

CAT C13, C15, and C18 Tier 4 Final Engine Fault Codes

J1939 Code and Description	CDL Code and Description
N/A	486-3 Engine Fan Reverse Switch : Voltage Above Normal
N/A	486-4 Engine Fan Reverse Switch : Voltage Below Normal
N/A	544-2 Engine Cooling Fan Speed Sensor : Erratic, Intermittent, or Incorrect
N/A	544-8 Engine Cooling Fan Speed Sensor : Abnormal Frequency, Pulse Width, or Period
N/A	1076-5 Engine Cooling Fan Bypass Solenoid : Current Below Normal
N/A	1076-6 Engine Cooling Fan Bypass Solenoid : Current Above Normal
N/A	1937-2 Engine Coolant Flow Switch : Erratic, Intermittent, or Incorrect
29-2 Accelerator Pedal Position 2 : Erratic, Intermittent, or Incorrect	774-2 Secondary Throttle Position Sensor: Erratic, Intermittent, or Incorrect
29-3 Accelerator Pedal Position 2 : Voltage Above Normal	774-3 Secondary Throttle Position Sensor: Voltage Above Normal
29-4 Accelerator Pedal Position 2 : Voltage Below Normal	774-4 Secondary Throttle Position Sensor: Voltage Below Normal
29-8 Accelerator Pedal Position 2 : Abnormal Frequency, Pulse Width, or Period	774-8 Secondary Throttle Position Sensor: Abnormal Frequency, Pulse Width, or Period
91-2 Accelerator Pedal Position 1 : Erratic, Intermittent, or Incorrect	91-2 Throttle Position Sensor : Erratic, Intermittent, or Incorrect
91-3 Accelerator Pedal Position 1 : Voltage Above Normal	91-3 Throttle Position Sensor : Voltage Above Normal
91-4 Accelerator Pedal Position 1 : Voltage Below Normal	91-4 Throttle Position Sensor : Voltage Below Normal
91-8 Accelerator Pedal Position 1 : Abnormal Frequency, Pulse Width, or Period	91-8 Throttle Position Sensor : Abnormal Frequency, Pulse Width, or Period
97-3 Water In Fuel Indicator : Voltage Above Normal	3547-3 Water in Fuel System Switch : Voltage Above Normal
100-3 Engine Oil Pressure : Voltage Above Normal	100-3 Engine Oil Pressure Sensor : Voltage Above Normal
100-4 Engine Oil Pressure : Voltage Below Normal	100-4 Engine Oil Pressure Sensor : Voltage Below Normal
101-3 Engine Crankcase Pressure : Voltage Above Normal	101-3 Crankcase Air Pressure Sensor : Voltage Above Normal
101-4 Engine Crankcase Pressure : Voltage Below Normal	101-4 Crankcase Air Pressure Sensor : Voltage Below Normal
101-13 Engine Crankcase Pressure : Calibration Required	101-13 Crankcase Air Pressure Sensor : Calibration Required
108-3 Barometric Pressure : Voltage Above Normal	3528-3 Atmospheric Pressure Sensor : Voltage Above Normal
108-4 Barometric Pressure : Voltage Below Normal	3528-4 Atmospheric Pressure Sensor : Voltage Below Normal

CAT C13, C15, and C18 Tier 4 Final Engine Fault Codes

J1939 Code and Description	CDL Code and Description
108-21 Barometric Pressure : Calibration Required	3528 -21 Atmospheric Pressure Sensor : Calibration Required
109-3 Engine Coolant Pressure : Voltage Above Normal	2302-3 Engine Coolant Pump Outlet Pressure Sensor : Voltage Above Normal
109-4 Engine Coolant Pressure : Voltage Below Normal	2302-4 Engine Coolant Pump Outlet Pressure Sensor : Voltage Below Normal
110-3 Engine Coolant Temperature : Voltage Above Normal	110-3 Engine Coolant Temperature Sensor : Voltage Above Normal
110-4 Engine Coolant Temperature : Voltage Below Normal	110-4 Engine Coolant Temperature Sensor : Voltage Below Normal
157-3 Engine Injector Metering Rail #1 Pressure : Voltage Above Normal	1797-3 Fuel Rail Pressure Sensor : Voltage Above Normal
157-4 Engine Injector Metering Rail #1 Pressure : Voltage Below Normal	1797-4 Fuel Rail Pressure Sensor : Voltage Below Normal
168-3 Battery Potential / Power Input 1 : Voltage Above Normal	168-3 Electrical System Voltage : Voltage Above Normal
168-4 Battery Potential / Power Input 1 : Voltage Below Normal	168-4 Electrical System Voltage : Voltage Below Normal
171-3 Ambient Air Temperature : Voltage Above Normal	171-3 Ambient Air Temperature Sensor : Voltage Above Normal
171-4 Ambient Air Temperature : Voltage Below Normal	171-4 Ambient Air Temperature Sensor : Voltage Below Normal
172-3 Engine Air Inlet Temperature : Voltage Above Normal	2526-3 Air Inlet Temperature Sensor : Voltage Above Normal
172-4 Engine Air Inlet Temperature : Voltage Below Normal	2526-4 Air Inlet Temperature Sensor : Voltage Below Normal
174-3 Engine Fuel Temperature 1 : Voltage Above Normal	174-3 Fuel Temperature Sensor : Voltage Above Normal
174-4 Engine Fuel Temperature 1 : Voltage Below Normal	174-4 Fuel Temperature Sensor : Voltage Below Normal
175-3 Engine Oil Temperature 1 : Voltage Above Normal	175-3 Engine Oil Temperature 1 : Voltage Above Normal
175-4 Engine Oil Temperature 1 : Voltage Below Normal	175-4 Engine Oil Temperature 1 : Voltage Below Normal
190-8 Engine Speed : Abnormal Frequency, Pulse Width, or Period	190-8 Engine Speed Sensor : Abnormal Frequency, Pulse Width, or Period
411-3 Engine Exhaust Gas Recirculation Differential Pressure : Voltage Above Normal	3387-3 EGR Differential Pressure Sensor : Voltage Above Normal
411-4 Engine Exhaust Gas Recirculation Differential Pressure : Voltage Below Normal	3387-4 EGR Differential Pressure Sensor : Voltage Below Normal
411-13 Engine Exhaust Gas Recirculation Differential Pressure : Calibration Required	3387-13 EGR Differential Pressure Sensor : Calibration Required

