

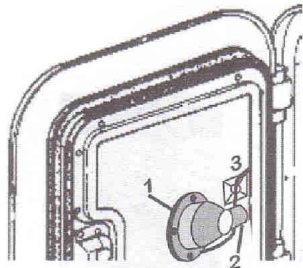
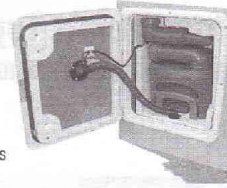
**Important:**

Follow these installation instructions and do not experiment with alternatives.

*Identify location of hole for vent*

Precise location is only required if the waste tank sits a long way towards the front of the service compartment as shown on the drawing. This is to ensure that the service hatch closes properly (especially also with toilets having an additional water tank). If there is more room the extractor can be located a little higher.

To locate the precise position place a (flat) ruler on the waste tank (1) and then close the service hatch until it contacts the ruler and mark the lower point with a pencil. From this point measure and mark a point 20 mm above and about 110 mm from the inner frame towards the centre. Drill the hole in the hatch with a core drill or hole saw: 36-37 mm diameter



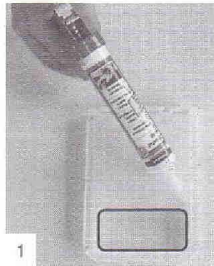
*Fitting the extractor*

Careful SEALING is essential to prevent odours penetrating into the service compartment through gaps and then into the vehicle:

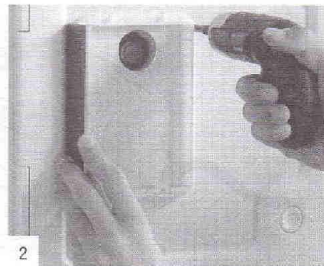
Apply silicone to the hole; if there are two sheets of metal on top of each other on the outside of the service hatch they must be well sealed at the hole. Insert extractor (1), hose connector (2) must point slightly upward and always towards the hinged side of the door. Fasten extractor with the 4 x 3.5 x 16 mm screws.

Fit cable holder (3) (to prevent strain on the cable) above the extractor.

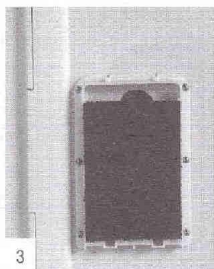
*Installation of Filter Casing*



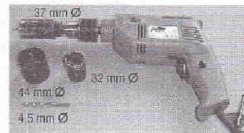
Apply a line of silicon caulking to the back side of the filter casing around the fan discharge opening



The filter casing must be installed at least 5mm from the door frame. Hold 5 mm of flats between the door frame and the filter casing as an assembly support. Insert and tighten screws, 3.5 x 16 VA, without pre-drilling into aluminum sheet. Apply a line of silicon caulking to the back side of the filter casing around the fan discharge opening.

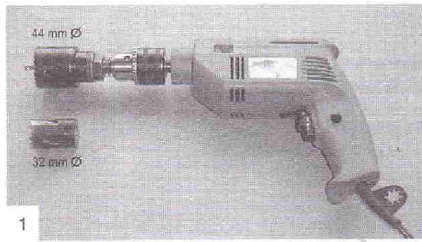


Insert filter into designated setting

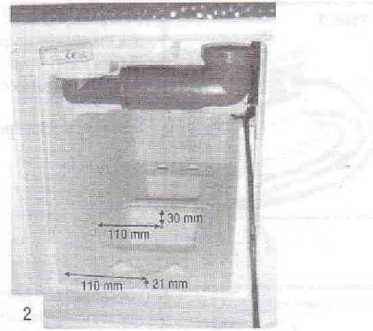


Place cover plate on top Pull lower section forward slightly. Push cover plate from top to bottom and snap into place. Insert screws and tighten slightly while pressing on cover plate.





To drill the holes for the vent pipe a hole saw with a diameter of 42 mm is required.  
For the oval adaptor a 32 mm hole saw. Use a 220V drill as the shorter grip will make it easier to use.



