

Gas Engine Performance Modifications

- Air induction system modification (Sec. C.1.2)
 - Cold air intake
 - Throttle body spacer
- Blow off valve (Sec. C.2.1.2)

Section B: Determining the Existence of an Aftermarket Calibration

This section should be used when the vehicle being serviced currently has or possibly had an aftermarket PCM calibration. Complete all sections (B.1-B.2).

B.1 Abnormalities in Calibration File Name

1. Pull Mode 9 data with IDS

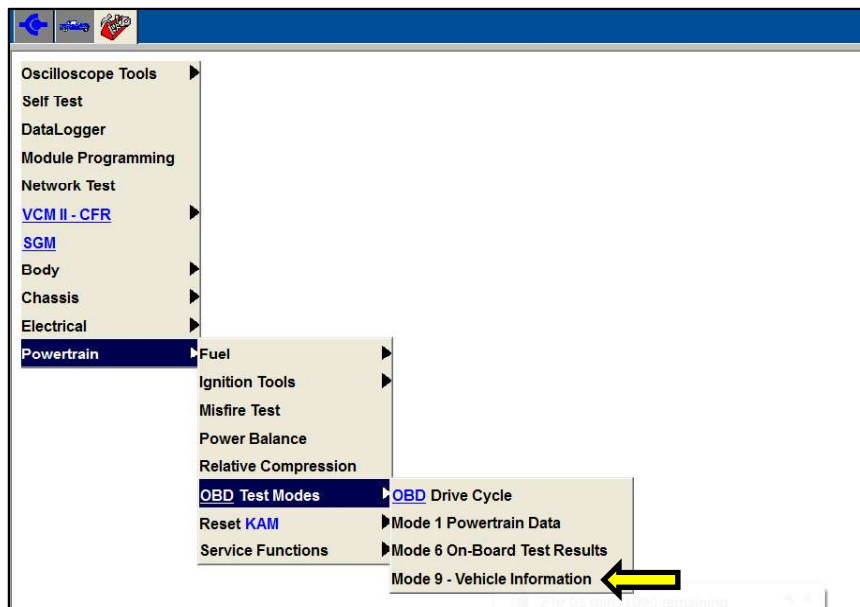


Figure 15: Mode 9 Data

2. View calibration file name in Mode 9 Data.
3. Look for any abnormalities in calibration file name and/or revision level.
4. Refer to the Service Repair and Technical Assistance Process document for help in determining the correct calibration name, if needed.

Gas Engine Performance Modifications

PCM
VIN 1FATP8UH6F5312297
CAL SGMN2AS.H32 ←
CVN FF8B01B5

Figure 16: Calibration Name

B.2 Ignition Counter

1. Pull Mode 9 data with IDS.
2. Compare ignition counter (IGNCNTR) value to vehicle service history. If counter value is abnormally low and there is no history of a recent reflash, assume an unauthorized reflash has occurred. Refer to Chart 1.
3. Low ignition counters in conjunction with abnormal calibration naming points to an unauthorized reflash.

PCM
VIN 1FATP8UH6F5312297
CAL SGMN2AS.H32
CVN FF8B01B5
IPT_ORBDCOND = 102
IGNCNTR = 357
CATCOMP1 = 42
CATCOND1 = 102
CATCOMP2 = 0
CATCOND2 = 0
O2SCOMP1 = 161
O2SCOND1 = 102
O2SCOMP2 = 0
O2SCOND2 = 0
EGRCOMP = 174
EGRCOND = 96
AIRCOMP = 0
AIRCOND = 0
EVAPCOMP = 10
EVAPCOND = 16
SO2SCOMP1 = 80
SO2SCOND1 = 102
SO2SCOMP2 = 0
SO2SCOND2 = 0

Figure 17: Ignition Counter