CAT C13, C15, and C18 Tier 4 Final Engine Fault Codes

J1939 Code and Description	CDL Code and Description
412-3 Engine Exhaust Gas Recirculation Temperature : Voltage Above Normal	3386-3 EGR Temperature Sensor : Voltage Above Normal
412-4 Engine Exhaust Gas Recirculation Temperature : Voltage Below Normal	3386-4 EGR Temperature Sensor : Voltage Below Normal
441-3 Auxiliary Temperature #1 : Voltage Above Normal	1836-3 Auxiliary Temperature Sensor : Voltage Above Normal
441-4 Auxiliary Temperature #1 : Voltage Below Normal	1836-4 Auxiliary Temperature Sensor : Voltage Below Normal
442-3 Auxiliary Temperature #2 : Voltage Above Normal	3683-3 Auxiliary Temperature Sensor #2 : Voltage Above Normal
442-4 Auxiliary Temperature #2 : Voltage Below Normal	3683-4 Auxiliary Temperature Sensor #2 : Voltage Below Normal
597-3 Brake Switch : Voltage Above Normal	298-3 Service Brake Pedal Switch : Voltage Above Normal
597-4 Brake Switch : Voltage Below Normal	298-4 Service Brake Pedal Switch : Voltage Below Normal
625-14 Proprietary Data Link : Special Instruction	246-14 Proprietary CAN Data Link: Special Instruction
626-5 Engine Start Enable Device 1 : Current Below Normal	2417-5 Ether Injection Control Solenoid : Current Below Normal
626-6 Engine Start Enable Device 1 : Current Above Normal	2417-6 Ether Injection Control Solenoid : Current Above Normal
630-2 Calibration Memory : Erratic, Intermittent, or Incorrect	268-2 Programmed Parameter Fault : Erratic, Intermittent, or Incorrect
631-2 Calibration Module : Erratic, Intermittent, or Incorrect	253-2 Personality Module : Erratic, Intermittent, or Incorrect
637-11 Engine Timing Sensor : Other Failure Mode	261-11 Engine Timing Offset fault
637-13 Engine Timing Sensor : Calibration Required	261-13 Engine Timing Calibration : Calibration Required
639-9 J1939 Network #1 : Abnormal Update Rate	247-9 SAE J1939 Data Link : Abnormal Update Rate
639-14 J1939 Network #1 : Special Instruction	247-14 SAE J1939 Data Link : Special Instruction
651-5 Engine Injector Cylinder #01 : Current Below Normal	1-5 Cylinder #1 Injector : Current Below Normal
651-6 Engine Injector Cylinder #01 : Current Above Normal	1-6 Cylinder #1 Injector : Current Above Normal
652-5 Engine Injector Cylinder #02 : Current Below Normal	2-5 Cylinder #2 Injector : Current Below Normal
652-6 Engine Injector Cylinder #02 : Current Above Normal	2-6 Cylinder #2 Injector : Current Above Normal
653-5 Engine Injector Cylinder #03 : Current Below Normal	3-5 Cylinder #3 Injector : Current Below Normal
653-6 Engine Injector Cylinder #03 : Current Above Normal	3-6 Cylinder #3 Injector : Current Above Normal

CAT C13, C15, and C18 Tier 4 Final Engine Fault Codes

J1939 Code and Description	CDL Code and Description
654-5 Engine Injector Cylinder #04 : Current Below Normal	4-5 Cylinder #4 Injector : Current Below Normal
654-6 Engine Injector Cylinder #04 : Current Above Normal	4-6 Cylinder #4 Injector : Current Above Normal
655-5 Engine Injector Cylinder #05 : Current Below Normal	5-5 Cylinder #5 Injector : Current Below Normal
655-6 Engine Injector Cylinder #05 : Current Above Normal	5-6 Cylinder #5 Injector : Current Above Normal
656-5 Engine Injector Cylinder #06 : Current Below Normal	6-5 Cylinder #6 Injector : Current Below Normal
656-6 Engine Injector Cylinder #06 : Current Above Normal	6-6 Cylinder #6 Injector : Current Above Normal
677-5 Engine Starter Motor Relay : Current Below Normal	444-5 Starter Motor Relay : Current Below Normal
677-6 Engine Starter Motor Relay : Current Above Normal	444-6 Starter Motor Relay : Current Above Normal
678-3 ECU 8 Volts DC Supply : Voltage Above Normal	41-3 8 Volt DC Supply : Voltage Above Normal
678-4 ECU 8 Volts DC Supply : Voltage Below Normal	41-4 8 Volt DC Supply : Voltage Below Normal
723-8 Engine Speed Sensor #2 : Abnormal Frequency, Pulse Width, or Period	342-8 Secondary Engine Speed Sensor : Abnormal Frequency, Pulse Width, or Period
1072-5 Engine (Compression) Brake Output #1 : Current Below Normal	2533-5 Compression Brake Low/High Solenoid #1 : Current Below Normal
1072-6 Engine (Compression) Brake Output #1 : Current Above Normal	2533-6 Compression Brake Low/High Solenoid #1 : Current Above Normal
1073-5 Engine (Compression) Brake Output #2 : Current Below Normal	2535-5 Compression Brake Medium/High Solenoid #1 : Current Below Normal
1073-6 Engine (Compression) Brake Output #2 : Current Above Normal	2535-6 Compression Brake Medium/High Solenoid #1 : Current Above Normal
1074-5 Engine (Exhaust) Brake Output : Current Below Normal	2232-5 Engine Retarder Solenoid : Current Below Normal
1074-6 Engine (Exhaust) Brake Output : Current Above Normal	2232-6 Engine Retarder Solenoid : Current Above Normal
1176-3 Engine Turbocharger 1 Compressor Inlet Pressure : Voltage Above Normal	2738-3 Turbocharger #1 Compressor Inlet Pressure Sensor : Voltage Above Normal
1176-4 Engine Turbocharger 1 Compressor Inlet Pressure : Voltage Below Normal	2738-4 Turbocharger #1 Compressor Inlet Pressure Sensor : Voltage Below Normal
1231-9 J1939 Network #2 : Abnormal Update Rate	2348-9 SAE J1939 Data Link #2 : Abnormal Update Rate
1231-14 J1939 Network #2 : Special Instruction	2348-14 SAE J1939 Data Link #2 : Special Instruction

