

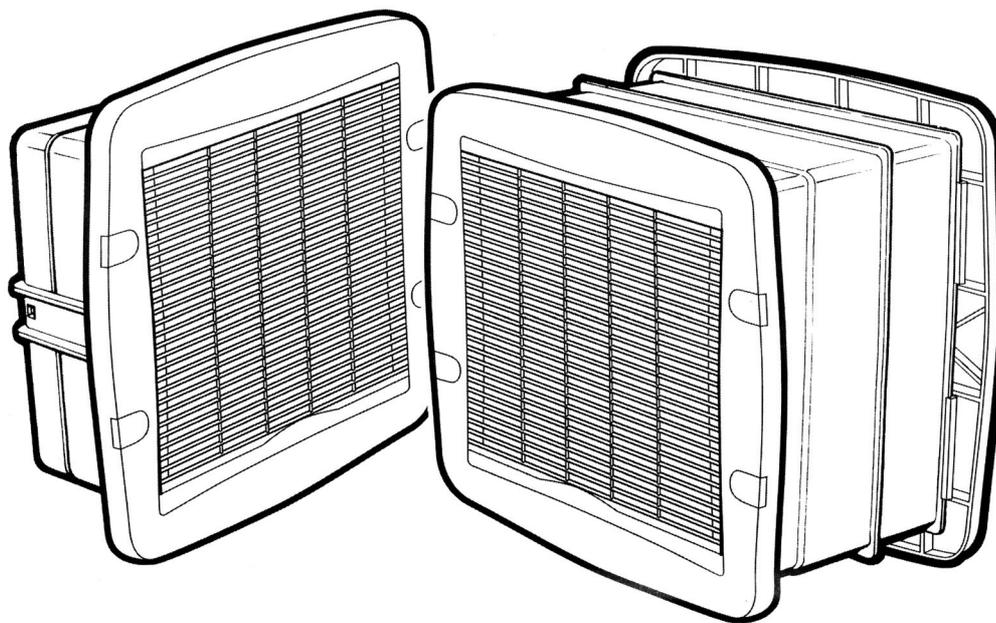
Vent-Axia[®]

LoWatt

T-SERIES

Wall & Panel Models

Installation, Set-up and Operating Instructions



Stock Ref. Nos.

WIRED

456166A (9" WL)
456167A (9" PL)
456174A (12" WL)
456175A (12" PL)

WIRELESS

456170A (9" WL)
456171A (9" PL)
456178A (12" WL)
456179A (12" PL)

230V/1/50Hz

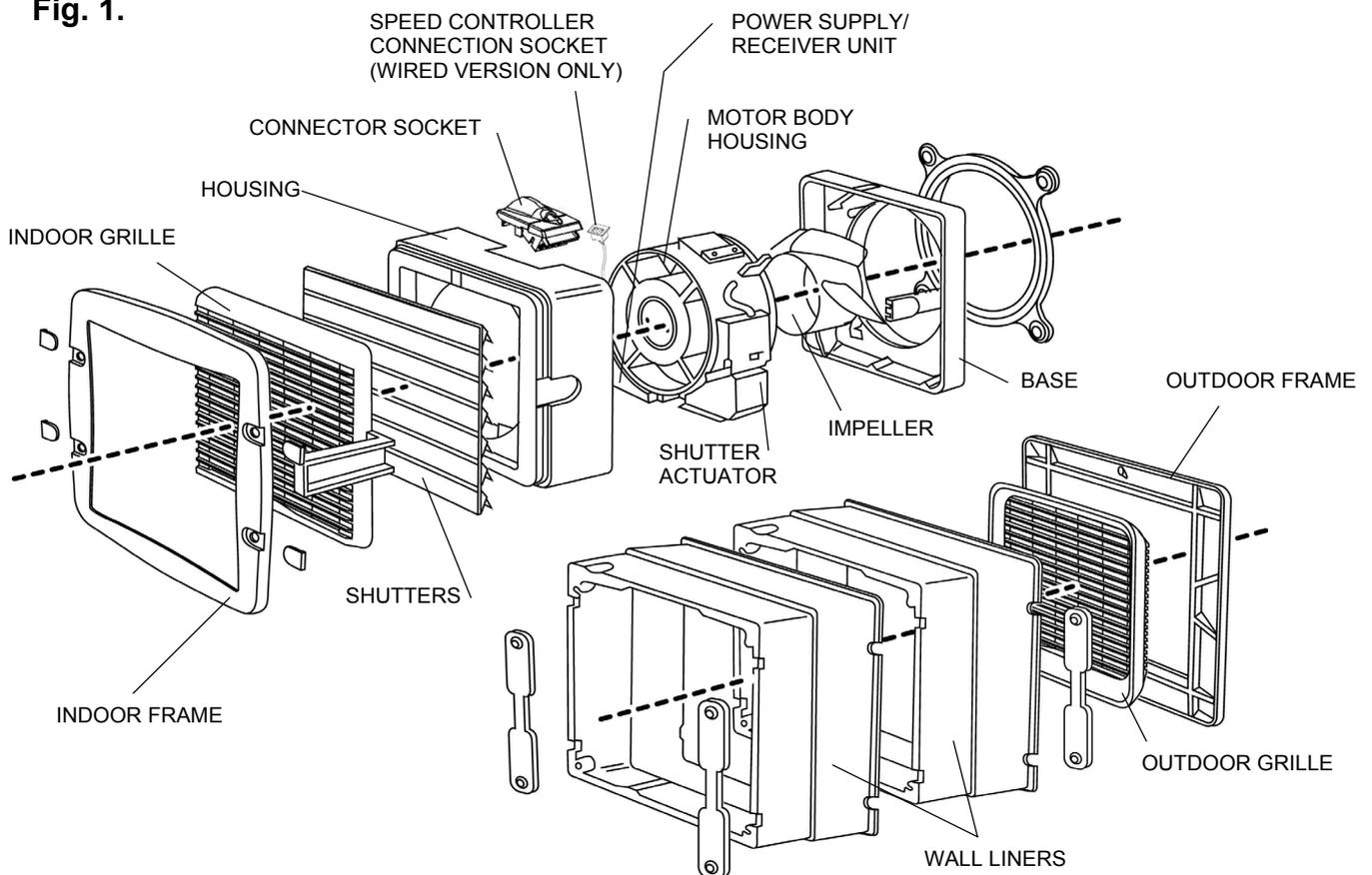
*READ INSTRUCTIONS IN CONJUNCTION WITH ILLUSTRATIONS
READ AND SAVE THESE INSTRUCTIONS*

