

Flash codes beginning with 1 are faults from the MCM. Flash codes beginning with 2 are faults from the CPC.

Flash Code	MCM Fault Description
1111	EGR Valve Position Circuit Failed Low
1111	EGR Valve Position Circuit Failed High
1111	EGR Valve Position Feedback Failed
1111	EGR Valve Position Feedback Failed (High Box)
1111	EGR Valve Position Feedback Failed (Low Box)
1111	EGR Valve Position Positive Torque Error
1111	EGR Valve Stuck Open
1112	Intake Air Throttle Circuit Failed Low
1112	Intake Air Throttle Circuit Failed High
1112	Intake Throttle Position Deviation Error
1112	Intake Air Throttle Position High
1112	Intake Air Throttle Position Low
1112	Intake Throttle Auto Calibration Error
1113	Fuel Compensation Pressure Sensor Circuit Failed Low
1113	Fuel Compensation Pressure Sensor Circuit Failed High
1113	Fuel Pressure Too High/Too Low
1114	Oil Level Circuit Failed Low
1114	Oil Level Circuit Failed High
1114	Engine Oil Pressure Circuit Failed Low
1114	Engine Oil Pressure Circuit Failed High
1114	Engine Oil Pressure Low
1114	Oil Pressure Plausibility - Engine Running
1114	Oil Pressure Plausibility - Stop
1115	Turbocharger Speed Not Plausible
1115	Turbo Charger Speed Below Threshold (High Box)
1115	Turbo Charger Speed Above Threshold (Low Box)
1115	Turbo Charger Speed Sensor Circuit Failed Low
1115	Turbo Charger Speed Sensor Circuit Failed High
1116	EGR System Parameterization Failure
1211	Barometric Pressure Circuit Failed Low
1211	Barometric Pressure Circuit Failed High
1211	Ambient Pressure Plausibility Fault (Low Box)
1211	Ambient Pressure Plausibility Fault (High Box)
1212	Engine Coolant Outlet Temperature Circuit Failed Low
1212	Engine Coolant Outlet Temperature Circuit Failed High
1212	Coolant Temperature High
1212	Coolant Temperature / Engine Oil Temperature Plausibility Fault
1212	Engine Coolant Sensor (OUT), General Temp. Plausibility Error
1212	Engine Coolant Inlet Temperature Circuit Failed Low
1212	Engine Coolant Inlet Temperature Circuit Failed High
1213	Intake Air Throttle Valve Closure Detection- Positive Torque
1213	Intake Air Throttle Valve Closure Detection -Braking Condition

Flash Code	MCM Fault Description
1213	Air Mass Flow Too Low
1213	Air Mass Auto Calibration Failed
1214	Ignition Switch Not Plausible
1215	Rail Pressure Governor Sensor Circuit Failed Low
1215	Rail Pressure Governor Sensor Circuit Failed High
1215	Rail Pressure Governor (High Side) Error
1215	Rail Pressure Governor (Low Side) Error
1216	DPF System Parameterization Failure
1221	Battery Voltage Low
1221	Battery Voltage High
1222	Ambient Temperature Circuit Failed Low
1222	Ambient Temperature Circuit Failed High
1223	Fuel Temperature Circuit Failed Low
1223	Fuel Temperature Circuit Failed High
1223	Fuel Temperature Sensor, General Temp. Plausibility
1223	Fuel Temperature Too High
1224	Engine Oil Temperature Circuit Failed Low
1224	Engine Oil Temperature Circuit Failed High
1224	Engine Oil Temperature Sensor Plausibility Fault
1224	Engine Oil Temperature Sensor, General Temp. Plausibility
1225	Engine Speed High
1231	Relative Humidity Circuit Failed Low
1231	Relative Humidity Circuit Failed High
1232	EGR Delta Pressure Sensor Circuit Low
1232	EGR Delta Pressure Sensor Circuit High
1232	EGR Differential Pressure Failed (High Box)
1232	EGR Differential Pressure Failed (Low Box)
1232	EGR Sampling Range Failed
1232	EGR Delta Pressure Sensor Out Of Calibration
1232	EGR Delta Pressure Sensor Out Of Calibration
1233	EGR Temperature Sensor Circuit Failed High
1233	EGR Temperature Sensor Circuit Failed Low
1233	EGR Temperature Drift (High Box)
1233	EGR Temperature Drift (Low Box)
1233	EGR Temperature Sensor, General Temp. Plausibility Error
1233	EGR Temperature Sensor / Temperature Too High
1234	Invalid Data on Engine CAN Link
1234	No Data Received from Engine CAN Link
1234	Engine CAN Low Wire Defect - (wire 1)
1234	Engine CAN High Wire Defect - (wire 2)
1235	Crankshaft Position Sensor Signal Voltage Too Low
1235	Crankshaft Position Sensor Open Circuit
1235	Crankshaft Position Sensor Short to Ground
1235	Crankshaft Position Sensor Time Out