CAT C13, C15, and C18 Tier 4 Final Engine Fault Codes

J1939 Code and Description	CDL Code and Description
1235-9 J1939 Network #3 : Abnormal Update Rate	5856-9 SAE J1939 Data Link #3: Abnormal Update Rate
1235-14 J1939 Network #3 : Special Instruction	5856-14 SAE J1939 Data Link #3: Special Instruction
1347-5 Engine Fuel Pump Pressurizing Assembly #1 : Current Below Normal	1779-5 Fuel Rail #1 Pressure Valve Solenoid : Current Below Normal
1347-6 Engine Fuel Pump Pressurizing Assembly #1 : Current Above Normal	1779-6 Fuel Rail #1 Pressure Valve Solenoid : Current Above Normal
1348-5 Engine Fuel Pump Pressurizing Assembly #2 : Current Below Normal	1780-5 Fuel Rail #2 Pressure Valve Solenoid : Current Below Normal
1348-6 Engine Fuel Pump Pressurizing Assembly #2 : Current Above Normal	1780-6 Fuel Rail #2 Pressure Valve Solenoid : Current Above Normal
1385-3 Auxiliary Temperature #1 : Voltage Above Normal	1836-3 Auxiliary Temperature Sensor : Voltage Above Normal
1385-4 Auxiliary Temperature #1 : Voltage Below Normal	1836-4 Auxiliary Temperature Sensor : Voltage Below Normal
1387-3 Auxiliary Pressure #1 : Voltage Above Normal	1835-3 Auxiliary Pressure Sensor : Voltage Above Normal
1387-4 Auxiliary Pressure #1 : Voltage Below Normal	1835-4 Auxiliary Pressure Sensor : Voltage Below Normal
1761-3 Aftertreatment 1 Diesel Exhaust Fluid Tank Level : Voltage Above Normal	3130-3 Aftertreatment #1 SCR Catalyst Reagent Tank #1 Level Sensor : Voltage Above Normal
1761-4 Aftertreatment 1 Diesel Exhaust Fluid Tank Level : Voltage Below Normal	3130-4 Aftertreatment #1 SCR Catalyst Reagent Tank #1 Level Sensor : Voltage Below Normal
2630-3 Engine Charge Air Cooler Outlet Temperature : Voltage Above Normal	3372-3 Engine Charge Air Cooler #1 Outlet Temperature Sensor : Voltage Above Normal
2630-4 Engine Charge Air Cooler Outlet Temperature : Voltage Below Normal	3372-4 Engine Charge Air Cooler #1 Outlet Temperature Sensor : Voltage Below Normal
2791-5 Engine Exhaust Gas Recirculation (EGR) Valve Control : Current Below Normal	3405-5 EGR Valve Control : Current Below Normal
2791-6 Engine Exhaust Gas Recirculation (EGR) Valve Control : Current Above Normal	3405-6 EGR Valve Control : Current Above Normal
2813-5 Engine Air Shutoff Command Status : Current Below Normal	3239-5 Air Shutoff Relay : Current Below Normal
2813-6 Engine Air Shutoff Command Status : Current Above Normal	3239-6 Air Shutoff Relay : Current Above Normal
2853-9 Communications Connection : Abnormal Update Rate	N/A
2948-3 Engine Intake Valve Actuation System Oil Pressure : Voltage Above Normal	1924-3 Intake Valve Actuation System Oil Pressure Sensor : Voltage Above Normal
2948-4 Engine Intake Valve Actuation System Oil Pressure : Voltage Below Normal	1924-4 Intake Valve Actuation System Oil Pressure Sensor : Voltage Below Normal

