Cold Idle Frame 1

Numbers of DTCs Fuel system 1 statusOL Fuel System 2 statusOL Calculated Load Value(%)4.3 Engine Coolant Temperature(i£F)95 Short Term Fuel Trim -Bank 1(%)0.0 Long Term Fuel Trim - Bank 1(%)-1.6 Short Term Fuel Trim -Bank 2(%)0.0 Long Term Fuel Trim - Bank 2(%)-1.6 Intake Manifold Absolute Pressure(psi)5.9 Engine RPM(rpm) 899 Vehicle Speed Sensor(mph)0 Ignition Timing Advanece for #1 Cylinder(i£)-24.0 Intake Air Temperature(i£F)78 Air Flow Rate from Mass Air Flow Sensor(lb/s)0.03 Absolute Throttle Position(%)0.0 Commanded Secondary Air StatusUPS Location of Oxygen SensorsB1S12--B2S12--Oxygen Sensor Output Voltage Bank 1-Sensor 1(V)0.160 Short Term Fuel Trim Bank 1-Sensor 1(%)0.0 Oxygen Sensor Output Voltage Bank 1-Sensor 2(V)0.600 Short Term Fuel Trim Bank 1-Sensor 2(%)N/A Oxygen Sensor Output Voltage Bank 2-Sensor 1(V)0.090 Short Term Fuel Trim Bank 2-Sensor 1(%)0.0 Oxygen Sensor Output Voltage Bank 2-Sensor 2(V)0.305 Short Term Fuel Trim Bank 2-Sensor 2(%)99.2 OBD requirements to which vehicle is designedOBDII

Cold Idle Frame 2

Numbers of DTCs Fuel system 1 statusOL Fuel System 2 statusOL Calculated Load Value(%)4.3 Engine Coolant Temperature(i£F)95 Short Term Fuel Trim -Bank 1(%)0.0 Long Term Fuel Trim - Bank 1(%)-1.6 Short Term Fuel Trim -Bank 2(%)0.0 Long Term Fuel Trim - Bank 2(%)-1.6 Intake Manifold Absolute Pressure(psi)6.1 Engine RPM(rpm) 858 Vehicle Speed Sensor(mph)0 Ignition Timing Advanece for #1 Cylinder(i£)-24.0 Intake Air Temperature(i£F)78 Air Flow Rate from Mass Air Flow Sensor(lb/s)0.03 Absolute Throttle Position(%)0.0 Commanded Secondary Air StatusUPS Location of Oxygen SensorsB1S12--B2S12--Oxygen Sensor Output Voltage Bank 1-Sensor 1(V)0.165 Short Term Fuel Trim Bank 1-Sensor 1(%)0.0 Oxygen Sensor Output Voltage Bank 1-Sensor 2(V)0.605 Short Term Fuel Trim Bank 1-Sensor 2(%)N/A Oxygen Sensor Output Voltage Bank 2-Sensor 1(V)0.090 Short Term Fuel Trim Bank 2-Sensor 1(%)0.0 Oxygen Sensor Output Voltage Bank 2-Sensor 2(V)0.290 Short Term Fuel Trim Bank 2-Sensor 2(%)99.2 OBD requirements to which vehicle is designedOBDII

Cold Idle Frame 3

Numbers of DTCs Fuel system 1 statusOL Fuel System 2 statusOL Calculated Load Value(%)4.3 Engine Coolant Temperature(i£F)96 Short Term Fuel Trim -Bank 1(%)0.0 Long Term Fuel Trim - Bank 1(%)-1.6 Short Term Fuel Trim -Bank 2(%)0.0 Long Term Fuel Trim - Bank 2(%)-1.6 Intake Manifold Absolute Pressure(psi)6.2 Engine RPM(rpm) 874 Vehicle Speed Sensor(mph)0 Ignition Timing Advanece for #1 Cylinder(i£)-25.0 Intake Air Temperature(i£F)78 Air Flow Rate from Mass Air Flow Sensor(lb/s)0.03 Absolute Throttle Position(%)0.0 Commanded Secondary Air StatusUPS Location of Oxygen SensorsB1S12--B2S12--Oxygen Sensor Output Voltage Bank 1-Sensor 1(V)0.140 Short Term Fuel Trim Bank 1-Sensor 1(%)0.0 Oxygen Sensor Output Voltage Bank 1-Sensor 2(V)0.595 Short Term Fuel Trim Bank 1-Sensor 2(%)N/A Oxygen Sensor Output Voltage Bank 2-Sensor 1(V)0.075 Short Term Fuel Trim Bank 2-Sensor 1(%)0.0 Oxygen Sensor Output Voltage Bank 2-Sensor 2(V)0.275 Short Term Fuel Trim Bank 2-Sensor 2(%)99.2 OBD requirements to which vehicle is designedOBDII

