smoke chamber, and chimney flue must be thoroughly cleaned to remove all soot, tar, and glazed creosote. Thoroughly check the firebox, smoke chamber, and chimney flue for any cracked, loose, or missing bricks, mortar, or other materials and defects that could inhibit correct installation of this system.

Local Codes:

Contact local building or fire officials about restrictions and installation inspections in your area.

Clearances:

This product is UL listed at zero inch clearance to combustibles all around. The fireplace, floor, walls, hearth extension and smoke chamber must be constructed of a minimum of 4” nominal thickness of solid masonry units as per the Standard for Chimneys, Fireplaces, Vents and Solid Fuel-Burning Appliances, NFPA 211; the International Residential Code (IRC), and the Uniform Mechanical Code (UMC).

Chimney and Damper Requirements:

The PriorFire Retrofit System, Model P-33 is intended to be used with any 8” UL listed chimney lining system such as Poured-In-Place, Stainless Steel Flexible or Stainless Steel Ridged liners or any local code acceptable liners such as Clay Flue Tile Liners with a minimum opening of 50 sq. inches. (The PriorFire XLT Model P-33T requires a 9” UL listed chimney liner system or code acceptable liner such as clay flue tile liners with a minimum opening of 64 sq. inches.)

This unit requires a damper system. It is acceptable to install a UL listed top mounted cap/damper or other in-line damper or top sealing cap/damper that meets local codes.

Chimney liners and damper systems must be installed in accordance with manufacturer’s written installation instructions.

SECTION 3- MATERIALS, TOOLS AND SUPPLIES

The following are the basic materials, tools and supplies needed to install the PriorFire Retrofit System into a masonry fireplace.

PriorFire Retrofit Supplied Parts:

- ☐ 3/8" ceramic paper, 24"x20"
- ☐ Stainless steel diamond lath, 27"x23"
- ☐ 1" aluminum foil faced ceramic wool blanket, 8'x34"
- ☐ 2 Vertical side trim channels
- ☐ 12 clip retainer tubes, ½" x 31½"
- ☐ Left side frame
- ☐ Right side frame
- ☐ Back cross brace brick support
- ☐ Backwall plenum
- ☐ 2 "A9" Clips
- ☐ 3 "B9" Clips
- ☐ 1 "C9" Clip
- ☐ 1 "D9" Clip
- ☐ 1 "E9" Clip
- ☐ 74 Side wall clips
- ☐ 16 Front corner clips
- ☐ 116 Drop pins
- ☐ 28 Left wall brick
- ☐ 28 Right wall brick
- ☐ 24 Back wall brick
- ☐ 2 Replacement face brick
- ☐ Floor cassette bottom with one 3/8" and one 1/4" trapezoid cut ceramic paper
- ☐ Floor cassette center channel
- ☐ Floor cassette top with four 3/8" trapezoid cut ceramic paper and one 20 gauge stainless steel trapezoid piece
- ☐ Sixteen 5/16 hex head acorn nuts (8-32)
- ☐ 11 hex nuts with lock washers (8-32)
- ☐ Two 3/4" hex bolt (8-32)
- ☐ Bottom air inlet cross piece
- ☐ Front heat dam assembly
- ☐ 12 precut firebrick splits (firebox floor)
- ☐ 4-piece cast iron log retainer
- ☐ Heatshield Fireplace Mortar
- ☐ Damper bracket

For PriorFire Formula 51 Usage:

- ☐ Lintel angles
- ☐ Mesh base plate
- ☐ Expansion tape

For Stainless Steel Smoke Dome Usage:

