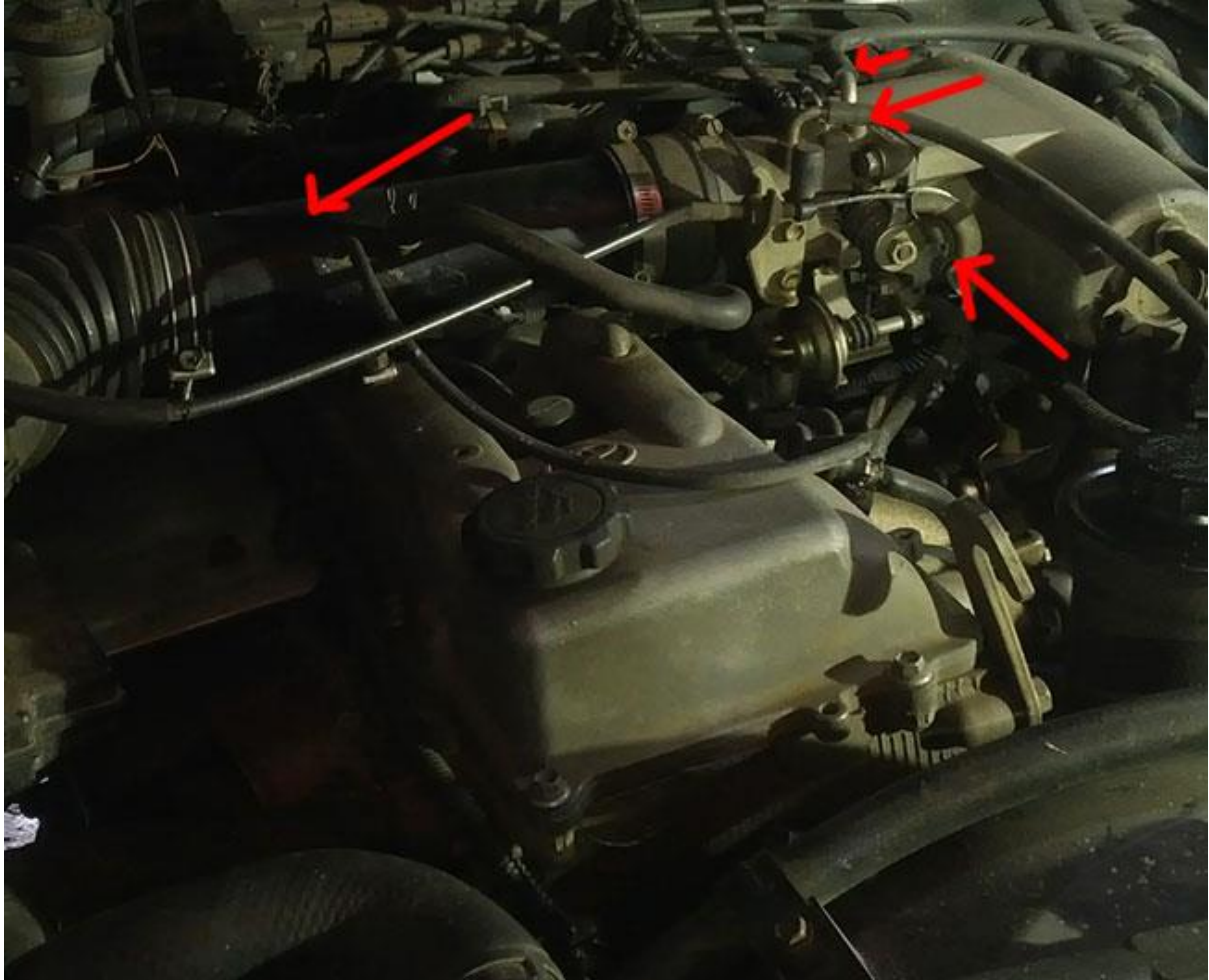


Idle Air Control Valve (IAC) in this post I decided to clean my bakkie's IAC just to investigate and learn how it works.

