

SERVICE HINTS

CHIMNEY DRAFT

Draft is a function of the chimney, not the stove — do not expect the stove to draw. Smoke spillage into the house or excess buildup of condensation or creosote in the chimney are warnings that the chimney is NOT functioning properly. Correct the problem before using the stove. Following are some possible causes for improper draft.

1. The connector stovepipe may be pushed into the chimney too far, stopping the draft.
2. If the chimney is operating too cool, water will condense in the chimney and run back into the stove. Creosote formation will be rapid and may block the chimney. Operate the stove at a fire level high enough to keep the chimney warm preventing this condensation.
3. If the fire burns well but sometimes creates excessive smoke or burns slowly, it may be caused by the chimney top being lower than another part of the house or a nearby tree. The wind blowing over a house or tree, falls on top of the chimney like water over a dam, beating down the smoke. The top of the chimney should be at least three (3) feet above the roof and be at least two (2) feet higher than any point of the roof within ten (10) feet.

NOTE: A DRAFT READING OF 0.05 TO 0.06 W.C. (WATER COLUMN) IS SUGGESTED FOR PROPER BURNING OF THIS STOVE.

GLASS CARE

The following usage and safety tips should be observed:

1. Inspect the glass regularly for cracks and breaks. If you detect a crack or break, extinguish the fire immediately and contact the manufacturer for a replacement.
2. Do not slam the door or otherwise impact the glass. When closing doors, make sure that logs or other objects do not protrude to impact the glass.
3. Do not build fires against (or that might fall against) the glass.
4. Do not clean the glass with materials that may scratch (or otherwise damage) the glass. Scratches on the glass can develop into cracks or breaks during operation.
5. Never attempt to clean the glass while the unit is hot. If deposits are not very heavy, normal glass cleaners are adequate using a soft, non-abrasive cleaning pad. Heavier deposits may be removed with oven cleaners.

6. Never put substances which can ignite explosively in the unit. Even small explosions in confined areas can blow out the glass.

Gasket and Glass cleaning products are available at local retail home centers. Manufacturers of cleaning products include, A.W. Perkins Co. (www.awperkins.com) or Rutland Products (www.rutland.com).

GLASS REPLACEMENT

CAUTION: REPLACE GLASS ONLY WITH 5MM HIGH TEMPERATURE CERAMIC GLASS OF THE PROPER SIZE. DO NOT USE TEMPERED GLASS OR DOUBLE THICKNESS WINDOW GLASS!

Glass Replacement Procedure:

1. Ensure appliance is not in operation and is thoroughly cooled.
2. Remove screw and glass clip. (See parts list and diagram.)
3. Lift glass out from glass clip.
4. Remove old gasket and clean glass.
5. Replace new gasket starting at the bottom of glass working along edges, being sure to center gasket channel on glass.
6. Trim to length and butt ends together.
7. Replace glass into door, being sure not to overtighten screw and clip.

After extensive use, the gasket material which provides glass and door seal may lose its resiliency and will need to be replaced. Inspect glass and door gaskets periodically to ensure proper seal; if gaskets become frayed or worn, replace immediately.

Door Gasket Replacement Procedure:

1. Ensure appliance is not in operation and is thoroughly cooled.
2. Remove old door gasket and clean channel.
3. Using an approved, high temperature gasket cement, apply a thin coat in bottom of channel.
4. Starting at hinge side of door, work gasket into channel around door unit, end butt and trim to length.
5. Close door and allow three to four hours for cement to set before firing appliance.

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CHIMNEY MAINTENANCE

CREOSOTE – Formation and Removal

When wood is burned slowly, it produces tar and other organic vapors which combine with expelled moisture to form creosote. The creosote vapors condense in the relatively cool chimney flue of a slow-burning fire. As a result, creosote residue accumulates on the flue lining. If ignited, this creosote creates an extremely hot fire which may ignite surrounding materials resulting in a building fire.

The chimney connector and chimney should be inspected (at least) **twice a month** during the heating season to determine if a creosote buildup has occurred.

If creosote has accumulated, it should be removed. Failure to remove creosote may result in ignition and may cause a house/building fire. Creosote may be removed using a chimney brush or other commonly available materials from your local hardware retailer.