Flash Code	MCM Fault Description
1235	Crankshaft Position Sensor Pins Swapped
1235	No Match of Camshaft and Crankshaft Signals
1241	Smart Remote Actuator 5 (VGT), No Failsafe Mode, Motor Off
1241	Smart Remote Actuator 5 (VGT), Failsafe Mode, Motor Off
1241	Smart Remote Actuator 5 (VGT), Failsafe Mode, Motor On
1241	Smart Remote Actuator 5 (VGT), Restricted Operability
1241	Smart Remote Actuator 5 (VGT), Internal Test Running
1241	Smart Remote Actuator 5 (VGT), Unknown Error Code
1241	Rail Pressure Governor Error, Open Loop Error
1241	CAN3 Communication Error
1241	Smart Remote Actuator 5 (VGT), Temperature Fault
1241	Smart Remote Actuator 5 (VGT), Temperature Warning
1242	Injector Cylinder #1 Needle Control Valve Abnormal Operation
1242	Injector Cylinder #1 Needle Control Valve Abnormal Rate of Change
1242	Injector Cylinder 1, Nozzle Control Valve or Spill Control Valve, Jammed Closed
1242	Injector Cylinder 1, Nozzle Control Valve or Spill Control Valve, Jammed Open or Leakage
1242	Injector Cylinder #1 Needle Control Valve, Valve Shorted Circuit
1242	Engine Smoothness Control / Cylinder #1 Value Out of Range
1243	Injector Cylinder #2 Needle Control Valve Abnormal Operation
1243	Injector Cylinder #2 Needle Control Valve Abnormal Rate of Change
1243	Injector Cylinder 2, Nozzle Control Valve or Spill Control Valve, Jammed Closed
1243	Injector Cylinder 2, Nozzle Control Valve or Spill Control Valve, Jammed Open or Leakage
1243	Injector Cylinder #2 Needle Control Valve, Valve Shorted Circuit
1243	Engine Smoothness Control / Cylinder #2 Value Out of Range
1244	Injector Cylinder #3 Needle Control Valve Abnormal Operation
1244	Injector Cylinder #3 Needle Control Valve Abnormal Rate of Change
1244	Injector Cylinder 3, Nozzle Control Valve or Spill Control Valve, Jammed Closed
1244	Injector Cylinder 3, Nozzle Control Valve or Spill Control Valve, Jammed Open or Leakage
1244	Injector Cylinder #3 Needle Control Valve, Valve Shorted Circuit
1244	Engine Smoothness Control / Cylinder #3 Value Out of Range
1245	Injector Cylinder #4 Needle Control Valve Abnormal Operation
1245	Injector Cylinder #4 Needle Control Valve Abnormal Rate of Change
1245	Injector Cylinder 4, Nozzle Control Valve or Spill Control Valve, Jammed Closed
1245	Injector Cylinder 4, Nozzle Control Valve or Spill Control Valve, Jammed Open or Leakage
1245	Injector Cylinder #4 Needle Control Valve, Valve Shorted Circuit
1245	Engine Smoothness Control / Cylinder #4 Value Out of Range
1251	Injector Cylinder #5 Needle Control Valve Abnormal Operation
1251	Injector Cylinder #5 Needle Control Valve Abnormal Rate of Change
1251	Injector Cylinder 5, Nozzle Control Valve or Spill Control Valve, Jammed Closed
1251	Injector Cylinder 5, Nozzle Control Valve or Spill Control Valve, Jammed Open or Leakage
1251	Injector Cylinder #5 Needle Control Valve, Valve Shorted Circuit
1251	Engine Smoothness Control / Cylinder #5 Value Out of Range
1252	Injector Cylinder #6 Needle Control Valve Abnormal Operation
1252	Injector Cylinder #6 Needle Control Valve Abnormal Rate of Change

Flash Code	MCM Fault Description
1252	Injector Cylinder 6, Nozzle Control Valve or Spill Control Valve, Jammed Closed
1252	Injector Cylinder 6, Nozzle Control Valve or Spill Control Valve, Jammed Open or Leakage
1252	Injector Cylinder #6 Needle Control Valve, Valve Shorted Circuit
1252	Engine Smoothness Control / Cylinder #6 Value Out of Range
1253	Injector Cylinder #7 Needle Control Valve Abnormal Operation
1253	Injector Cylinder #7 Needle Control Valve Abnormal Rate of Change
1253	Injector Cylinder #7 Needle Control Valve, Valve Shorted Circuit
1253	Engine Smoothness Control / Cylinder #7 Value Out of Range
1254	Injector Cylinder #8 Needle Control Valve Abnormal Operation
1254	Injector Cylinder #8 Needle Control Valve Abnormal Rate of Change
1254	Injector Cylinder #8 Needle Control Valve, Valve Shorted Circuit
1254	Engine Smoothness Control / Cylinder #8 Value Out of Range
1255	Starter Switch Inconsistent
1255	Engine Starter Relay Circuit Failed Low
1255	Engine Starter Relay Open Circuit
1255	Starter Electronic Fault / ECU internal (Main)
1255	Engine Starter Relay - Starter Does Not Engage
1255	Engine Starter Relay Shorted to High Source
1255	Engine Starter Relay Jammed
1311	Actuator Turbo Compound Bypass Circuit Failed Low
1311	Actuator Turbo Compound Bypass Circuit Failed High
1311	Actuator Turbo Compound Bypass Circuit Failed Open
1312	Grid heater Circuit Failed Low
1312	Grid heater Circuit Failed High
1312	Grid heater Circuit Failed Open
1313	Intake Throttle Valve Circuit Failed Low
1313	Intake Throttle Valve Circuit Failed High
1313	Intake Throttle Valve Circuit Failed Open
1313	Intake Air Throttle Control Electrical Fault
1313	Intake Throttle Valve, Spring Response Time Not Plausible
1313	Intake Throttle Valve, Stuck
1313	Intake Throttle Valve, Integrated Absolute Error Plausibility
1313	Intake Throttle Valve, Current Deviation Too High
1314	Fan Stage 2 Circuit Failed Low
1314	Fan Stage 2 Circuit Failed High
1314	Fan Stage 2 Circuit Failed Open
1315	Jake Brake Stage 2 Circuit Failed Low
1315	Jake Brake Stage 2 Circuit Failed High
1315	Jake Brake Stage 2 Circuit Failed Open
1316	Switchable Air Compressor Circuit Failed Low
1316	Switchable Air Compressor Circuit Failed High
1316	Switchable Air Compressor Circuit Failed Open
1321	Constant Throttle Valve Circuit Failed Low
1321	Constant Throttle Valve Circuit Failed High

