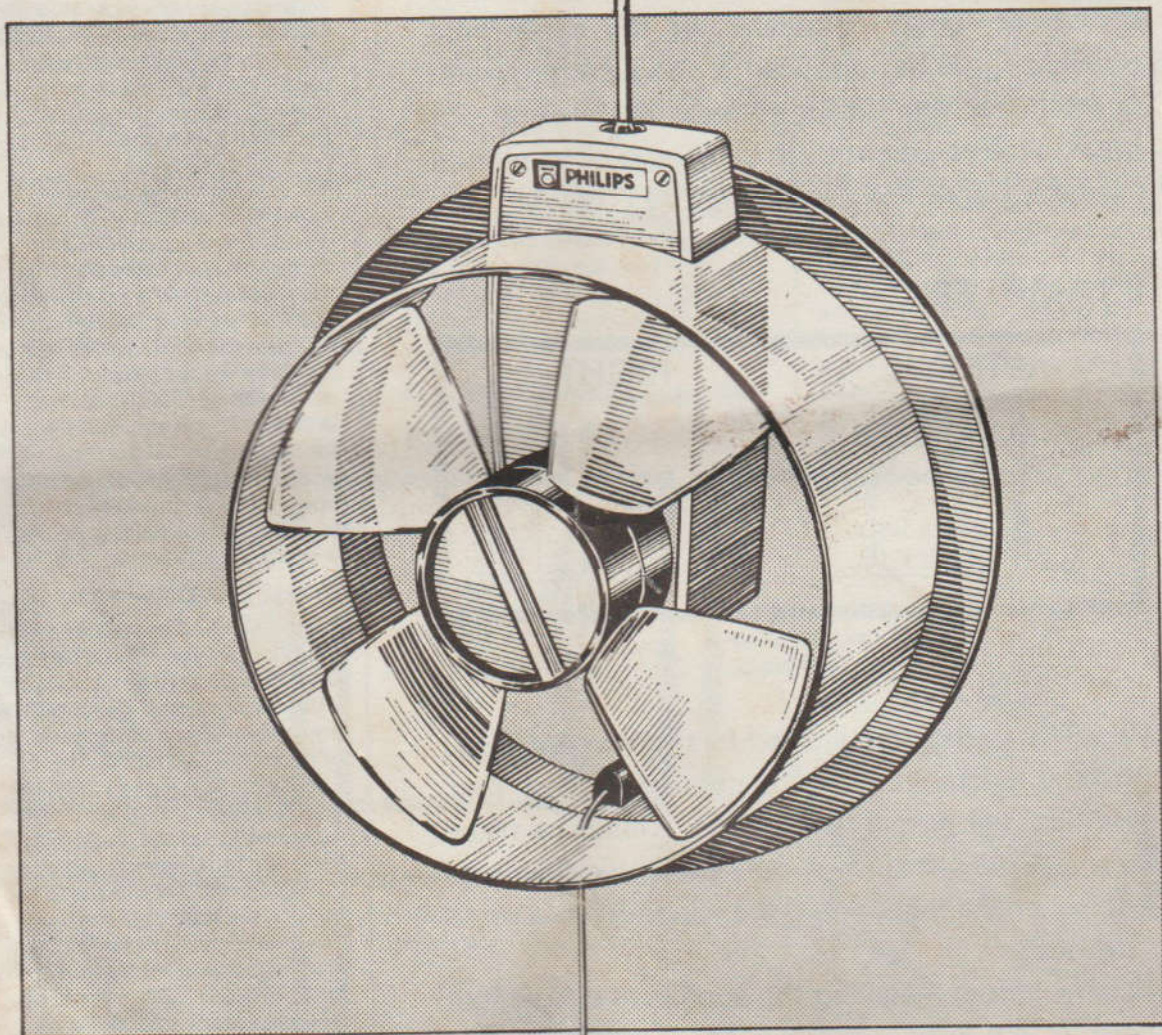


PHILIPS

INSTRUCTIONS FOR
THE HR3404 PHILIPS
WINDOW FAN

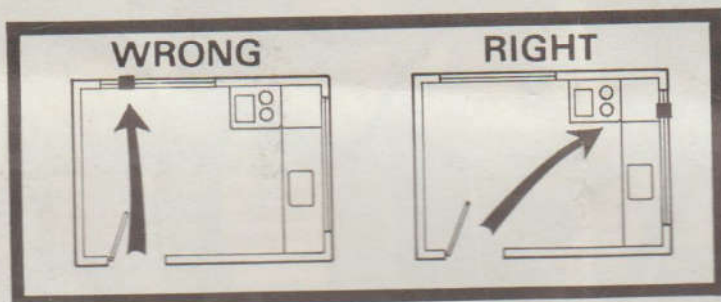


GENERAL

The HR 3404 Philips Window Fan is designed to improve comfort and ventilation in your home. It is ideally suitable for use in those rooms susceptible to excessive build-up of steam and other household fumes such as is experienced in kitchens, bathrooms, etc.

