

### VIAS Removal Block Plate Installation Procedure

2002 - 2008 Nissan Maxima 3.5L

2002 - 2006 Nissan Altima 3.5L

*Instructions can also be used for most other FWD Nissans with the 3.5L motor*

**Disclaimer:** This product should only be installed by a qualified mechanic. If you decide to do the install yourself, please read everything and make sure you understand everything before beginning. NWP Engineering is not responsible for the content of these instructions. This write-up is to be used only as a guideline to help you during the installation process. Refer to the correct Factory Service Manual for the most accurate and up to date information. NWP Engineering shall have absolutely no liability relating to the use, non-use, improper use, installation or removal of this product. This product is not intended for use on public roads and is not DOT approved. Please use common sense and ask a qualified mechanic if you have any questions. Also, feel free to contact us if you need help!

**Note:** This block plate is designed to be installed with the OEM VIAS gasket. But, RTV silicone sealant can be used instead of the gasket.

**Tools/Materials Needed:** Basic Metric Socket set, Basic Metric Open-Ended Wrench set, Metric Allen Wrench set, Pliers, Torque Wrench, Permatex Ultra Black RTV Silicone Gasket Maker (598B) or equivalent (optional)

**Estimated Labor Time:** less than 30 minutes

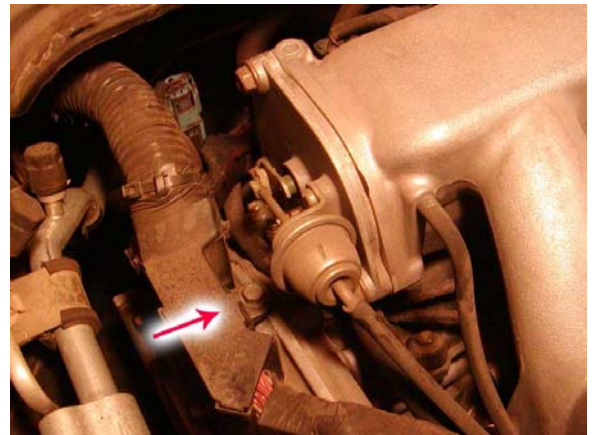
- 1) Remove the engine cover by removing the 4 socket head cap bolts. Use a 5mm allen wrench for this.
- 2) Remove the wiring bundle bracket bolt using a 10mm socket. (Pic 1)
- 3) Remove another wiring bundle bracket bolt. (Pic 2)
- 4) Now that you have the bundle of wires free, carefully move them away from the VIAS actuator in order to have enough room to remove the stock VIAS assembly.
- 5) Remove the VIAS Actuator vacuum hose from the VIAS Solenoid and install the black vacuum cap on the solenoid orifice shown. (Pic 3)

Note: The vacuum cap should be a tight fit so you may have to moisten it. Also, make sure you slide the vacuum cap as far as it will go onto the solenoid orifice.

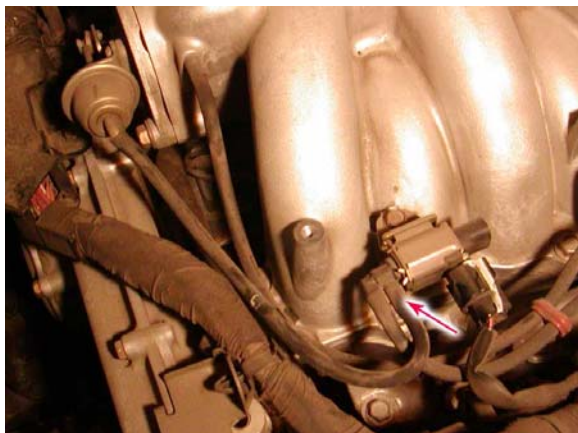
- 6) With a 12mm socket and/or open-ended wrench, remove the 3 bolts holding the VIAS assembly to the intake manifold. (Pic 4)



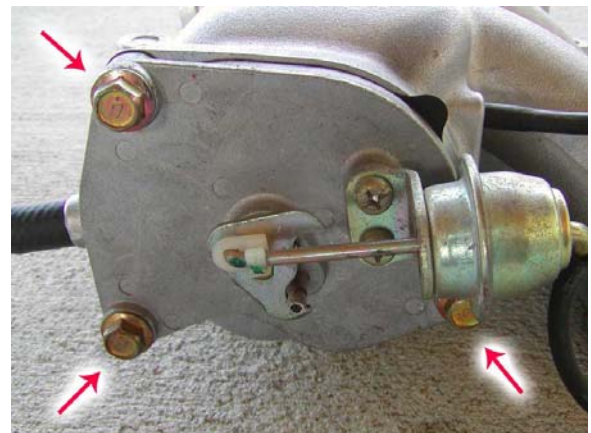
Pic 1



Pic 2



Pic 3



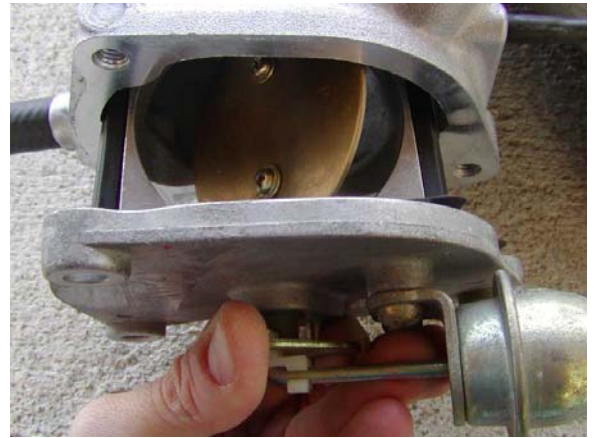
Pic 4

7) Remove the VIAS assembly from the intake manifold by partially closing the butterfly valve. This will allow it to slide straight out. (Pic 5)

Note: Make sure the VIAS gasket (Pic 6) and black gasket strip (Pic 7) comes out along with the VIAS assembly.

8) Install the NWP Engineering VIAS Block Plate along with the stock gasket.

Note: It is ok to reuse the stock VIAS gasket to seal the block plate as long as the gasket is in good condition. If you feel the OEM gasket is in poor condition or you don't have an OEM gasket, you can use Black RTV Silicone Gasket Maker without using a VIAS gasket.



Pic 5



Pic 6



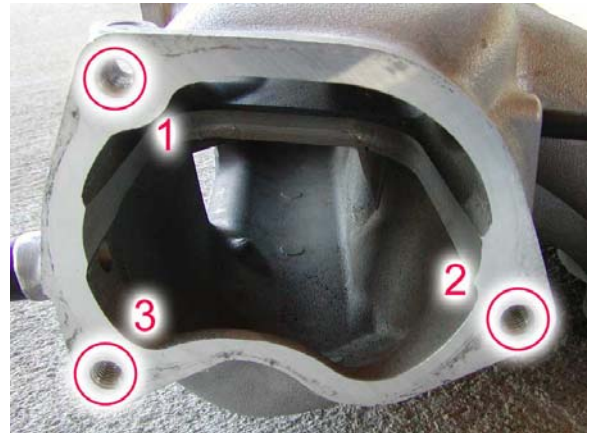
Pic 7

9) Use the 3 zinc plated bolts that came in your kit. Carefully thread the bolts into place while holding the block plate steady.

Note: These bolts are shorter and will provide a cleaner, nicer looking install.

10) Torque the VIAS bolts in numerical order to 13 - 15 ft-lb. (Pic 8)

11) Now secure the two wiring bundle brackets and install the engine cover and you're done!



Pic 8