CAT C13, C15, and C18 Tier 4 Final Engine Fault Codes

J1939 Code and Description	CDL Code and Description
2949-5 Engine Intake Valve Actuation System Oil Pressure Control Valve : Current Below Normal	1922-5 Intake Valve Actuation System Oil Pressure Solenoid : Current Below Normal
2949-6 Engine Intake Valve Actuation System Oil Pressure Control Valve : Current Above Normal	1922-6 Intake Valve Actuation System Oil Pressure Solenoid : Current Above Normal
2949-7 Engine Intake Valve Actuation System Oil Pressure Control Valve : Not Responding Properly	1922-7 Intake Valve Actuation System Oil Pressure Solenoid : Not Responding Properly
2950-5 Engine Intake Valve Actuator #1 : Current Below Normal	1901-5 Intake Valve Actuator #1 : Current Below Normal
2950-6 Engine Intake Valve Actuator #1 : Current Above Normal	1901-6 Intake Valve Actuator #1 : Current Above Normal
2950-7 Engine Intake Valve Actuator #1 : Not Responding Properly	1901-7 Intake Valve Actuator #1 : Not Responding Properly
2951-5 Engine Intake Valve Actuator #2 : Current Below Normal	1902-5 Intake Valve Actuator #2 : Current Below Normal
2951-6 Engine Intake Valve Actuator #2 : Current Above Normal	1902-6 Intake Valve Actuator #2 : Current Above Normal
2951-7 Engine Intake Valve Actuator #2 : Not Responding Properly	1902-7 Intake Valve Actuator #2 : Not Responding Properly
2952-5 Engine Intake Valve Actuator #3 : Current Below Normal	1903-5 Intake Valve Actuator #3 : Current Below Normal
2952-6 Engine Intake Valve Actuator #3 : Current Above Normal	1903-6 Intake Valve Actuator #3 : Current Above Normal
2952-7 Engine Intake Valve Actuator #3 : Not Responding Properly	1903-7 Intake Valve Actuator #3 : Not Responding Properly
2953-5 Engine Intake Valve Actuator #4 : Current Below Normal	1904-5 Intake Valve Actuator #4 : Current Below Normal
2953-6 Engine Intake Valve Actuator #4 : Current Above Normal	1904-6 Intake Valve Actuator #4 : Current Above Normal
2953-7 Engine Intake Valve Actuator #4 : Not Responding Properly	1904-7 Intake Valve Actuator #4 : Not Responding Properly
2954-5 Engine Intake Valve Actuator #5 : Current Below Normal	1905-5 Intake Valve Actuator #5 : Current Below Normal
2954-6 Engine Intake Valve Actuator #5 : Current Above Normal	1905-6 Intake Valve Actuator #5 : Current Above Normal
2954-7 Engine Intake Valve Actuator #5 : Not Responding Properly	1905-7 Intake Valve Actuator #5 : Not Responding Properly
2955-5 Engine Intake Valve Actuator #6 : Current Below Normal	1906-5 Intake Valve Actuator #6 : Current Below Normal

CAT C13, C15, and C18 Tier 4 Final Engine Fault Codes

J1939 Code and Description	CDL Code and Description
2955-6 Engine Intake Valve Actuator #6 : Current Above Normal	1906-6 Intake Valve Actuator #6 : Current Above Normal
2955-7 Engine Intake Valve Actuator #6 : Not Responding Properly	1906-7 Intake Valve Actuator #6 : Not Responding Properly
3031-3 Aftertreatment 1 Diesel Exhaust Fluid Tank Temperature : Voltage Above Normal	3134-3 Aftertreatment #1 SCR Catalyst Reagent Tank #1 Temperature Sensor : Voltage Above Normal
3031-4 Aftertreatment 1 Diesel Exhaust Fluid Tank Temperature : Voltage Below Normal	3134-4 Aftertreatment #1 SCR Catalyst Reagent Tank #1 Temperature Sensor : Voltage Below Normal
3516-2 Aftertreatment #1 DEF Concentration: Erratic, Intermittent, or Incorrect	3100-2 Aftertreatment #1 DEF Concentration: Erratic, Intermittent, or Incorrect
3216-11 Aftertreatment #1 Intake NOx : Other Failure Mode	3655-11 Aftertreatment #1 Intake NOx Level Sensor : Other Failure Mode
3216-12 Aftertreatment #1 Intake NOx : Failure	3655-12 Aftertreatment #1 Intake NOx Level Sensor : Failure
3226-11 Aftertreatment #1 Outlet NOx : Other Failure Mode	3609-11 Aftertreatment #1 Outlet #1 NOx Level Sensor : Other Failure Mode
3226-12 Aftertreatment #1 Outlet NOx : Failure	3609-12 Aftertreatment #1 Outlet #1 NOx Level Sensor : Failure
3241-3 Exhaust Gas Temperature 1 : Voltage Above Normal	3485-3 Aftertreatment #1 Exhaust Gas Temperature #1 Sensor : Voltage Above Normal
3241-4 Exhaust Gas Temperature 1 : Voltage Below Normal	3485-4 Aftertreatment #1 Exhaust Gas Temperature #1 Sensor : Voltage Below Normal
3242-3 Particulate Trap Intake Gas Temperature : Voltage Above Normal	2452-3 DPF #1 Intake Temperature Sensor : Voltage Above Normal
3242-4 Particulate Trap Intake Gas Temperature : Voltage Below Normal	2452-4 DPF #1 Intake Temperature Sensor : Voltage Below Normal
3251-2 Particulate Trap Differential Pressure : Erratic, Intermittent, or Incorrect	2458-2 DPF #1 Differential Pressure Sensor : Erratic, Intermittent, or Incorrect
3251-3 Particulate Trap Differential Pressure : Voltage Above Normal	2458-3 DPF #1 Differential Pressure Sensor : Voltage Above Normal
3251-4 Particulate Trap Differential Pressure : Voltage Below Normal	2458-4 DPF #1 Differential Pressure Sensor : Voltage Below Normal
3251-13 Particulate Trap Differential Pressure : Out of Calibration	2458-13 DPF #1 Differential Pressure Sensor : Out of Calibration
3358-3 Engine Exhaust Gas Recirculation Inlet Pressure : Voltage Above Normal	3385-3 EGR Intake Pressure Sensor : Voltage Above Normal
3358-4 Engine Exhaust Gas Recirculation Inlet Pressure : Voltage Below Normal	3385-4 EGR Intake Pressure Sensor : Voltage Below Normal
3358-13 Engine Exhaust Gas Recirculation Inlet Pressure : Calibration Required	3385-13 EGR Intake Pressure Sensor : Calibration Required