However, your window fan can only operate efficiently provided it is installed in the correct position in the room, i.e. as close as possible to the source of fumes or steam. At the same time efficiency will be improved if adequate provision is made for the intake of fresh supplies of air. Ideally, the source of fresh air should be as remote from the site of the window fan as possible.

EXAMPLES



When a window fan is used in a room containing heating equipment with a connected flue (e.g. solid fuel, oil or gas heater) care should be taken to ensure an adequate supply of fresh air. This, of course, only applies when the window fan is set to "extract".

Finally, before installing the appliance ensure that your mains supply voltage corresponds to that shown on the rating plate on the window fan – if in any doubt your local Electricity Board or Electrical Dealer should be consulted.

INSTALLATION

a) THE GLASS

First of all, it will be necessary to cut a hole in the window pane selected for the installation of your HR 3404 Philips Window Fan. The Window Fan is only suitable for mounting in plain or reeded glass no thicker than $\frac{5}{32}$ " (24 oz. or 32 oz. glass is recommended). The diameter of the hole required is $7\frac{5}{16}$ " (186 mm). This hole can be cut in situ or alternatively at your local glazier. However, advice on the desirability of cutting existing glass or replacing with a new pane should be sought from your glazier. As a general guide if the Window Fan is to be fitted in a ventilating window or transom it is usually more economic to purchase a new pane of glass with the hole already cut.

NB: It is recommended that the window in which the Window Fan is to be fitted is permanently secured in the closed position. If the Window Fan is being installed in a sash window, stops should be fitted on the upper sash in order to prevent damage to the fan when the lower sash is raised. The Window Fan is only suitable for fitting in a vertical position, i.e. with the cable entry hole uppermost. It should not be installed horizontally in ceilings and similar locations.

b) THE WINDOW FAN

The plastic gasket provided with the Window Fan should be fitted into the hole with its flanges on either side of the glass. The ends of the gasket must meet at the bottom of the hole as shown in Fig. 1.

Locate the fan on the inside of the window with the top rib on the outside edge of the glass (Fig. 2). Press the fan upwards gently and then press the lower edge of the fan into the hole until the lower ribs locate on the outside of the plastic gasket at the bottom of the hole (Fig. 2). (Care should be taken to ensure that the fan is located in the upright position.) Now, press the fan downwards slightly so that it rests firmly on the base of the hole.

Your Philips Window Fan, if fitted in accordance with the

Instructions, will be quite secure in its location. However, as an additional security precaution the two self-tapping screws which are provided can be fitted.

When you have installed the Window Fan, ensure that it is seated as low as possible on the base of the gasket in the window hole. The self-tapping screws can then be inserted into the two holes located at the top of the Window Fan either side of the mains terminal cover plate.

Note: Do not overtighten the screws in their holes as this will create difficulty should you wish to remove the Window Fan at any time.

c) WIRING INSTRUCTIONS

CAUTION: under no circumstances should the supply cable be connected to the mains before the following instructions have been completed.

With the Window Fan now installed remove:

- 1 The impeller blade assembly. (by gripping centre and pulling).
- 2 The mains terminal cover plate. (This is achieved by removing

the two screws, one on either side of the Philips name plate.)

- 3 The plastic wind tunnel (this should be lifted upwards and out) (Fig. 3).

The Philips Window Fan is double-insulated and does not require an earth connection. Place the black rubber grommet, situated in the cable entry, onto the end of a suitable 2-core cable ensuring that the "cup" portion of the grommet is uppermost. Next, remove the cable strain relief clamp (Fig. 3) and connect the supply cable to the terminal block as follows:

Brown or Red lead to terminal marked "L"

Blue or Black lead to terminal marked "N"

Replace and secure the cable strain relief clamp having ensured that the grommet is situated in its seating in the housing (Fig. 3). The plastic wind tunnel, cover plate, and impeller assembly should now be replaced. The installation is now ready for connection to the mains supply.