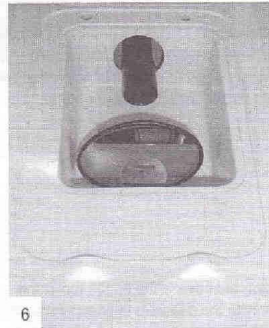
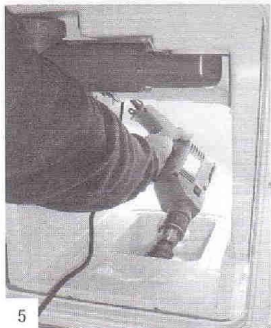
Mark the holes to be drilled as in the illustration.



Place the centre drill on the marked location and drill a 42 mm hole into the first cavity.



Hold the drill so that the second hole is not drilled too deeply and drill into the second cavity parallel with the first hole.



**Caution:**

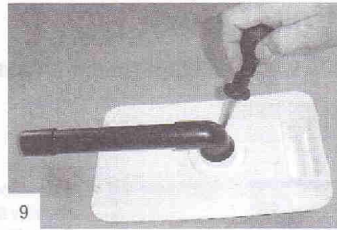
- ⑤ Drill the hole for connecting the hose in the first cavity in the same way. When drilling through do not allow the hole saw to penetrate too far as a *heating pipe* could be run here
- ⑥ Use a mirror to look through the drilled hole to check for presence of cables or heating pipes and relocate these underneath if necessary.
- ⑦ Drill the hole for the oval adaptor with the 32 mm hole saw at the point marked. *Caution:* again ensure that the hole saw does not penetrate too far (*cables, heating pipes*).



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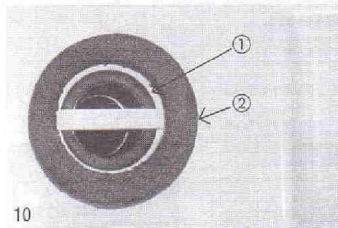
Insert the vent pipe with rubber seal into the hole as far as it will go.

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Pull the rubber seal upwards with a screw driver. The rubber seal must fit evenly with the rim of the casing (1). Locate vent pipe horizontally with the cover plate.



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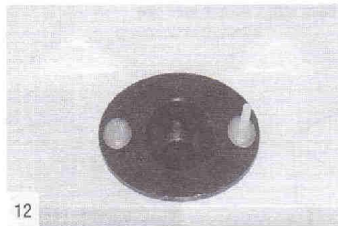
Remove the protective film from the 10 mm plastic sealing ring and fix it into the groove on the cover plate.

*If there is already a seal from the Thetford exterior ventilator, it is essential that it is replaced with the SOG seal.*



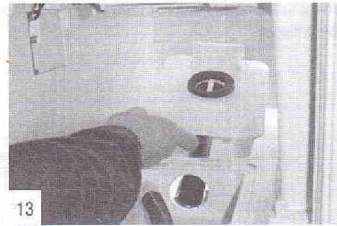
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Insert the oval adaptor with hose into the drilled hole and insert the hose into the cavity.



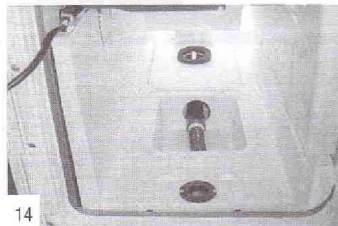
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Drill the preset holes in the oval adaptor with a 5 mm drill and fasten with the expanding rivets.



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Replace the cover plate with vent pipe in the service compartment.



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Insert hose with connector into the vent pipe and connect together.

#### Adjusting the vent hose

Insert the hose into the oval adaptor and trim to the required length (must not be too long).

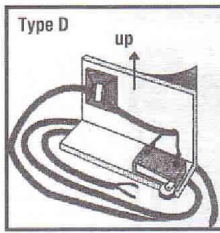


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#### For toilets with a separate fresh water tank:

The hose must run beneath the swivel filling nozzle to enable the service hatch to close.

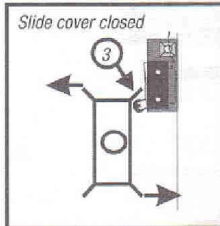
Then pull hose out of the oval adaptor again and turn anticlockwise onto the extractor body. Hose may not be fastened with cable clamp or similar as this would cause damage to the extractor body. Close service hatch and ensure that hose does not foul other components. Before the cassette is taken out the hose must be disconnected at the oval adaptor in the service compartment.