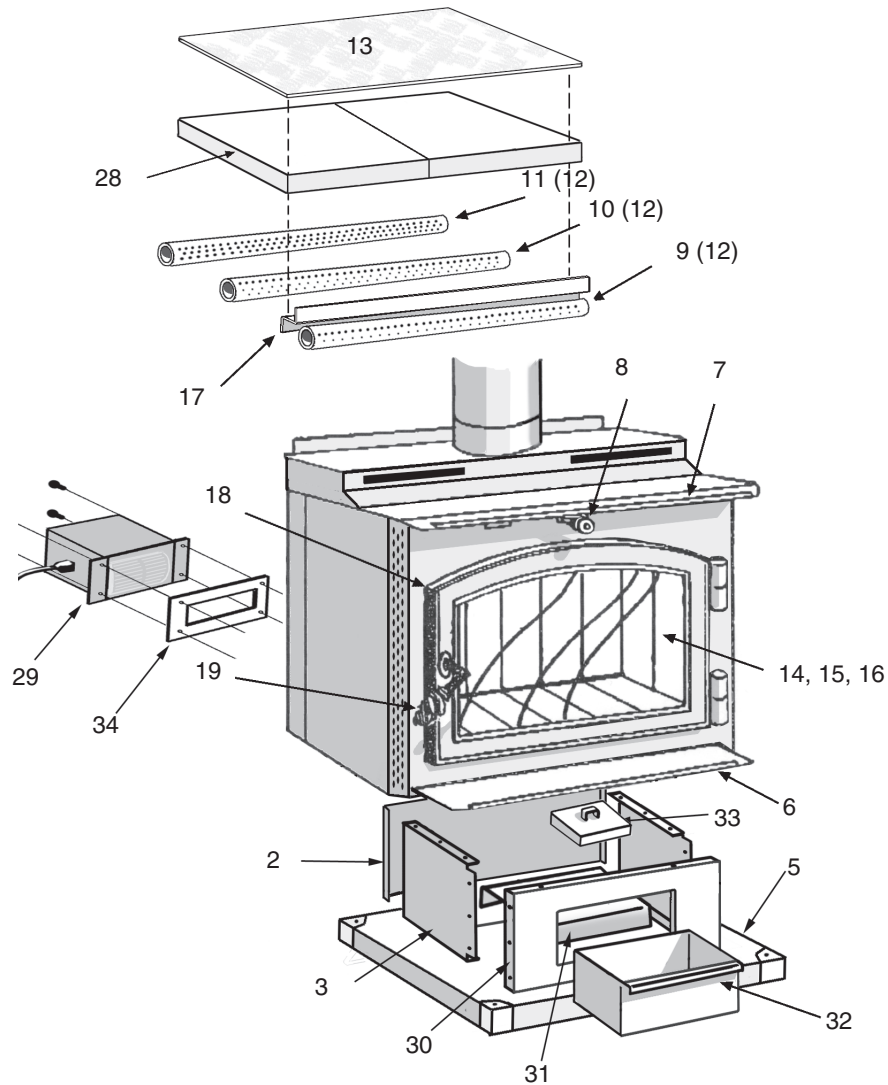
Chimney fires burn very hot. If the unit or chimney connector should glow red, reduce the fire by closing the inlet air control and immediately call the fire department.

CAUTION: A CHIMNEY FIRE MAY CAUSE IGNITION OF WALL STUDS OR RAFTERS WHICH WERE ASSUMED TO BE A SAFE DISTANCE FROM THE CHIMNEY. IF A CHIMNEY FIRE HAS OCCURRED, HAVE YOUR CHIMNEY INSPECTED BY A QUALIFIED EXPERT BEFORE USING AGAIN.

A fire in the firebox may be smothered by pouring a large quantity of coarse salt, baking soda, or cool ashes on top of the fire.

PARTS - TR003X HIGHLANDER HIGH-EFFICIENCY STOVE

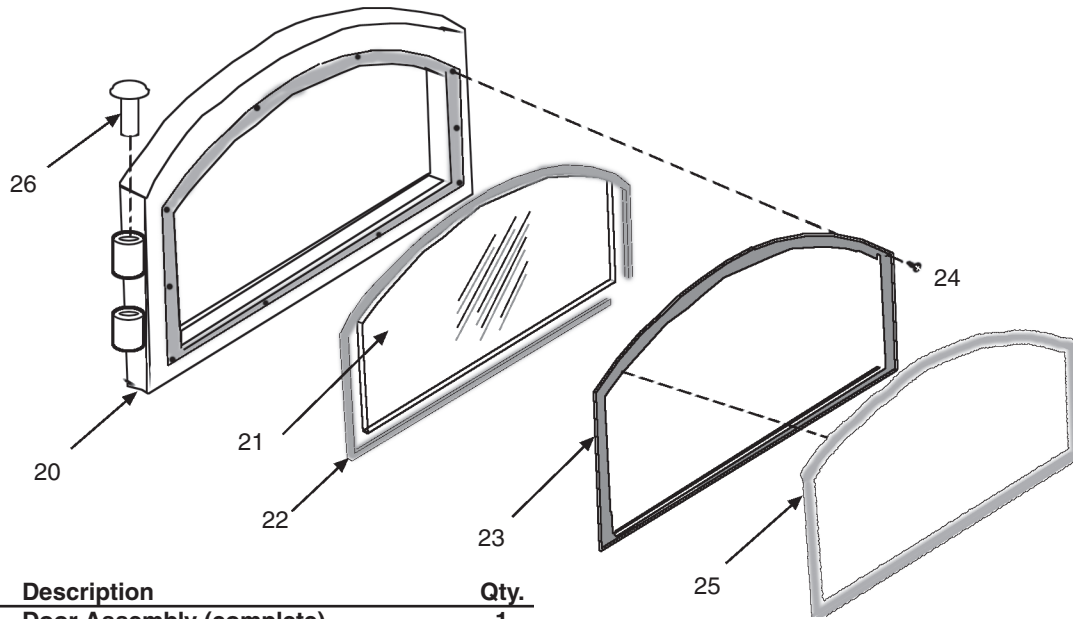
When ordering missing or replacement parts, always give the **Model Number** of the stove, **Part Number**, and **Part Description**. Use the illustrations and part lists provided to identify parts.