Hot Idle Frame 1

Numbers of DTCs Fuel system 1 statusCL Fuel System 2 statusCL Calculated Load Value(%)3.5 Engine Coolant Temperature(i£F)195 Short Term Fuel Trim -Bank 1(%)-3.1 Long Term Fuel Trim - Bank 1(%)-14.1 Short Term Fuel Trim -Bank 2(%)0.0 Long Term Fuel Trim - Bank 2(%)-0.8 Intake Manifold Absolute Pressure(psi)6.1 Engine RPM(rpm) 865 Vehicle Speed Sensor(mph)0 Ignition Timing Advanece for #1 Cylinder(i£)-25.0 Intake Air Temperature(i£F)98 Air Flow Rate from Mass Air Flow Sensor(lb/s)0.02 Absolute Throttle Position(%)0.0 Commanded Secondary Air StatusOFF Location of Oxygen SensorsB1S12--B2S12--Oxygen Sensor Output Voltage Bank 1-Sensor 1(V)0.065 Short Term Fuel Trim Bank 1-Sensor 1(%)-3.1 Oxygen Sensor Output Voltage Bank 1-Sensor 2(V)0.825 Short Term Fuel Trim Bank 1-Sensor 2(%)N/A Oxygen Sensor Output Voltage Bank 2-Sensor 1(V)0.765 Short Term Fuel Trim Bank 2-Sensor 1(%)-0.8 Oxygen Sensor Output Voltage Bank 2-Sensor 2(V)0.760 Short Term Fuel Trim Bank 2-Sensor 2(%)99.2 OBD requirements to which vehicle is designedOBDII

Hot Idle Frame 2

Numbers of DTCs Fuel system 1 statusCL Fuel System 2 statusCL Calculated Load Value(%)3.5 Engine Coolant Temperature(i£F)195 Short Term Fuel Trim -Bank 1(%)-3.1 Long Term Fuel Trim - Bank 1(%)-14.1 Short Term Fuel Trim -Bank 2(%)-1.6 Long Term Fuel Trim - Bank 2(%)-0.8 Intake Manifold Absolute Pressure(psi)6.2 Engine RPM(rpm) 859 Vehicle Speed Sensor(mph)0 Ignition Timing Advanece for #1 Cylinder(i£)-24.0 Intake Air Temperature(i£F)98 Air Flow Rate from Mass Air Flow Sensor(lb/s)0.02 Absolute Throttle Position(%)0.0 Commanded Secondary Air StatusOFF Location of Oxygen SensorsB1S12--B2S12--Oxygen Sensor Output Voltage Bank 1-Sensor 1(V)0.095 Short Term Fuel Trim Bank 1-Sensor 1(%)-2.3 Oxygen Sensor Output Voltage Bank 1-Sensor 2(V)0.805 Short Term Fuel Trim Bank 1-Sensor 2(%)N/A Oxygen Sensor Output Voltage Bank 2-Sensor 1(V)0.775 Short Term Fuel Trim Bank 2-Sensor 1(%)0.0 Oxygen Sensor Output Voltage Bank 2-Sensor 2(V)0.740 Short Term Fuel Trim Bank 2-Sensor 2(%)99.2 OBD requirements to which vehicle is designedOBDII

Hot Idle Frame 3

Numbers of DTCs Fuel system 1 statusCL Fuel System 2 statusCL Calculated Load Value(%)3.5 Engine Coolant Temperature(i£F)195 Short Term Fuel Trim -Bank 1(%)-2.3 Long Term Fuel Trim - Bank 1(%)-14.1 Short Term Fuel Trim -Bank 2(%)0.0 Long Term Fuel Trim - Bank 2(%)-0.8 Intake Manifold Absolute Pressure(psi)6.1 Engine RPM(rpm) 890 Vehicle Speed Sensor(mph)0 Ignition Timing Advanece for #1 Cylinder(i£)-25.0 Intake Air Temperature(i£F)98 Air Flow Rate from Mass Air Flow Sensor(lb/s)0.02 Absolute Throttle Position(%)0.0 Commanded Secondary Air StatusOFF Location of Oxygen SensorsB1S12--B2S12--Oxygen Sensor Output Voltage Bank 1-Sensor 1(V)0.210 Short Term Fuel Trim Bank 1-Sensor 1(%)-1.6 Oxygen Sensor Output Voltage Bank 1-Sensor 2(V)0.795 Short Term Fuel Trim Bank 1-Sensor 2(%)N/A Oxygen Sensor Output Voltage Bank 2-Sensor 1(V)0.785 Short Term Fuel Trim Bank 2-Sensor 1(%)0.8 Oxygen Sensor Output Voltage Bank 2-Sensor 2(V)0.760 Short Term Fuel Trim Bank 2-Sensor 2(%)99.2 OBD requirements to which vehicle is designedOBDII