This is what I did:

Remove the throttle cable, air intake pipe and the other small pipes that attach to the throttle body.



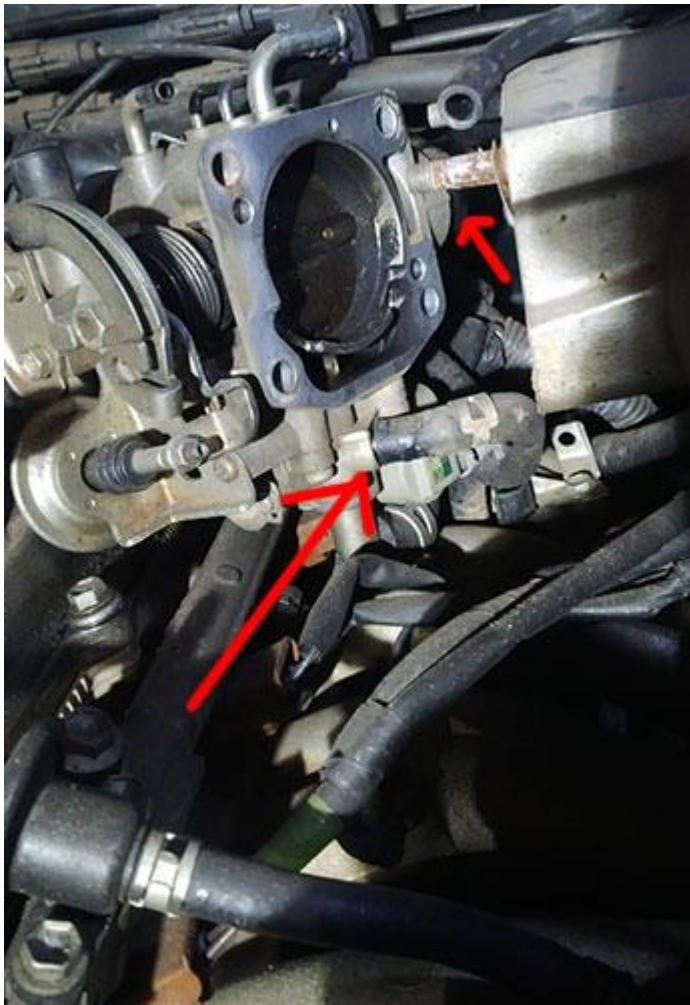
remove pipes

Now remove the nuts and bolts that hold the throttle body. There are 2x nuts at the top and 2x bolts at the bottom. All easy to remove with a 12mm socket (those small sets). If the throttle body do not come loose immediately, just tap it lightly at the top with a small hammer. There is a thin paper gasket between the air intake and the throttle body, so remove the throttle body with care and leave the gasket in place. If you try to remove the gasket you will most certainly break it.



remove throttle body

I found it easier to remove the pipes and plugs at the back with the throttle body loose.



