

MEFI 7 DIAGNOSTIC TROUBLE CODES

DESCRIPTION	CODE #	FMI
DTC_SPN_BaroSensor	108	
DTC_FMI_BaroSensorCorrelation		2
DTC_FMI_BaroSensorHigh		3
DTC_FMI_BaroSensorLow		4
DTC_FMI_BaroSensorStability		10
DTC_SPN_BoostBypass	66034	
DTC_FMI_BoostBypassIneffective		7
DTC_FMI_BoostBypassShortHigh		3
DTC_FMI_BoostBypassShortLowOrOpen		5
DTC_SPN_BoostControl	66035	
DTC_FMI_BoostControlExceedLimit		0
DTC_FMI_BoostControlAccuracy		7
DTC_FMI_BoostControlShortHigh		3
DTC_FMI_BoostControlShortLowOrOpen		5
DTC_SPN_BuzzerDriver	66007	
DTC_FMI_BuzzerDriverShortHigh		3
DTC_FMI_BuzzerDriverShortLowOrOpen		5
DTC_SPN_CalMemory	630	
DTC_FMI_CalMemoryFailure		13
DTC_FMI_CalNotCompatibleWithGmCal		12
DTC_FMI_CalNotCompatibleWithHost		14
DTC_SPN_CamPhaserW	65570	
DTC_FMI_CamPhaserAccuracy		7
DTC_FMI_CamPhaserRefAngle		2
DTC_FMI_CamPhaserShortHighOrOpen		5
DTC_FMI_CamPhaserShortLow		4
DTC_SPN_CamPhaserX	65571	
DTC_FMI_CamPhaserAccuracy		7
DTC_FMI_CamPhaserRefAngle		2
DTC_FMI_CamPhaserShortHighOrOpen		5
DTC_FMI_CamPhaserShortLow		4
DTC_SPN_CamPhaserY	65572	
DTC_FMI_CamPhaserAccuracy		7
DTC_FMI_CamPhaserRefAngle		2
DTC_FMI_CamPhaserShortHighOrOpen		5
DTC_FMI_CamPhaserShortLow		4
DTC_SPN_CamPhaserZ	65573	
DTC_FMI_CamPhaserAccuracy		7
DTC_FMI_CamPhaserRefAngle		2
DTC_FMI_CamPhaserShortHighOrOpen		5
DTC_FMI_CamPhaserShortLow		4
DTC_SPN_CamSensorW	65723	
DTC_FMI_CamAngleOutOfRange		7
DTC_FMI_CamSyncFault		2

DTC_FMI_CamSignalMissing		8
DTC_SPN_CamSensorX	65724	
DTC_FMI_CamAngleOutOfRange		7
DTC_FMI_CamSyncFault		2
DTC_FMI_CamSignalMissing		8
DTC_SPN_CamSensorY	65725	
DTC_FMI_CamAngleOutOfRange		7
DTC_FMI_CamSyncFault		2
DTC_FMI_CamSignalMissing		8
DTC_SPN_CamSensorZ	65726	
DTC_FMI_CamAngleOutOfRange		7
DTC_FMI_CamSyncFault		2
DTC_FMI_CamSignalMissing		8
DTC_SPN_CanBusGovCmd	65560	
DTC_FMI_CanBusGovCmdLost		9
DTC_SPN_Can1BusHardware	65559	
DTC_FMI_CanBusHardwareFault		11
DTC_SPN_Can2BusHardware	65558	
DTC_FMI_CanBusHardwareFault		11
DTC_SPN_CanBusStblCntrlMsg	65557	
DTC_FMI_CanBusStblCntrlMsgLost		9
DTC_SPN_Cat_A_Efficiency	65675	
DTC_FMI_CatFailure		11
DTC_SPN_Cat_B_Efficiency	65676	
DTC_FMI_CatFailure		11
DTC_SPN_ChangeOilNow	65555	
DTC_FMI_ChangeOilNow		1
DTC_SPN_ChangeOilSoon	65555	
DTC_FMI_ChangeOilSoon		18
DTC_SPN_CoolantTempSensor	110	
DTC_FMI_CoolantTempSensorHigh		3
DTC_FMI_CoolantTempSensorLow		4
DTC_SPN_CoolantTempWarn	110	
DTC_FMI_CoolantTempHighWarn		15
DTC_SPN_CoolantTempWarnExtreme	110	
DTC_FMI_CoolantTempExtremeHighWarn		16