- ☐ ½" foil faced blanket
- ☐ Stainless wire
- ☐ Spray adhesive

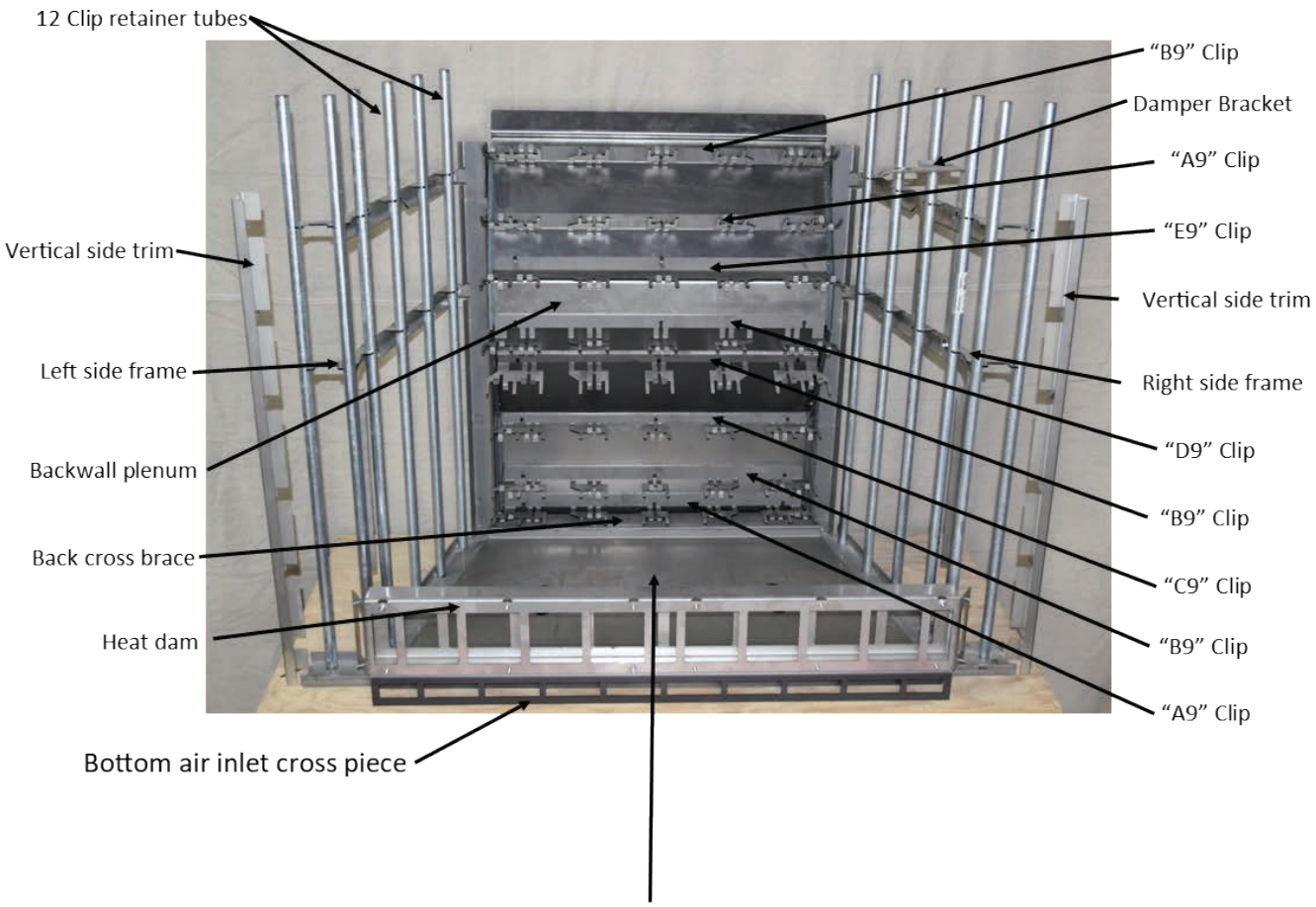
For PRIORFIRE XLT (P33-T) Height Extension Model:

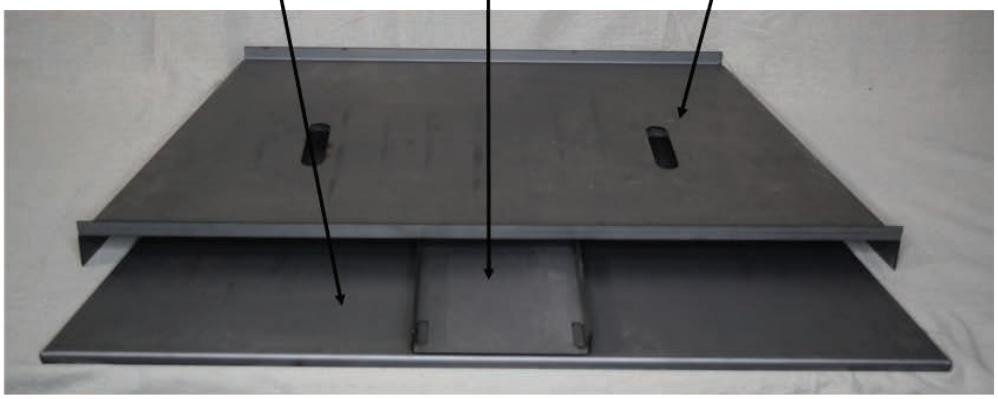
- ☐ 2 corner clips
- ☐ 10 side wall clipsTwelve 1/2" x 35 1/2" clip retainer tubes
- ☐ 1 XL damper bracket
- ☐ 8 Course 8 side wall brick
- ☐ 4 Course 8 back wall brick
- ☐ 2 XL Vertical side trim channels

Tools & supplies you will need:

- ☐ Tape measure
- ☐ Torpedo level
- ☐ Hammer drill
- ☐ Masonry drill bit – 3/16"
- ☐ Nut driver – 11/32" and 5/16"
- ☐ Combination wrench – 1/4"and 11/32"
- ☐ Hammers (dead blow)
- ☐ Utility knife
- ☐ 9/64" Allen tee wrench
- ☐ Silicone faced margin trowel
- ☐ Foil tape
- ☐ Trowels (misc.)
- ☐ Wood crosscut saw (fine tooth)
- ☐ Mixer paddle
- ☐ Sponges
- ☐ Putty knife
- ☐ Tapcons – ¼ x 1 ¼ hex head, and a 5/16" hex driver
- ☐ Measuring cups
- ☐ 1 or 2 gallon size mixing buckets
- ☐ Dust mask
- ☐ Eye protection
- ☐ Gloves
- ☐ Drop lights, rags, drop cloths
- ☐ Combination square

SECTION 4- PERFORMING THE PRIOR FIRE RETROFIT INSTALLATION





ASSEMBLED METAL FRAME

Before installation, please read and familiarize yourself with these instructions. For questions prior to or during the installation process, contact a Heatshield representative by calling 800-860-6327 during business hours.

Step 1

Determine if the PriorFire retrofit will fit into the existing fireplace. In most fireplaces, it will be necessary to remove the back wall of the firebox, the damper, and the frame. Sidewalls of the firebox may also need to be removed as long as 4" nominal masonry remains. Determine the type of smoke chamber to be installed – PriorFire Stainless Steel Smoke Chamber or PriorFire Formula 51 Smoke Chamber Restoration coating. Will the chimney be relined with a UL listed liner or will you utilize the existing clay flue liner?

