



**EXHAUST GAS
DIFFERENTIAL**



FUEL TANK



POWER STEERING



BAROMETRIC



BRAKE FLUID



**MANIFOLD
ABSOLUTE**

PRESSURE SENSORS



EGR PRESSURE

EGR pressure sensors measure the delta pressure in the EGR system which is used by the ECM to verify EGR valve operation. Delta pressure is a compared measurement of pressure between ambient air pressure and the positive pressure that should be in a functioning EGR system.





**POWER BRAKE
BOOSTER VACUUM**



SUPERCHARGER



**EXHAUST
BACKPRESSURE**



**MANIFOLD
DIFFERENTIAL**



**AUTOMATIC
TRANSMISSION OIL**



FUEL INJECTION



FUEL TANK PRESSURE (FTP)

Fuel tank pressure sensors are located on top of the fuel tank or EVAP line, there it converts fuel tank pressure into an electrical input to the ECM. The vehicle computer uses the fuel tank pressure sensor to verify EVAP system operation. This sensor is crucial to monitoring vehicle emissions output.



MANIFOLD ABSOLUTE PRESSURE (MAP)

MAP sensors can be mounted directly onto the intake manifold or mounted remotely with a vacuum hose going to the intake manifold. This sensor is a major contributor to fuel injector pulse width and ignition and valve timing, reporting engine load to the engine computer.