Flash Code	MCM Fault Description
1321	Constant Throttle Valve Circuit Failed Open
1322	Water Pump 1 Circuit Failed Low
1322	Water Pump 1 Circuit Failed High
1322	Water Pump 1 Circuit Failed Open
1323	HC Doser Circuit Failed Low
1323	HC Doser Circuit Failed High
1323	HC Doser Circuit Failed Open
1324	Electrostatic Oil Separator Circuit Failed Low
1324	Electrostatic Oil Separator Circuit Failed High
1324	Electrostatic Oil Separator Circuit Failed Open
1325	Waste Gate Circuit Failed Low
1325	Waste Gate Circuit Failed High
1325	Waste Gate Circuit Failed Open
1325	Current Flow on HS1 IM1 Too High
1326	Oil Separator Circuit Failed Low
1326	Oil Separator Circuit Failed High
1326	Oil Separator, Max. Duration Time Reached
1331	Turbo Compound Valve Circuit Failed Low
1331	Turbo Compound Valve Circuit Failed High
1331	Turbo Compound Valve Circuit Failed Open
1332	Fuel Cut Off Valve Circuit Failed Low
1332	Fuel Cut Off Valve Circuit Failed High
1332	Fuel Cut Off Valve Circuit Failed Open
1333	MIL Lamp Circuit Failed Low
1333	MIL Lamp Circuit Failed High
1333	MIL Lamp Circuit Failed Open
1334	Fan Stage 1 Circuit Failed Low
1334	Fan Stage 1 Circuit Failed High
1334	Fan Stage 1 Circuit Failed Open
1334	DPF System Back Pressure Too High
1335	Turbo Brake Sleeve Circuit Failed Low
1335	Turbo Brake Sleeve Circuit Failed High
1335	Turbo Brake Sleeve Circuit Failed Open
1336	Water in Fuel Circuit Failed Low
1336	Water in Fuel Circuit Failed High
1341	Proportional Valve Bank 1 Circuit Failed High
1342	Proportional Valve Bank 2 Circuit Failed Low
1342	Proportional Valve Bank 2 Circuit Failed High
1343	Engine Coolant Sensor (IN), General Temp. Plausibility Error
1344	Compressor Differential Pressure Inlet Failed Low
1344	Compressor Differential Pressure Inlet Failed High
1344	Turbocharger Compressor Inlet Differential Pressure Too High (Low Box)
1344	Turbocharger Compressor Inlet Differential Pressure Too Low (High Box)
1344	Turbocharger Compressor Inlet Differential Pressure Sampling Range Failure

Flash Code	MCM Fault Description
1345	Exhaust Brake Circuit Failed Low
1345	Exhaust Brake Circuit Failed High
1345	Exhaust Brake Circuit Failed Open
1355	Function 20 Circuit Failed Low
1355	Function 20 Circuit Failed High
1355	Function 20 Circuit Failed Open
1411	EGR Water Cooling Regulator Circuit Failed Low
1411	EGR Water Cooling Regulator Circuit Failed High
1411	EGR Water Cooling Regulator Circuit Failed Open
1412	High Side Digital Output # 1 Circuit Failed Low
1412	High Side Digital Output # 1 Circuit Failed High
1412	High Side Digital Output # 2 Circuit Failed Open
1413	High Side Digital Output # 2 Circuit Failed Low
1415	Camshaft Position Sensor Signal Voltage Too Low
1415	Camshaft Position Sensor Open Circuit
1415	Camshaft Position Sensor Short to Ground
1415	Camshaft Position Sensor Time Out
1415	Camshaft Position Sensor Pins Swapped
1421	Grid Heater Circuit Failed Low
1421	Grid Heater Special Instructions
1421	Grid Heater Circuit Failed High
1421	Grid Heater Defect
1421	Grid Heater Permanently On
1422	Jake Brake Stage 1 Circuit Failed Low
1422	Jake Brake Stage 1 Circuit Failed High
1422	Jake Brake Stage 1 Circuit Failed Open
1423	Rail Pressure Governor Error, Current Governor, Current Too Low
1423	Rail Pressure Governor Error, Pressure Governor, Pressure Not Plausible
1423	Rail Pressure Governor Error, Current Too High
1424	Turbocharger Compressor Outlet Pressure Circuit Failed Low
1424	Turbocharger Compressor Outlet Pressure Circuit Failed High
1425	Turbocharger Compressor Inlet Temperature Circuit Failed Low
1425	Turbocharger Compressor Inlet Temperature Circuit Failed High
1425	Coolant Temp/Compressor Inlet Temp Plausibility Error
1425	Turbocharger Compressor Inlet Temp. Sensor, General Temp. Plausibility Error
1431	Turbocharger Compressor Inlet Pressure Circuit Failed Low
1431	Turbocharger Compressor Inlet Pressure Circuit Failed High
1431	Compressor Pressure Plausibility Fault (High Box)
1431	Compressor Inlet Pressure Plausibility Fault (Delta)
1431	Compressor Inlet Pressure Plausibility Error, Pressure Too High (High Box)
1432	Smart Remote Actuator 1 (Wastegate), No Failsafe Mode, Motor Off
1432	Smart Remote Actuator 1 (Wastegate), Failsafe Mode, Motor Off
1432	Smart Remote Actuator 1 (Wastegate), Temperature Fault
1432	Smart Remote Actuator 1 (Wastegate), Failsafe Mode, Motor On