Cruise Frame 1

Numbers of DTCs Fuel system 1 statusCL Fuel System 2 statusCL Calculated Load Value(%)17.6 Engine Coolant Temperature(i£F)195 Short Term Fuel Trim -Bank 1(%)-3.1 Long Term Fuel Trim - Bank 1(%)-6.3 Short Term Fuel Trim -Bank 2(%)-2.3 Long Term Fuel Trim - Bank 2(%)-3.9 Intake Manifold Absolute Pressure(psi)7.5 Engine RPM(rpm) 2246 Vehicle Speed Sensor(mph)66 Ignition Timing Advanece for #1 Cylinder(i£)-36.0 Intake Air Temperature(i£F)98 Air Flow Rate from Mass Air Flow Sensor(lb/s)0.10 Absolute Throttle Position(%)16.1 Commanded Secondary Air StatusOFF Location of Oxygen SensorsB1S12--B2S12--Oxygen Sensor Output Voltage Bank 1-Sensor 1(V)0.215 Short Term Fuel Trim Bank 1-Sensor 1(%)-3.1 Oxygen Sensor Output Voltage Bank 1-Sensor 2(V)0.660 Short Term Fuel Trim Bank 1-Sensor 2(%)N/A Oxygen Sensor Output Voltage Bank 2-Sensor 1(V)0.150 Short Term Fuel Trim Bank 2-Sensor 1(%)-3.1 Oxygen Sensor Output Voltage Bank 2-Sensor 2(V)0.060 Short Term Fuel Trim Bank 2-Sensor 2(%)99.2 OBD requirements to which vehicle is designedOBDII

Cruise Frame 2

Numbers of DTCs Fuel system 1 statusCL Fuel System 2 statusCL Calculated Load Value(%)18.8 Engine Coolant Temperature(i£F)195 Short Term Fuel Trim -Bank 1(%)-2.3 Long Term Fuel Trim - Bank 1(%)-7.0 Short Term Fuel Trim -Bank 2(%)-1.6 Long Term Fuel Trim - Bank 2(%)-3.9 Intake Manifold Absolute Pressure(psi)7.4 Engine RPM(rpm) 2279 Vehicle Speed Sensor(mph)67 Ignition Timing Advanece for #1 Cylinder(i£)-37.0 Intake Air Temperature(i£F)96 Air Flow Rate from Mass Air Flow Sensor(lb/s)0.10 Absolute Throttle Position(%)16.1 Commanded Secondary Air StatusOFF Location of Oxygen SensorsB1S12--B2S12--Oxygen Sensor Output Voltage Bank 1-Sensor 1(V)0.690 Short Term Fuel Trim Bank 1-Sensor 1(%)-1.6 Oxygen Sensor Output Voltage Bank 1-Sensor 2(V)0.625 Short Term Fuel Trim Bank 1-Sensor 2(%)N/A Oxygen Sensor Output Voltage Bank 2-Sensor 1(V)0.645 Short Term Fuel Trim Bank 2-Sensor 1(%)-0.8 Oxygen Sensor Output Voltage Bank 2-Sensor 2(V)0.085 Short Term Fuel Trim Bank 2-Sensor 2(%)99.2 OBD requirements to which vehicle is designedOBDII

Cruise Frame 3

Numbers of DTCs Fuel system 1 statusCL Fuel System 2 statusCL Calculated Load Value(%)19.2 Engine Coolant Temperature(i£F)195 Short Term Fuel Trim -Bank 1(%)-3.9 Long Term Fuel Trim - Bank 1(%)-7.0 Short Term Fuel Trim -Bank 2(%)-3.1 Long Term Fuel Trim - Bank 2(%)-3.9 Intake Manifold Absolute Pressure(psi)7.3 Engine RPM(rpm) 2239 Vehicle Speed Sensor(mph)68 Ignition Timing Advanece for #1 Cylinder(i£)-40.0 Intake Air Temperature(i£F)96 Air Flow Rate from Mass Air Flow Sensor(lb/s)0.10 Absolute Throttle Position(%)16.1 Commanded Secondary Air StatusOFF Location of Oxygen SensorsB1S12--B2S12--Oxygen Sensor Output Voltage Bank 1-Sensor 1(V)0.520 Short Term Fuel Trim Bank 1-Sensor 1(%)-1.6 Oxygen Sensor Output Voltage Bank 1-Sensor 2(V)0.585 Short Term Fuel Trim Bank 1-Sensor 2(%)N/A Oxygen Sensor Output Voltage Bank 2-Sensor 1(V)0.220 Short Term Fuel Trim Bank 2-Sensor 1(%)-1.6 Oxygen Sensor Output Voltage Bank 2-Sensor 2(V)0.060 Short Term Fuel Trim Bank 2-Sensor 2(%)99.2 OBD requirements to which vehicle is designedOBDII

