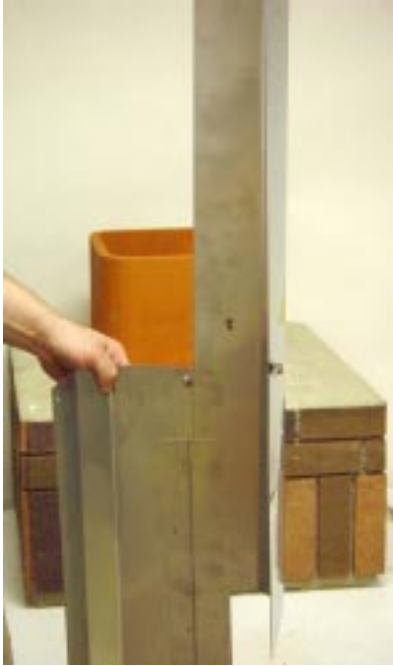


Extend-a-Flue



Pre-Assembly (note: best done before climbing on chimney/roof/ladder)

1. Assemble two halves of outside painted cowl using provided screws and nuts. Tighten nuts.

2. Assemble 4 sections of stainless interior sleeve, placing the "tongue" from the shorter section into the "groove" in the wider section. The best method is often to slip one section down into another as shown. The last section may take some care to properly place. If needed, use a small piece of sheet metal or flat tool to separate the groove further to allow easy assembly.

Line up holes near top edge and insert 10-32 stainless screws from the inside. Place a washer and 10-32 nut over the outside and tighten using allen key and pliers or wrench.



3. Assemble expansion mechanism as shown on Page 3 of this manual.

4. If you have previously measured the flue interior dimensions, use the expansion screws located on the outside of the liner to expand the assembly to approx 1/4" less than the flue interior.

Installation

1. Insert the 4-piece liner assembly into the flue and carefully lower it until the expansion mechanism rests upon the top of the flue tile. The liner should then be temporarily supported.

2. Using a phillips screwdriver, turn the expansion screws clockwise - spreading the mechanism until you feel the liner contact the inner walls of the flue - do not overtightened at this point!



3. Lift interior assembly until top of assembly is approx 31" above the top of the chimney crown (NOT the flue, the chimney surface where the outside cowl will rest).

Support the liner assembly by propping wood or metal blocks or spacers under at least two opposite sides of the expansion mechanism.

4. Turn expansion nuts clockwise until unit expands as much as



possible inside the flue. You should be able to **remove the shims** at this point and the unit should remain in place (test first by determining if you can easily lift assembly). Make certain inner liner is approx level.

Optional - use silicone caulk or furnace cement to seal between the flue and the liner.

5. Place the 4 stays at the corners of the flue tile as shown. Note, if your flue extends 4" or more from the chimney crown, these may need to be bent down to properly contact the outer cowl.



Optional: If insulation is included, wrap insulation around pipe and fasten using instructions packed with insulation.

6. Lift preassembled cover over liner assembly and position tabs on inside of stainless liner. Install 10-32 stainless machine screw into weld nut and tighten using provided allen key.

7. Install top cover with tabs lining up 90 degrees away from tabs on cowl.

Push down on top cover and line up slots in cover tab with weld nuts. Insert 10-32 machine screws (2) and tighten. Tabs on diagonals of top cover

can be bent inwards or outwards to allow the best alignment of top cover over stainless liner top edge.

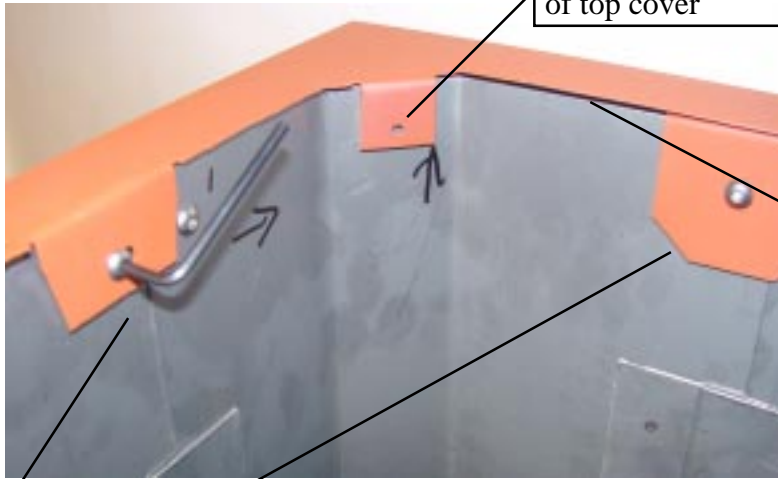


8. Gently push entire assembly down so that outside cowl contacts chimney crown. (you can optionally caulk this joint)

9. Use included RTV silicone to seal any gaps between top cover and liner edge.

10. Install cap by placing over top cover and tightening screws against cover. Do not overtighten.





Can be bent in or out to assure proper position of top cover

Caulk with Hi-Temp Silicone (included) when finished. Optionally,, you can place a bead of silicone under top cap near inner edge before installation of top cover.

Note: top cover tabs should be 90 degrees offset from Cowl Tabs



Completed Installation



Expansion Mechanism Assembly

1. Insert long phillips screw through threaded hole in expansion bracket as shown - thread 10-32 nut onto phillips screw so that the nut is in-between the two brackets as shown.
2. Tighten the phillips screw until the head contacts the bracket as shown above. As you tighten it, direct it through the larger hole in the other bracket.
3. The nut can then be used to expand or contract the assembly.

Joint can be caulked if desired