Step 2

The smoke chamber and chimney liner must be addressed before installing the PriorFire Retrofit System. To address the smoke chamber, refer to the instructions of your choice. For PriorFire Formula 51 see page 14; for PriorFire Stainless Steel Smoke dome, see page 15.

Step 3

After the smoke chamber and liner have been addressed, begin by preparing the existing masonry firebox. Remove any remaining parts of damper assembly, smoke shelf, side, or back walls of the existing fireplace to the following range if needed:

- Depth – minimum 22 3/4"
- Width – minimum 37", maximum 50"
- Height – minimum 26", maximum 30" (max 34" with PriorFire XLT P-33T Model)

Step 4 (Optional)

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This step is optional as the side trim channels may not fit on all fireplaces and are not mandatory. They do not affect the installation or the UL listing.

Sweep or vacuum the remaining firebox walls and floor to remove any dust or debris.

Install the two stainless steel side trim channels on each of the firebox side walls just behind the face brick, with the tabs with the mounting holes pointing to the back of the fireplace.

Use a torpedo level to make sure each side trim channel is plumb. Use ¼ x 1 ¼ inch hex head Tapcons at 2 or 3 points using a 3/16 masonry drill and 5/16 drill/driver. The distance from the face of the opening to the front of the side trim channel should measure the same on both the left and right sides of the opening. See Figure 1.

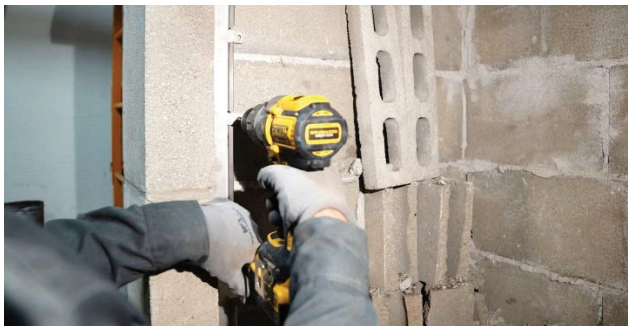

FIGURE 1

Step 5

Starting at the backside of the side trim channels, measure the length of the two side walls and the backwall of the fireplace. Cut the foil-faced ceramic wool blanket with a utility knife to this length measurement. Line the existing firebox with the ceramic wool. Trim the height of ceramic blanket if needed. See Figure 2.

SCAN ME

Note: Always wear a respirator and gloves when handling ceramic wool.

FIGURE 2

Step 6

SCAN ME

Remove the left and right-side frames from its box. Then remove the back cross brace brick support and the 12 clip retainer tubes.

Insert the clip retainer tubes into the left and right-side frames (6 each side). See Figure 3.

Attach the damper bracket to the right or left side frame with the 11/32 nut driver. See Figure 4.

FIGURE 3

FIGURE 4

Step 7

Insert the assembled side frames into the fireplace and snap the back cross brace into position. See Figures 5–7.

SCAN ME

FIGURE 5

FIGURE 6

FIGURE 7

Step 8

SCAN ME

Remove the bottom air inlet cross piece from the heat dam assembly. Temporarily attach to the left and right-side frames with two 8/32 nuts with the 11/32 nut driver. See Figure 8.

FIGURE 8

Step 9

Install the backwall plenum so it snaps down into the slots on the rear side wall vertical channels. There is a hand-hold slot on each side of the backwall plenum to help you position it properly. See Figures 9-11.

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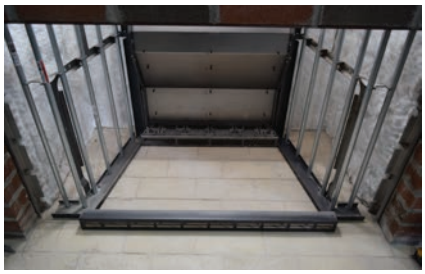

FIGURE 9

FIGURE 10

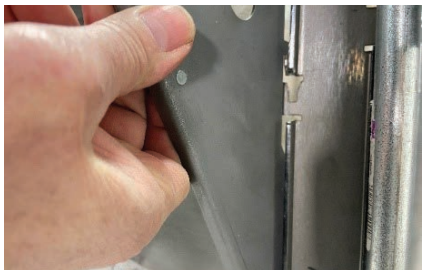

FIGURE 11

Step 10

Install the first “A9” clip by slipping it over the bottom set of cap bolts and slide it down so the prongs of the clip engage in the slots on the back bottom brace. Use the 9/64th T-wrench to tighten cap bolts (do not over tighten). See Figure 12 and Figure 13.

SCAN ME

FIGURE 12

FIGURE 13

Step 11

Position the whole assembly by moving it left, right, front, or back as needed. Use a torpedo level to make sure the unit is level and plumb. Make sure the side frames align with side trim. See Figures 14 and 15.

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FIGURE 14

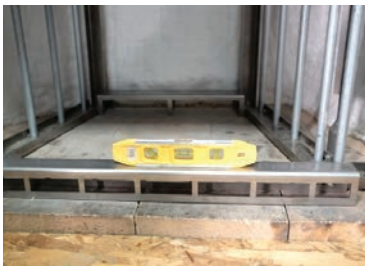

FIGURE 15

Using a ¼" Tapcon and 3/16 masonry drill and 5/16 driver, attach the side frame to the floor of the firebox. See Figures 16 and 17.

FIGURE 16

FIGURE 17

Step 12

SCAN ME

Install the side wall brick. You can start with either the left or right side. There are 28 total precut bricks for each side wall (left and right). Each brick is stamped with the course number, position, and wall. **Note**: PriorFire XLT Model P-33T has 32 total precut bricks for each sidewall.