Wide Open Throttle Frame 1

Numbers of DTCs Fuel system 1 statusCL Fuel System 2 statusCL Calculated Load Value(%)72.9 Engine Coolant Temperature(i£F)195 Short Term Fuel Trim -Bank 1(%)0.0 Long Term Fuel Trim - Bank 1(%)0.0 Short Term Fuel Trim -Bank 2(%)0.0 Long Term Fuel Trim - Bank 2(%)0.0 Intake Manifold Absolute Pressure(psi)14.5 Engine RPM(rpm) 3942 Vehicle Speed Sensor(mph)78 Ignition Timing Advanece for #1 Cylinder(i£)-33.0 Intake Air Temperature(i£F)93 Air Flow Rate from Mass Air Flow Sensor(lb/s)0.41 Absolute Throttle Position(%)100.0 Commanded Secondary Air StatusOFF Location of Oxygen SensorsB1S12--B2S12--Oxygen Sensor Output Voltage Bank 1-Sensor 1(V)0.875 Short Term Fuel Trim Bank 1-Sensor 1(%)0.0 Oxygen Sensor Output Voltage Bank 1-Sensor 2(V)0.905 Short Term Fuel Trim Bank 1-Sensor 2(%)N/A Oxygen Sensor Output Voltage Bank 2-Sensor 1(V)0.890 Short Term Fuel Trim Bank 2-Sensor 1(%)0.0 Oxygen Sensor Output Voltage Bank 2-Sensor 2(V)0.870 Short Term Fuel Trim Bank 2-Sensor 2(%)99.2 OBD requirements to which vehicle is designedOBDII

Wide Open Throttle Frame 2

Numbers of DTCs Fuel system 1 statusCL Fuel System 2 statusCL Calculated Load Value(%)86.3 Engine Coolant Temperature(i£F)195 Short Term Fuel Trim -Bank 1(%)0.0 Long Term Fuel Trim - Bank 1(%)0.0 Short Term Fuel Trim -Bank 2(%)0.0 Long Term Fuel Trim - Bank 2(%)0.0 Intake Manifold Absolute Pressure(psi)14.2 Engine RPM(rpm) 4414 Vehicle Speed Sensor(mph)89 Ignition Timing Advanece for #1 Cylinder(i£)-33.0 Intake Air Temperature(i£F)93 Air Flow Rate from Mass Air Flow Sensor(lb/s)0.49 Absolute Throttle Position(%)100.0 Commanded Secondary Air StatusOFF Location of Oxygen SensorsB1S12--B2S12--Oxygen Sensor Output Voltage Bank 1-Sensor 1(V)0.875 Short Term Fuel Trim Bank 1-Sensor 1(%)0.0 Oxygen Sensor Output Voltage Bank 1-Sensor 2(V)0.895 Short Term Fuel Trim Bank 1-Sensor 2(%)N/A Oxygen Sensor Output Voltage Bank 2-Sensor 1(V)0.895 Short Term Fuel Trim Bank 2-Sensor 1(%)0.0 Oxygen Sensor Output Voltage Bank 2-Sensor 2(V)0.875 Short Term Fuel Trim Bank 2-Sensor 2(%)99.2 OBD requirements to which vehicle is designedOBDII

Wide Open Throttle Frame 3

Numbers of DTCs Fuel system 1 statusCL Fuel System 2 statusCL Calculated Load Value(%)99.6 Engine Coolant Temperature(i£F)195 Short Term Fuel Trim -Bank 1(%)0.0 Long Term Fuel Trim - Bank 1(%)0.0 Short Term Fuel Trim -Bank 2(%)0.0 Long Term Fuel Trim - Bank 2(%)0.0 Intake Manifold Absolute Pressure(psi)14.4 Engine RPM(rpm) 4915 Vehicle Speed Sensor(mph)99 Ignition Timing Advanece for #1 Cylinder(i£)-33.0 Intake Air Temperature(i£F)91 Air Flow Rate from Mass Air Flow Sensor(lb/s)0.55 Absolute Throttle Position(%)100.0 Commanded Secondary Air StatusOFF Location of Oxygen SensorsB1S12--B2S12--Oxygen Sensor Output Voltage Bank 1-Sensor 1(V)0.530 Short Term Fuel Trim Bank 1-Sensor 1(%)0.0 Oxygen Sensor Output Voltage Bank 1-Sensor 2(V)0.940 Short Term Fuel Trim Bank 1-Sensor 2(%)N/A Oxygen Sensor Output Voltage Bank 2-Sensor 1(V)0.445 Short Term Fuel Trim Bank 2-Sensor 1(%)0.0 Oxygen Sensor Output Voltage Bank 2-Sensor 2(V)0.930 Short Term Fuel Trim Bank 2-Sensor 2(%)99.2 OBD requirements to which vehicle is designedOBDII