Flash Code	MCM Fault Description
1432	Smart Remote Actuator 1 (Wastegate), Restricted Operability
1432	Smart Remote Actuator 1 (Wastegate), Temperature Warning
1432	Smart Remote Actuator 1 (Wastegate), Internal Test Running
1432	Smart Remote Actuator 1 (Wastegate), Unknown Error Code
1432	Smart Actuator Indicates Turbocharger Wastegate Position Error
1433	Cylinder 1 Misfire detected
1434	Misfire Detected
1435	Cylinder 2 Misfire detected
1441	Cylinder 3 Misfire detected
1442	Cylinder 4 Misfire detected
1443	Cylinder 5 Misfire detected
1444	Cylinder 6 Misfire Detected
1445	Cylinder 7 Misfire Detected
1446	Cylinder 8 Misfire Detected
1451	Service Push Button Circuit Failed High
1452	EEPROM Read / Write Operation Failed
1453	Smart Remote Actuator 2, No Failsafe Mode, Motor Off
1453	Smart Remote Actuator 2, Failsafe Mode, Motor Off
1453	Smart Remote Actuator 2, Temperature Fault
1453	Smart Remote Actuator 2, Failsafe Mode, Motor On
1453	Smart Remote Actuator 2, Restricted Operability
1453	Smart Remote Actuator 2, Temperature Warning
1453	Smart Remote Actuator 2, Internal Test Running
1453	Smart Remote Actuator 2, Unknown Error Code
1454	Turbocharger Compressor Outlet Differential Pressure Sensor Out Of Calibration
1454	Turbocharger Compressor Outlet Differential Pressure Sensor Out Of Calibration
1454	Turbocharger Compressor Inlet Differential Pressure Sensor Out Of Calibration
1454	Turbocharger Compressor Inlet Differential Pressure Sensor Out Of Calibration
1455	Calibration Data Not Plausible
1455	Calibration Data Not Plausible (CPLD)
1511	Intake Manifold Temperature Circuit Failed Low
1511	Intake Manifold Temperature Circuit Failed High
1511	Intake Manifold Temperature Plausibility Error
1511	Difference Intake Manifold Temperature and EGR Temp. Less Than Threshold (Low Box)
1511	Difference Intake Manifold and I Cooler Temperature Out Less Than Threshold (Low Box)
1511	Difference Intake Manifold and I Cooler Temperature Out Less Than Threshold (High Box)
1511	Intake Manifold Temperature Drift (Low Box)
1511	Intake Manifold Temperature Drift (High Box)
1512	EGR Temperature Very High
1513	Turbocharger Compressor Outlet Temperature Circuit Failed Low
1513	Turbocharger Compressor Outlet Temperature Circuit Failed High
1513	Turbocharger Out Temperature, Temperature Too High (Low Box)
1513	Turbocharger Out Temperature, Temperature Too Low (High Box)
1513	Turbocharger Compressor Outlet Temp. Sensor, General Temp. Plausibility Error