For example, the first course left wall brick are stamped: 1 Back Left, 1 Center Left, 1 Front Left, 1 Face Left. Second course is stamped 2 Back Left, 2 Center Left, 2 Front Left, 2 Face Left and so forth. Bricks must be placed in order by course and position.

Set the first course of brick into the bottom channel on one of the sides, starting with the back brick. At the front of each course, measure the length of the face return brick from the short point, mark and cut as necessary so it fits inside the vertical side trim channel. See Figures 18 & 19.

FIGURE 18 (Odd numbered course)

FIGURE 19 (Even numbered course)

NOTE: Face return brick length will vary based on course number. All odd numbered will be the same; all even numbered will be the same. (Your measurements may not match those shown.) Extra bricks are included in case of miscuts.

Using a fine tooth crosscut saw, cut the return (face) brick for each course to proper length so it fits behind the reveal of the of the vertical side trim channel. See Figure 20.

Optional: Remove front air inlet cross piece. This might help when you reach the top courses.

FIGURE 20

To install the sidewall retainer clips, bend the head joint tab on the clip when it lines up with the head joint of the brick. If the head joint tab is over the center of a brick, do not bend the tab. To bend the head joint tabs on the clips, use the side notch on another clip to bend down 90°. See Figures 21-23.

FIGURE 21

FIGURE 22

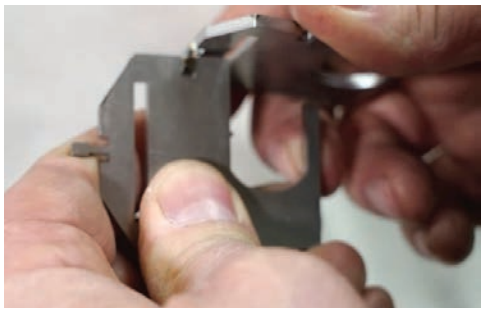

FIGURE 23

Start with a front corner clip. Bend down the tab that lines up with the head joint and then snap the clip onto the vertical pole. See Figure 24.

FIGURE 24

Then install the remaining sidewall clips for the course you are on, bending down the tabs where necessary before snapping to the pole. Once the clips are in place, install the drop pins through the slot on the clip into the Kerf cuts in the brick. See Figures 25 & 26

FIGURE 25

FIGURE 26

Repeat for each course until the first side is complete. See Figure 27.

FIGURE 27

Then follow the same instructions for the other side using the properly marked brick, clips and drop pins.

Note: Make sure the top of the 7th course (last course) also gets clips and drop pins. If using the XLT, ensure the 8th course of the side walls also get clips and drop pins.

FIGURE 28

Step 13

SCAN ME

Grout sidewall brick.

Mix HeatShield Fireplace Mortar. Using a 1-gallon clean mixing pail, add approximately 3 and ¾ cups of water. Then place 10 level cups (measuring cup supplied) of dry HeatShield Fireplace Mortar into the water. Mix manually or with drill and small paddle mixer to a smooth, lump-free consistency. Adjust consistency with small amounts of water as needed.

Thoroughly wet the side you are grouting with clean water and a sponge. Grout all the joints with HeatShield Fireplace Mortar using a silicone faced margin trowel float. Thoroughly grout each joint by pushing mortar into each joint until full. Scrape off excess mortar with a putty knife, and then wash the face of the brick with clean water and a sponge. Rinse sponge frequently in clean water and wipe brick until the face of the brick look clean. See Figures 29-31.

FIGURE 29

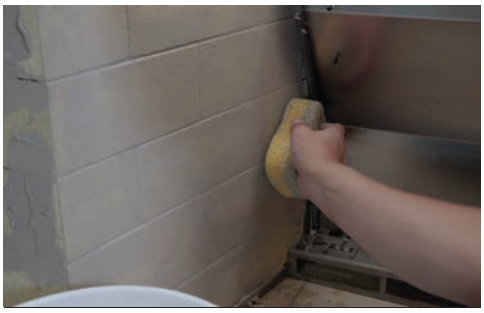

FIGURE 30

FIGURE 31

Step 14

SCAN ME

Install the back wall brick. There are 24 total precut brick for the back wall. Each brick is stamped with the course number, position, and wall.

For example, the first course brick for the back wall are stamped 1 Left Back, 1 Center Back, 1 Center Back, 1 Right Back (the two center brick are the same). The second course is stamped 2 Left Back, 2 Center Back, 2 Right Back. Brick must be placed in order by course and position.

Note: <u>The back wall of this unit is not grouted.</u> The joints are intentionally left open to provide pre-heated, over-fire air for more complete combustion and reduced emissions.

First course: Start with the left brick (1 Left Back) of the first course. Place the brick so the tabs of the "A9" clip slip into the bottom groove in the brick. Slide the left brick all the way to the left, repeat with the center and right ride side brick of course 1. Slide each brick onto the tabs of the installed "A9" clip.

FIGURE 32

Next slide the "B9" clip over the back cap bolts and onto the top of the first course until it lays flat on the top of the brick. Tighten the two nuts using a 9/64" Allen "Tee" wrench to secure the "B9" clip (do not over tighten). See Figure 32.

Second course: Place second course of brick onto the “B9” clip, moving them left or right to get even head joint spacing. Slip the “C9” clip over the back screws and onto the top of the second course until it lays flat. Tighten the three nuts using the T-wrench to secure the “C9” clip (do not over tighten). See Figure 33.

FIGURE 33

Third course: Place the third course of brick onto the “C9” clip, moving them left or right to get even head joint spacing. Slip a “B9” clip over the back screws and onto the top of the third course until it lays flat. Tighten the three nuts using the T-wrench to secure the “B9” clip (do not over tighten). See figure 34.

