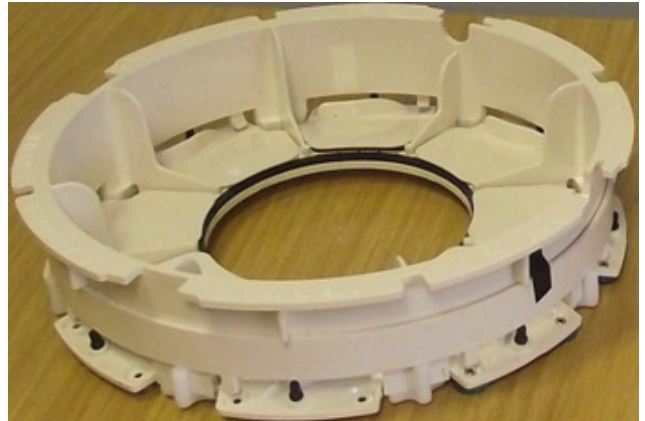


Step by step help sheet for installation of SDR Shutter with the new mark III motor



1

Remove terminal block cover



2



3

Unscrew the retaining screw at the base of the fan and then remove the fan/housing assembly from the external grille



4

You will now have to remove the impeller

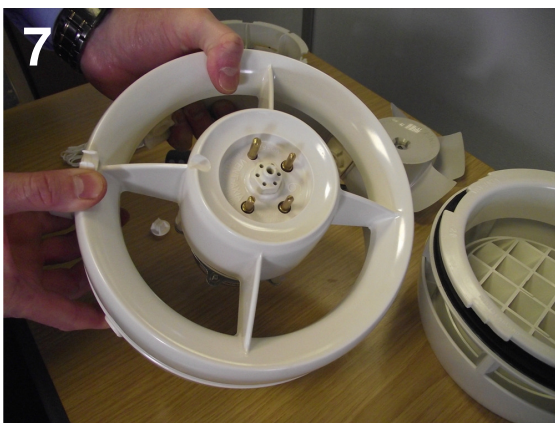
Step by step help sheet for installation of SDR Shutter with the new mark III motor



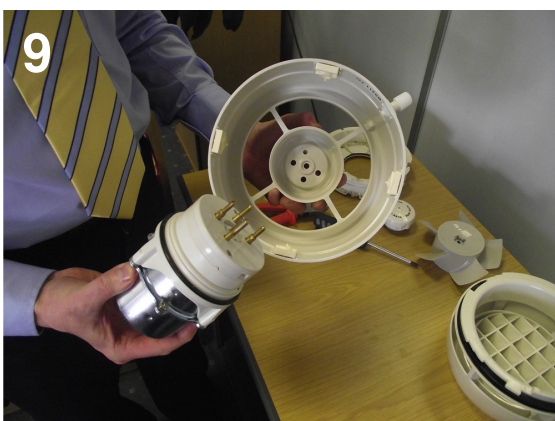
You should normally be able to unscrew the impeller nut by hand, however if it has siezed up you can use a suitably sized flat head screwdriver



You should now be able to lift off the impeller to reveal the motor



Flip the housing over to reveal the motor nut. Remove the motor nut carefully using a suitable tool

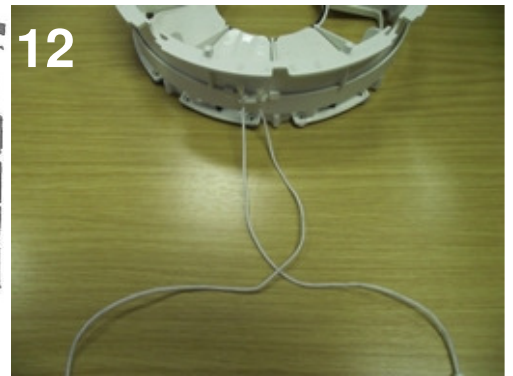
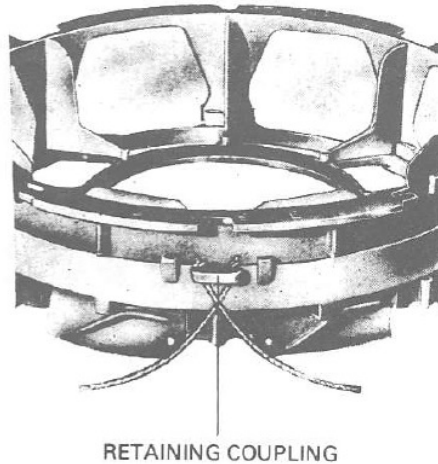
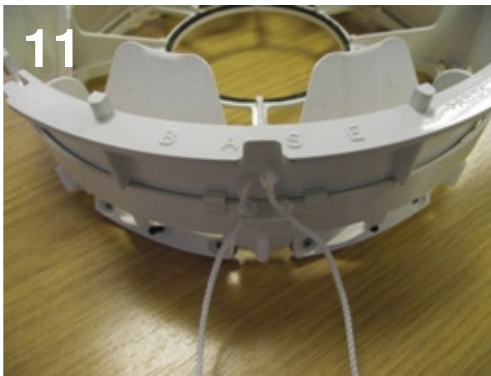


Remove the motor

Step by step help sheet for installation of SDR Shutter with the new mark III motor



Using a 10 pence piece or other suitable tool, remove the retaining clips around the fan housing