Note:

- a) if the window fan is to be used

from a "BS 1363" 13-amp fused plug and socket a 3-amp fuse should be used.

b) If the window fan is permanently connected to fixed wiring a double pole mains isolating switch **MUST** be provided locally in the supply circuit.

OPERATION

Your HR 3404 Philips Window Fan is now ready for use.

The nylon pull cord (which should be shortened to the desired length) serves to open and shut the draught- and rain-proof shutter situated on the outside of the of the window. This also automatically switches the fan On when the shutter is open and Off when the shutter is closed.

The blades of your window fan can be adjusted to force stale air out of the room or to feed fresh air into the room. This can be simply achieved by holding the body of the impeller assembly by the thumb and forefinger of one hand and rotating the indicator bar either in a clockwise or anti-clockwise direction as required (Fig. 4).

FIG 1

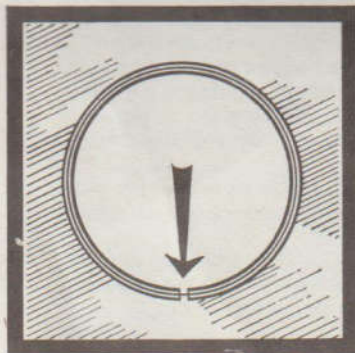


FIG 2

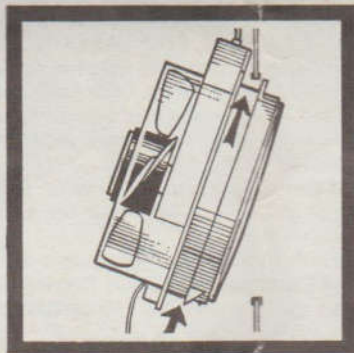


FIG 3

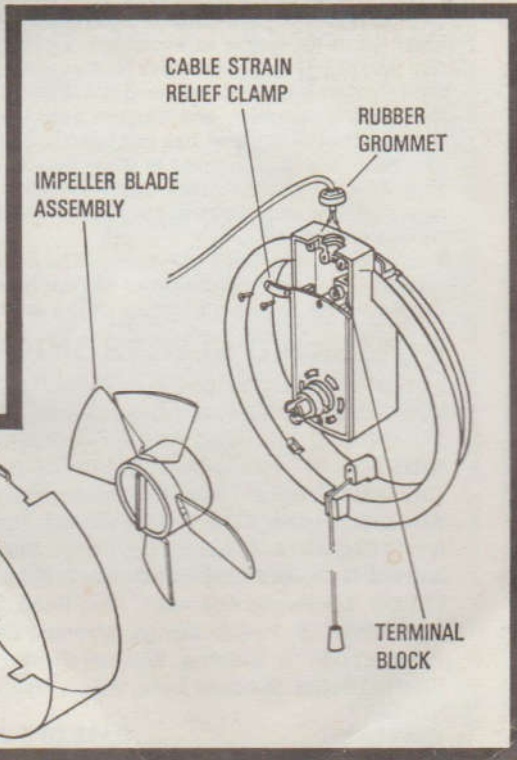
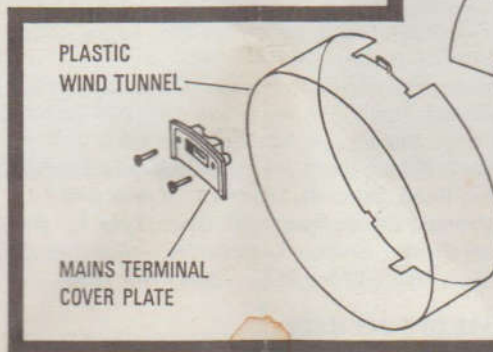
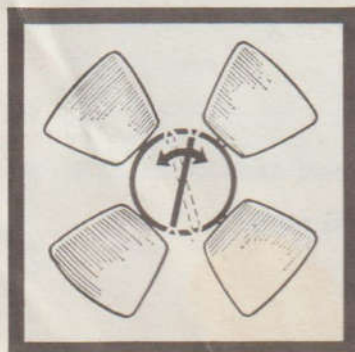


FIG 4



MAINTENANCE & CLEANING

a) MAINTENANCE

Note: Ensure that the appliance is disconnected from the mains supply before maintenance and cleaning instructions are carried out.

