

Fixing the ventilation system fan motor

If your fan motor has been working intermittently and then stops working completely, the problem may be worn or dirty/grooved brushes that are not making good contact with the commutator. Cleaning or replacing the brushes can save you the cost of a new motor.

Remove the glove box (this isn't absolutely necessary but will make it easier to access the blower) by removing the two screws that connect it to the hinges on each side.



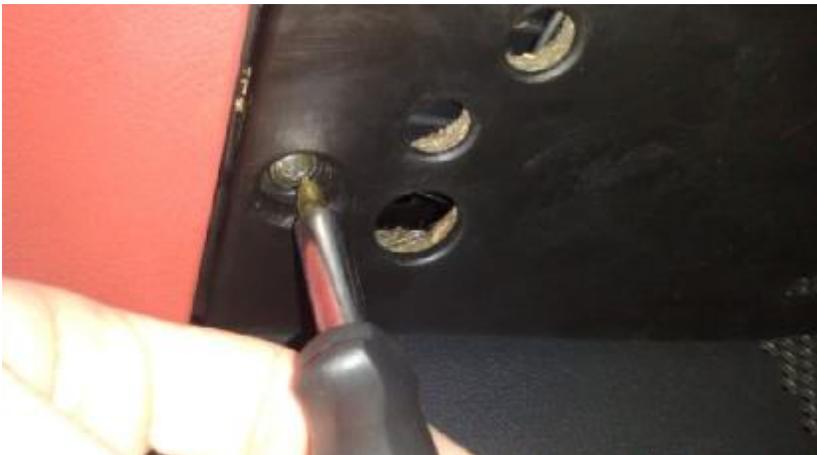
Unclip the hydraulic strut by pressing the clip.



And unclip the cord on the other side.



Remove the lower cover behind the glove box by removing the two screws on either end. This will allow access to the motor cover.



Remove the motor cover by moving the white fasteners along the track.



Remove the fan motor itself by unscrewing the 3 torx screws on the motor arrowed below and the two torx screws on the regulator.



Once the regulator is removed the fourth torx screw beneath it holding the motor in place can be removed.



Remove the power cable and gently remove the motor from the car and bring it inside to work on it. Remove the 2 screws retaining the plastic cover in place and remove it.



Remove the clips holding the springs and brushes in place with a screwdriver.



If you've got some brush left like this then you're in luck. Otherwise you'll have to get a replacement brush and solder it onto the copper wire.



If the brushes look tarnished and ridged like this then rub them gently with a fine abrasive to an even and smooth surface and replace them.



Give the motor a good shake and dislodge all the dirt and fine carbon dust lodged in it, like below.



Reattach the motor to the power cable and turn on the power. It should now work. Reinstallation is the opposite of removal.