CAT C13, C15, and C18 Tier 4 Final Engine Fault Codes

J1939 Code and Description	CDL Code and Description
3358-21 Engine Exhaust Gas Recirculation Inlet Pressure : Data Drifted Low	3385-21 EGR Intake Pressure Sensor : Data Drifted Low
3360-3 Aftertreatment 1 Diesel Exhaust Fluid Controller : Voltage Above Normal	3820-3 Aftertreatment #1 Diesel Exhaust Fluid Controller : Voltage Above Normal
3360-4 Aftertreatment 1 Diesel Exhaust Fluid Controller : Voltage Below Normal	3820-4 Aftertreatment #1 Diesel Exhaust Fluid Controller : Voltage Below Normal
3360-9 Aftertreatment #1 DEF Controller : Abnormal Update Rate	3820-9 Aftertreatment #1 Diesel Exhaust Fluid Controller : Abnormal Update Rate
3360-12 Aftertreatment 1 Diesel Exhaust Fluid Controller : Failure	3820-12 Aftertreatment #1 Diesel Exhaust Fluid Controller : Failure
3361-5 Catalyst Dosing Unit : Current Below Normal	3821-5 Aftertreatment #1 Diesel Exhaust Fluid Dosing Valve Actuator : Current Below Normal
3361-6 Catalyst Dosing Unit : Current Above Normal	3821-6 Aftertreatment #1 Diesel Exhaust Fluid Dosing Valve Actuator : Current Above Normal
3361-7 Catalyst Dosing Unit : Not Responding Properly	3821-7 Aftertreatment #1 Diesel Exhaust Fluid Dosing Valve Actuator : Not Responding Properly
3361-11 Catalyst Dosing Unit : Other Failure Mode	3821-11 Aftertreatment #1 Diesel Exhaust Fluid Dosing Valve Actuator : Other Failure Mode
3361-12 Aftertreatment #1 DEF Dosing Unit : Failure	3821-12 Aftertreatment #1 DEF Dosing Valve Actuator #1 : Failure
3361-14 Catalyst Dosing Unit : Special Instruction	3821-14 Aftertreatment #1 Diesel Exhaust Fluid Dosing Valve Actuator : Special Instruction
3363-5 Aftertreatment 1 Diesel Exhaust Fluid Tank Heater : Current Below Normal	3126-5 Aftertreatment #1 SCR Catalyst Reagent Tank #1 Heater Coolant Diverter Solenoid : Current Below Normal
3363-6 Aftertreatment 1 Diesel Exhaust Fluid Tank Heater : Current Above Normal	3126-6 Aftertreatment #1 SCR Catalyst Reagent Tank #1 Heater Coolant Diverter Solenoid : Current Above Normal
3363-7 Aftertreatment 1 Diesel Exhaust Fluid Tank Heater : Not Responding Properly	3126-7 Aftertreatment #1 SCR Catalyst Reagent Tank #1 Heater Coolant Diverter Solenoid : Not Responding Properly
3479-5 Aftertreatment #1 Fuel Pressure Control : Current Below Normal	2461-5 ARD Fuel Pressure #1 Control : Current Below Normal
3479-6 Aftertreatment #1 Fuel Pressure Control : Current Above Normal	2461-6 ARD Fuel Pressure #1 Control : Current Above Normal
3480-3 Aftertreatment #1 Fuel Pressure #1 : Voltage Above Normal	2460-3 ARD Fuel Pressure #1 Sensor : Voltage Above Normal
3480-4 Aftertreatment #1 Fuel Pressure #1 : Voltage Below Normal	2460-4 ARD Fuel Pressure #1 Sensor : Voltage Below Normal
3484-5 Aftertreatment #1 Ignition : Current Below Normal	2465-5 Aftertreatment #1 Ignition Transformer Primary : Current Below Normal

CAT C13, C15, and C18 Tier 4 Final Engine Fault Codes

J1939 Code and Description	CDL Code and Description
3484-6 Aftertreatment #1 Ignition : Current Above Normal	2465-6 Aftertreatment #1 Ignition Transformer Primary : Current Above Normal
3487-5 Aftertreatment #1 Air Pressure Control : Current Below Normal	2489-5 ARD Air Pressure Control Actuator : Current Below Normal
3487-6 Aftertreatment #1 Air Pressure Control : Current Above Normal	2489-6 ARD Air Pressure Control Actuator : Current Above Normal
3487-13 Aftertreatment #1 Air Pressure Control : Out of Calibration	2489-13 ARD Air Pressure Control Actuator : Out of Calibration
3488-3 Aftertreatment #1 Air Pressure Actuator Position : Voltage Above Normal	2490-3 ARD Air Pressure Control Actuator Position Sensor : Voltage Above Normal
3488-4 Aftertreatment #1 Air Pressure Actuator Position : Voltage Below Normal	2490-4 ARD Air Pressure Control Actuator Position Sensor : Voltage Below Normal
3509-3 Sensor Supply Voltage 1 : Voltage Above Normal	262-3 5 Volt Sensor DC Power Supply : Voltage Above Normal
3509-4 Sensor Supply Voltage 1 : Voltage Below Normal	262-4 5 Volt Sensor DC Power Supply : Voltage Below Normal
3510-3 Sensor Supply Voltage 2 : Voltage Above Normal	2131-3 5 Volt Sensor DC Power Supply #2 : Voltage Above Normal
3510-4 Sensor Supply Voltage 2 : Voltage Below Normal	2131-4 5 Volt Sensor DC Power Supply #2 : Voltage Below Normal
3511-11 Sensor Supply Voltage 3 : Other Failure Mode	3482-11 Sensor Supply #3 : Other Failure Mode
3516-12 Catalyst Reagent Concentration : Failure	3100-12 Aftertreatment #1 SCR Catalyst Tank Reagent Quality Sensor : Failure
3563-3 Engine Intake Manifold #1 Absolute Pressure : Voltage Above Normal	1785-3 Intake Manifold Pressure Sensor : Voltage Above Normal
3563-4 Engine Intake Manifold #1 Absolute Pressure : Voltage Below Normal	1785-4 Intake Manifold Pressure Sensor : Voltage Below Normal
3563-13 Engine Intake Manifold #1 Absolute Pressure : Calibration Required	1785-13 Intake Manifold Pressure Sensor : Calibration Required
3563-21 Engine Intake Manifold #1 Absolute Pressure : Data Drifted Low	1785-21 Intake Manifold Pressure Sensor : Data Drifted Low
3609-3 DPF #1 Intake Pressure : Voltage Above Normal	3464-3 DPF #1 Intake Pressure Sensor : Voltage Above Normal
3609-4 DPF #1 Intake Pressure : Voltage Below Normal	3464-4 DPF #1 Intake Pressure Sensor : Voltage Below Normal
3609-13 DPF #1 Intake Pressure : Calibration Required	3464-13 DPF #1 Intake Pressure Sensor : Calibration Required
3609-21 DPF #1 Intake Pressure : Data Drifted Low	3464-21 DPF #1 Intake Pressure Sensor : Data Drifted Low
3659-5 Engine Injector Cylinder #1 Actuator #2 : Current Below Normal	2602-5 Cylinder #1 Injector Actuator #2 : Current Below Normal
3659-6 Engine Injector Cylinder #1 Actuator #2 : Current Above Normal	2602-6 Cylinder #1 Injector Actuator #2 : Current Above Normal