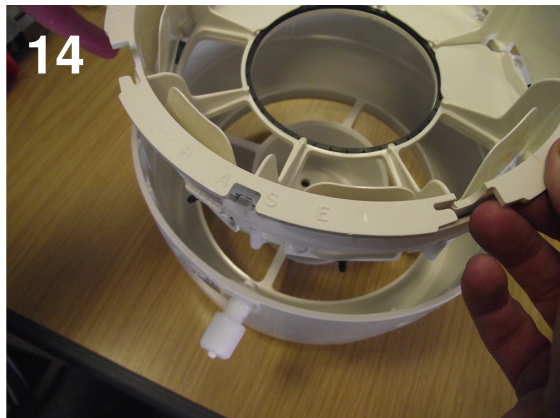


The pictures above show the shutter pull-cords tied to the retaining coupling. When the shutter has been correctly placed back into the housing (as you'll see in the next couple of steps), and the retaining clips have been refitted around the fan housing, you should then cross the cords over and place them through the adjacent hollow sleeves in the fan housing (see fig 16-18)

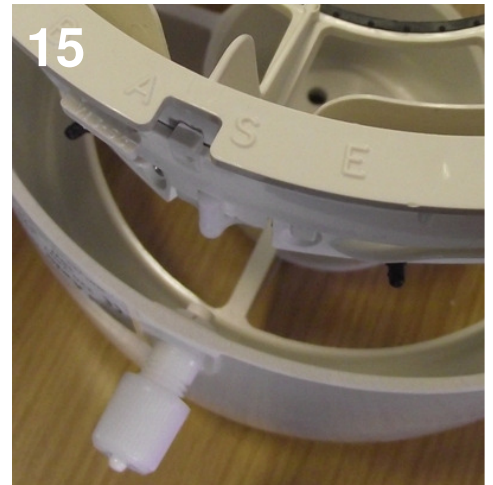


Next place the fan housing with the retaining screw at the base (6 o'clock position)

Step by step help sheet for installation of SDR Shutter with the new mark III motor



Place the shutter assembly into the fan housing as shown with the word "BASE" towards the retaining screw at the 6 o'clock position



You are now ready to replace the retaining clips.



Ensure that the two retaining clip caps with the holes are re-fitted towards the base of the housing - one either side of the retaining screw at the base (6 o'clock position) of the housing as you will then need to pass the pull-cords (where used) from the shutter assembly through these holes remembering to have crossed the cords over before placing through the retaining clip holes.
[Note - we have not fitted the shutter pull cord in this exercise.]

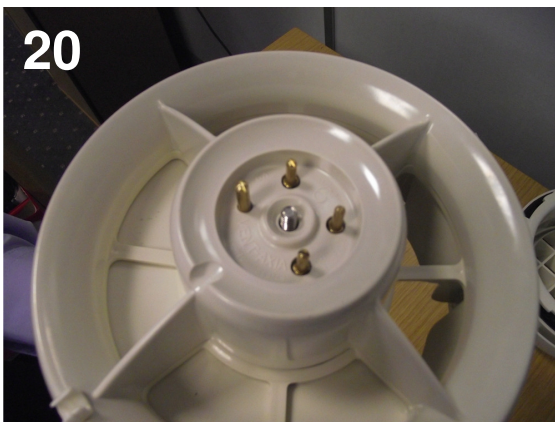


Step by step help sheet for installation of SDR Shutter with the new mark III motor



19

Carefully replace the motor back into the fan housing. The positioning of the motor connection pins will only allow the motor to fit properly in the one position



20



21

Whilst holding the motor into place, turn the housing over and refit the motor nut using a suitable tool to tighten it



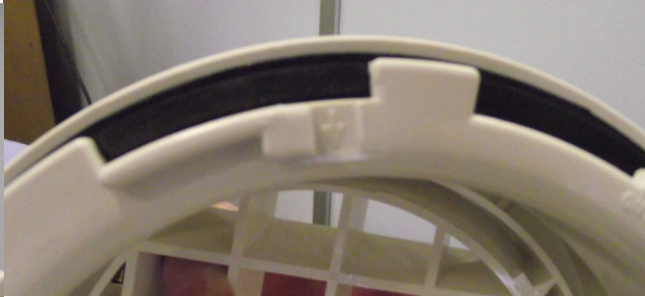
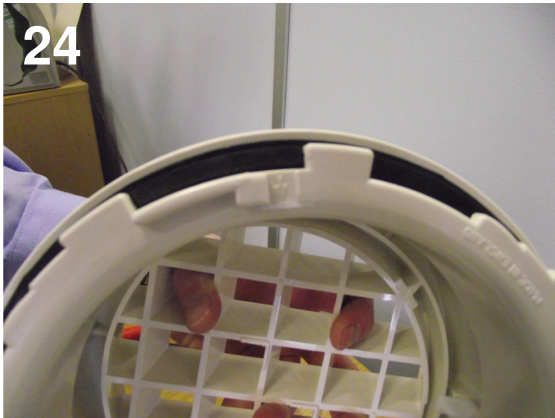
22



23

Flip the fan housing over and before refitting the impeller, ensure you have the 3-part washer set in place or refit on the motor shaft/spindle in the following order - metal flat washer, rubber flat washer, metal cone washer, then you can fit the impeller followed by the impeller nut.

Step by step help sheet for installation of SDR Shutter with the new mark III motor



24 Lastly, take the external grille assembly and locate the arrow on the fixing ring (as shown above) to the base of the fan housing (where the retaining screw is), then tighten the retaining screw as below to lock the external grille and fixing ring on to the main fan housing. With this all locked into place you will be able to unscrew the external grille by turning the whole grille anti-clockwise to allow fitting through the window or mounting panel.

