



General Motors fuel pump tech sheet

For better operation of the vehicle that your new KPM Fuel Systems fuel pump module is being fitted to it is important to set the operating pressures correctly in your vehicles PCM and FSCM where applicable.

As we test every module before it is shipped we have operating pressures recorded for each specific part number

Part number	Idle Pressure (max pressure)	Full Load Pressure (min pressure)
KPMCOM800	75.4 psi	50 psi
KPMCAM800		
KPMCOM1000	75.4 psi	50 psi
KPMCAM1000		
KPMCOM1500	81-84 psi	50 psi
KPMCAM1500		

As these pressures are the base operating pressure in the testing station they can be used directly into the vehicles calibration.

However as we have found minor variances from vehicle to vehicle it is recommended to manually check pressures on vehicle when able to do so preferably at the fuel rail and use observed pressure to populate tables in the calibration. Which should be the same or extremely close to testing pressure.

- Please note: KPMCOM800 KPMCAM800/ KPMCOM1000 KPMCAM1000/ KPMCOM1500 KPMCAM1500 Fuel modules.

All of the 3 modules listed have been manufactured and designed to run at the listed pressures at idle and light cruise. They have also been designed to **decrease** the fuel pressure while applying engine load for **increased** fuel demand. This is how the system is designed to perform and is absolutely what you will expect to see while logging fuel pressures on road or dyno.

All 3 modules are designed to perfectly supply fuel down to a minimum pressure of 50 psi at full demand for its power rating.

***For KPMCOM1500** and KPMCAM1500 the FSCM will need to be re calibrated also to turn off DTC's to account for thebypass of the FSCM with supplied wiring harness.

In the FCSM under FUEL SYSTEM – DTCs

Uncheck the ticked boxes and select NO ERROR REPORTED for the following DTC's

P018B – P018C – P018D – P0231 – P0232 – P023F – P025A – P064A – P1255 – P2635

IF THESE CODES ARENT TURNED OFF THEN THE KPM PWM WILL NOT BE ABLE TO FOLLOW THE FACTORY FSCM AND PRESSURE WILL REMAIN HIGH AND IN TURN REDUCE FLOW RATE FROM THE FUEL PUMP MODULE.

In the PCM under ENGINE DIAGNOSTICS – DTC's

Uncheck the ticked boxes and select NO ERROR REPORTED for the following DTC's

P0230 – P069E