CAT C13, C15, and C18 Tier 4 Final Engine Fault Codes

J1939 Code and Description	CDL Code and Description
3660-5 Engine Injector Cylinder #2 Actuator #2 : Current Below Normal	2604-5 Cylinder #2 Injector Actuator #2 : Current Below Normal
3660-6 Engine Injector Cylinder #2 Actuator #2 : Current Above Normal	2604-6 Cylinder #2 Injector Actuator #2 : Current Above Normal
3661-5 Engine Injector Cylinder #3 Actuator #2 : Current Below Normal	2606-5 Cylinder #3 Injector Actuator #2 : Current Below Normal
3661-6 Engine Injector Cylinder #3 Actuator #2 : Current Above Normal	2606-6 Cylinder #3 Injector Actuator #2 : Current Above Normal
3662-5 Engine Injector Cylinder #4 Actuator #2 : Current Below Normal	2608-5 Cylinder #4 Injector Actuator #2 : Current Below Normal
3662-6 Engine Injector Cylinder #4 Actuator #2 : Current Above Normal	2608-6 Cylinder #4 Injector Actuator #2 : Current Above Normal
3663-5 Engine Injector Cylinder #5 Actuator #2 : Current Below Normal	2610-5 Cylinder #5 Injector Actuator #2 : Current Below Normal
3663-6 Engine Injector Cylinder #5 Actuator #2 : Current Above Normal	2610-6 Cylinder #5 Injector Actuator #2 : Current Above Normal
3664-5 Engine Injector Cylinder #6 Actuator #2 : Current Below Normal	2612-5 Cylinder #6 Injector Actuator #2 : Current Below Normal
3664-6 Engine Injector Cylinder #6 Actuator #2 : Current Above Normal	2612-6 Cylinder #6 Injector Actuator #2 : Current Above Normal
3695-2 Particulate Trap Regeneration Inhibit Switch : Erratic, Intermittent, or Incorrect	3184-2 DPF Regeneration Inhibit Switch : Erratic, Intermittent, or Incorrect
3696-2 Particulate Trap Regeneration Force Switch : Erratic, Intermittent, or Incorrect	3183-2 DPF Regeneration Force Switch : Erratic, Intermittent, or Incorrect
3697-5 Particulate Trap Lamp Command : Current Below Normal	1090-5 N/A
3697-6 Particulate Trap Lamp Command : Current Above Normal	1090-6 N/A
3698-5 Exhaust System High Temperature Lamp Command : Current Below Normal	1091-5 N/A
3698-6 Exhaust System High Temperature Lamp Command : Current Above Normal	1091-6 N/A
3837-3 Aftertreatment 1 Secondary Air Pressure : Voltage Above Normal	3493-3 Aftertreatment #1 Secondary Air Pressure Sensor : Voltage Above Normal
3837-4 Aftertreatment 1 Secondary Air Pressure : Voltage Below Normal	3493-4 Aftertreatment #1 Secondary Air Pressure Sensor : Voltage Below Normal
3837-13 Aftertreatment 1 Secondary Air Pressure : Calibration Required	3493-13 Aftertreatment #1 Secondary Air Pressure Sensor : Calibration Required

