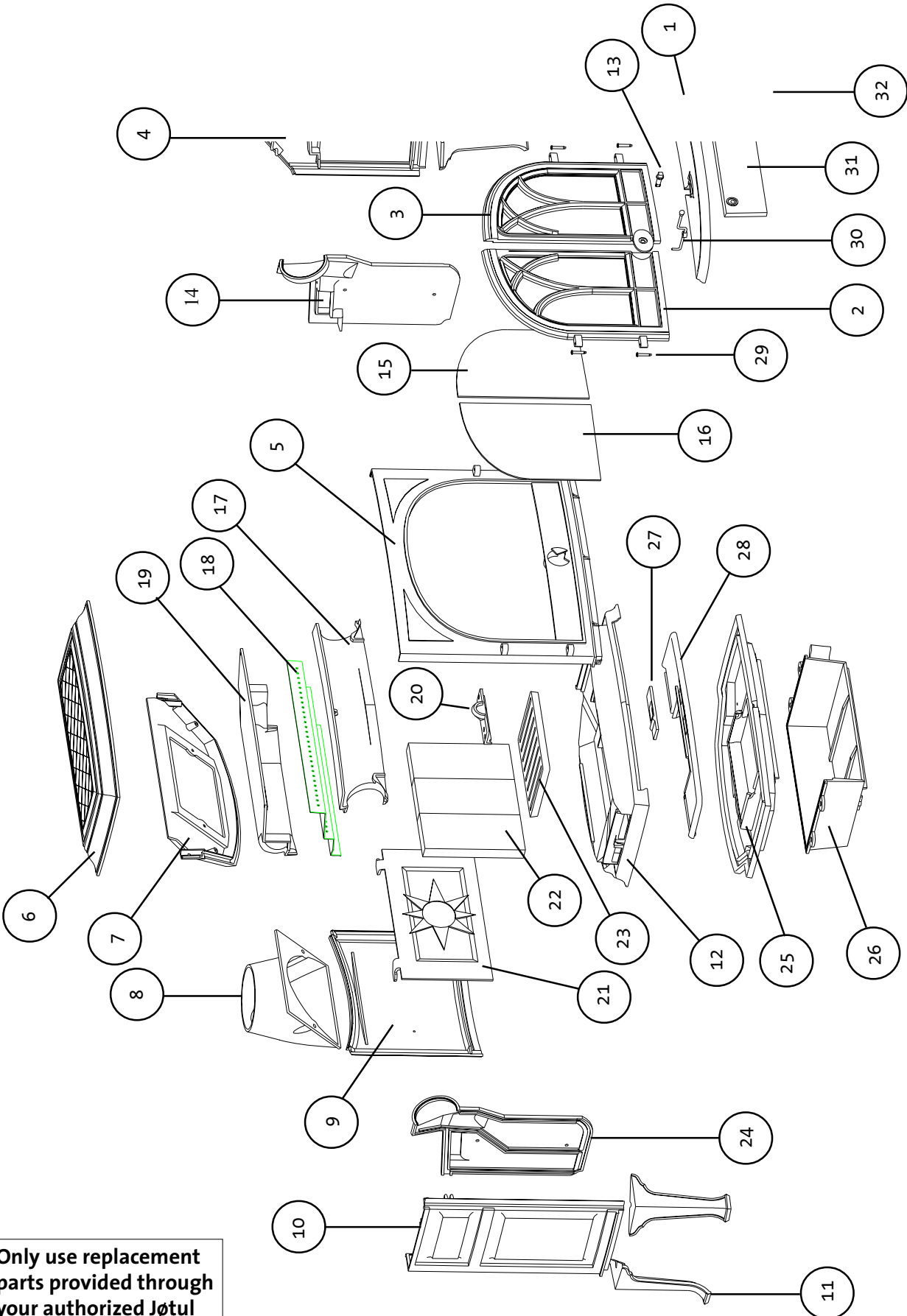


Exploded View of the F 400 Castine



Only use replacement parts provided through your authorized Jøtul dealer.