READ INSTRUCTIONS IN CONJUNCTION WITH THE ILLUSTRATIONS

IMPORTANT

1. THE FAN MUST BE SITED AND CONNECTED IN ACCORDANCE WITH CURRENT IEE REGULATIONS (UK) OR THE APPROPRIATE STANDARDS IN YOUR COUNTRY.
2. THIS APPLIANCE IS NOT SUITABLE FOR INSTALLATION IN A SHOWER CUBICLE OR ENCLOSURE AND MUST BE SITED AWAY FROM ANY SOURCE OF WATER SPRAY, AND MUST BE OUT OF REACH OF A PERSON USING A FIXED BATH OR SHOWER.
3. SITE AWAY FROM DIRECT SOURCES OF HEAT IN EXCESS OF 50°C OR LESS THAN -10°C.
4. WHEN THE FAN IS INSTALLED IN A ROOM CONTAINING A FUEL BURNING APPLIANCE, THE INSTALLER MUST ENSURE THAT AIR REPLACEMENT IS ADEQUATE FOR BOTH THE FAN AND THE FUEL BURNING APPLIANCE.
5. IF THE FAN CAN BE USED TO SUPPLY AIR INTO THE ROOM THE INSTALLER MUST ENSURE THAT THE FAN INTAKE IS LOCATED AT LEAST 600mm AWAY FROM ANY FLUE OUTLET.
6. IT IS RECOMMENDED THAT THE CONNECTION TO THE CONNECTOR SOCKET BE MADE WITH FLEXIBLE CABLE FOR EASY MAINTENANCE.
7. WIRING SHOULD BE VIA A SWITCHED SPUR WITH A 3 AMP FUSE (UK ONLY).
8. DOUBLE POLE SWITCH WITH A MINIMUM CONTACT SEPARATION OF 3MM OR PLUG AND SOCKET SHOULD BE LOCATED OUTSIDE THE ROOM CONTAINING A FIXED BATH OR SHOWER.
9. THIS APPLIANCE MUST BE EARTHED.
10. READ THESE INSTRUCTIONS FULLY BEFORE COMMENCING INSTALLATION.
11. THE APPLIANCE IS NOT INTENDED FOR USE BY YOUNG CHILDREN OR INFIRM PERSONS WITHOUT SUPERVISION.
12. YOUNG CHILDREN SHOULD BE SUPERVISED TO ENSURE THAT THEY DO NOT PLAY WITH THE APPLIANCE.

Fig. 1.



FAN DIMENSIONS

Before commencing work, study the tables shown in figures **C1/ C2 – WALL INSTALLATION** and **C3/ 4 – PANEL INSTALLATION** to ensure fan will fit in position proposed.

- The Wall Fan is suitable for installation in walls between 240mm to 315mm thick, using the two wall liner sections provided. Further wall liner sections are available as an accessory in 150mm modules.

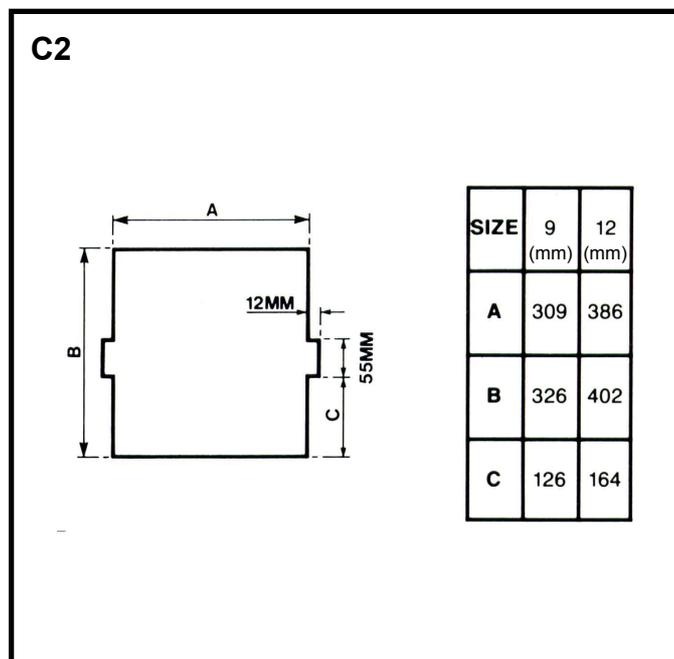
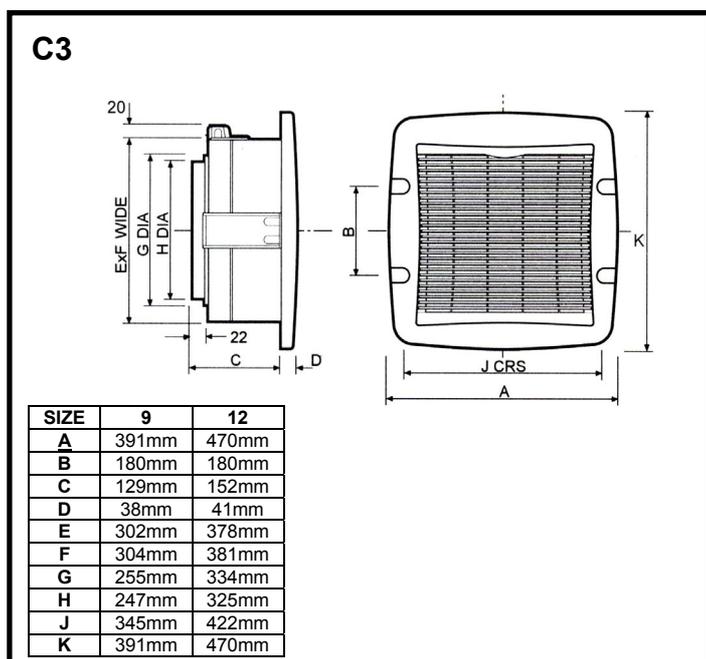
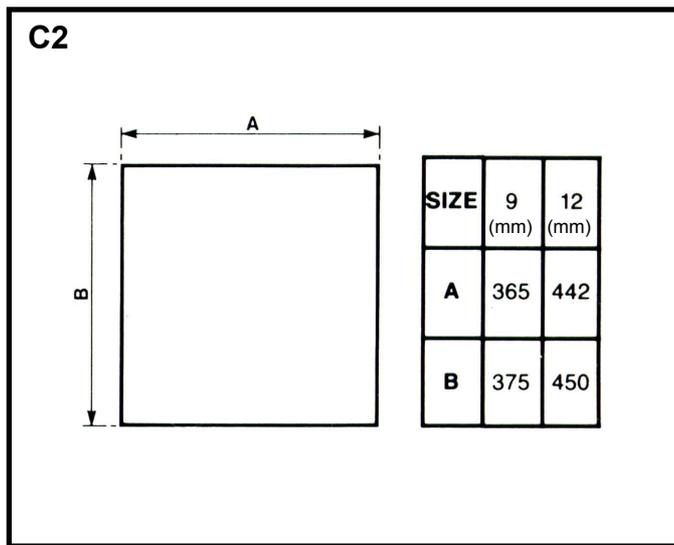
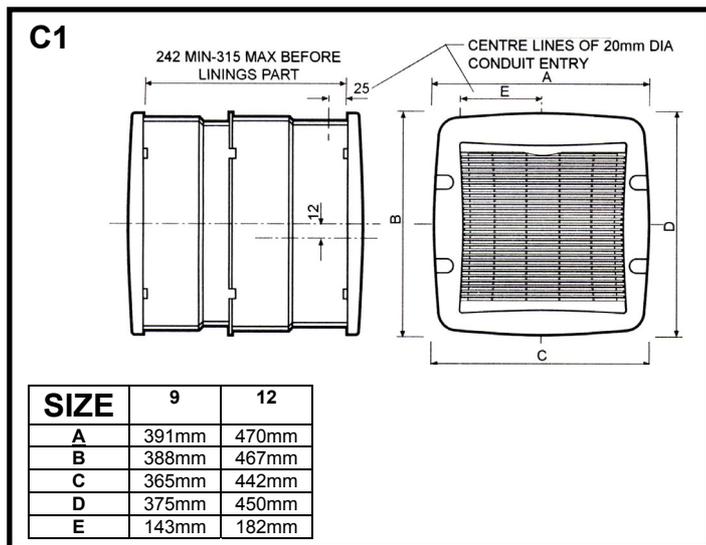
WALL LINER INSTALLATION

