



### **Fuel Pressure Safety Switch 4.5PSI (Carb's)**

The DynoTune Fuel pressure safety switch is designed to protect your engine from a lean condition caused by a low fuel pressure condition. The best location to mount the switch is at the outlet of the fuel pump at or near the fuel tank. The Pressure will drop here before the engine giving you a “Heads up” that something has gone wrong. The next best location is the high-pressure side of the Fuel pressure regulator. The switch is preset approximately to 4.5 but is adjustable (3.5 to 10PSI) PSI. To adjust the switch point remove the rubber plug from the back and use a hex wrench, turning the screw clockwise increases the “Shut-off” point. Example, turning the screw one turn clockwise will make the switch operate at 6.5 PSI meaning that the Nitrous system will shut down with any fuel pressure lower than 6.5 PSI.

**NOTE:** you must use an accurate fuel pressure gauge during the adjustment process.

**NOTE:** The switch is a low current switch, running high current devices like solenoids directly through the switch contacts will destroy the switch and void your warranty.

**NOTE:** Do not install the FPSS between the fuel pressure regulator and the fuel solenoid as slight pressure drops will cause the Nitrous system to turn on and off erratically.

### **Testing the Safety Switch**

With the nitrous bottle “off” turn the nitrous system-arming switch “on”. Test the system by “blipping the nitrous activation switch, if you wiring is correct nothing should happen. Now turn “on” the fuel pump, “blip” the nitrous switch again, the solenoids should click (be careful not to flood the engine with fuel, just one short click will tell you if the system is working.

**NOTE:** The electrical diagram below should be followed exactly for the proper operation of this device.

### **Fuel Pressure Safety Switch 35PSI (EFI)**

The DynoTune Fuel pressure safety switch is designed to protect your engine from a lean condition caused by A low fuel pressure condition. The best location to mount the switch is at the outlet of the fuel Rail Test port or at the fuel solenoid inlet port. The switch is preset approximately to 35 PSI but is adjustable (25-60PSI). To adjust the switch point remove the rubber plug from the back and use a hex wrench, turning the screw clockwise increases the “Shut-off” point. Example, turning the screw one turn clockwise will make the switch operate at 40 PSI meaning that the Nitrous system will shut down with any fuel pressure lower than 40 PSI.

**NOTE:** you must use an accurate fuel pressure gauge during the adjustment process.

**NOTE:** The switch is a low current switch, running high current devices like solenoids directly through the switch contacts will destroy the switch and void your warranty.

