



CANDO Diagnostic List Cummins_v8.27

Remark:

1. ✓ : means that the system has this function
2. - : means that the system does not have this function
3. compared with the last version, the new added function is marked in red color.

System	Function	list
Cummins diesel engines	Version information	✓
	Read DTC	✓
	Clear DTC	✓
Cummins diesel engines	Read data stream	1.All Parameters 2.Aftertreatment 3.Aftertreatment - SCR 4.Aftertreatment - Diesel Particulate Filter 5.Aftertreatment - Diesel Particulate FilterStationary Regeneration 6.Engine Braking 7.Engine Protection 8.ECM Information 9.Dataplate 10.Low Power/Fuel Economy 11.Sensors 12.White Smoke/Engine Stumble 13.Hard Start 14.Switches 15.Lamps 16.EGR and Turbocharger Performance 17.Stop Start 18.Transmission 19.Relays 20.Driver Operation Interlock 21.Normal adjustable parameters 22.Normal adjustable features 23.Trip Fuel Report 24.OEM Security 25.OEM Domain 2 Parameters 26.Non Template parameters 27.Adjustable but non restorable parameters 28.Road Speed Governor Restriction 29.Green House Gas Idle ShutDown Parameters 30.Green House Gas Vehicle Speed LimiterParameters 31.Other

System	Function	list
Cummins diesel engines	Actuation test	<ul style="list-style-type: none"> 1.Aftertreatment Diesel Exhaust Fluid Pump Heater Test 2.1.Aftertreatment Diesel Exhaust Fluid System Leak Test 3.Aftertreatment Diesel Particulate Filter Regeneration 4.Aftertreatment SCR Performance Test 5.Aftertreatment High NOx Reset 6.Aftertreatment SCR Catalyst Desulphurization 7.Cylinder Cutout Test 8.Diesel Exhaust Fluid Doser Pump Air Solenoid Click Test 9.Diesel Exhaust Fluid Doser Pump Override Test 10.Diesel Exhaust Fluid Doser System Heater Test 11.EFC Actuator Override Test 12.Electric Fuel Lift Pump Override Test 13.Engine State Monitor 14.Fan Override Test 15.Fast Idle Warmup Test 16.Fuel Injector Performance Test 17.Fuel System Leakage Test 18.Intake Air Heater Override 19.SAE J1939 Datalink Control Test 20.Setup for Dynamometer 21.Starter Lockout Relay Driver Override Test 22.VGT Electronic Actuator Installation and Calibration 23.VGT Hysteresis Test 24.Aftertreatment Shutoff Valve and Injector Override Test 25.Centinel Operational Test 26.Dual Fan Clutch Test 27.Gas Throttle Control Test 28.Heated Oxygen Sensor Test 29.Injector Check Valve Diagnostics Test 30.Power Generation Tuning Test 31.Engine Protection Witness Test
Cummins diesel engines	Trip Information	<ul style="list-style-type: none"> 1.All Trips(Cumulative) 2.Trip Since Last Reset 3.Trip Since Last Reset Drive(Vehicle Speed > 0) 4.Trip Information Reset
Cummins diesel engines	Features and Parameters	<ul style="list-style-type: none"> 1.System ID and Dataplate 2.Accelerator Interlock 3.Accelerator Options 4.Accelerator Options 5.Adjustable Low Idle Speed 6.AEM Trend Log 7.Aftertreatment 8.Aftertreatment Diesel Particulate Filter Regeneration Inhibit Lamp 9.Air Conditioner Control 10.Air Conditioner Switch 11.Air Shut Off Valve 12.Alternate Torque 13.Alternator Failure Warning 14.Anti-Lock Brake (ABS) Controller 15Automatic Boost Power 16.Auxiliary Governor Control 17.Battery Power Required Lamp 18.Boost Power 19.Broadcasted Percent Power 20.Centinel Oil System 21.Charge Air Cooler Outlet Temperature Sensor 22.Clutch Pedal Position Switch 23.Clutch Protection 24.Cold Idle Warmup 25.Constrained Operation 26.Compressor Intake Density Torque Derate 27.Crankcase Ventilation Heater 28.Cruise Control 29.Cruise Control 30.Cruise Control and Engine Brake Interaction

