

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

| Revision Date: 8/16/2013 | SPN |
|---------------------------------|------------|
| 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 |

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| 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 |

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| 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_ThrotBrakeOvrdr | 520275 |

MEFI-6 Failure Mode Indicators

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| 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 |