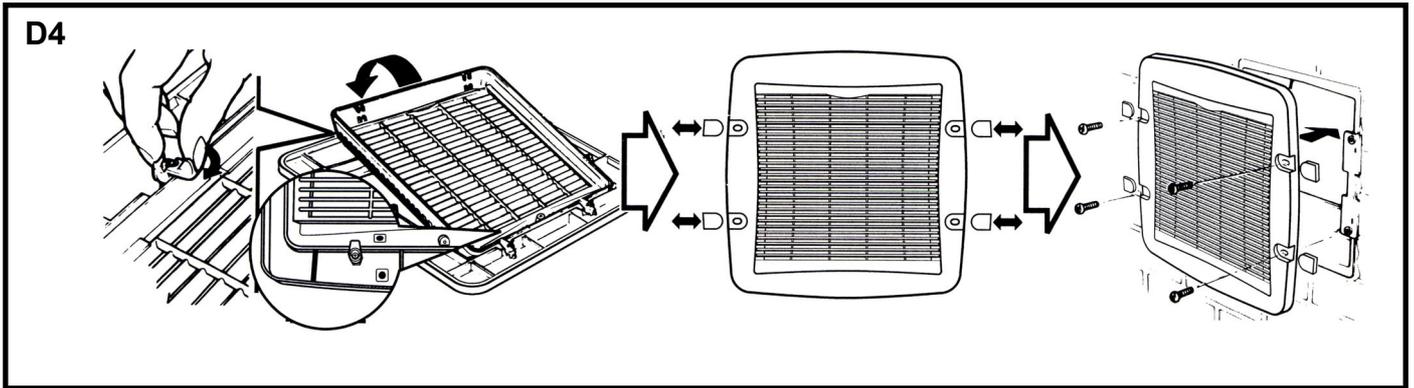
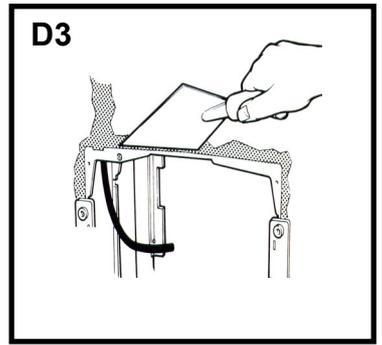
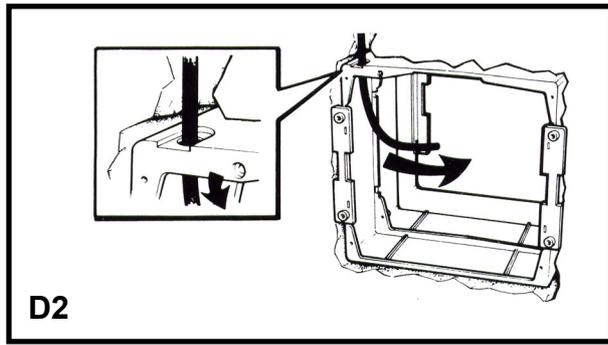
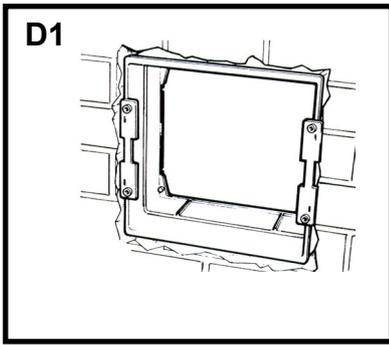
Notes to be read in conjunction with the corresponding diagram number.

- D1 (From Outside) - Position the liner with external flange flush with the outside face of the wall, with the two stiffening ribs at the bottom.
- D2 Cut out the cable/conduit entry on the remaining liner, feed the supply and controller cable (wired version only) through the liner cut out, ensuring sufficient cable is available to allow for the removal of the fan.
(From Inside) - Position the liner with the internal flange flush with the inside face of the wall, with the two stiffening ribs at the bottom.
- D3 Cement the liners into position. Do not distort the sides of the liners.
- D4 Align the frame and outdoor grille. Lock the grille into position. Remove the fixing screw covers from the grille frame.

Note: The frame recesses are marked A & B and correspond with the covers.

Fix the grille to the outside liner with the louvres slanting downwards using the fixing screws. Replace the screw covers. * **Note: The A's and B's must match.**

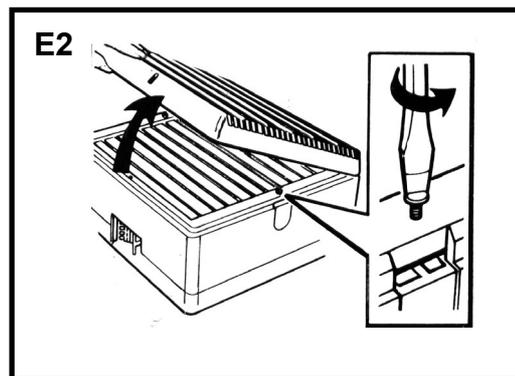
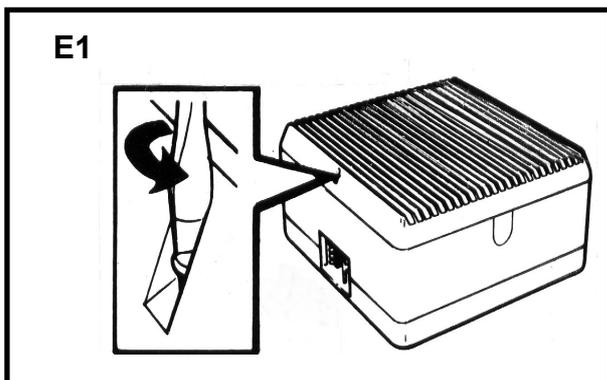