CAT C13, C15, and C18 Tier 4 Final Engine Fault Codes

J1939 Code and Description	CDL Code and Description
3837-21 Aftertreatment 1 Secondary Air Pressure : Data Drifted Low	3493-21 Aftertreatment #1 Secondary Air Pressure Sensor : Data Drifted Low
4077-3 Aftertreatment #1 Fuel Pressure #2 : Voltage Above Normal	2497-3 ARD Fuel Pressure #2 Sensor : Voltage Above Normal
4077-4 Aftertreatment #1 Fuel Pressure #2 : Voltage Below Normal	2497-4 ARD Fuel Pressure #2 Sensor : Voltage Below Normal
4212-5 Fan Drive Bypass Command Status : Current Below Normal	291-5 Engine Cooling Fan Solenoid : Current Below Normal
4212-6 Fan Drive Bypass Command Status : Current Above Normal	291-6 Engine Cooling Fan Solenoid : Current Above Normal
4212-13 Fan Drive Bypass Command Status : Out of Calibration	1551-13 Engine Demand Fan System : Out of Calibration
4214-5 Engine Fan Reverse Actuator : Current Below Normal	485-5 Engine Fan Reversing Solenoid : Current Below Normal
4214-6 Engine Fan Reverse Actuator : Current Above Normal	485-6 Engine Fan Reversing Solenoid : Current Above Normal
4215-3 Ground-Level Shutdown Activated : Voltage Above Normal	267-3 Remote Shutdown Input : Voltage Above Normal
4215-4 Ground-Level Shutdown Activated : Voltage Below Normal	267-4 Remote Shutdown Input : Voltage Below Normal
4265-5 Aftertreatment #1 Transformer Secondary Output : Current Below Normal	3180-5 Aftertreatment #1 Ignition Transformer Secondary : Current Below Normal
4301-3 Aftertreatment #1 Fuel Injector #1 Heater Control : Voltage Above Normal	3182-3 Aftertreatment #1 Fuel Injector #1 Heater : Voltage Above Normal
4301-4 Aftertreatment #1 Fuel Injector #1 Heater Control : Voltage Below Normal	3182-4 Aftertreatment #1 Fuel Injector #1 Heater : Voltage Below Normal
4301-5 Aftertreatment #1 Fuel Injector #1 Heater Control : Current Below Normal	3182-5 Aftertreatment #1 Fuel Injector #1 Heater : Current Below Normal
4301-6 Aftertreatment #1 Fuel Injector #1 Heater Control : Current Above Normal	3182-6 Aftertreatment #1 Fuel Injector #1 Heater : Current Above Normal
4334-3 Aftertreatment 1 Diesel Exhaust Fluid Doser Absolute Pressure : Voltage Above Normal	3090-3 Aftertreatment #1 SCR Dosing Reagent Pressure Sensor : Voltage Above Normal
4334-4 Aftertreatment 1 Diesel Exhaust Fluid Doser Absolute Pressure : Voltage Below Normal	3090-4 Aftertreatment #1 SCR Dosing Reagent Pressure Sensor : Voltage Below Normal
4334-7 Aftertreatment 1 Diesel Exhaust Fluid Doser Absolute Pressure : Not Responding Properly	3090-7 Aftertreatment #1 SCR Dosing Reagent Pressure Sensor : Not Responding Properly
4337-8 Aftertreatment 1 Diesel Exhaust Fluid Dosing Temperature : Abnormal Frequency, Pulse Width, or Period	3096-8 Aftertreatment #1 SCR Dosing Reagent Temperature #1 Sensor : Abnormal Frequency, Pulse Width, or Period

CAT C13, C15, and C18 Tier 4 Final Engine Fault Codes

J1939 Code and Description	CDL Code and Description
4354-5 Aftertreatment 1 Diesel Exhaust Fluid Line Heater 1 : Current Below Normal	3110-5 Aftertreatment #1 SCR Catalyst Reagent Line Heater #1 : Current Below Normal
4354-6 Aftertreatment 1 Diesel Exhaust Fluid Line Heater 1 : Current Above Normal	3110-6 Aftertreatment #1 SCR Catalyst Reagent Line Heater #1 : Current Above Normal
4355-5 Aftertreatment 1 Diesel Exhaust Fluid Line Heater 2 : Current Below Normal	3111-5 Aftertreatment #1 SCR Catalyst Reagent Line Heater #2 : Current Below Normal
4355-6 Aftertreatment 1 Diesel Exhaust Fluid Line Heater 2 : Current Above Normal	3111-6 Aftertreatment #1 SCR Catalyst Reagent Line Heater #2 : Current Above Normal
4356-5 Aftertreatment 1 Diesel Exhaust Fluid Line Heater 3 : Current Below Normal	3112-5 Aftertreatment #1 SCR Catalyst Reagent Line Heater #3 : Current Below Normal
4356-6 Aftertreatment 1 Diesel Exhaust Fluid Line Heater 3: Current Above Normal	3112-6 Aftertreatment #1 SCR Catalyst Reagent Line Heater #3 : Current Above Normal
4360-3 Aftertreatment #1 SCR Catalyst Intake Gas Temperature : Voltage Above Normal	3105-3 Aftertreatment #1 SCR Catalyst Intake Gas Temperature Sensor : Voltage Above Normal
4360-4 Aftertreatment #1 SCR Catalyst Intake Gas Temperature : Voltage Below Normal	3105-4 Aftertreatment #1 SCR Catalyst Intake Gas Temperature Sensor : Voltage Below Normal
4374-5 Aftertreatment #1 Diesel Exhaust Fluid Pump Motor Speed : Current Below Normal	3118-5 Aftertreatment #1 SCR Catalyst Reagent Pump Motor Speed Sensor : Current Below Normal
4374-6 Aftertreatment #1 Diesel Exhaust Fluid Pump Motor Speed : Current Above Normal	3118-6 Aftertreatment #1 SCR Catalyst Reagent Pump Motor Speed Sensor : Current Above Normal
4374-8 Aftertreatment #1 Diesel Exhaust Fluid Pump Motor Speed : Abnormal Frequency, Pulse Width, or Period	3118-8 Aftertreatment #1 SCR Catalyst Reagent Pump Motor Speed Sensor : Abnormal Frequency, Pulse Width, or Period
4376-5 Aftertreatment 1 Diesel Exhaust Fluid Return Valve : Current Below Normal	3862-5 Aftertreatment #1 Diesel Exhaust Fluid Return Valve Solenoid : Current Below Normal
4376-6 Aftertreatment 1 Diesel Exhaust Fluid Return Valve : Current Above Normal	3862-6 Aftertreatment #1 Diesel Exhaust Fluid Return Valve Solenoid : Current Above Normal
4376-7 Aftertreatment 1 Diesel Exhaust Fluid Return Valve : Not Responding Properly	3862-7 Aftertreatment #1 Diesel Exhaust Fluid Return Valve Solenoid : Not Responding Properly
5276-5 Engine Exhaust Manifold Bank #1 Flow Balance Valve Actuator Control : Current Below Normal	3409-5 Engine Exhaust Manifold Bank #1 Flow Balance Valve Solenoid : Current Below Normal
5276-6 Engine Exhaust Manifold Bank #1 Flow Balance Valve Actuator Control : Current Above Normal	3409-6 Engine Exhaust Manifold Bank #1 Flow Balance Valve Solenoid : Current Above Normal
5423-5 Aftertreatment #1 Fuel Pump Relay Control : Current Below Normal	3427-5 Aftertreatment Fuel Pump Relay : Current Below Normal
5423-6 Aftertreatment #1 Fuel Pump Relay Control : Current Above Normal	3427-6 Aftertreatment Fuel Pump Relay : Current Above Normal
5424-5 Aftertreatment #1 Fuel Flow Diverter Valve Control : Current Below Normal	3413-5 ARD Fuel Flow Diverter Actuator : Current Below Normal

