

**MEFI-6 SPN's  
In Numerical Order**

<b>Revision Date: 8/16/2013</b>	<b>SPN</b>
DTC_SPN_NoCode	0
DTC_SPN_FuelLevelSensor2	38
DTC_SPN_NonEtcTps	51
DTC_SPN_SpeedSensor	84
DTC_SPN_FuelPressSensor	94
DTC_SPN_FuelPressError	94
DTC_SPN_FuelLevelSensor1	96
DTC_SPN_OilLevelWarn	98
DTC_SPN_OilPressSensor	100
DTC_SPN_OilPressWarn	100
DTC_SPN_MatSensor	105
DTC_SPN_MatWarn	105
DTC_SPN_MapSensor	106
DTC_SPN_BaroSensor	108
DTC_SPN_CoolantTempSensor	110
DTC_SPN_CoolantTempWarn	110
DTC_SPN_CoolantTempWarnExtreme	110
DTC_SPN_NonEtcGovPwmlnt	113
DTC_SPN_FuelTempSensor	174
DTC_SPN_OilTempSensor	175
DTC_SPN_OilTempWarn	175
DTC_SPN_SystemVoltageWarn	627
DTC_SPN_CalMemory	630
DTC_SPN_CrankSensor	636
DTC_SPN_Inj1	651
DTC_SPN_Inj2	652
DTC_SPN_Inj3	653
DTC_SPN_Inj4	654
DTC_SPN_Inj5	655
DTC_SPN_Inj6	656
DTC_SPN_Inj7	657
DTC_SPN_Inj8	658
DTC_SPN_FuelValve	1765
DTC_SPN_ScipSensor	3563
DTC_SPN_Est1	65541
DTC_SPN_Est2	65542
DTC_SPN_Est3	65543
DTC_SPN_Est4	65544
DTC_SPN_Est5	65545
DTC_SPN_Est6	65546
DTC_SPN_Est7	65547
DTC_SPN_Est8	65548
DTC_SPN_KnockSensor1	65551
DTC_SPN_KnockSensor2	65552
DTC_SPN_ChangeOilNow	65555
DTC_SPN_ChangeOilSoon	65555
DTC_SPN_CanBusTsc1Msg	65557
DTC_SPN_Can2BusHardware	65558
DTC_SPN_Can1BusHardware	65559
DTC_SPN_CanBusGovCmd	65560
DTC_SPN_OxyVoltage_A1	65561

**MEFI-6 SPN's  
In Numerical Order**

DTC_SPN_OxyVoltage_A2	65562
DTC_SPN_OxyVoltage_B1	65563
DTC_SPN_OxyVoltage_B2	65564
DTC_SPN_OxyFuelTrim_A	65565
DTC_SPN_OxyFuelTrim_B	65566
DTC_SPN_OxyResponse_A1	65567
DTC_SPN_OxyResponse_B1	65568
DTC_SPN_CamPhaserW	65570
DTC_SPN_CamPhaserX	65571
DTC_SPN_CamPhaserY	65572
DTC_SPN_CamPhaserZ	65573
DTC_SPN_Cpu	65580
DTC_SPN_Mhc	65581
DTC_SPN_NvRam	65582
DTC_SPN_FuelSelectInput	65585
DTC_SPN_FuelSelectOutput1	65586
DTC_SPN_FuelSelectOutput2	65587
DTC_SPN_Misfire	65590
DTC_SPN_MisfireCyl1	65591
DTC_SPN_MisfireCyl2	65592
DTC_SPN_MisfireCyl3	65593
DTC_SPN_MisfireCyl4	65594
DTC_SPN_MisfireCyl5	65595
DTC_SPN_MisfireCyl6	65596
DTC_SPN_MisfireCyl7	65597
DTC_SPN_MisfireCyl8	65598
DTC_SPN_MisfireRandom	65599
DTC_SPN_EtcTpsSentMsg	65600
DTC_SPN_EtcTps2	65601
DTC_SPN_EtcTps1	65602
DTC_SPN_EtcPps2	65604
DTC_SPN_EtcPps1	65605
DTC_SPN_EtcTps12Correlation	65610
DTC_SPN_EtcPps12Correlation	65613
DTC_SPN_EtcActuation	65615
DTC_SPN_EtcReturn	65618
DTC_SPN_V5Buff_A	65620
DTC_SPN_V5Buff_B	65621
DTC_SPN_V5Buff_C	65622
DTC_SPN_V5Buff_D	65623
DTC_SPN_Cat_A_TempSensor	65671
DTC_SPN_Cat_B_TempSensor	65672
DTC_SPN_Cat_A_TempWarn	65673
DTC_SPN_Cat_B_TempWarn	65674
DTC_SPN_Cat_A_Efficiency	65675
DTC_SPN_Cat_B_Efficiency	65676
DTC_SPN_VarGov	65690
DTC_SPN_GeneralWarn1	65701
DTC_SPN_GeneralWarn2	65702
DTC_SPN_GeneralWarn3	65703
DTC_SPN_EmergencyStopWarn	65710
DTC_SPN_CamSensorW	65723