DTC_SPN_Cpu	65580	
DTC_FMI_CpuFailure		12
DTC_SPN_CrankSensor	636	
DTC_FMI_ExcessiveCrankReSync		2
DTC_FMI_CrankSyncFault		8
DTC_SPN_DevModeCal	65730	
DTC_FMI_DevModeCal		13
DTC_SPN_DtcLamp1	66008	
DTC_FMI_DtcLamp1ShortHigh		3
DTC_FMI_DtcLamp1ShortLowOrOpen		5
DTC_SPN_DtcLamp2	66009	
DTC_FMI_DtcLamp2ShortHigh		3
DTC_FMI_DtcLamp2ShortLowOrOpen		5
DTC_SPN_DtcLamp3	66006	
DTC_FMI_DtcLamp3ShortHigh		3
DTC_FMI_DtcLamp3ShortLowOrOpen		5
DTC_SPN_Egr	66016	
DTC_FMI_EgrAccuracy		7
DTC_FMI_EgrShortHighOrOpen		5
DTC_FMI_EgrShortLow		4
DTC_SPN_EmergencyStopWarn	65710	
DTC_FMI_EmergencyStopWarn		31
DTC_SPN_Est1	65541	
DTC_FMI_EstShortHighOrOpen		5
DTC_FMI_EstShortLow		4
DTC_SPN_Est2	65542	
DTC_FMI_EstShortHighOrOpen		5
DTC_FMI_EstShortLow		4
DTC_SPN_Est3	65543	
DTC_FMI_EstShortHighOrOpen		5
DTC_FMI_EstShortLow		4
DTC_SPN_Est4	65544	
DTC_FMI_EstShortHighOrOpen		5
DTC_FMI_EstShortLow		4
DTC_SPN_Est5	65545	
DTC_FMI_EstShortHighOrOpen		5
DTC_FMI_EstShortLow		4
DTC_SPN_Est6	65546	
DTC_FMI_EstShortHighOrOpen		5
DTC_FMI_EstShortLow		4
DTC_SPN_Est7	65547	

DTC_FMI_EstShortHighOrOpen		5
DTC_FMI_EstShortLow		4
DTC_SPN_Est8	65548	
DTC_FMI_EstShortHighOrOpen		5
DTC_FMI_EstShortLow		4
DTC_SPN_EtcActuation	65615	
DTC_FMI_EtcActuationFault		7
DTC_SPN_EtcPps1	65605	
DTC_FMI_EtcPps1DataRx		12
DTC_FMI_EtcPps1VoltageHigh		3
DTC_FMI_EtcPps1VoltageLow		4
DTC_SPN_EtcPps12Correlation	65613	
DTC_FMI_EtcPps12CorrelationFault		2
DTC_SPN_EtcPps2	65604	
DTC_FMI_EtcPps2DataRx		12
DTC_FMI_EtcPps2VoltageHigh		3
DTC_FMI_EtcPps2VoltageLow		4
DTC_SPN_EtcReturn	65618	
DTC_FMI_EtcReturnFault		7
DTC_SPN_EtcTpsSentMsg	65600	
DTC_FMI_EtcTpsSentMsgFault		12
DTC_SPN_EtcTps1	65602	
DTC_FMI_EtcTps1VoltageHigh		3
DTC_FMI_EtcTps1VoltageLow		4
DTC_SPN_EtcTps12Correlation	65610	
DTC_FMI_EtcTps12CorrelationFault		2
DTC_SPN_EtcTps2	65601	
DTC_FMI_EtcTps2VoltageHigh		3
DTC_FMI_EtcTps2VoltageLow		4
DTC_SPN_FeedFuelPressSensor	94	
DTC_FMI_FeedFuelPressSensorHigh		3
DTC_FMI_FeedFuelPressSensorLow		4
DTC_SPN_FeedFuelPressError	94	
DTC_FMI_FeedFuelPressHighError		15
DTC_FMI_FeedFuelPressLowError		17
DTC_SPN_FeedFuelPump1Relay	66017	
DTC_FMI_FeedFuelPump1RelayShortHighOrOpen		5
DTC_FMI_FeedFuelPump1RelayShortLow		4
DTC_SPN_FeedFuelPump2Relay	66025	

