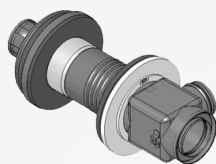


Before installation check for damage (do not install any damaged items), check all components have been supplied, and read these instructions to get an overview of the steps required before starting.

To suit the following Rinnai Energysaver direct mushroom flue kits:

- **ES mushroom flue AA**
75-115 mm (R1350)
- **ES mushroom A**
115-240 mm (R1351)



Wall penetrations

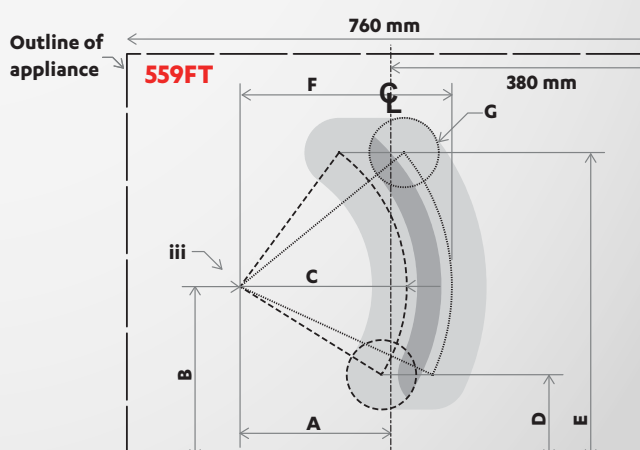
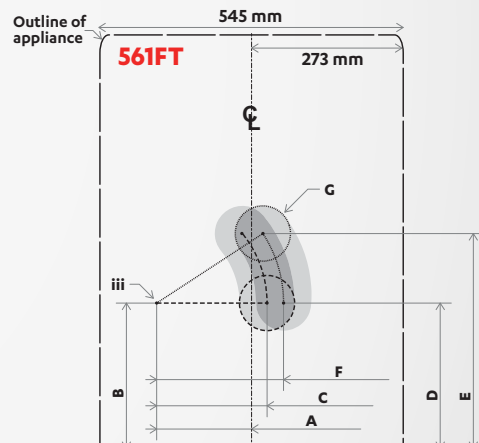
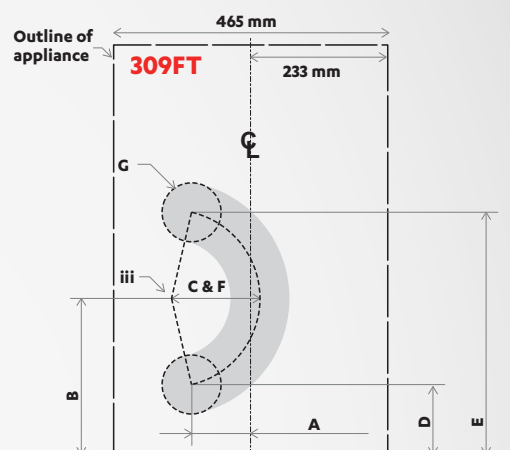
Ensure there are no wall studs, noggins, wiring, or other obstructions within the wall cavity where the flue is to penetrate. The centre of the hole for the flue manifold must only be drilled in the position indicated in the penetration arc diagrams detailed on this page.

For weatherboard walls, drill through the centre of the weatherboard from the outside, then drill from the inside through the plaster board.

IMPORTANT

The 309FT has a fixed length (non-telescopic) flue elbow—accurate marking of the penetration arc and associated area is critical.