USA

Parts list for the F 400 Castine woodstove

Consult your dealer for part numbers and replacement parts.

- 1 Ashlip
- 2 Left door
- 3 Right door
- 4 Right side panel
- 5 Front panel
- 6 Top casting
- 7 Upper back panel
- 8 Smoke outlet
- 9 Back panel
- 10 Left side panel
- 11 Leg (long leg)
- 12 Upper bottom panel
- 13 Front door shaft (exterior)
Latch
Nut
Spring
- 14 Right burn plate
- 15 Right glass panel
- 16 Left glass panel
- 17 Air wash manifold
- 18 Top baffle (stainless steel)
- 19 Baffle cover (cast iron)
- 20 Air inspection cover
- 21 Rear burn plate
- 22 Fire brick (3)
- 23 Bottom grate
- 24 Left burn plate
- 25 Lower bottom panel
- 26 Ashpan housing
- * Ashpan
- 27 Air slider/valve
- 28 Air divider
- 29 Door pins
- 30 Air control lever (chrome)
Allen head screw
- 31 Ashpan door
- * Ashpan door pin
- 32 Ash door handle
Loop handle
Set screw
Latch
Spring
Nut
- * Not shown

Appendix A

Alternate floor protection

All floor protection materials must be non-combustible (ie. metal, brick, stone, mineral fiber boards). Any combustible material may not be used.

The easiest means of determining if a proposed alternate floor material meets requirements listed in this manual is to follow this procedure.

R-value = thermal resistance
k-value = thermal conductivity
C-value = thermal conductance

1. Convert the specification to R-value;
 - a. If R-value is given, no conversion is needed.
 - b. If k-value is given with a required thickness (T) in inches: $R=1/k \times T$.
 - c. If C-value is given: $R=1/C$.
2. Determine the R-value of the proposed alternate floor protector.
 - a. Use the formula in Step 1 to convert values not expressed as "R".
 - b. For multiple layers, add R-values of each layer to determine overall R-value.
3. If the overall R-value of the system is greater than the R-value of the specified floor protector, the alternate is acceptable.

EXAMPLE:

The specified floor protector should be 3/4" thick material with a k-factor of 0.84. The proposed alternate is 4" brick with a C-factor of 1.25 over 1/8" mineral board with a k-factor of 0.29.

Step A. Use formula above to convert specifications to R-value. $R=1/k \times T$
 $T=1/.84 \times .75 = .893$

Step B. Calculate R of proposed system.
4" brick of C-1.25, therefore $R \text{ brick} = 1/C = 1/1.25 = 0.80$.
1/8" mineral board of $k = 0.29$ therefore
 $R \text{ mineral board} = 1/.29 \times 0.125 = 0.431$

Total R = R brick + R mineral board=
 $0.8 + 0.431=1.231$

Step C. Compare proposed system R = 1.231 to specified R of 0.893. Since R is greater than required, the system is acceptable.

Definitions:

Thermal conductance =

$$C = \frac{\text{Btu}}{(\text{hr})(\text{ft}^2)(\text{F})} = \frac{W}{(\text{m}^2)(\text{K})}$$

Thermal conductivity =

$$k = \frac{\text{Btu}}{(\text{hr})(\text{ft}^2)(\text{F})} = \frac{W}{(\text{m}^2)(\text{K})} = \frac{(\text{Btu})}{(\text{hr})(\text{ft})(\text{F})}$$

Thermal resistance=

$$R = \frac{\text{Btu}}{(\text{hr})(\text{ft}^2)(\text{F})} = \frac{(\text{m}^2)(\text{K})}{W} = \frac{(\text{Btu})(\text{inch})}{(\text{hr})(\text{ft}^2)(\text{F})}$$

THE JØTUL F 400 CASTINE WOODSTOVE REQUIRES FLOOR PROTECTION WITH A MINIMUM INSULATING R VALUE OF 0.5.

ALCOVE INSTALLATION REQUIRE A MINIMUM R VALUE OF 1.6. (IF A UL/ ULC or WHI LISTED HEARTH PAD IS NOT USED.)