remove pipes and cables

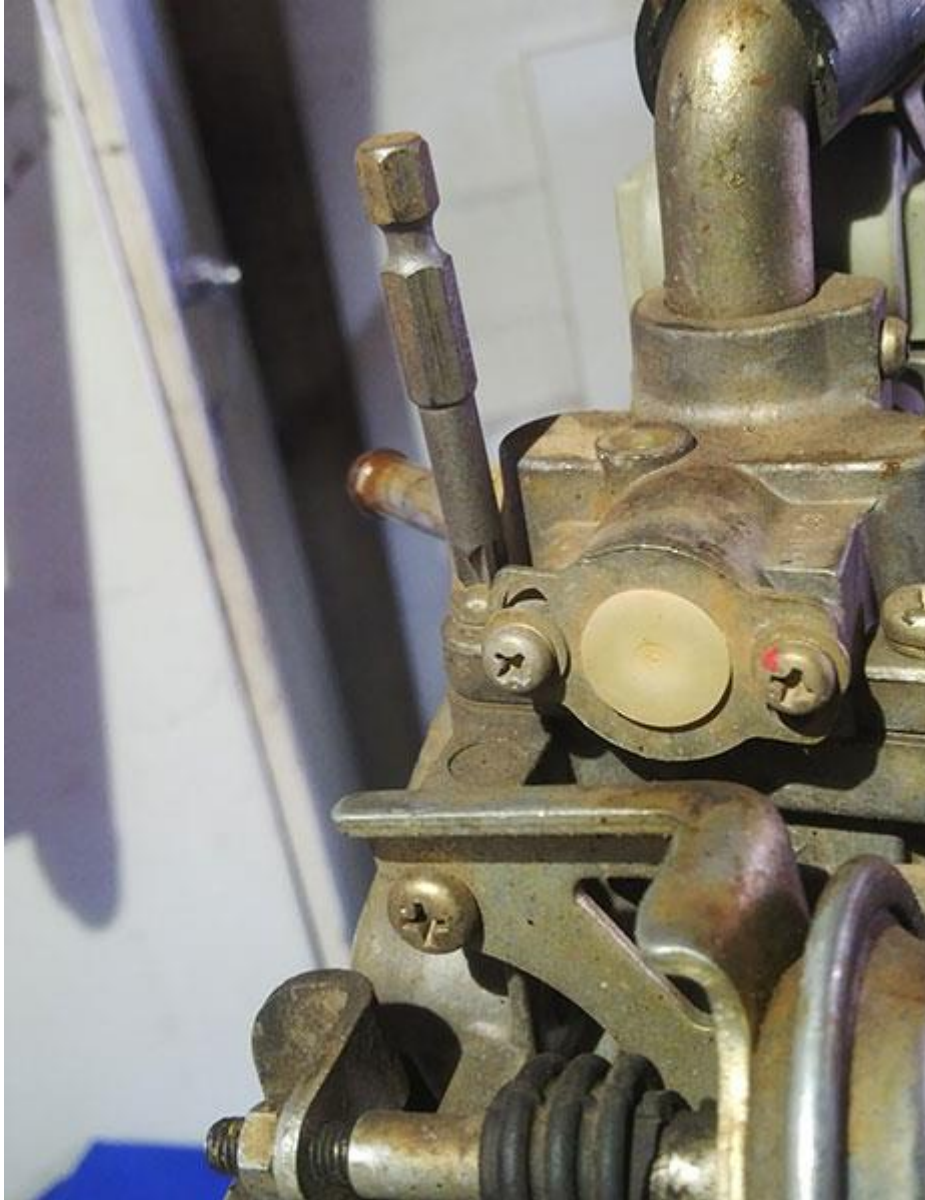
You can see the butterfly valve in the throttle body was very dirty.