DTC_FMI_FeedFuelPump2RelayShortHighOrOpen		5
DTC_FMI_FeedFuelPump2RelayShortLow		4
DTC_SPN_FuelLevelSensor1	96	
DTC_FMI_FuelLevelSensorHigh		3
DTC_FMI_FuelLevelSensorLow		4
DTC_SPN_FuelLevelSensor2	38	
DTC_FMI_FuelLevelSensorHigh		3
DTC_FMI_FuelLevelSensorLow		4
DTC_SPN_FuelRailPressDiagSensor	1349	
DTC_FMI_FuelRailPressDiagSensorHigh		3
DTC_FMI_FuelRailPressDiagSensorLow		4
DTC_SPN_FuelRailPressSensor	157	
DTC_FMI_FuelRailPressSensorCorrelation		2
DTC_FMI_FuelRailPressSensorHigh		3
DTC_FMI_FuelRailPressSensorLow		4
DTC_SPN_FuelRailSentMsg	66032	
DTC_FMI_FuelRailSentShortHigh		3
DTC_FMI_FuelRailSentShortLow		4
DTC_FMI_FuelRailSentPressAge		9
DTC_FMI_FuelRailSentTempAge		10
DTC_SPN_FuelTempSensor	174	
DTC_FMI_FuelTempSensorCorrelationFault		2
DTC_FMI_FuelTempSensorResistanceHigh		3
DTC_FMI_FuelTempSensorResistanceLow		4
DTC_FMI_FuelTempSensorSkewedHigh		0
DTC_FMI_FuelTempSensorSkewedLow		1
DTC_SPN_GeneralWarn1	65701	
DTC_FMI_GeneralWarn1		31
DTC_FMI_GeneralWarn1RollOverActive		31
DTC_FMI_GeneralWarn1RollOverOutOfRangeLow		4
DTC_SPN_GeneralWarn2	65702	
DTC_FMI_GeneralWarn2		31
DTC_SPN_GeneralWarn3	65703	
DTC_FMI_GeneralWarn3		31
DTC_SPN_GovStatusLamp	66005	
DTC_FMI_GovStatusLampShortHigh		3
DTC_FMI_GovStatusLampShortLowOrOpen		5
DTC_SPN_HpfpPressError	66031	
DTC_FMI_HpfpPressErrorHigh		15
DTC_FMI_HpfpPressErrorLow		17
DTC_SPN_HpfpSolenoid	66029	

DTC_FMI_HpfpSolenoidCurrentHigh		6
DTC_FMI_HpfpSolenoidShortedHighOrOpenOrCurrentLow		5
DTC_FMI_HpfpSolenoidShortedLow		4
DTC_SPN_HpfpSolenoidEnbl	66028	
DTC_FMI_HpfpSolenoidEnblShortedHigh		3
DTC_FMI_HpfpSolenoidEnblShortedLowOrOpen		5
DTC_SPN_Inj1	66051	
DTC_FMI_InjShortHighOrOpen		5
DTC_FMI_InjShortLow		4
DTC_SPN_Inj2	66052	
DTC_FMI_InjShortHighOrOpen		5
DTC_FMI_InjShortLow		4
DTC_SPN_Inj3	66053	
DTC_FMI_InjShortHighOrOpen		5
DTC_FMI_InjShortLow		4
DTC_SPN_Inj4	66054	
DTC_FMI_InjShortHighOrOpen		5
DTC_FMI_InjShortLow		4
DTC_SPN_Inj5	66055	
DTC_FMI_InjShortHighOrOpen		5
DTC_FMI_InjShortLow		4
DTC_SPN_Inj6	66056	
DTC_FMI_InjShortHighOrOpen		5
DTC_FMI_InjShortLow		4
DTC_SPN_Inj7	66057	
DTC_FMI_InjShortHighOrOpen		5
DTC_FMI_InjShortLow		4
DTC_SPN_Inj8	66058	
DTC_FMI_InjShortHighOrOpen		5
DTC_FMI_InjShortLow		4
DTC_SPN_InjEnbl1	651	
DTC_FMI_InjEnblShortHigh		3
DTC_FMI_InjEnblShortLowOrOpen		5
DTC_SPN_InjEnbl2	652	
DTC_FMI_InjEnblShortHigh		3
DTC_FMI_InjEnblShortLowOrOpen		5
DTC_SPN_InjEnbl3	653	
DTC_FMI_InjEnblShortHigh		3
DTC_FMI_InjEnblShortLowOrOpen		5
DTC_SPN_InjEnbl4	654	
DTC_FMI_InjEnblShortHigh		3
DTC_FMI_InjEnblShortLowOrOpen		5