Flash Code	MCM Fault Description
1514	Charge Air Cooler Outlet Temperature Circuit Failed Low
1514	Charge Air Cooler Outlet Temperature Circuit Failed High
1514	Charge Air Cooler Outlet Temperature Sensor Plausibility Error
1514	Charge Air Outlet Temperature Drift (Low box)
1514	Charge Air Outlet Temperature Drift (High box)
1515	Turbocharger/Supercharger Boost System Performance
1515	Charge Air Cooler Outlet Pressure Circuit Failed Low
1515	Charge Air Cooler Outlet Pressure Circuit Failed High
1515	EGR Flow Target Error Diagnostic - Low Flow
1515	EGR Flow Target Error Diagnostic - High Flow
1521	Smart Actuator Indicates EGR Position Error
1521	EGR Valve Circuit Failed Low
1521	EGR Valve Circuit Failed High
1521	EGR Valve Circuit Failed Open
1521	EGR Valve Position Incorrect
1521	Smart Remote Actuator 3 (EGR), No Failsafe Mode, Motor Off
1521	Smart Remote Actuator 3 (EGR), Failsafe Mode, Motor Off
1521	Smart Remote Actuator 3 (EGR), Temperature Fault
1521	Smart Remote Actuator 3 (EGR), Failsafe Mode, Motor On
1521	Smart Remote Actuator 3 (EGR), Restricted Operability
1521	Smart Remote Actuator 3 (EGR), Temperature Warning
1521	Smart Remote Actuator 3 (EGR), Internal Test Running
1521	Smart Remote Actuator 3 (EGR), Unknown Error Code
1522	Position Waste Gate (VNT) Failed Low
1522	Position Waste Gate (VNT) Failed High
1522	VNT Valve Position Feedback Failed
1522	VNT Valve Position Feedback, Position Too Low (High Box)
1522	VNT Valve Position Feedback, Position Too High (Low Box)
1522	Smart Actuator Indicates Turbocharger Vane Position Error
1523	Injector Needle Control Valve Cylinder 1, 2, 3 Shorted to Ground
1523	Injector Needle Control Valve Cylinder 1,2,3 Shorted to Battery
1523	Injector Spill Control Valve Cylinder 1, 2, 3 Shorted to Ground
1523	Injector Spill Control Valve Cylinder 1,2,3, Shorted to Battery
1524	Injector Needle Control Valve Cylinder 4, 5, 6 Shorted to Ground
1524	Injector Needle Control Valve Cylinder 4,5,6, Shorted to Battery
1524	Injector Spill Control Valve Cylinder 4, 5, 6 Shorted to Ground
1524	Injector Spill Control Valve Cylinder 4,5,6, Shorted to Battery
1525	Engine Air Flow Out of Range Low
1525	Active Regen Temp Out of Range Low
1531	DOC Inlet Temperature Circuit Failed Low
1531	DOC Inlet Temperature Circuit Failed High
1531	DOC Inlet Temperature Sensor Stuck
1531	DOC Inlet Temperature Sensor - Plausibility Error
1532	DPF Outlet Temperature Circuit Failed Low

Flash Code	MCM Fault Description
1532	DPF Outlet Temperature Circuit Failed High
1532	Abnormal DPF Temperature Rise b)
1532	DPF Outlet Temperature High
1532	DPF Outlet Temperature Sensor Stuck
1532	DPF Outlet Sensor, General Temp. Plausibility
1532	Abnormal DPF Temperature Rise
1533	DOC Outlet Temperature Circuit Failed Low
1533	DOC Outlet Temperature Circuit Failed High
1533	Abnormal DOC Temperature Rise
1533	DOC Outlet Temperature Sensor Stuck
1533	DOC Outlet Temperature Sensor - Plausibility Error
1533	Abnormal DOC Temperature Rise
1533	DOC Outlet Temperature High
1534	DPF Pressure - Out of Range Very High
1534	DPF Pressure - Out of Range Low
1534	Abnormal Soot Rate
1534	DPF Pressure - Out of Range High
1535	EGR Pressure Failed Low
1535	EGR Pressure Failed High
1541	Switching Power Supply Voltage Failed Low
1541	Switching Power Supply Voltage Failed High
1542	Turbo Control Circuit Failed Low
1542	Turbo Control Circuit Failed High
1542	Turbo Control Circuit Open
1542	EDV Failed Self Test
1543	Doser Fuel Line Pressure Abnormal
1543	Doser Fuel Supply Pressure Abnormal
1543	Doser FLP Sensors Failed Self Test
1543	Doser Fuel Line Pressure Sensor Circuit Failed Low
1543	Doser Fuel Line Pressure Sensor Circuit Failed High
1543	Doser Fuel Line Pressure Failed Self Test
1544	FCV Failed Self Test
1545	Regen Temperature - Out of Range Low
1551	Regen Temperature - Out of Range High
1551	Intake Manifold Pressure Circuit Failed Low
1551	Intake Manifold Pressure Circuit Failed High
1551	Ambient and Inlet Manifold Pressure Difference (Low Box)
1551	Ambient and Inlet Manifold Pressure Difference (High Box)
1551	Inlet Manifold Pressure Failed Low
1551	Inlet Manifold Pressure Failed High
1551	Inlet Manifold Pressure Sampling Range Failed
1551	Intake Manifold Pressure Plausibility (Low Box)
1551	Intake Manifold Pressure Plausibility Error, Pressure Too Low (High Box)
1552	Ether Start, Shorted to Ground