dirty throttle

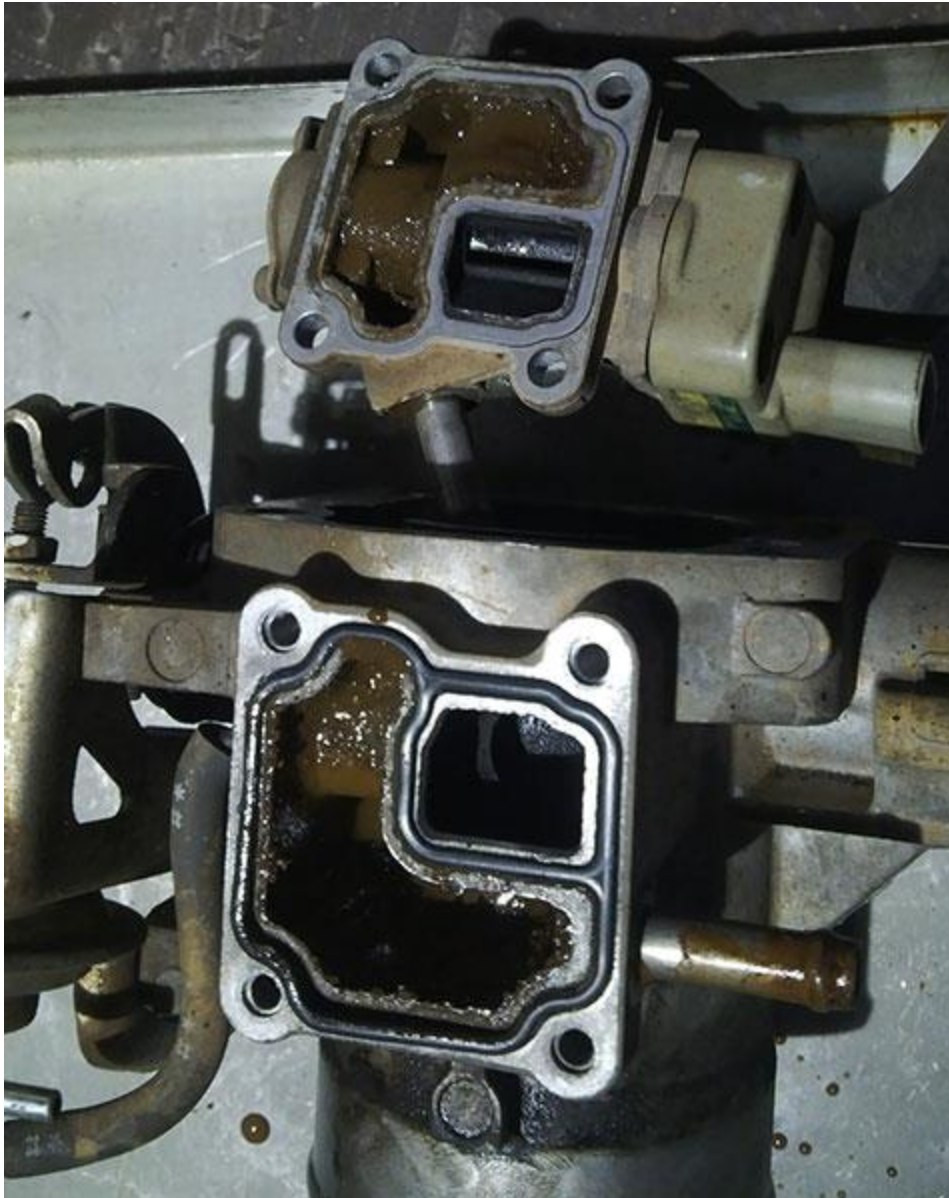


Once I removed the whole thing I had to remove the Idle Air Control valve which is situated at the bottom. It has 4 small screws. The screws were a bit tight. Remember always when you have to loosen screws which is screwed into an aluminium housing, always lightly tap them to get loose. I used one of them pozi drive bits and hit the bit lightly but firmly with a small hammer. That way you do not damage the head of the screw.



