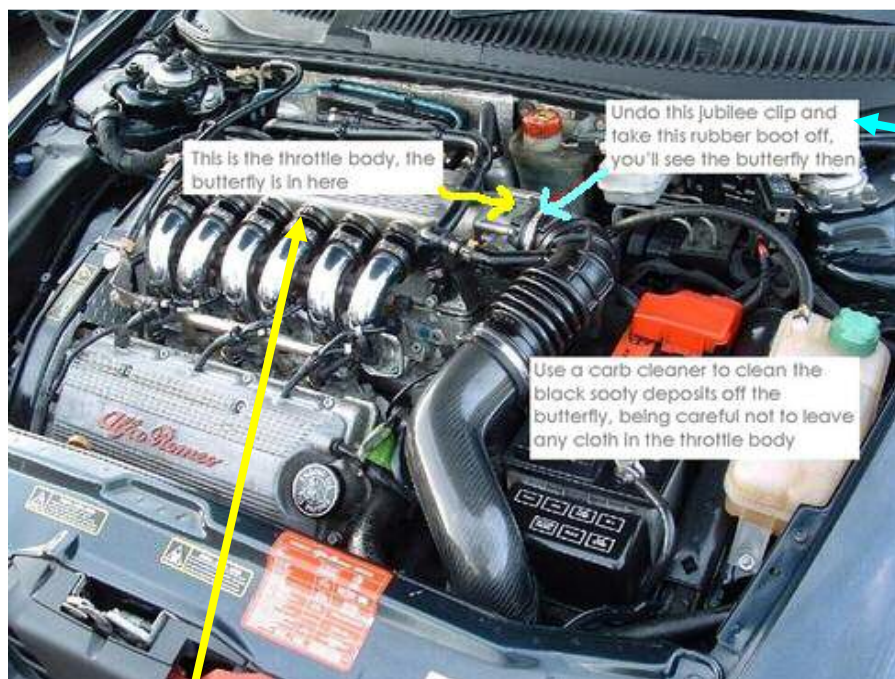
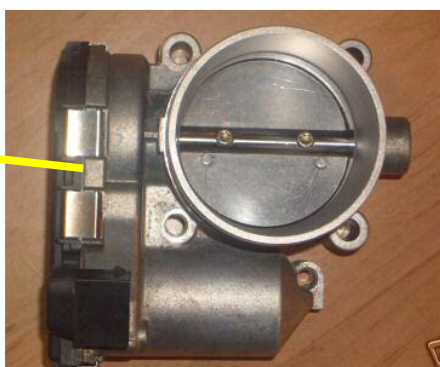


Cleaning the throttle body and Butterfly Valve

This procedure is offered in good faith, the symptoms leading to the throttle body cleaning are related to other failures too, the MAF for example. Please only attempt this if you feel you are competent.



With a screwdriver, loosen the jubilee clip around the air intake-tube at the point where it connects to the throttle-house.



Pull and bend the black intake rubber tube to the side and spray some carb cleaner onto the butterfly-valve. Let it work a minute or two, and then wipe the inside of the throttle-house and the butterfly-valve with a clean cloth. Oh - yes, you have to use one hand/finger doing the cleaning, and your other hand/fingers pushing the top of the valve, so it opens and allows you to clean the inside.

The reason for the erratic idle is that over time the butterfly-valve picks up dirt in the air intake tube. The dirt prevents the valve from completely closing. The engine therefore gets confused thinking the valve is open (thinks that you are putting your foot on the pedal. Once you've completed the clean, making sure there is nothing left in the butterfly's path or in the throttle body or pipes, put it all back and start her up. You then typically have to reset the idle to fix this completely (see how it runs before you do though).

To do that:

1. Insert key and turn to last position before start. Leave it there for 90 seconds.
2. Then turn back off for 90 seconds (with key in).
3. Then start the engine but do not touch the throttle for five minutes.

If this is not the cure, you can have a faulty idle speed motor which may need to be replaced

Other potential parts to look at are

- Faulty O2 sensor (lambda sensor).
- Faulty water temperature sensor.
- Faulty air mass meter (MAF), the most likely & most expensive.