

Self Programming Throttle Position Activation Switch PN 15961

The NX TPAS is more durable and contains short circuit protection that other, similar products, do not. The TPAS is designed to work with most domestic and import EFI vehicles. The 15961 is designed to trigger a relay, 1 amp maximum current draw, at or near wide open throttle and automatically calibrates itself to work with rising or falling signal.

1. Unlike other currently available units, the NX TPAS may be installed under the hood. Mount the unit in a place so access the learn button and view the LEDs. Make sure the unit is located away from any heat source, i.e. exhaust manifold, header, or EGR.
2. Following the wiring diagram, route all wires but make no connections.
3. You must determine which wire on your vehicle's TPS is the output signal to the vehicles computer. Refer to your vehicle's service manual to determine which is the output wire. Connect all the wires as shown in the diagram. When the switch is wired you will need to turn the key to the on position, it is not necessary to start the vehicle. Now if the switch has never been programmed the GREEN LED will blink fast. If it has been programmed it will be ON. Either way the switch needs to put in learn mode.
4. This switch works with rising or falling TPS signal as long as it has at least a 1v deviation between idle & wide open throttle. When in learn mode, the unit first does a 5 second idle signal analysis. If too much signal noise is found, it flashes an error (this is to catch a bad TPS or when connected to wrong wire).

5. Once the switch is wired according to the schematic, you will need to put it in learn mode. Learn mode is achieved by pushing and holding the button for 3 seconds, at which point the GREEN LED on the switch will blink slow. This tells you it is checking the TPS idle voltage. This takes approx. 4 seconds. **DO NOT** change the throttle position during this time. Once the GREEN LED turns off you can proceed.

6. Now take the vehicle to full throttle and back to idle two times. If the GREEN LED is ON solid, then your TPS is set. If the GREEN LED is flashing, the TPS Switch detected a variation between the 1st and 2nd full throttle position and as a precaution, did not learn that setting. You will need to turn off the switch and start the learn procedure again. If the GREEN LED is still OFF, the TPS signal range may be too small or you have the switch connected to the wrong wire.

NOTE: Once the switch has learned your full throttle position, the GREEN LED will be ON when ever the switch has power and the RED LED will be on when the switch sees full throttle.