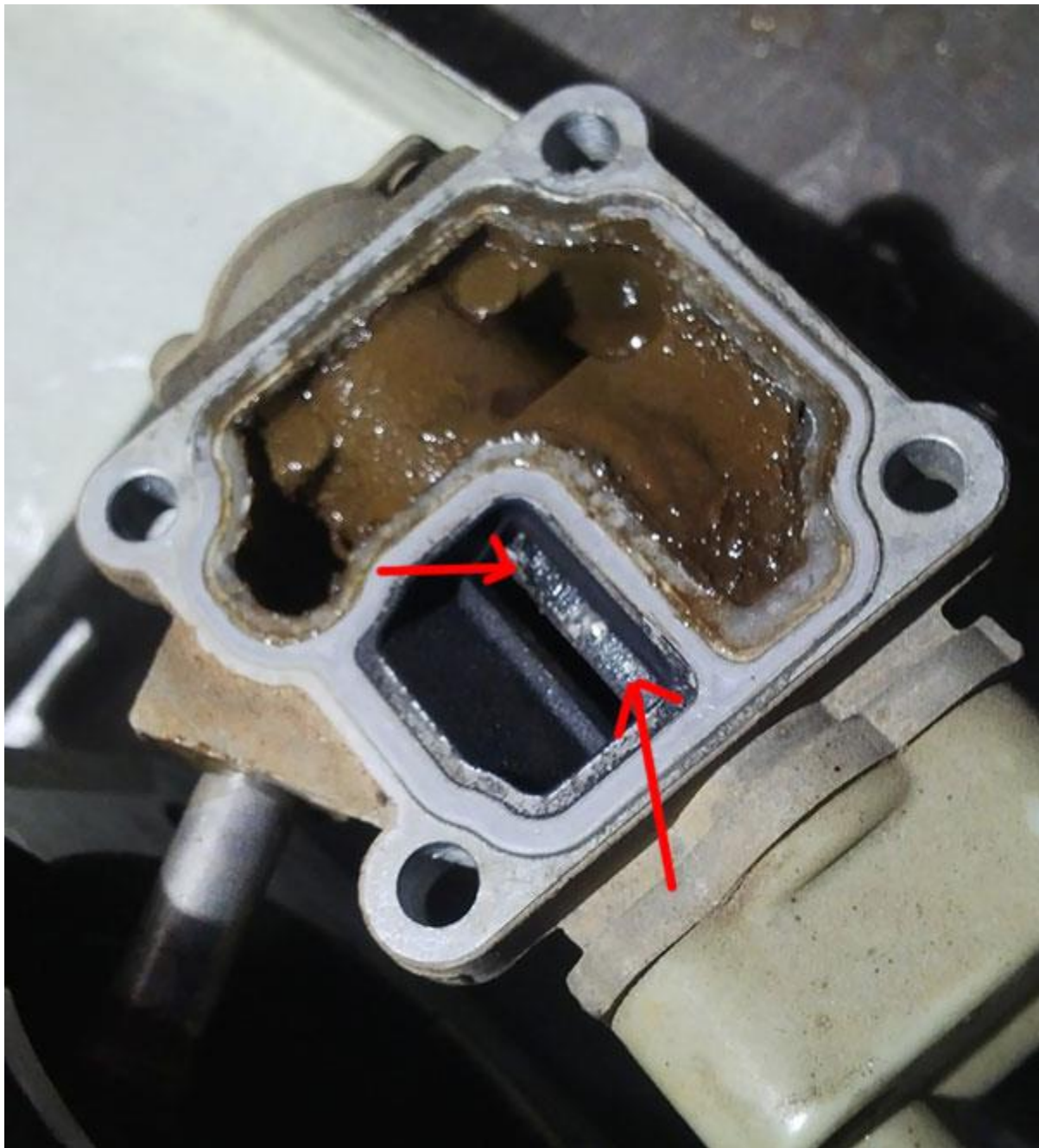
Tap screws

Unscrew the four screws and carefully separate the two parts.



opened iac 3rz

Now you can see the actual valve. It is a small half moon haft which have to rotate. The grey thing on the side is an electro magnet which activates the valve. You can remove the magnet so that you can turn the valve lightly side by side by hand.



Now use carb cleaner spray to clean this valve. Don't be shy, spray it until it is clean and it turns easily again. Do not force it to turn. Also clean the hole in the magnet and clean the end of the valve that fits inside the magnet.

You can also use the carb cleaner to clean the throttle body and butterfly valve.

Now you can put everything back together again.

Normally when I started my bakkie it was as if it hesitated before it started to idle, now it start to idle immediately after I start it. So the operation was worth the effort.