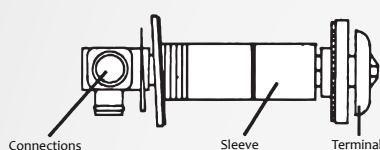
	309FT	559FT	561FT
All dimensions are in mm.			
iii Arc axis (axis point of flue elbow)	-	-	-
A Horiz. distance from CL to arc centre	132	207	172
B Vert. distance from base to arc centre	265	247	267
C Minimum horiz. limit of arc	150	240	200
D Minimum vert. limit of arc	120	120	267
E Maximum vert. limit of arc	410	440	393
F Maximum horiz. limit of arc	150	305	230
G Penetration diameter	80	80	80



Sleeve and manifold installation

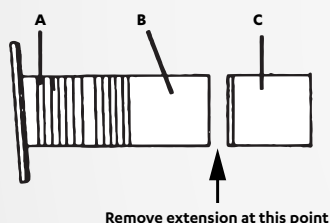
1. Disassemble manifold

The flue consists of three parts; sleeve, inside connectors and tube, and terminal. Disassemble by pulling hard on the terminal and inner connections, then pull the sleeve off the outer terminal.



2. Remove flue extension

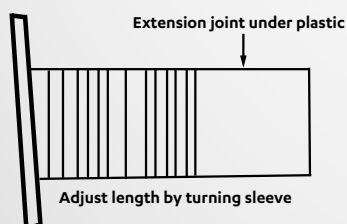
The flue extension (C) for A/AA flues needs to be removed. Cut the plastic and remove the extension.



3. Adjust sleeve length

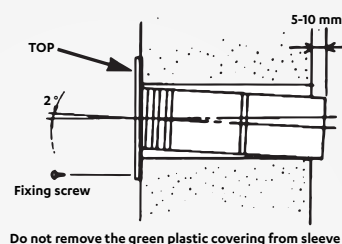
Measure the wall thickness through drilled hole.

Adjust the sleeve length so it protrudes 5-10 mm from the outside wall.



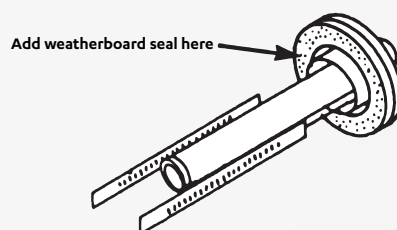
4. Fix sleeve

Fix the sleeve to the wall using the three screws provided. The flange is marked TOP. The sleeve must be fitted with this mark up. Check sleeve protrudes 5-10 mm on the outside.



5. Add rubber seal

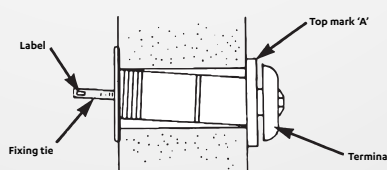
Check the rubber seal is in place on the terminal. For weatherboard walls, add the spare rubber seal provided to compensate for the weatherboard angle.



6. Install terminal

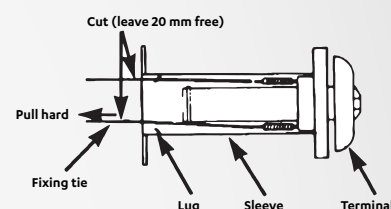
From the outside insert the terminal into the sleeve with the 'A' mark at the top.

The left hand fixing tie is marked 'LEFT' (from the inside).



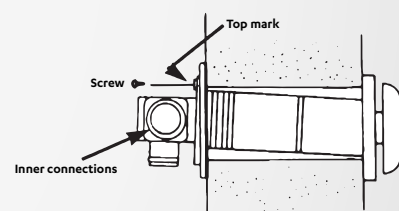
7. Attach ties

Pull hard on the left and right hand ties, clip ties over the lugs inside the sleeve. You should be able to pull the ties two or three slots past the starting point. Cut the ties approx. 20 mm past the lugs and bend so they are parallel with the wall.



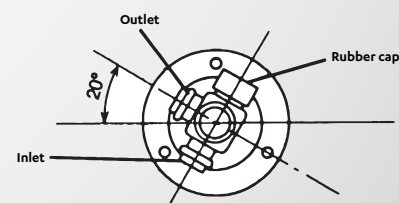
8. Insert inner connection

Push the inner connection assembly into the terminal tube. Ensure correct positioning (refer 'Top' mark). Fix with the three screws provided.