FIGURE 34

Fourth course: Place the fourth course of brick onto the “B9” clip, moving them left or right to get even head joint spacing. Slip a “D9” clip over the back screws and onto the top of the fourth course until it lays flat. Tighten the three nuts using the T-wrench to secure the “D9” clip (do not over tighten). See Figure 35.

FIGURE 35

Fifth course: Place the fifth course of brick onto the “D9” clip, moving them left or right to get even head joint spacing. Slip the “E9” clip over the back screws and onto the top of the fifth course until it lays flat. Tighten the three nuts using the T-wrench to secure the “E9” clip. See Figure 36.

FIGURE 36

Sixth course: Place the sixth course of brick onto the “E9” clip, moving them left or right to get even head joint spacing. Slip an “A9” clip over the back screws and onto the top of the sixth course until it lays flat. Tighten the three nuts using the T-wrench to secure the “A9” clip (do not over tighten). See Figure 37.

FIGURE 37

Seventh course: Place the seventh course of brick onto the “A9” clip, moving them left or right to get even head joint spacing. Slip a “B9” clip over the back screws and onto the top of the seventh course until it lays flat. Tighten the three nuts using the T-wrench to secure the “B9” clip (do not over tighten).

Eighth course (PriorFire XLT P-33T Model only): Place the eighth course of brick onto the “B9” clip, moving them left or right to get even head joint spacing. No clip is placed on top of the eighth course back wall brick.

DO NOT GROUT JOINTS IN BACK WALL. THESE ARE THE AIR INLETS THAT SUPPLY OVERFIRE AIR.

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Step 15

Note: before proceeding to the next steps, finish blending the PriorFire Formula 51 Smoke Chamber product to close any gaps between the top of the unit and the chamber wall.

If you are using the PriorFire Stainless Steel Smoke Chamber Dome, then lower the dome on to the PriorFire Retrofit unit and secure it according to instructions included with the Smoke Chamber Dome.

FIGURE 38

Step 16

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After the back and side walls have been assembled, remove front bottom air inlet cross piece if you have not already done so. Set the floor cassette bottom in place with the insulation side down. There are two pieces of insulation under the bottom piece: one 3/8” and one 1/4”. See Figure 38. **Note:** See Diagram 1 for each piece’s location.

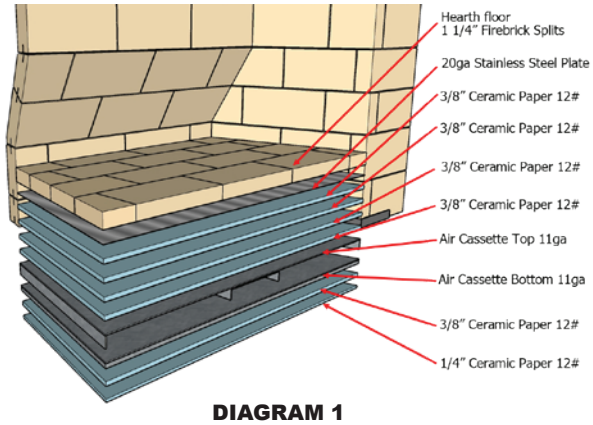

DIAGRAM 1

FIGURE 39

Then install the floor cassette center channel by inserting the tabs into the slits on the bottom floor. See Figure 39.

Step 17

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Assemble the heat dam to the bottom air inlet cross piece.

Place the heat dam assembly on a flat surface with the four studs on the narrow side pointing up. Have the wide face with the eight studs facing you. See Figure 40.

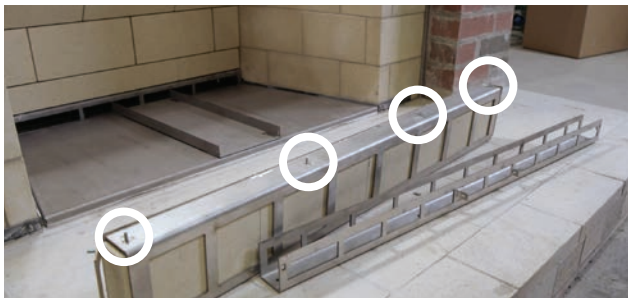

FIGURE 40

Place front bottom air inlet cross piece on top of the heat dam with the back tabs facing away from you. Secure with four 8-32 washer head nuts included using a 11/32” nut driver. See Figure 41.

FIGURE 41

The assembled heat dam is attached to the retrofit at four points: the two studs facing forward on the front of each side wall frame and the center floor channel. See Figure 42.

FIGURE 42

Slide the completed assembly over the studs and secure with two 8-32 washer nuts using an 11/32 nut driver. See Figure 43.

FIGURE 43

Attach the heat dam assembly to floor cassette center channel with two included socket head screws and two 8-32 washer nuts. Use a 11/32” nut driver and 9/64” allen wrench to secure the nuts and bolts. See Figure 44.

FIGURE 44

Step 18

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Install the floor cassette top. Set in place by using the hand holds and place on top of the floor cassette bottom and center channel, making sure it is seated properly, locked in place and level. Use a dead blow hammer to gently tap into place if necessary. See Figure 45.

FIGURE 45

Step 19

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Place the four precut layers of 3/8” ceramic paper over the top of the cassette and place the trapezoid 20 gauge stainless-steel piece on top. See Figure 46.

FIGURE 46

Step 20

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Lay floor brick. Floor brick are to be laid in dry. They are not mortared in place.