CAT C13, C15, and C18 Tier 4 Final Engine Fault Codes

J1939 Code and Description	CDL Code and Description
5424-6 Aftertreatment #1 Fuel Flow Diverter Valve Control : Current Above Normal	3413-6 ARD Fuel Flow Diverter Actuator : Current Above Normal
5425-5 Aftertreatment #1 Fuel Pressure #2 Actuator Control : Current Below Normal	3391-5 ARD Fuel Pressure #2 Control Actuator : Current Below Normal
5425-6 Aftertreatment #1 Fuel Pressure #2 Actuator Control : Current Above Normal	3391-6 ARD Fuel Pressure #2 Control Actuator : Current Above Normal
5491-5 Aftertreatment #1 DEF Line Heater Relay : Current Below Normal	3822-5 Aftertreatment #1 Diesel Exhaust Fluid Line Heater Relay : Current Below Normal
5491-6 Aftertreatment #1 DEF Line Heater Relay : Current Above Normal	3822-6 Aftertreatment #1 Diesel Exhaust Fluid Line Heater Relay : Current Above Normal
5576-2 Aftertreatment #1 Identification : Erratic, Intermittent, or Incorrect	3468-2 Aftertreatment #1 Identification Number Module : Erratic, Intermittent, or Incorrect
5576-8 Aftertreatment #1 Identification : Abnormal Frequency, Pulse Width, or Period	3468-8 Aftertreatment #1 Identification Number Module : Abnormal Frequency, Pulse Width, or Period
5576-14 Aftertreatment #1 Identification : Special Instruction	3468-14 Aftertreatment #1 Identification Number Module : Special Instruction
5577-2 Aftertreatment #2 Identification : Erratic, Intermittent, or Incorrect	3469-2 Aftertreatment #2 Identification Number Module: Erratic, Intermittent, or Incorrect
5577-8 Aftertreatment #2 Identification Number Module: Abnormal Frequency, Pulse Width, or Period	3469-8 Aftertreatment #2 Identification Number Module: Abnormal Frequency, Pulse Width, or Period
5577-14 Aftertreatment #2 Identification : Special Instruction	3469-14 Aftertreatment #2 Identification Number Module: Special Instruction
5578-3 Engine Fuel Delivery Absolute Pressure : Voltage Above Normal	289-3 Fuel Pressure Sensor - Before Fuel Filter : Voltage Above Normal
5578-4 Engine Fuel Delivery Absolute Pressure : Voltage Below Normal	289-4 Fuel Pressure Sensor - Before Fuel Filter : Voltage Below Normal
5578-21 Engine Fuel Delivery Absolute Pressure : Data Drifted Low	289-21 Fuel Pressure Sensor - Before Fuel Filter : Data Drifted Low
5580-3 Engine Filtered Fuel Delivery Absolute Pressure : Voltage Above Normal	460-3 Fuel Pressure Sensor - After Fuel Filter : Voltage Above Normal
5580-4 Engine Filtered Fuel Delivery Absolute Pressure : Voltage Below Normal	460-4 Fuel Pressure Sensor - After Fuel Filter : Voltage Below Normal
5580-21 Engine Filtered Fuel Delivery Absolute Pressure : Data Drifted Low	460-21 Fuel Pressure Sensor - After Fuel Filter : Data Drifted Low
5758-11 Aftertreatment #1 Intake Gas Sensor Power Supply : Other Failure Mode	3621-11 Engine Exhaust NOx Level Sensor Power Supply : Other Failure Mode
5759-11 Aftertreatment #1 Outlet Gas Sensor Power Supply : Other Failure Mode	3619-11 Aftertreatment #1 Outlet #1 NOx Level Sensor Power Supply : Other Failure Mode
5965-5 Aftertreatment 1 Diesel Exhaust Fluid Control Module Relay Control : Current Below Normal	3838-5 Aftertreatment #1 Diesel Exhaust Fluid Dosing Control Module Relay : Current Below Normal

CAT C13, C15, and C18 Tier 4 Final Engine Fault Codes

J1939 Code and Description	CDL Code and Description
5965-6 Aftertreatment 1 Diesel Exhaust Fluid Control Module Relay Control : Current Above Normal	3838-6 Aftertreatment #1 Diesel Exhaust Fluid Dosing Control Module Relay : Current Above Normal
5966-5 Aftertreatment 1 Diesel Exhaust Fluid Control Module Power Supply : Current Below Normal	3965-5 Aftertreatment #1 Diesel Exhaust Fluid Control Module Power Supply #1 : Current Below Normal
5966-6 Aftertreatment 1 Diesel Exhaust Fluid Control Module Power Supply : Current Above Normal	3965-6 Aftertreatment #1 Diesel Exhaust Fluid Control Module Power Supply #1 : Current Above Normal
6309-6 Aftertreatment #1 Diesel Exhaust Fluid Control Module Power Supply #2 : Current Above Normal	3966-6 Aftertreatment #1 Diesel Exhaust Fluid Control Module Power Supply #2 : Current Above Normal