Flash Code	MCM Fault Description
1552	Ether Start, Shorted to Battery
1552	Ether Start, Open Load
1553	Proportional Valve Bank 1 Circuit Failed Low
1554	DPF Inlet Pressure Circuit Failed Low
1554	DPF Inlet Pressure Circuit Failed High
1554	DPF Inlet Pressure Sensor Stuck
1554	DPF Inlet Pressure Sensor Drifted High In Range Fault (Low Box)
1554	DPF Inlet Pressure Sensor Drifted High In Range Fault (High Box)
1554	DPF Inlet Pressure Sensor Drifted Low In Range Fault (Low Box)
1554	DPF Inlet Pressure Sensor Drifted Low In Range Fault (High Box)
1555	DPF Outlet Pressure Circuit Failed High
1555	DPF Outlet Pressure Circuit Failed Low
1555	DPF Outlet Pressure Sensor Stuck
1555	DPF Pressure Sensors - Plausibility Error
1555	DPF Outlet Pressure Sensor Drifted High In Range Fault (Low Box)
1555	DPF Outlet Pressure Sensor Drifted High In Range Fault (High Box)
1555	DPF Outlet Pressure Sensor Drifted Low In Range Fault (Low Box)
1555	DPF Outlet Pressure Sensor Drifted Low In Range Fault (High Box)
1611	Injector Cylinder #1 Spill Control Valve Abnormal Operation
1611	Injector Cylinder #1 Spill Control Valve ("Amplifier") Abnormal Rate of Change
1611	Injector Cylinder #1 Spill Control Valve ("Amplifier"), Valve Shorted Circuit
1612	Injector Cylinder #2 Spill Control Valve Abnormal Operation
1612	Injector Cylinder #2 Spill Control Valve ("Amplifier") Abnormal Rate of Change
1612	Injector Cylinder #2 Spill Control Valve ("Amplifier"), Valve Shorted Circuit
1613	Injector Cylinder #3 Spill Control Valve Abnormal Operation
1613	Injector Cylinder #3 Spill Control Valve ("Amplifier") Abnormal Rate of Change
1613	Injector Cylinder #3 Spill Control Valve ("Amplifier"), Valve Shorted Circuit
1614	Injector Cylinder #4 Spill Control Valve Abnormal Operation
1614	Injector Cylinder #4 Spill Control Valve ("Amplifier") Abnormal Rate of Change
1614	Injector Cylinder #4 Spill Control Valve ("Amplifier"), Valve Shorted Circuit
1615	Injector Cylinder #5 Spill Control Valve Abnormal Operation
1615	Injector Cylinder #5 Spill Control Valve ("Amplifier") Abnormal Rate of Change
1615	Injector Cylinder #5 Spill Control Valve ("Amplifier"), Valve Shorted Circuit
1621	Injector Cylinder #6 Spill Control Valve Abnormal Operation
1621	Injector Cylinder #6 Spill Control Valve ("Amplifier") Abnormal Rate of Change
1621	Injector Cylinder #6 Spill Control Valve ("Amplifier"), Valve Shorted Circuit
1622	Injector Cylinder #7 Spill Control Valve Abnormal Operation
1622	Injector Cylinder #7 Spill Control Valve ("Amplifier") Abnormal Rate of Change
1622	Injector Cylinder #7 Spill Control Valve ("Amplifier"), Valve Shorted Circuit
1623	Injector Cylinder #8 Spill Control Valve Abnormal Operation
1623	Injector Cylinder #8 Spill Control Valve ("Amplifier") Abnormal Rate of Change
1623	Injector Cylinder #8 Spill Control Valve ("Amplifier"), Valve Shorted Circuit
1624	Soot Level High
1624	Soot Level Very High

Flash Code	MCM Fault Description
1625	DPF Ash Clean Request
1625	DPF Ash Clean Request - Derate
1631	Multiplexer 1 Channel 1, Shorted High
1631	Multiplexer 1 Channel 2, Shorted High
1632	Multiplexer 2 Channel 1, Shorted High
1632	Multiplexer 2 Channel 2, Shorted High
1633	Multiplexer 3 Channel 1, Shorted High
1633	Multiplexer 3 Channel 2, Shorted High
1634	Oil Level Measurement, Configuration Error
1634	Oil Level Measurement, Oil Level Too Low or Too High
1635	Doser Fuel Pressure Not Plausible
1635	DPF Zone 2 Condition
1636	DPF Zone 3 Condition
1637	Smart Actuator Indicates Actuator Position Error

Flash Codes	CPC Fault Description
2111	Park Brake Status Not Plausible (Vehicle Moving)
2112	J1939 Park Brake Switch Signal from Source #1 is erratic
2112	J1939 Park Brake Switch Signal from Source #1 is missing
2112	J1939 Park Brake Switch Signal from Source #2 is erratic
2112	J1939 Park Brake Switch Signal from Source #2 is missing
2112	J1939 Park Brake Switch Signal from Source #3 is erratic
2112	J1939 Park Brake Switch Signal from Source #3 is missing
2113	Vehicle Speed Failure
2113	Vehicle Speed Sensor Circuit Failed High
2113	Vehicle Speed Sensor Circuit Failed Low
2113	VSS Anti Tamper Detection via Virtual Gear Ratio
2113	VSS Anti Tamper Detection via Fixed Frequency Device
2113	VSS Anti-Tamper Detection via ABS Vehicle Speed Comparison
2113	J1939 Wheel-Based Vehicle Speed Signal from Source#1 is erratic
2113	J1939 Wheel-Based Vehicle Speed Signal from Source#1 is missing
2113	J1939 Wheel-Based Vehicle Speed Signal from Source#2 is erratic
2113	J1939 Wheel-Based Vehicle Speed Signal from Source#2 is missing
2113	J1939 Wheel-Based Vehicle Speed Signal from Source#3 is erratic
2113	J1939 Wheel-Based Vehicle Speed Signal from Source#3 is missing
2113	Vehicle Speed Sensor Drifted High Error (VSS signal not plausible)
2114	Accelerator Pedal Learn Error
2114	Accelerator Pedal Circuit Failed High
2114	Accelerator Pedal Circuit Failed Low
2114	PWM Accelerator Pedal Signal 1 Frequency Out Of Range
2114	PWM Accelerator Pedal Not Learned
2114	PWM Accelerator Pedal Idle Not Recognized
2114	PWM Accelerator Pedal Learned Range to Large
2114	Accelerator Pedal Signal Circuit Failed High