System	Function	list
Cummins diesel engines	Features and Parameters	<ul style="list-style-type: none"> 31.Customer Constrained Operation 32.Cyclical Load Acceptance Gain Adjust 33.Dedicated Fault Lamps 34.Dedicated Pulse Width Modulation Output 35.Driver Reward 36.Driver Reward 37.Dual Fan Clutch Control 38.Dual Outputs Based On Sensed Parameters 39.Electric Fuel Lift Pump 40.Electrical System Voltage 41.Engine Brake Control 42.Engine Coolant Level Sensor 43.Engine Coolant Level Sensor 2 44.Engine Oil Level 45.Engine Oil Pressure Sensor 46.Engine Overload Protection 47.Engine Protection 48.Engine Rebuild Run Time 49.Engine Speed Cruise Control 50.Engine Start Stop Permit 51.Engine Warmup Protection 52.Enhanced Auxiliary Shutdown Switch 53.Ether Injection Enable 54.Fan Control 55.Fan Control 56.Fault Acknowledge Switch Enable 57.Fast Idle Warmup 58.Final Inducement Restart 59.Frequency Accelerator Pedal or Lever 60.Fuel Filter Restriction Indicator Switch
Cummins diesel engines	Features and Parameters	<ul style="list-style-type: none"> 61.Fuel Grade Enable 62.Fuel Level Sensor 2 63.Fuel Usage Adjustment 64.Gear Down Protection 65.Governor Type 66.High NOx Reset 67.High Pressure Common Rail Injector Setup Enable 68.High Soot Load Shutdown 69.High Sulphur Protection Inhibit 70.Idle Rampdown 71.Idle Shutdown 72.Idle Shutdown 73.Idle Shutdown 74.Immobilizer 75.Inducement Override Switch 76.Intake Air Heater 77.Intermediate Speed Control 78.Intermediate Speed Control 79.J1939 Controls 80.Load Based Acceleration Control 81.Load Based Speed Control 82.Load Based Speed Control 83.Load Based Speed Control - Enhanced 84.Maintenance Monitor 85.Multi Function Switch Enable 86.Multiple Unit Synchronization 87.OEM Ambient Air Temperature Sensor 88.OEM Auxiliary Pressure Sensor Fault Threshold 89.OEM Auxiliary Switch Input 90.OEM Auxiliary Temperature 2

System	Function	list
Cummins diesel engines	Features and Parameters	<ul style="list-style-type: none"> 91.OEM Simple Lockout 92.OEM Switch 1 93.OEM Switch 2 94.OEM Switch 3 95.OEM Switch 4 96.OEM Switch 5 97.Oil Level Electronic Dipstick 98.Oil Level Sensor Enhanced 99.Parking Brake Switch 100.Powertrain Protection 101.Powertrain Protection 102.Powertrain Protection 103.Primary Accelerator Pedal Or Lever 104.PTO 105.Rated Overspeed Protection 106.Rated Speed Adjust 107.Remote Accelerator Pedal or Lever 108.Remote Start 109.Road Speed Governor 110.RS422 Communication 111.SAE J1939 Multiplexing 112.Service Brake Switch 113.Service Brake Validation Switch 114.Single Bank Cutout 115.Smart Torque 2 116.Starter Lockout 117.Starter Control 118.Sudden Deceleration Event Settings 119.Switched Alternate Low Idle Speed 120.Switched Droop
Cummins diesel engines	Features and Parameters	<ul style="list-style-type: none"> 121.Switched Droop 122.Switched Maximum Engine Operating Speed 123.Tire Wear Adjustment 124.Transmission Accelerator Interlock 125.Transmission Setup 126.Transmission Setup 127.Trip Information 128.Trip Information 129.User Adjustable Fuel Economy 130.Variable Rate Vehicle Acceleration Management 131.Vehicle Acceleration Management 132.Vehicle Speed Based Device Driver A 133.Vehicle Speed Based Driver B 134.Vehicle Speed Sensor Anti-Tampering 135.Vehicle Speed Sensor Anti-Tampering 136.Vehicle Speed Sensor Anti-Tampering 137.Vehicle Speed Source 138.Vehicle Speed Source 139.Water In Fuel Sensor

System	Function	list
Cummins diesel engines	Advanced ECM Data	<ul style="list-style-type: none"> 1.Aftertreatment Maintenance 2.Aftertreatment Maintenance Filter Installation 3.Aftertreatment Particulate Matter Sensor Regeneration 4.Aftertreatment SCR Catalyst Cold Soak Override 5.Diesel Exhaust Fluid Doser Purge Counter 6.Duty Cycle Monitor 7.Fuel Consumption Monitor 8.Fuel Injector Reset 9.Fuel System Table Reset 10.High Pressure Common Rail Injector Setup 11.Hybrid Engine Start Stop Override 12.Idle Shutdown Override 13.Immobilizer Installation 14.Maintenance Monitor 15.Turbocharger Actuator Compatibility 16.Vehicle Classification
remark: ✓ means system has this function - means not		