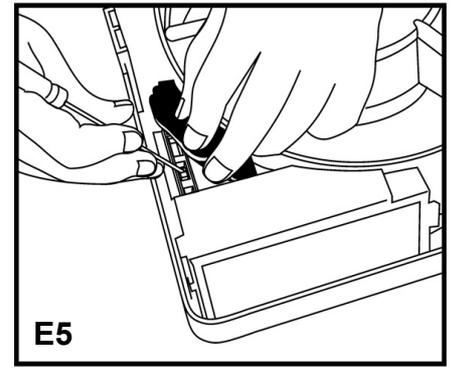
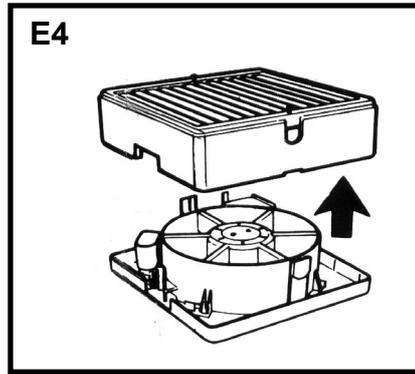
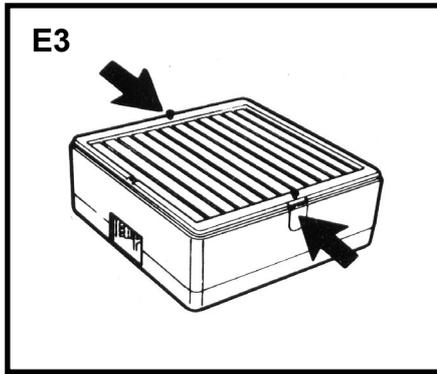


PREPARATION FOR INSTALLATION

Note: A controller connection socket is only supplied with the wired version of the fan.

- E1 Place fan unit, impeller downwards, on a flat surface. Unscrew the grille-securing screw located at the top of the grille.
- E2 Remove grille. Partially unscrew the two safety catch screws on the face of the housing
- E3 Depress the side catches.
- E4 Lift off the housing.
- E5 Lift the black rubber gasket on the Power Supply/Receiver Unit and switch the three-position switch to the required running option, then replace the gasket seal.
- E6 If a Lowatt Speed Controller is being used refer to the relevant Lowatt Speed Controller Fitting and Wiring Instructions.
- E7 Refit the housing ensuring that no internal wires are trapped between the housing and base.
- E8 Engage the two side catches. Tighten the two side catch screws.
- E9 Replace the grille with the louvres slanting upwards and the Vent-Axia logo at the bottom, then secure with the retaining screw.
- E10/ ii Position the fan on the inside frame ensuring that the socket connector cutout is aligned. Loosen the clamping screws and attach the clamps. Ensure that the tongues under the clamp heads engage in the slot of the housing and tighten the clamping screws.

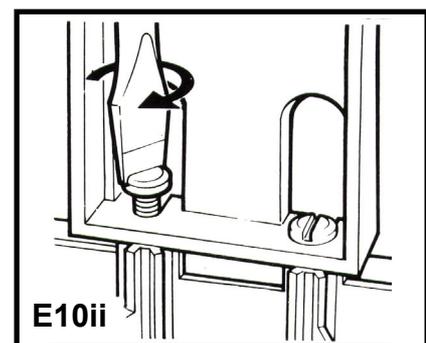
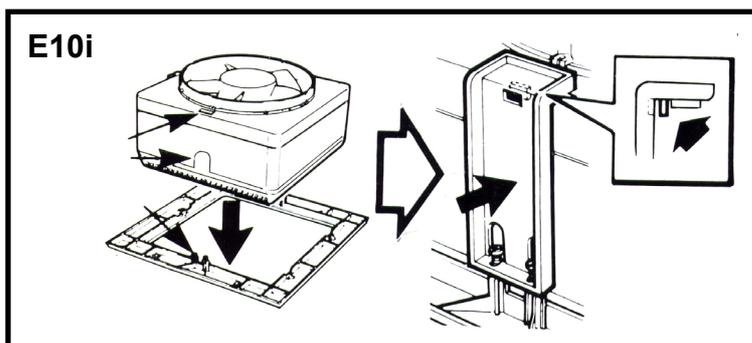
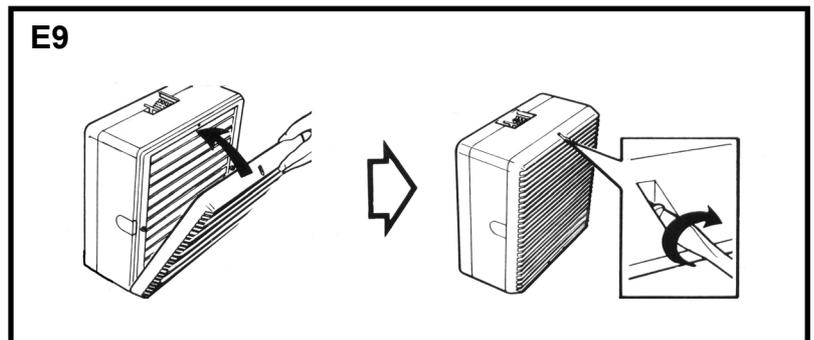
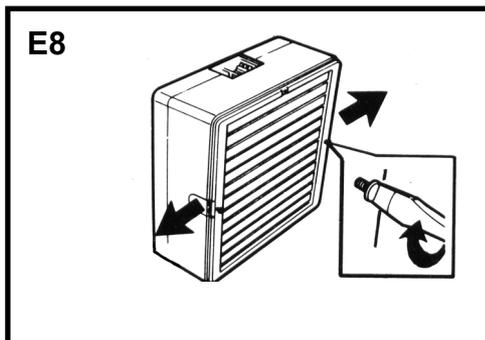
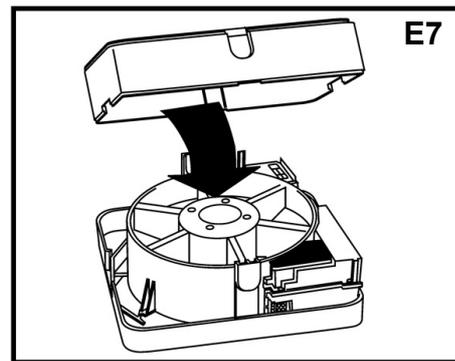




E6

FOR SPEED CONTROL

REFER TO THE RELEVANT FITTING
AND WIRING INSTRUCTIONS
SUPPLIED WITH THE WIRED/
WIRELESS CONTROLLER.