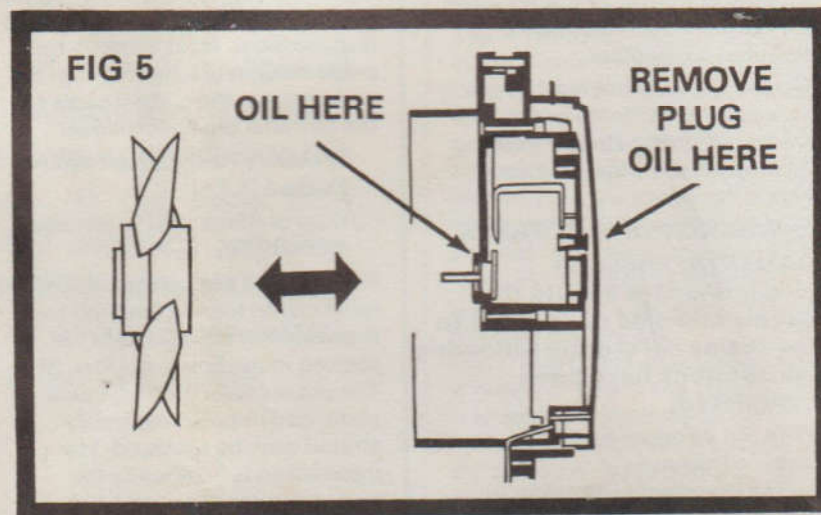
Your HR 3404 Philips Window Fan has a motor which is manufactured with self-lubricating bearings and with normal domestic use should give years of trouble-free service. It is, however, recommended that every 3 to 4 months a few drops of light lubricating oil are applied to the motor shaft as indicated (Fig. 5). The plastic plug situated on the outside of the housing, underneath the shutter, should be removed to facilitate oiling – care should be taken to ensure that this

plug is replaced after oiling.

b) CLEANING

By nature of the function for which it was designed, your HR 3404 Window Fan will attract grease, dust, etc. onto the exposed parts. However, this deposit can be easily and safely removed by a solution

of detergent and warm water. The fan blade assembly and wind tunnel (if necessary) can be detached and washed – these should be shaken free of surplus water and wiped dry. The other parts of the window fan can be wiped with a damp cloth.



GUARANTEE

PHILIPS Electrical Limited GUARANTEE your appliance against faulty workmanship and material for a period of one year from the date of purchase or hire-purchase agreement. Accordingly, the company undertakes to repair or at its option to exchange, FREE OF ANY CHARGE FOR LABOUR, MATERIALS, AND CARRIAGE, any part found to be defective within the specified period, provided that the appliance has not been used other than for domestic purposes in Great Britain, Northern Ireland, or the Channel Islands and in accordance with the instructions supplied, and has not been connected to an unsuitable electricity supply or subjected to misuse, neglect or accident and has not been modified or repaired by any person other than an employee of Combined Electronic Services Limited or other person authorised by the Company.

Please fill in the accompanying Registration Card and return it within 10 days. This will enable us to give prompt service. If the guarantee is not registered, proof of the date of purchase will be required before free guarantee service is supplied.

Free service under this Guarantee will be provided only by Combined Electronic Services Limited, and if you require service you should contact your nearest branch of Combined Electronic Services Limited at one of the addresses shown below, giving particulars of the defect and quoting the type and serial number of the appliance.

COMBINED ELECTRONIC SERVICES LIMITED (A PHILIPS GROUP COMPANY)

LONDON—SOUTH 604 Purley Way, Waddon, Croydon, CR9 4DR. 01-688 7722

LONDON—NORTH 286 Green Street, Forest Gate, London E.7. 01-472 5412

SOUTHEND Somerton Works, Prince Avenue, Westcliff-on-Sea, Essex. Southend 42296

BRISTOL 51 Victoria Street, Bristol 1. Bristol 79431

CAMBRIDGE P.O. Box 45, Gloucester Street, Cambridge. Cambridge 51472

BIRMINGHAM 2219 Coventry Road, Sheldon, Birmingham 26. 021 743 4202

NOTTINGHAM Glaisdale Drive East, Bilborough, Nottingham. 0602 292147

ASHTON-IN-MAKERFIELD North Florida Road, Haydock Industrial Estate, St. Helens, Lancs. 0942 78678

LEEDS Limewood Approach, Ring Road, Seacroft, Leeds 14. Leeds 640 181

NEWCASTLE Peel Buildings, Waterloo Street, Newcastle-Upon-Tyne 1. Newcastle 20771

HAMILTON 'J' Building, Wellhall Road, Hamilton, Lanarkshire. Hamilton 21122

EDINBURGH 2 Abbey Lane, Abbey Hill, Edinburgh 8. Abbey Hill 1296

SERIAL NO. DATE OF PURCHASE