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BORED OUT & POLISHED THROTTLE BODY TO SUIT HOLDEN VS-VY V6

FITTING INSTRUCTIONS



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PART 1: REMOVAL OF OLD THROTLLE BODY

Step 1 - Locate and remove the 4 nuts holding the engine cover.





Step 2 - Lift the cover off the engine







Step 3 - Loosen the hose clamp of the hose that meets the throttle body and pull it off.





Step 4 - Bend & place the hose somewhere out of the way.





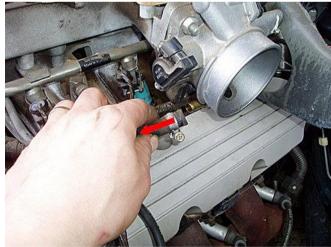
<u>Step 5</u> - Disconnect clips from electrical wires to the throttle position sensor and to the I.A.C valve.





<u>Step 6</u> - Loosen the small hose clamp on the hose running to the front of the throttle body, & remove the hose from the throttle body.







Note the 2 nuts that mount the throttle body from the front.



Step 7 - Loosen and remove these nuts.

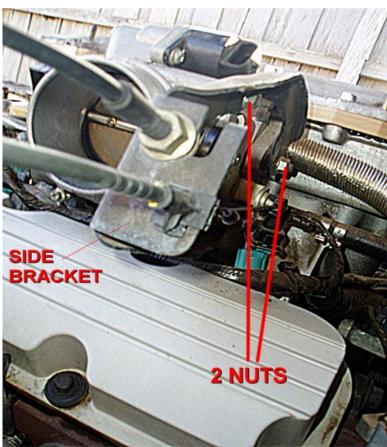






Note the throttle bodies also have 2 studs protruding from the side. These mount into the side bracket by nuts as shown below:







Step 8 - Loosen and remove these nuts.







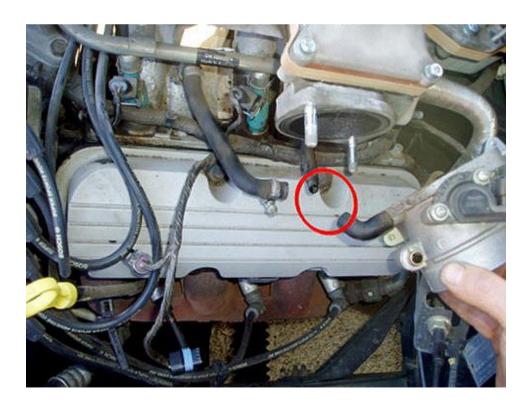


<u>Step 9</u> - The throttle body can now move outwards as the side bracket moves to the right. Free the throttle body from its fasteners.





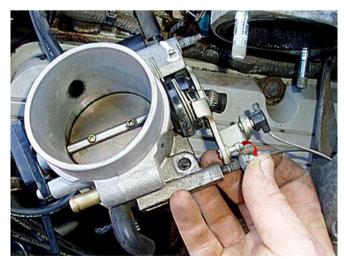
Step 10 - Hold the rubber elbow & pull it off the tube (circled above).





<u>Step 11</u> - Note there are 2 linkage cables that attach to the throttle body. The one at position A is a ball socket joint that pops out by pulling/rotating it off. The one at position B is slotted & is removed by sliding it out in 1 direction only.





Pull/rotate off the attachment at point A



Slide out the attachment at point B

The throttle body can now be removed completely.



PART 2: STRIPPING OLD THROTLLE BODY

Step1 - Remove the rubber elbow at the bottom of the throttle body.





Step 2 - Unscrew and remove the I.A.C valve.







Step 3 - Unscrew and remove the throttle position sensor.





Make sure to save the plastic square sleeve that slides off the shaft end (circled in red).



PART 3: INSTALLING NEW THROTLLE BODY

<u>Step1</u> - Insert the throttle position sensor and I.A.C valve onto the new performance throttle body using the reverse of the procedure just described.

<u>Step 2</u> - Reassemble the new throttle body using reverse of the disassembly instructions given. Ensure to include the restrictor* that came with the new throttle body. The restrictor goes into the tube that was attached to the throttle body by the rubber elbow.

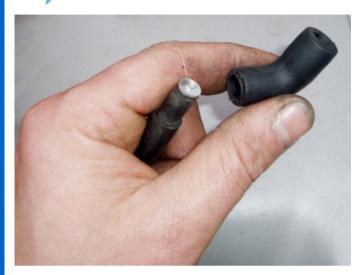


*NOTE: Installation of the restrictor isn't applicable in the case of a VS Ecotec OR on ANY vehicles running our reprogrammed memcals.











PART 4 - RESET THE CAR COMPUTER

Step 1 – Disconnect the positive terminal of the car battery. Wait for 30 seconds.



Step 2 - Turn the car on and rev to 2000 r.p.m. Hold for 20 seconds.

Installation is now complete.