Flash Codes	CPC Fault Description
2615	J1939 EEC2 Message is missing
2115	Oil Level High
2115	Oil Level Low
2115	Oil Level Very Low
2121	Oil Pressure Low
2121	Oil Pressure Very Low
2122	Air Filter Restriction High
2122	Air Filter Signal Circuit Failed Low
2122	Air Filter Signal Circuit Failed High
2123	Coolant Temperature High
2123	Coolant Temperature Very High
2124	Coolant Level Low
2124	Coolant Level Circuit Failed High
2124	Coolant Level Circuit Failed Low
2124	Coolant Level Very Low
2125	Battery Voltage Very Low
2125	Battery Voltage High
2125	Battery Voltage Low
2125	Opt Idle Detected Charging System or Battery Failure
2125	ECU power down not completed (Main Battery Terminal Possibly Floating)
2131	Ambient Temperature Sensor Data Erratic
2131	J1587 Ambient Air Temp Sensor Data Not Received This Ign Cycle
2131	J1587 Ambient Air Temp Sensor Data Message Stopped Arriving
2615	J1939 ETC1 Message is missing
2132	J1939 Transmission Output Shaft Speed Signal is erratic
2132	J1939 Transmission Output Shaft Speed Signal is missing
2615	MCM Engine Hours Data not received or stopped arriving
2615	MCM Engine Hours Data increasing at an implausible rate
2615	MCM Engine Hours Data higher than expected
2615	MCM Engine Hours Data lower than expected
2133	J1939 Transmission Current Gear Signal is erratic
2133	J1939 Transmission Current Gear Signal is missing
2615	J1939 ETC2 Message is missing
2615	J1939 CCVS Message from Source #1 is missing
2615	J1939 CCVS Message from Source #2 is missing
2615	J1939 CCVS Message from Source #3 is missing
2134	Idle Validation Switch Inputs Reversed
2134	Idle Validation Switch 2 Circuit Failed Low
2134	Idle Validation Switch 2 Circuit Failed High
2134	Idle Validation Switch 1 Circuit Failed Low
2134	Idle Validation Switch 1 Circuit Failed High
2135	J1939 Cruise Control Enable Switch Signal from Source #1 is erratic
2135	J1939 Cruise Control Enable Switch Signal from Source #1 is missing
2135	J1939 Cruise Control Enable Switch Signal from Source #2 is erratic

Flash Codes	CPC Fault Description
2135	J1939 Cruise Control Enable Switch Signal from Source #2 is missing
2135	J1939 Cruise Control Enable Switch Signal from Source #3 is erratic
2135	J1939 Cruise Control Enable Switch Signal from Source #3 is missing
2141	Service Brake Status Not Plausible
2141	J1939 Service Brake Switch Signal from Source #1 is erratic
2141	J1939 Service Brake Switch Signal from Source #1 is missing
2141	J1939 Service Brake Switch Signal from Source #2 is erratic
2141	J1939 Service Brake Switch Signal from Source #2 is missing
2141	J1939 Service Brake Switch Signal from Source #3 is erratic
2141	J1939 Service Brake Switch Signal from Source #3 is missing
2142	Cruise Control SET and RESUME Circuits Failed Low
2143	J1939 Cruise Control Coast Switch Signal from Source #1 is erratic
2143	J1939 Cruise Control Coast Switch Signal from Source #1 is missing
2143	J1939 Cruise Control Coast Switch Signal from Source #2 is erratic
2143	J1939 Cruise Control Coast Switch Signal from Source #2 is missing
2143	J1939 Cruise Control Coast Switch Signal from Source #3 is erratic
2143	J1939 Cruise Control Coast Switch Signal from Source #3 is missing
2144	J1939 Cruise Control Accelerate Switch Signal from Source #1 is erratic
2144	J1939 Cruise Control Accelerate Switch Signal from Source #1 is missing
2144	J1939 Cruise Control Accelerate Switch Signal from Source #2 is erratic
2144	J1939 Cruise Control Accelerate Switch Signal from Source #2 is missing
2144	J1939 Cruise Control Accelerate Switch Signal from Source #3 is erratic
2144	J1939 Cruise Control Accelerate Switch Signal from Source #3 is missing
2145	J1708 Data Link Failure
2145	CPC2 Hardware Failure
2615	J1939 DM1 Message from Transmission is missing
2151	ECAN ID_1629 Diagnostic Message Not Received This Ignition Cycle
2151	ECAN ID_1629 Diagnostic Message No Longer Being Received
2151	ECAN ID_1629 Reporting Inconsistent Number of Frames
2151	ECAN ID_1629 Diagnostic Message Reporting Data Not Available
2151	ECAN ID_1629 Diagnostic Message Reporting an Unknown MUID
2151	Incorrect MCM System ID Received
2151	MCM System ID Not Received or Stopped Arriving
2151	ECAN Link Circuit Failure
2151	XFLASH Static Fault Code Memory Page Read Write Failure
2615	20ms ECU OS Task Locked in an Endless Loop
2615	20ms ECU OS Task Timed out Prior to Completion
2615	1000ms ECU OS Task Locked in an Endless Loop
2615	1000ms ECU OS Task Timed out Prior to Completion
2151	CPC Hardware/Software Mismatch
2151	DDEC Data Xflash Write Error. Replace CPC2.
2152	EEPROM Checksum Failure
2152	EEPROM Checksum Failure for the SCR Block
2152	SCR Number Out of Range