**Install wiring:**

Fix the aluminium bracket:  
 Before fixing, clean the bonding area on the plastic surface with alcohol.  
 The bracket surface with the adhesive film must be fixed pointing upwards.

Remove backing from adhesive film and fix the bracket with the microswitch.



The aluminium bracket must be fixed in such a way that the microswitch roller (3) is located just in front of the angle on the slide cover.

**NOTE:** When the switch is pressed the current is off so that the extractor is only switched on when the slide cover is open.

**Running cable:**

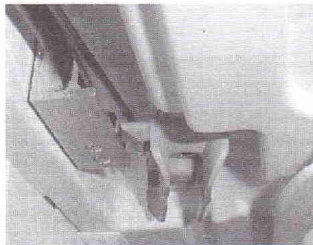
Trim cable to required length and secure with the self-adhesive cable holder supplied.  
 Locate and identify "plus" and "minus" wires in the service compartment by the colours red and black.  
 Normally red is "plus" and black is "earth" (but check polarity). Connect wires using the supplied branch connectors (red, red wire in the cable to "red", black wire in the cable to "black"). Connect the other end of the wires to the extractor following the same colour coding.



**CAUTION:**

The extractor does not have a blocking diode (no protection for connection the wrong way round) and if plus and minus were reversed would turn in the wrong direction and therefore provide no extraction. Therefore check extraction is functioning.

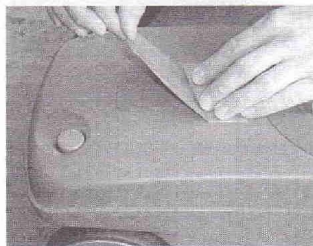
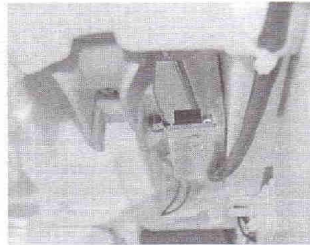
View of service compartment with slide cover on left.



**Functional test - test electrical connection**

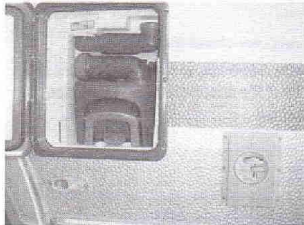
Switch on extractor by opening slide cover in the vehicle.  
 The extractor should now be running. If it does not run check that the 12V vehicle supply is on. In various types of vehicle the toilet is connected to the water pump. Switch on water pump.

View of service compartment with slide cover on right.



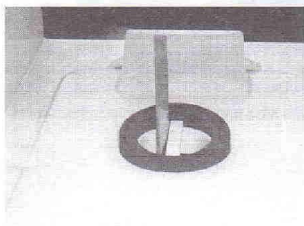
Stick down the cover plate on the top of the cassette with the adhesive tape supplied. Clean the bonding surface beforehand with alcohol.

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**Additional sheet type D**  
(for C-400 without compartment for sanitary liquids)

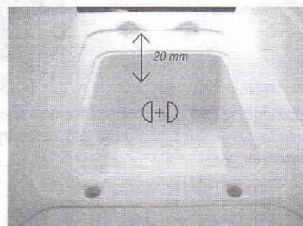


In the models C-400 without compartment for sanitary liquids (compartment height 20 mm), assembly through the service door is not possible. The ventilator and filter housing must be installed on the side wall. Furthermore, there is also the option of using a roof ventilation. In the event that the service door is located on the awning side, this installation is recommended.

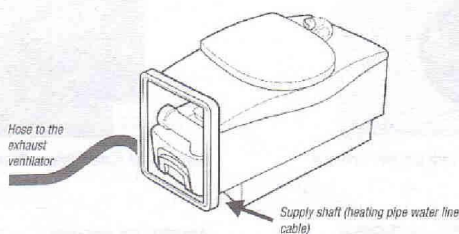
Define the positioning of the ventilator before assembly: behind the washroom on the toilet side, e.g. in the cupboard or the drawer under the bed.



Use the aperture in the cover plate to mark the hole to be drilled with pencil.



Mark the centre and drill through the base with a 46 mm hole saw.



Insert the extractor hose into the hole and run it out towards the front at the side of the supply duct (heating pipe, water pipe, cable).



Insert the hose connector from below into the cover plate. Fit the extractor hose and replace the cover plate. For further instructions refer to roof ventilation.