The position of the floor brick is shown in Figure 47. Lay the floor brick directly on the ceramic paper according to the Diagram 1, starting with the back course. The completed floor brick should fit tightly inside the unit. See Figure 48.

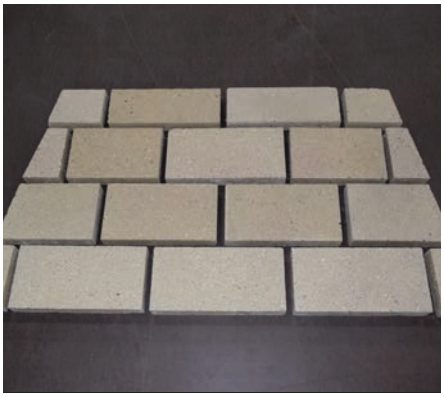

FIGURE 47

FIGURE 48

DIAGRAM 2

Step 21

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Attach the cast iron log retainer.

The cast iron log retainer grill is cast in 4 pieces: 1 short left side piece, 1 long left side piece, 1 short right side piece, and 1 long right side piece.

Attach either side’s short side piece, then the corresponding longer front piece using the 16 cap nuts with 11/32” nut driver. See Figures 49 and 50.

FIGURE 49

FIGURE 50

FIGURE 51 COMPLETED UNIT

Instructions for Use with The PriorFire Smoke Chamber Restoration System

If you chose to address the smoke chamber using the PriorFire Formula 51 Smoke Chamber product, you will install in 3 steps.

Figure 1

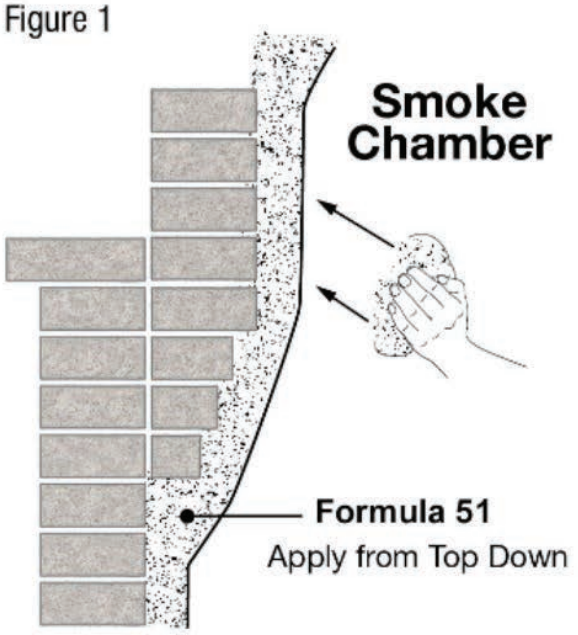
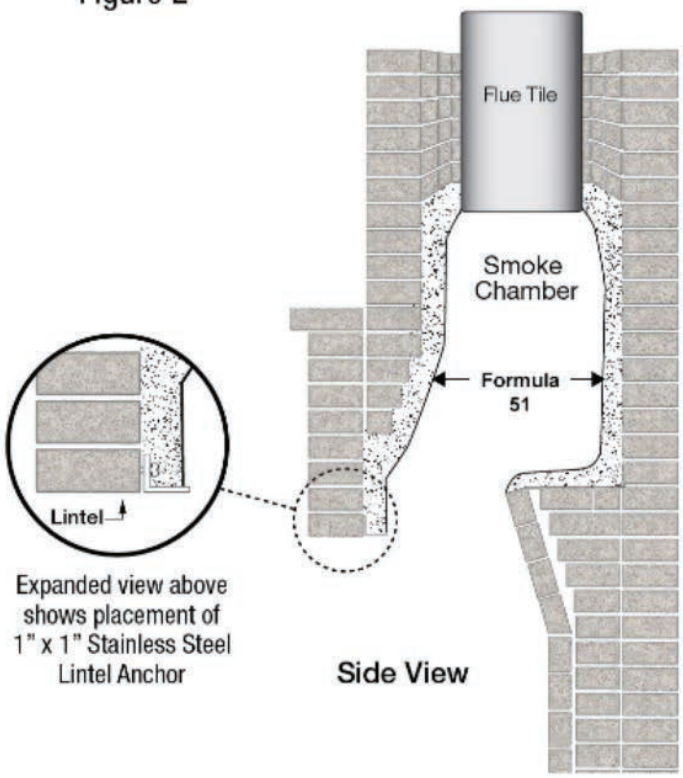


Figure 2



Step 1

Before parge coating the smoke chamber, secure the 27" x 20" 3/8" ceramic paper and 27" x 23" diamond wire lath (placed over the ceramic paper) to the back of the lintel wall. Use a 3/16" masonry drill bit and four ¼" x 1 ¼" Tapcon masonry fasteners or equivalent. The bottom edge of the paper and mesh attached to back of lintel must be approximately 32" from the floor of the firebox. See figures 54 and 55.

*Note: Pictures show attaching paper and mesh to back side of lintel from inside the firebox.

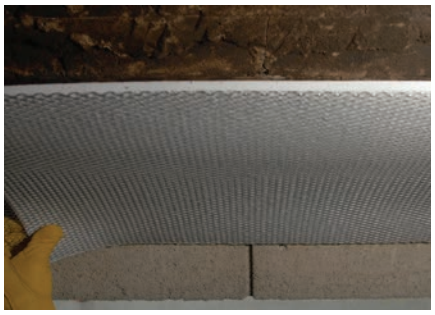


FIGURE 54

FIGURE 55

Step 2

Use and follow the installation and mixing instructions included with PriorFire Formula 51 and parge coat from the chimney liner (or mesh plate if installing a liner) down to approximately 32"-34" from the firebox floor.