DTC_SPN_InjEnbl5	655	
DTC_FMI_InjEnblShortHigh		3
DTC_FMI_InjEnblShortLowOrOpen		5
DTC_SPN_InjEnbl6	656	
DTC_FMI_InjEnblShortHigh		3
DTC_FMI_InjEnblShortLowOrOpen		5
DTC_SPN_InjEnbl7	657	
DTC_FMI_InjEnblShortHigh		3
DTC_FMI_InjEnblShortLowOrOpen		5
DTC_SPN_InjEnbl8	658	
DTC_FMI_InjEnblShortHigh		3
DTC_FMI_InjEnblShortLowOrOpen		5
DTC_SPN_InterCoolerRelay	66030	
DTC_FMI_InterCoolerRelayShortHigh		3
DTC_FMI_InterCoolerRelayShortLowOrOpen		5
DTC_SPN_KnockExcessive	65550	
DTC_FMI_KnockExcessive_LowOctane		16
DTC_SPN_KnockSensor1	65551	
DTC_FMI_KnockSensorInactive		1
DTC_FMI_KnockSensorOpen		5
DTC_FMI_KnockSensorShortHigh		3
DTC_FMI_KnockSensorShortLow		4
DTC_SPN_KnockSensor2	65552	
DTC_FMI_KnockSensorInactive		1
DTC_FMI_KnockSensorOpen		5
DTC_FMI_KnockSensorShortHigh		3
DTC_FMI_KnockSensorShortLow		4
DTC_SPN_MapSensor	106	
DTC_FMI_MapSensorCorrelation		2
DTC_FMI_MapSensorHigh		3
DTC_FMI_MapSensorLow		4
DTC_FMI_MapSensorSkewedHigh		0
DTC_FMI_MapSensorSkewedLow		1
DTC_SPN_MatSensor	105	
DTC_FMI_MatSensorHigh		3
DTC_FMI_MatSensorLow		4
DTC_SPN_MatWarn	105	
DTC_FMI_MatHighWarn		15
DTC_SPN_Mhc	65581	
DTC_FMI_MhcFailure		12
DTC_SPN_MilDriver	66003	
DTC_FMI_MilDriverShortHigh		3

DTC_FMI_MilDriverShortLowOrOpen		5
DTC_SPN_Misfire	65590	
DTC_FMI_Misfire		7
DTC_SPN_MisfireCyl1	65591	
DTC_FMI_Misfire		7
DTC_SPN_MisfireCyl2	65592	
DTC_FMI_Misfire		7
DTC_SPN_MisfireCyl3	65593	
DTC_FMI_Misfire		7
DTC_SPN_MisfireCyl4	65594	
DTC_FMI_Misfire		7
DTC_SPN_MisfireCyl5	65595	
DTC_FMI_Misfire		7
DTC_SPN_MisfireCyl6	65596	
DTC_FMI_Misfire		7
DTC_SPN_MisfireCyl7	65597	
DTC_FMI_Misfire		7
DTC_SPN_MisfireCyl8	65598	
DTC_FMI_Misfire		7
DTC_SPN_MisfireRandom	65599	
DTC_FMI_Misfire		7
DTC_SPN_NonEtcTps	51	
DTC_FMI_NonEtcTpsHigh		3
DTC_FMI_NonEtcTpsLow		4
DTC_FMI_NonEtcTpsSkewedHigh		0
DTC_SPN_NvRam	65582	
DTC_FMI_NvRamFailure		2
DTC_SPN_OemOutput1	66040	
DTC_FMI_OemOutput1ShortHigh		3
DTC_FMI_OemOutput1ShortLowOrOpen		5
DTC_SPN_OemOutput2	66041	
DTC_FMI_OemOutput2ShortHigh		3
DTC_FMI_OemOutput2ShortLowOrOpen		5
DTC_SPN_OemOutput3	66042	
DTC_FMI_OemOutput3ShortHigh		3
DTC_FMI_OemOutput3ShortLowOrOpen		5
DTC_SPN_OemOutput4	66043	
DTC_FMI_OemOutput4ShortHigh		3

