

DynoTune TPS Switch Installation Instructions

INSTALLATION:

- 1) Warning! Mount the DynoTune TPS switch in a location so adjustments are simple but away from moving or hot parts! Keep all wires away from ignition wire!
- 2) Make sure the battery is disconnected before you start.
- 3) Attach the **Black wire** to a solid ground.
- 4) Attach the **Red wire** to your Arming Switch. 12V power will be applied to this red wire when nitrous is armed.
Note: Its recommended to hook this to a fuse inline or a fused location of 5 amps.
- 5) Attach the **Blue wire** to your TPS wire signal that has the 0-5V output. Typical output will be about 4.5V at wide-open throttle. Check with your service manual to find the correct color wire on your TPS switch mounted to your throttle body.
- 6) **Red/White wire** This wire provides 12 volt power when the TPS is activated, Use it to control a relay's power to turn it on. The other side of the relay should be grounded. Attach this wire to your Nitrous Relay (Do not connect directly to your solenoids as you **WILL** damage the TPS switch).. See schematic below.
- 7) **Black/White wire** This wire provides a connection to ground when the TPS is activated, use it to control a relay's ground to turn the relay on. The other side of the relay should go to 12V. Attach this wire to your Nitrous Relay (Do not connect directly to your solenoids as you **WILL** damage the TPS switch).. See schematic below.

ADJUSTMENTING / PROGRAMMING THE TPS:

- 1) Make sure your solenoids are not hooked up or fuse removed so the solenoids will not open during the adjustment process.
- 2) Start the vehicle and power on the TPS. The led will flash RED to indicate that the TPS switch point is not programmed.
- 3) Press and hold the program button for 3 seconds. The led will go solid red for a few seconds while monitoring your TPS sensor voltage, DO NOT TOUCH THE GAS PEDAL AT THIS POINT.
- 4) The led will now flash GREEN and RED. DO NOT SHUT OFF THE ENGINE UNTIL DONE WITH PROGRAMMING!

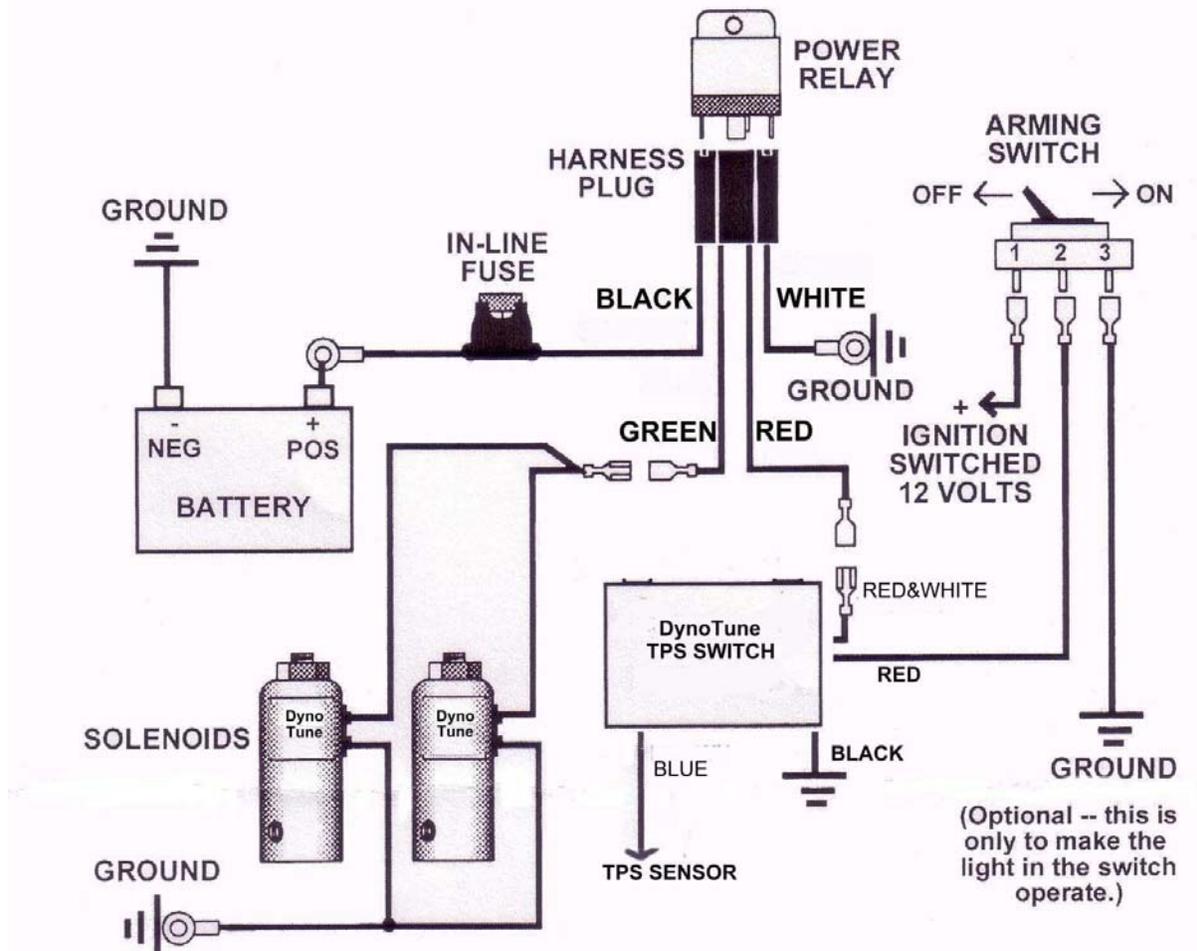
- 5) Drive the vehicle and do a few quick wide open throttle cycles. Caution. This should be performed on a dynamometer or at the race track to avoid any dangerous situations. Stop the car but **DO NOT SHUT THE ENGINE OFF!**
- 6) The led should be flashing **GREEN** letting you know it acquired a good wide open throttle voltage. If the led is flashing **RED** then it did not program correctly. At any point if the unit gets stuck in a weird mode, simply press and hold the program button down until the led flashes **RED**. Once the unit is reset try again from the beginning.
- 7) Press and hold the program button until the **GREEN** led stays on, then release the program button quickly!
- 8) Turn the TPS power off and shut the engine down.
- 9) Connect your solenoids.

Normal operation after the unit is programmed:

The led should be **GREEN** when power to TPS switch is on.

The led should be **BLUE** when the TPS switch senses 95% throttle opening.

Wiring below shows the TPS configured to send 12V to the power relay at WOT.



Wiring below shows the TPS configured to ground the white relay wire at WOT.

