

## 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   |

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|------------------------------------|-------|----|
| 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 |

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|--------------------------------|-------|----|
| 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 |    |

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| 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 |    |

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|---|-------|----|
| 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 |    |

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|---|-------|---|
| 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 |

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|--|-------|----|
| 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  |

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|----------------------------------|-------|---|
| 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 |



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| 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 |    |

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| 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  |

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|--------------------|-------|---|
| 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 |