Step 3

Go to Step 3 in Section 4 and complete **Steps 3** trough **Steps 15.**

Step 4

Finish blending PriorFire Formula 51 Smoke Chamber product to the back wall and sides of the unit after the bricks have been installed and grouted, and before installing the floor and log retainer grill.

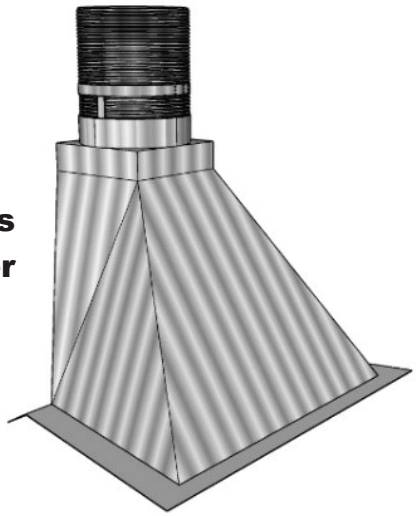
Step 5

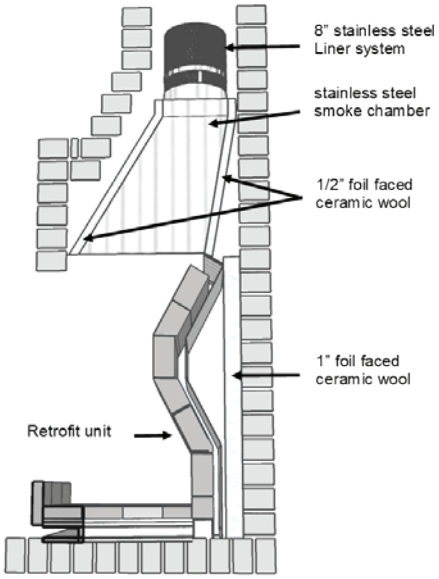
Go to **Step 16** in SECTION 4 and complete through **Steps 21.**

Instructions for Use with Stainless Steel Smoke Chamber

If you chose to use the Stainless Steel Smoke Dome and 8" UL listed chimney liner, it must be partially installed **before** installing the unit.

Stainless Smoke Chamber





Step 1

Remove the existing damper assembly, smoke shelf, and back wall brick to accommodate both the PriorFire Retrofit Unit and stainless steel smoke chamber. Test fit the stainless steel smoke chamber to ensure it fits.

Step 2

Wrap the stainless steel smoke chamber with ½" foil face ceramic wool blanket foil side out. Secure with spray adhesive. Tape seams with foil tape and secure with stainless steel wire.

Step 3

Drop the chimney liner down the flue, low enough to attach the liner to the band clamp on the top of the stainless steel smoke chamber. If wrap insulation is used on the chimney liner, make sure the insulation at the bottom of the liner meets with the insulation at the top of the stainless steel smoke chamber. Cover the joint with aluminum tape and secure with wire.

Step 4

Now that the chimney liner is securely attached to the stainless steel smoke chamber, pull the whole liner with attached smoke chamber assembly up as high as possible and at least 33" above the firebox floor to allow room to assemble and install the PriorFire Retrofit unit. Temporarily secure the liner and smoke chamber assembly in the raised position.

Step 5

Go to **Step 3** in Section 4 and complete **Steps 3** through **Steps 15.**

Step 6

Once the PriorFire Retrofit has been completed through Step 16 of SECTION 4, lower the liner and smoke dome assembly down onto the top of the PriorFire Retrofit and secure the back studs with fender washer and nuts using an 11/32 nut driver.

Step 7

Tightly fill the gap between the stainless steel smoke dome and the top of the PriorFire Retrofit Unit with ceramic wool.

Step 8

Attach side and back 1 ½ "stainless steel trim pieces to the smoke chamber to cover the gap.

Step 9

Go to **Step 16** in SECTION 4 and complete through **Step 21.**

Leave a Copy of the Instructions below with the Homeowner

HOMEOWNER USE AND MAINTENANCE INSTRUCTIONS

Congratulations on choosing The PriorFire Retrofit Fireplace System to upgrade and restore your fireplace. The PriorFire Retrofit Fireplace System is a UL Listed, lab tested, field proven, engineered fireplace. Because of its backwall “wing” shape, low mass materials, and overfire air injection system, it produces 2-3 times more heat, fewer emissions, and a tall “fun to watch” flame as it burns when compared to a traditional masonry fireplace. Please read and follow the use and maintenance instructions below for a lifetime of enjoyment, warmth, and fond family memories around your new fireplace.

1. Installation: The PriorFire Retrofit Fireplace System MUST BE INSTALLED BY A QUALIFIED CHIMNEY PROFESSIONAL in accordance with the INSTALLATION & INSTRUCTION MANUAL. Do not use parts or materials other than those specified in the Installation & Instruction Manual. Have your new fireplace system checked by an authorized representative of the company, or by some other qualified person, such as a certified chimney sweep, at least once annually following initial installation.

2. Product Application: The PriorFire Retrofit Fireplace System is designed to improve, repair, or restore existing masonry fireplaces. It can also be used for new construction. For this product to be a UL listed product at zero-inch clearance to combustibles, the existing fireplace walls, smoke chamber walls and floor must be a minimum of 4” nominal thickness solid masonry units as described in NFPA 211.

3. Initial Firing of the Fireplace: The HeatShield Prior Fire Fireplace System can be used 48 hours after installation is complete. Burn small fires for the first week to cure any refractory mortar used in the fireplace or smoke chamber.