**MEFI-6 SPN's  
In Numerical Order**

DTC_SPN_CamSensorX	65724
DTC_SPN_CamSensorY	65725
DTC_SPN_CamSensorZ	65726
DTC_SPN_DevModeCal	65730
DTC_SPN_StarterRelayDriver	66002
DTC_SPN_MilDriver	66003
DTC_SPN_SvsLamp	66004
DTC_SPN_GovStatusLamp	66005
DTC_SPN_DtcLamp3	66006
DTC_SPN_BuzzerDriver	66007
DTC_SPN_DtcLamp1	66008
DTC_SPN_DtcLamp2	66009
DTC_SPN_SlowModeLamp	66010
DTC_SPN_SpeedBasedOutput	66011
DTC_SPN_TransUpShiftOutput	66012
DTC_SPN_PowertrainRelayDriver	66013
DTC_SPN_PowertrainRelayContact	66014
DTC_SPN_CanisterPurge	66015
DTC_SPN_Egr	66016
DTC_SPN_FuelPump1Relay	66017
DTC_SPN_Tachometer	66018
DTC_SPN_OxyHeater_A1	66019
DTC_SPN_OxyHeater_B1	66020
DTC_SPN_OxyHeater_A2	66021
DTC_SPN_OxyHeater_B2	66022
DTC_SPN_FuelPump2Relay	66025
DTC_SPN_ShiftInterrupt	66026
DTC_SPN_TransOutputSpeedSensor	66027
DTC_SPN_InterCoolerRelay	66030
DTC_SPN_BoostControl	66035
DTC_SPN_OemOutput1	66040
DTC_SPN_OemOutput2	66041
DTC_SPN_OemOutput3	66042
DTC_SPN_OemOutput4	66043
DTC_SPN_ThrotBrakeOvrld	520275

## MEFI-6 Failure Mode Indicators

0 = Data valid but above normal
1 = Data valid but below normal
2 = Data erratic, intermittent or incorrect
3 = Voltage above normal or shorted high
4 = Voltage below normal or shorted low
5 = Current below normal or open circuit
6 = Current above normal or grounded circuit
7 = Mechanical system not responding or out of adjustment
8 = Abnormal frequency or pulse width
9 = Abnormal update rate
10 = Abnormal rate of change
11 = Root cause unknown
12 = Bad intelligent device or component
13 = Out of calibration
14 = Special instructions
15 = Data valid but above normal range - Least Severe Level
16 = Data valid but above normal range - Moderate Severe Level
17 = Data valid but below normal range - Least Severe Level
18 = Data valid but below normal range - Moderate Severe Level
19 = Received network data error
20-30 = Reserved for SAE assignment
31 = Not available