Flash Codes	CPC Fault Description
2615	MCM Fault Codes Unavailable via J1939 and J1587
2615	MCM Fault Code Table Inconsistent - Upgrade MCM Software
2615	Insufficient Static Fault Code Storage Memory - Upgrade CPC Software
2615	MCM Fault Code Table Inconsistent - Upgrade MCM Software
2153	J1939 Data Link Failure
2211	Digital Output 4 09 Circuit Failed High
2211	Digital Output 4 09 Circuit Failed Low
2212	Digital Output 3 17 Circuit Failed High
2212	Digital Output 3 17 Circuit Failed Low
2213	Digital Output 3 09 Circuit Failed High
2213	Digital Output 3 09 Circuit Failed Low
2214	Digital Output 4 07 Circuit Failed High
2214	Digital Output 4 07 Circuit Failed Low
2215	Digital Output 1 13 Circuit Failed High
2215	Digital Output 1 13 Circuit Failed Low
2221	Digital Output 3 10 Circuit Failed High
2221	Digital Output 3 10 Circuit Failed Low
2222	Digital Output 2 10 Circuit Failed High (CEL / AWL Lamp)
2222	Digital Output 2 10 Circuit Failed Low (CEL / AWL Lamp)
2223	Digital Output 3 12 Circuit Failed High
2223	Digital Output 3 12 Circuit Failed Low
2224	Digital Output 3 16 Circuit Failed High
2224	Digital Output 3 16 Circuit Failed Low
2225	Digital Output 4 06 Circuit Failed High
2225	Digital Output 4 06 Circuit Failed Low
2231	Digital Output 1 05 Circuit Failed High
2231	Digital Output 1 05 Circuit Failed Low
2232	Digital Output 1 04 Circuit Failed High
2232	Digital Output 1 04 Circuit Failed Low
2234	Digital Output 3 07 Circuit Failed High
2234	Digital Output 3 07 Circuit Failed Low
2234	Digital Output 3 07 Open Circuit
2234	TOP2 Shift Failure
2235	Digital Output 3 08 Circuit Failed High
2235	Digital Output 3 08 Circuit Failed Low
2235	Digital Output 3 08 Open Circuit
2241	Digital Output 4 10 Circuit Failed High
2615	J1939 EBC2 Message from ABS is missing
2242	J1939 Front Axle Speed Signal is erratic
2242	J1939 Front Axle Speed Signal is missing
2243	Throttle inhibit switch signal not plausible due to excess vehicle speed
2615	J1939 EBC1 Message is missing
2244	J1939 Engine Retarder Selection Signal Missing
2244	J1939 Engine Retarder Selection Signal Erratic

Flash Codes	CPC Fault Description
2245	Remote Accelerator Pedal Supply Voltage Out of Range
2245	Remote Accelerator Pedal Circuit Failed High
2245	Remote Accelerator Pedal Circuit Failed Low
2311	PTO CC+ and CC- Switches Pressed Simultaneously
2615	J1939 CM1 Message is missing
2312	Digital Output 4 10 Circuit Failed Low
2312	Digital Output 4 10 Circuit Failed Open
2314	Starter Lockout Output Shorted to Ground
2314	Starter Lockout Output Open Circuit
2615	Adaptive Cruise Control Message Not Received
2615	Adaptive Cruise Control Device Reporting Error
2615	J1939 TCO1 Message is missing
2315	J1939 Tachograph Vehicle Speed Signal is erratic
2315	J1939 Tachograph Vehicle Speed Signal is missing
2321	Optimized Idle Safety Loop Faulted
2615	J1939 ERC1 Message is missing
2615	J1939 TCFG2 Message is missing
2322	PWM Accelerator Pedal GAS1 and GAS2 Signal Missing
2322	PWM Accelerator Pedal Signal 2 Frequency Out Of Range
2615	J1939 ETC7 Message is missing
2333	Accelerator Pedal Supply Voltage Circuit Failed High
2333	Accelerator Pedal Supply Voltage Circuit Failed Low
2333	PWM Accelerator Pedal Supply Voltage Missing
2333	Accelerator Pedal Supply Voltage Circuit Failed High
2615	J1939 ESS Message is missing
2334	Manual DPF Regen and DPF Inhibit Switch Rationality Fault
2334	DPF Regen Inhibit MUX Switch Message Contains Data Error Indicator
2334	DPF Regen Inhibit MUX Switch Message Contains SNV Indicator
2334	DPF Regen Inhibit MUX Switch Message Stopped Arriving
2334	DPF Regen Inhibit MUX Switch Message Not Received this Ign Cycle
2335	DPF Regen Force MUX Switch Message Contains Data Error Indicator
2335	DPF Regen Force MUX Switch Message Contains SNV Indicator
2335	DPF Regen Force MUX Switch Message Stopped Arriving
2335	DPF Regen Force MUX Switch Message Not Received this Ign Cycle