DTC_FMI_OemOutput4ShortLowOrOpen		5
DTC_SPN_OemSignalLamp_LF	66060	
DTC_FMI_OemSignalLampShortHigh		3
DTC_FMI_OemSignalLampShortLowOrOpen		5
DTC_SPN_OemSignalLamp_RF	66061	
DTC_FMI_OemSignalLampShortHigh		3
DTC_FMI_OemSignalLampShortLowOrOpen		5
DTC_SPN_OemSignalLamp_LR	66062	
DTC_FMI_OemSignalLampShortHigh		3
DTC_FMI_OemSignalLampShortLowOrOpen		5
DTC_SPN_OemSignalLamp_RR	66063	
DTC_FMI_OemSignalLampShortHigh		3
DTC_FMI_OemSignalLampShortLowOrOpen		5
DTC_SPN_OilLevelWarn	98	
DTC_FMI_OilLevelLowWarn		17
DTC_SPN_OilPressSensor	100	
DTC_FMI_OilPressSensorHigh		3
DTC_FMI_OilPressSensorLow		4
DTC_FMI_DiscreteOilPressSensorInactive		11
DTC_SPN_OilPressWarn	100	
DTC_FMI_OilPressLowWarn		17
DTC_SPN_OilTempSensor	175	
DTC_FMI_OilTempSensorHigh		3
DTC_FMI_OilTempSensorLow		4
DTC_SPN_OilTempWarn	175	
DTC_FMI_OilTempHighWarn		15
DTC_SPN_OxyFuelTrim_A	65565	
DTC_FMI_OxyFuelTrimHigh		0
DTC_FMI_OxyFuelTrimLow		1
DTC_SPN_OxyFuelTrim_B	65566	
DTC_FMI_OxyFuelTrimHigh		0
DTC_FMI_OxyFuelTrimLow		1
DTC_SPN_OxyHeater_A1	66019	
DTC_FMI_OxyHeaterShortHigh		3
DTC_FMI_OxyHeaterShortLowOrOpen		5
DTC_FMI_OxyHeaterDutyCycleHigh		8
DTC_SPN_OxyHeater_A2	66021	
DTC_FMI_OxyHeaterShortHigh		3
DTC_FMI_OxyHeaterShortLowOrOpen		5
DTC_FMI_OxyHeaterDutyCycleHigh		8
DTC_SPN_OxyHeater_B1	66020	