WIRING THE CONNECTOR SOCKET

WARNING THIS APPLIANCE MUST BE EARTHED

- F1 Remove the top cover from the connector socket by undoing the 2 retaining screws.
- F2 Lift up lever and slide out top cover.
- F3 Loosen cable clamp screws and pass the cable through the clamp. (It may be necessary when using some 3-core cables to reverse the cable clamp to ensure that the cable is securely retained. For ease of wiring, the terminal block may be removed from the connector housing.)
- F4 Tighten cable clamp screws evenly, ensuring a secure grip on the outer sheath of the cable.
- F5 Slide the top cover back on and secure with the 2 retaining screws.

Fig 2 Using an On/Off switch: Connect the mains supply to the fan connector socket.

Fig 3 Auxiliary sensor switching: Connect the mains supply to the fan connector socket.

F6a Place the fan partially into the wall liner and replace the connector socket by pushing positively into position. Finally, press the black locking peg down flush with the top of the connector socket. Plug the controller wire into the controller socket (wired version only).

F6b Remove the fixing screw covers. Fix the fan on to the inside liner with the louvres slanting upwards using the fixing screws. Replace the screw covers.

Note: The A's and B's must match.

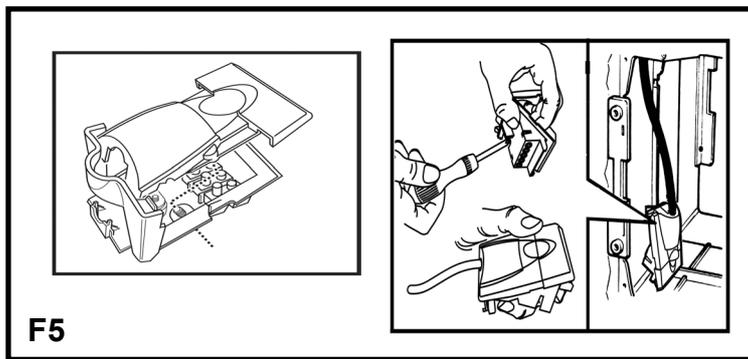
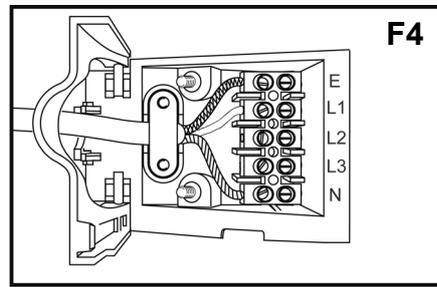
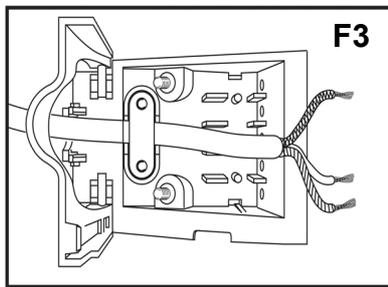
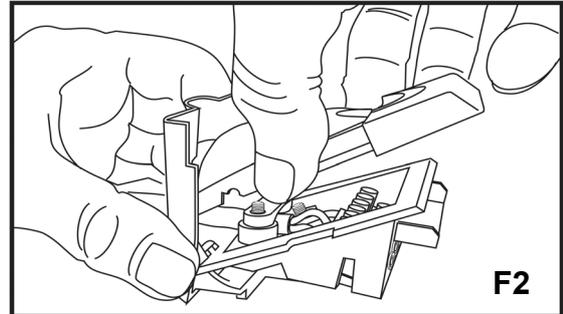
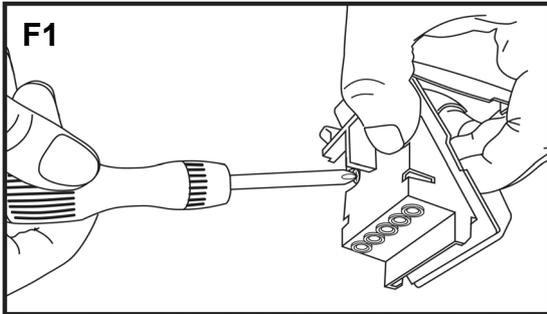