4. Recommended burning and firewood length: For optimum performance, place the wood directly on fireplace floor. Start fires using the “top burn” method – the largest logs on the floor with progressively smaller logs building up, finishing with kindling wood on the top so the fire burns from the top down. Do not use a grate or andirons. To prevent damaging brick, use care when placing logs onto the fire to avoid hitting brick.

5. Creosote, Soot Formation and Need for Removal: When wood is burned slowly, it produces tar and other organic vapors, which combine with expelled moisture to form creosote. The creosote vapors may condense on the inside of the smoke chamber and chimney liner during slow-burn firing periods. As a result, creosote residue accumulates on these interior surfaces. When ignited, this creosote makes an extremely hot fire. The smoke chamber and chimney should be inspected at least once every two months during the heating season to determine if a creosote or soot build up has occurred. If creosote or soot as accumulated, it should be removed to reduce the risk of a chimney fire.

6. Recommended Cleaning: Access to the smoke chamber for proper cleaning can be gained through the fireplace opening. Heatshield Prior Fire Fireplace System smoke chambers should be cleaned with plastic brushes. It is important that the fireplace system be inspected on a regular basis (every two months is recommended if your fuel is wood). For proper cleaning and inspection, we recommend the services of a professional, certified chimney sweep.

NOTE: THE BACK WALL OF THIS UNIT IS NOT GROUTED. THE JOINTS ARE INTENTIONALLY LEFT OPEN TO PROVIDE PRE-HEATED OVER-FIRE AIR FOR MORE COMPLETE COMBUSTION AND REDUCED EMISSIONS.

Cut on dotted line and leave with homeowner

Lifetime Limited Warranty

PriorFire Retrofit Fireplace System

SaverSystems warrants all PriorFire Retrofit Fireplace System to be free from defects in materials that adversely affect fireplace performance for the lifetime of the product from the date of purchase, subject to the terms and conditions of this limited warranty. SaverSystems does not warrant accessories, products, or devices not manufactured by SaverSystems, including but not limited to chimneys, masonry work, and outside air ducts.

This warranty covers only the PriorFire Retrofit Fireplace System, and **NO WARRANTY, EXPRESS OR IMPLIED, EXTENDS TO ANY OF THE HARDWARE, FOUNDATION, VENTING, DUCTS, OR ACCESSORIES USED IN INSTALLING THE PRIORFIRE RETROFIT FIREPLACE SYSTEM OR RELATED TO ITS OPERATION. THIS WARRANTY DOES NOT COVER DRAFTING, SMOKING, OR SOOTING OF THE FIREPLACE SYSTEM.** Factors beyond the manufacturer's control affect drafting, smoking, and sooting, and SaverSystems cannot guarantee these aspects of performance.

Coverage under this warranty is subject to the following conditions and exclusions:

- This warranty is null and void when the PriorFire Retrofit Fireplace System is not installed pursuant to the installation instructions provided by SaverSystems or local building codes have not been followed completely.

- This warranty does not apply to any component or part that shows evidence of misuse, abuse, improper installation, accident, or lack of regular maintenance. SaverSystems is not responsible for misuse or mishandling of component parts.

- This warranty does not apply to any component or part that shows evidence of misuse, abuse, improper installation, accident, or lack of regular maintenance. SaverSystems is not responsible for misuse or mishandling of component parts.

- This warranty does not apply to any damage sustained to the appliance while in transit.

- Neither SaverSystems, nor any affiliate thereof, is responsible for any labor costs or indirect costs incurred for the replacement of defective components. Any covered component that, in our judgment, is defective shall be repaired, replaced, or refunded at SaverSystems' option.

- Nothing in this warranty makes SaverSystems, or any affiliate thereof, liable in any respect for any injury or damage to the building or structure in which the fireplace has been installed or to the persons or property therein arising out of the use, misuse, or installation of properly manufactured SaverSystems products.

- The fireplace must be used in accordance with operating instructions. Grates and andirons must not be installed when using the fireplace.

NEITHER SAVERSYSTEMS, NOR ANY AFFILIATE THEREOF, SHALL BE HELD LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OR EXPENSES ARISING OUT OF THE USE OF THE FIREPLACE. ALL SUCH DAMAGES AND EXPENSES ARE HEREBY EXCLUDED. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

If a component is found to be defective under the terms of this warranty, the party this warranty is extended must notify SaverSystems, 800 S 7th St, Richmond, IN 47374 in writing by registered mail within thirty (30) days following the discovery of the defect or when the defect should have been discovered within the lifetime warranty period. The letter shall include proof of purchase and state the (1) date of purchase, model number and serial number; (2) place of purchase; (3) address of installation; (4) name, address, and phone number of the homeowner; and (5) a brief description of the defect.

This warranty applies only to those fireplaces installed in the continental United States, Alaska, and Canada. If any part of this warranty is found to be unenforceable, the remaining parts shall remain in force and effect.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ALL OTHER WARRANTIES, TERMS OR CONDITIONS, EXPRESS OR IMPLIED EITHER IN FACT OR BY OPERATION OF LAW. SAVERSYSTEMS HEREBY DISCLAIMS ALL GUARANTEES AND WARRANTIES, EXPRESS OR IMPLIED, BEYOND THE WARRANTIES SET FORTH HEREIN, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Revision date: 4/20/2021.

SaverSystems®
Innovative *Solutions* and Coatings

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REGISTER YOUR WARRANTY ONLINE

SCAN ME

saversystems.com/priorfire-warranty