

OFFSET & MULTIPLIER VALUES ///

The “Offset” and “Multiplier” values are only for customers that have replaced their OEM fuel sensor with the AMS Red Alpha High Pressure Fuel Sensor (ALP.28.07.0010-1) on the direct injection rail.

Offset (MPa) = - 4.3
Multiplier (MPa/V) = 6.30

Codes That May Appear During Installation:

Turning off these codes ensures that the ECU will not falsely throw a DTC when running the Alpha FPS. The reasoning for turning off these codes, is that during normal operation the voltage from the sensor will differ from that of the factory sensor. The ECU compares these new sensor voltage readings to a known value range for diagnostics, and since the voltage differs from the predetermined diagnostic thresholds, error reporting function is then determining an error and reporting the DTC. Ideally, the better route for calibration other than turning off the codes would be to calibrate the diagnostic thresholds for the fuel pressure sensor, but these tables are currently unavailable in the current software revision.

P0193 - Fuel rail pressure sensor “A” circuit high
P119C - FUEL PRESSURE SENSOR (Fuel pressure sensor)

Any questions or concerns that are not outlined in this guide should be forwarded to your AMS sales representative.

Thank you and enjoy!