Fig. 2

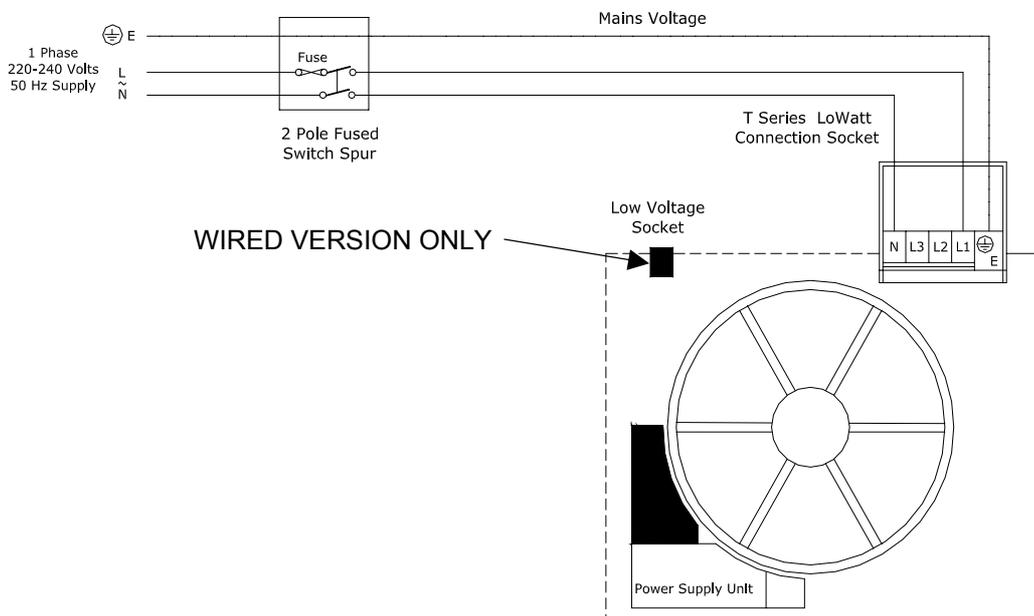
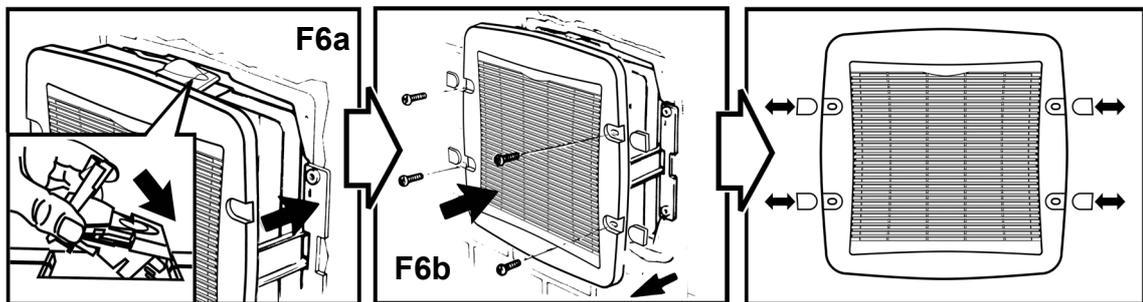
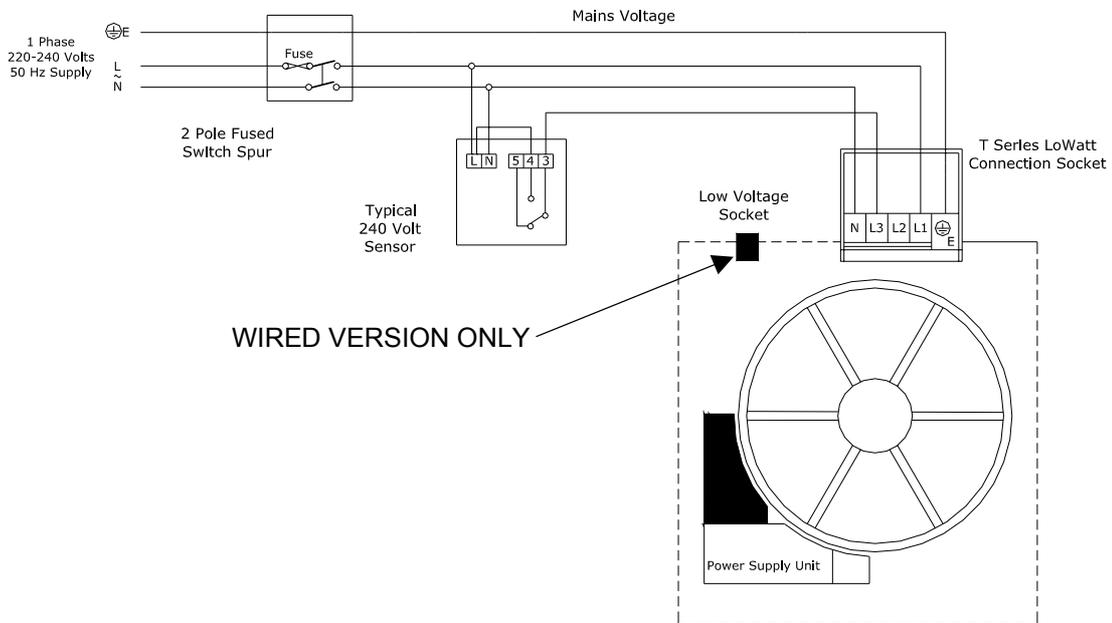


Fig. 3



ISOLATE FROM THE POWER SUPPLY PRIOR TO ANY MAINTENANCE AND CLEANING

USER INSTRUCTIONS

- At intervals appropriate to the installation, inspect and clean the fan to ensure there is no build up of grease or dirt on the impeller or the motor.
- The motor is fitted with sealed for life bearings and does not require lubrication.

DISMANTLING

- G1 Remove the four fixing screw covers on the indoor grille frame and unscrew. Note: In the frame recesses are marked A & B and these correspond with the covers.
- G2 Partially remove the fan and remove the connector socket by lifting up the lever gently with a finger. Unplug the controller cable (wired version only) and remove fan.
- G3 Remove the outdoor grille from inside ready for cleaning.
- G4a/b Loosen the clamping screws and remove the clamps. Remove the fan from the frame.
- G5 Remove the grille.
- G6 Partially unscrew the two safety catch screws on the face housing. Depress the two side catches.
- G7 Lift off the housing.
- G8 Release the Power Supply/Receiver Unit catch located at the bottom left of the motor body housing assembly
- G9 Lift the Power Supply/Receiver Unit until the second catch engages. Slide the controller connection socket from the housing (wired version only).
- G10 Release the motor body housing assembly locking catch located to the left of the socket connector cutout and rotate the motor body housing assembly anti-clockwise until the bayonet catches disengage.
- G11 Withdraw the motor body housing assembly.
- G12 Remove the impeller with a sharp pull, away from the motor.