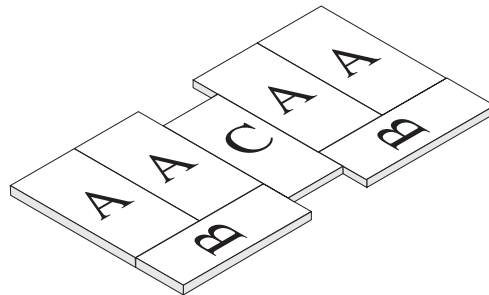
Part No.	Description	Qty.	Part No.	Description	Qty.
2	Pedestal Back.....	1	18	Door Assembly (complete)	1
3	Pedestal Side.....	2	19	Handle Assembly (complete).....	1
5	Pedestal Base.....	1	20	Door Frame.....	1
6	Nickle Trim, Hearth.....	1	21	Door Glass.....	1
7	Nickle Trim, Top Plate.....	1	22	Gasket, Glass.....	1
8	Handle, Slide Draft Spring.....	1	23	Retainer, Glass.....	1
9	Air Tube, Front.....	1	24	Screws, Glass Retainer.....	8
10	Air Tube, Middle.....	1	25	Gasket, Door.....	1
11	Air Tube, Rear.....	1	26	Hinge Pin.....	2
12	Retainer Pins, Air Tube.....	3	27	Hardware Pack (not shown).....	1
13	Ceramic Fiber Pad.....	1	28	C-Cast Fiberboard (9"x9"x 5/8").....	2
14	Fire Brick, A-size (9"x4-1/2"x1-1/4").....	12	29	F-27 Blower Assembly.....	1
15	Fire Brick, B-size (9"x2-3/4"x1-1/4").....	3	30	Pedestal Front.....	1
16	Fire Brick, C-size (9"x3-1/4"x1-1/4").....	2	31	Drawer Slide Support.....	1
17	"Z" Bar, Baffle Support.....	1	32	Drawer.....	1
			33	Ash Plug.....	1
			34	Gasket, F-27 Blower.....	1

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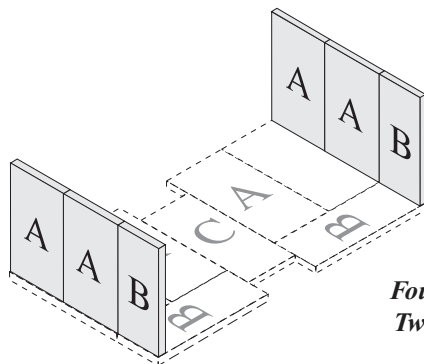


Part No.	Description	Qty.
18	Door Assembly (complete)	1
19	Handle Assembly (complete)	1
20	Door Frame	1
21	Door Glass	1
22	Gasket, Glass	1
23	Retainer, Glass	1
24	Screws, Glass Retainer.....	8
25	Gasket, Door	1
26	Hinge Pin	2



Four (4) A-Size
Two (2) B-Size
One (1) C-Size

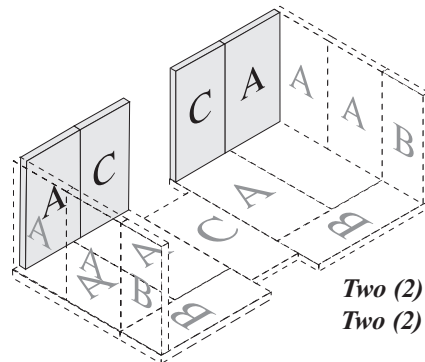
Firebrick - Bottom



Fire Brick Dimensions
A-Size: 9"x4½"x1¼"
B-Size: 9"x2¾"x1¼"
C-Size: 9"x3¼"x1¼"

Four (4) A-Size
Two (2) B-Size

Firebrick - Sides



Two (2) A-Size
Two (2) C-Size

Firebrick - Back