DTC_FMI_OxyHeaterShortHigh		3
DTC_FMI_OxyHeaterShortLowOrOpen		5
DTC_FMI_OxyHeaterDutyCycleHigh		8
DTC_SPN_OxyHeater_B2	66022	
DTC_FMI_OxyHeaterShortHigh		3
DTC_FMI_OxyHeaterShortLowOrOpen		5
DTC_FMI_OxyHeaterDutyCycleHigh		8
DTC_SPN_OxyResponse_A1	65567	
DTC_FMI_OxyResponseInsufficientSwitching		8
DTC_FMI_OxyResponseSlow		10
DTC_SPN_OxyResponse_B1	65568	
DTC_FMI_OxyResponseInsufficientSwitching		8
DTC_FMI_OxyResponseSlow		10
DTC_SPN_OxyVoltage_A1	65561	
DTC_FMI_OxyVoltageOpen		5
DTC_FMI_OxyVoltageLow		4
DTC_FMI_OxyVoltagePeLow		1
DTC_FMI_OxyVoltageHigh		3
DTC_FMI_OxyVoltageDeHigh		0
DTC_SPN_OxyVoltage_A2	65562	
DTC_FMI_OxyVoltageOpen		5
DTC_FMI_OxyVoltageLow		4
DTC_FMI_OxyVoltagePeLow		1
DTC_FMI_OxyVoltageHigh		3
DTC_FMI_OxyVoltageDeHigh		0
DTC_SPN_OxyVoltage_B1	65563	
DTC_FMI_OxyVoltageOpen		5
DTC_FMI_OxyVoltageLow		4
DTC_FMI_OxyVoltagePeLow		1
DTC_FMI_OxyVoltageHigh		3
DTC_FMI_OxyVoltageDeHigh		0
DTC_SPN_OxyVoltage_B2	65564	
DTC_FMI_OxyVoltageOpen		5
DTC_FMI_OxyVoltageLow		4
DTC_FMI_OxyVoltagePeLow		1
DTC_FMI_OxyVoltageHigh		3
DTC_FMI_OxyVoltageDeHigh		0
DTC_SPN_PowertrainRelayContact	66014	
DTC_FMI_PowertrainRelayContactLow		4
DTC_SPN_PowertrainRelayDriver	66013	
DTC_FMI_PowertrainRelayDriverShortHigh		3
DTC_FMI_PowertrainRelayDriverShortLowOrOpen		5
DTC_SPN_ScipSensor	3563	
DTC_FMI_ScipSensorCorrelation		2
DTC_FMI_ScipSensorHigh		3

DTC_FMI_ScipSensorLow		4
DTC_FMI_ScipSensorSkewedHigh		0
DTC_FMI_ScipSensorSkewedLow		1
DTC_SPN_ShiftInterrupt	66026	
DTC_FMI_ShiftInterruptFault		7
DTC_SPN_SlowModeLamp	66010	
DTC_FMI_SlowModeLampShortHigh		3
DTC_FMI_SlowModeLampShortLowOrOpen		5
DTC_SPN_SpeedBasedOutput	66011	
DTC_FMI_SpeedBasedOutputShortHigh		3
DTC_FMI_SpeedBasedOutputShortLowOrOpen		5
DTC_SPN_SpeedSensor	84	
DTC_FMI_SpeedSensorAnalogHigh		3
DTC_FMI_SpeedSensorAnalogLow		4
DTC_FMI_SpeedSensorCanMsgLost		12
DTC_FMI_SpeedSensorErratic		2
DTC_FMI_SpeedSensorSkewedLow		1
DTC_SPN_StarterRelayDriver	66002	
DTC_FMI_StarterRelayDriverShortHighOrOpen		5
DTC_FMI_StarterRelayDriverShortLow		4
DTC_SPN_SvsLamp	66004	
DTC_FMI_SvsLampShortHigh		3
DTC_FMI_SvsLampShortLowOrOpen		5
DTC_SPN_SystemVoltageWarn	627	
DTC_FMI_SystemVoltageHighWarn		15
DTC_FMI_SystemVoltageLowWarn		17
DTC_SPN_Tachometer	66018	
DTC_FMI_TachometerShortHigh		3
DTC_FMI_TachometerShortLowOrOpen		5
DTC_SPN_TiapSensor	3562	
DTC_FMI_TiapSensorCorrelation		2
DTC_FMI_TiapSensorHigh		3
DTC_FMI_TiapSensorLow		4
DTC_FMI_TiapSensorSkewedHigh		0
DTC_FMI_TiapSensorSkewedLow		1
DTC_SPN_V5Buff_A	65620	
DTC_FMI_V5BuffLow		4
DTC_SPN_V5Buff_B	65621	
DTC_FMI_V5BuffLow		4

DTC_SPN_V5Buff_C	65622	
DTC_FMI_V5BuffLow		4
DTC_SPN_V5Buff_D	65623	
DTC_FMI_V5BuffLow		4
DTC_SPN_VarGov	65690	
DTC_FMI_VarGovHigh		3
DTC_FMI_VarGovLow		4