CLEANING

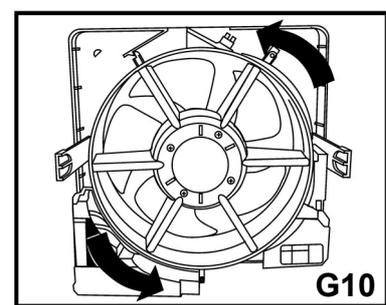
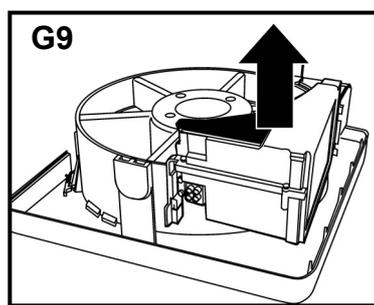
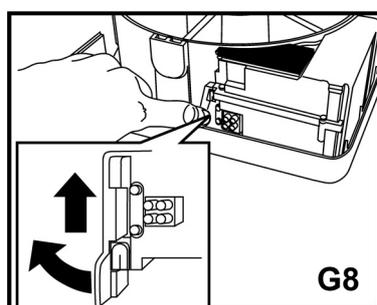
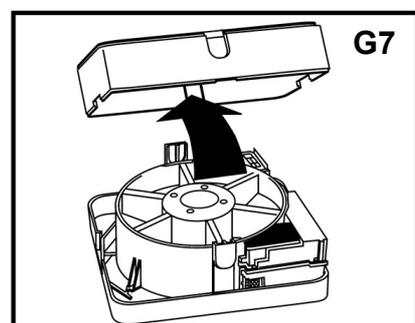
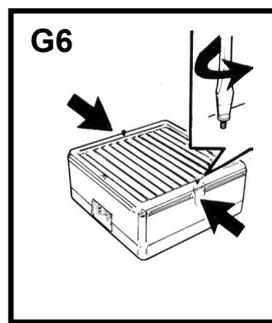
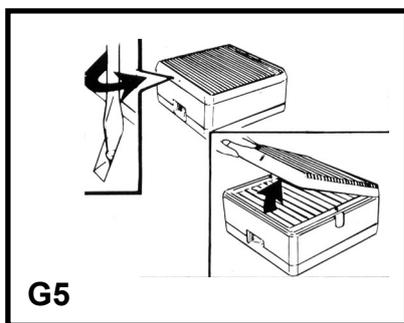
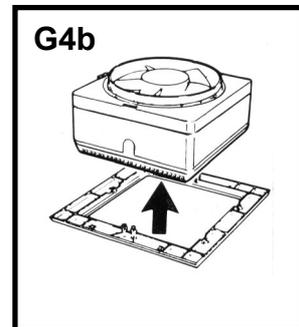
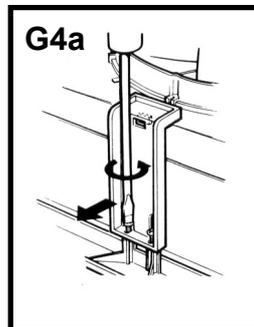
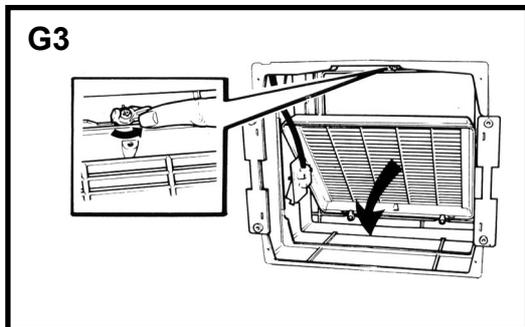
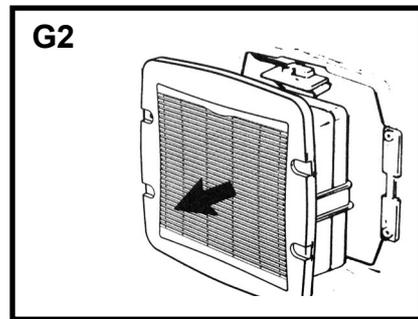
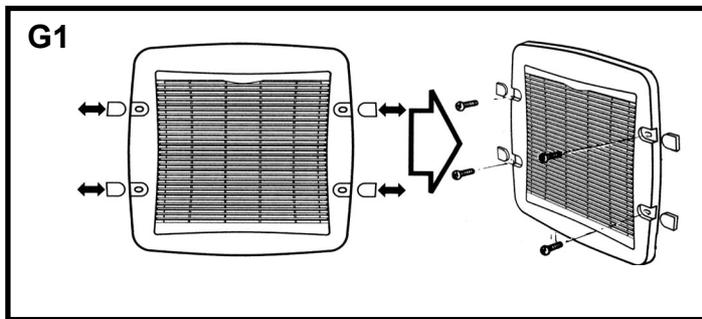
IMPORTANT: Keep all electrical components away from water.

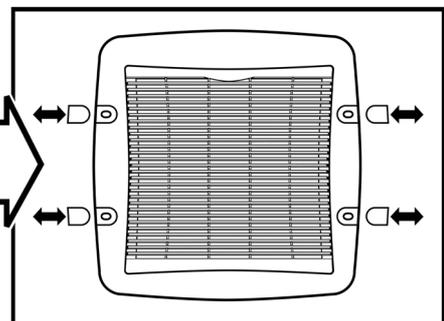
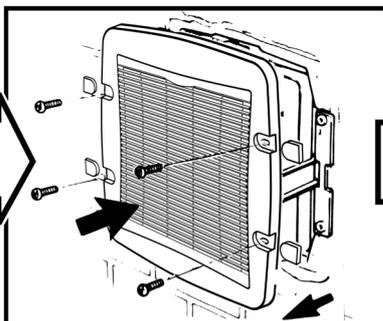
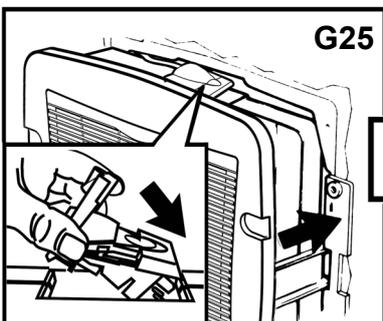
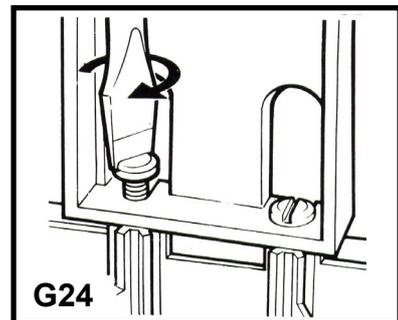
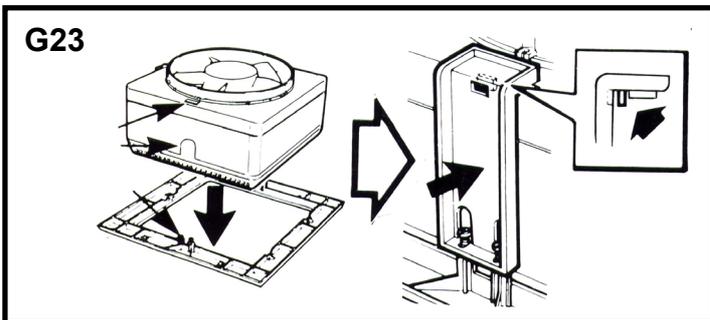
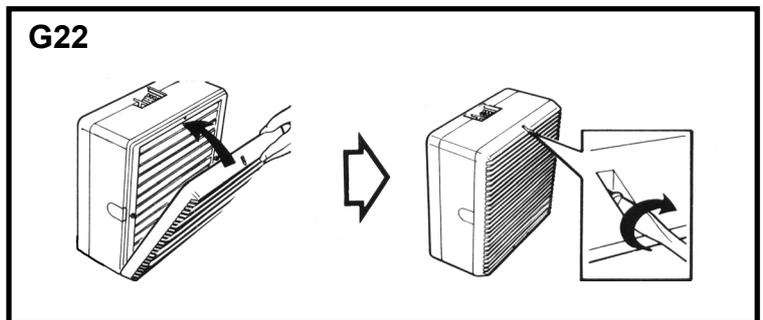
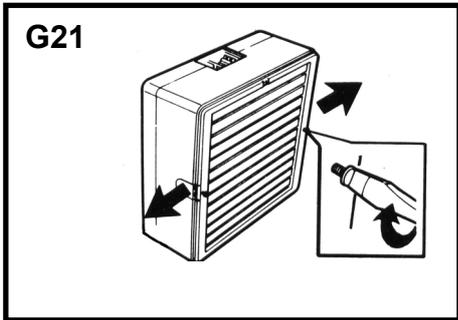
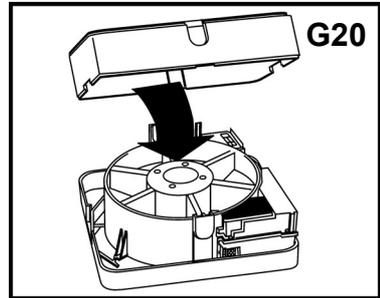
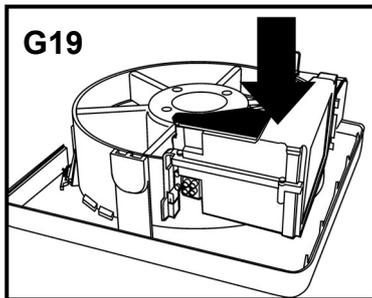
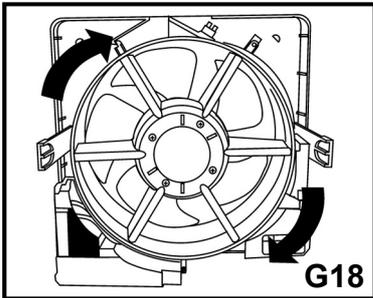
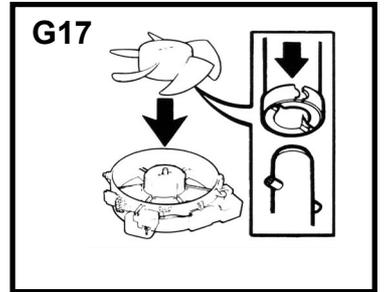
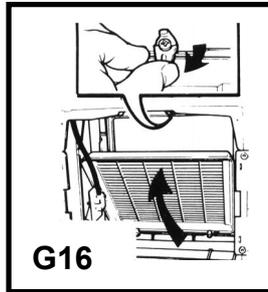
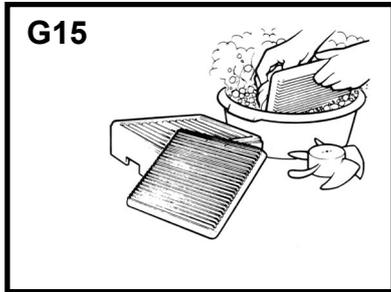
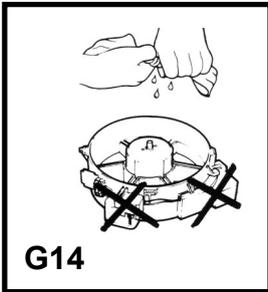
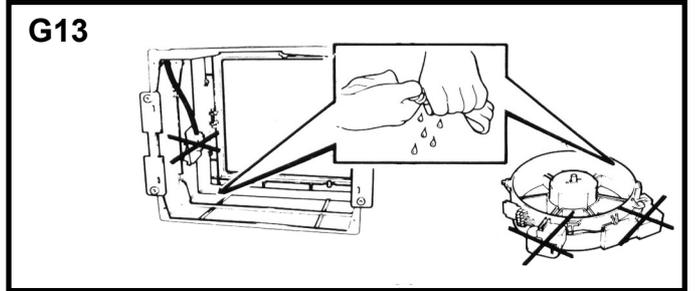
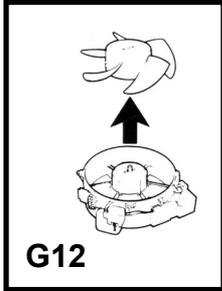
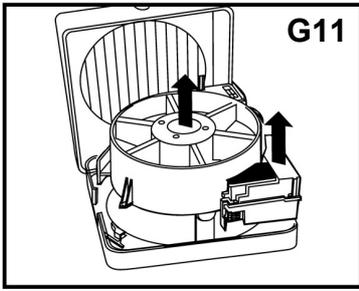
- G13 Wipe the wall liner with a damp cloth.
- G14 Wipe the motor housing assembly with a damp cloth.
- G15 Wash all non-electrical components in hot water and detergent.