9. Adjust manifold

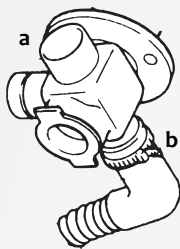
Adjust the manifold as required. The manifold can still be turned after attaching.



Fitting the unit - 309FT Energysaver

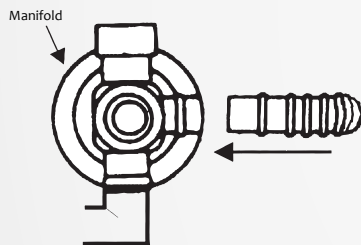
1. Attach the air inlet hose

Attach the air inlet hose to the flue manifold on the a or b inlet position. The unused inlet is plugged with the rubber cap supplied.



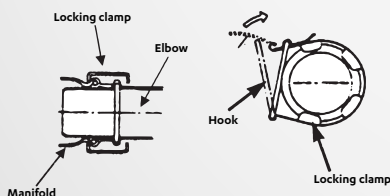
2. Connect the flue elbow

Connect the flue elbow to the manifold by moving the appliance into position.



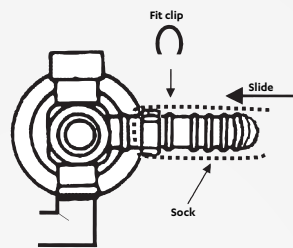
3. Fit the locking clamp

Fit the locking clamp over the connection between the flue elbow and the manifold. Engage the hook and rotate it until it snaps against the body of the clamp.



4. Fit the insulation sleeve

Slide the insulation sleeve up to the flue manifold and slip the securing clip over the sleeve as shown.

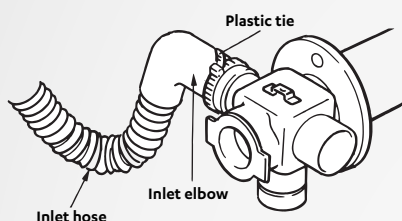


Return to the Energysaver operation and installation manual for remaining instructions on how to install the Energysaver.

Fitting the unit - 559FT and 561FT Energysaver

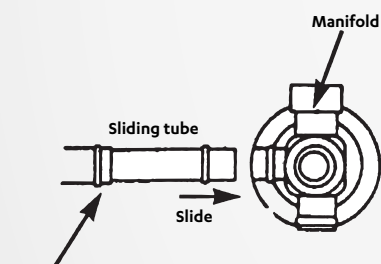
1. Attach the air inlet hose

Attach the air inlet hose to the flue manifold on the a or b inlet position. The unused inlet is plugged with the rubber cap supplied.



2. Connect the flue outlet

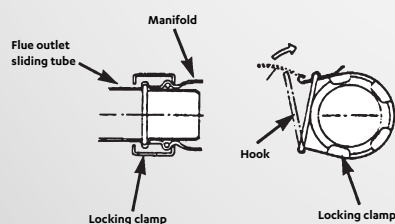
The remaining steps can be completed by reaching down the rear of the appliance as it is positioned against the wall. Connect the flue outlet to the manifold by extending the stainless steel tube until it is fully inserted into the manifold.



Do not extend flue tube beyond red line

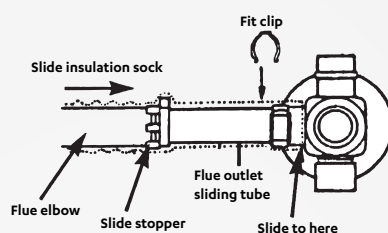
3. Fit the locking clamp

Fit the locking clamp over the connection between the sliding tube and the manifold. Engage the hook and rotate it until it snaps against the body of the clamp.



4. Fit the insulation sleeve

Slide the insulation sleeve up to the flue manifold and slip the securing clip over the sleeve as shown.



Return to the Energysaver operation and installation manual for remaining instructions on how to install the Energysaver.