REASSEMBLY - ALLOW THE COMPONENTS TO DRY BEFORE REASSEMBLY

- G16 Replace the outdoor grille with the louvres slanting downwards and the Vent-Axia logo at the top grille.
- G17 Align the impeller with the locating pins on the motor shaft. With a sharp push, replace the impeller back onto the motor shaft. Ensure that the impeller snaps into position.
- G18 Refit the motor body housing assembly and turn clockwise until the locking catch is engaged. Take care not to trap the speed controller connection socket cable (wired version only).
- G19 Release the Power Supply/ Receiver Unit locking catch and lower until the catch engages in the lower position. Fix the controller connection socket into position (wired version only).
- G20 Refit the housing ensuring that no internal wires are trapped between the housing and base.
- G21 Engage the two side catches. Tighten the two side catch screws.
- G22 Replace the indoor grille and secure with the retaining screw at the top of the grille.
- G23 Position the fan on the indoor frame ensuring the socket connector cutout is aligned. Attach the clamps. Ensure that the tongues under the clamp heads engage in the slot of the housing.
- G24 (Tighten the clamping screws) G24.
- G25 Place the fan partially into the wall liner and replace the connector socket by pushing positively into position. Plug the controller wire into the controller (wired version only). Fix the fan onto the inside liner with the louvres slanting upwards using the fixing screws and replace the screw covers. Note: The A's and B's must match.

RECONNECT THE MAINS SUPPLY AND SWITCH THE UNIT ON.





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NORTHERN IRELAND

Telephone: 02890 402220
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REPUBLIC OF IRELAND

Vent-Axia Ventilation Ltd.
921 Western Road Industrial Estate
Naas Road, Dublin 12.

Telephone: (01) 450 4133
Fax: (01) 450 4570

Did you find these instructions easy to use?

We value your comments, contact us via :

Email: info@vent-axia.com

The Vent-Axia Guarantee

Applicable only to products installed and used in the United Kingdom. For details of the Guarantee outside of the United Kingdom contact your local supplier.

Vent-Axia guarantees this product for two years from the date of purchase against faulty material or workmanship. In the event of any part being found to be defective, the product will be repaired, or at the Company's discretion the product will be replaced without charge, provided that the product:

- 1). Has been installed and used in accordance with the instruction given with each unit.
- 2). The electricity supply complies with the rating label.
- 3). Has not been misused, neglected or damaged.
- 4). Has not been modified or repaired by any person not authorised to do so by Vent-Axia.

IF CLAIMING UNDER THE TERMS OF THE GUARANTEE

Please return the complete product, carriage paid to your original supplier by post or in person. Please ensure that it is adequately packed and accompanied by a letter clearly marked 'Guarantee Claim' stating the nature of the fault and providing proof of the date and source of purchase.

As part of the policy of continuous product improvement Vent-Axia reserve the right to alter specifications without notice

Vent-Axia®

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