



Shenzhen Xtooltech Co., Ltd

Cummins Function List V21.30

Tips and Instructions:

- * This feature is new.
- √ This feature is supported.
- This feature is not supported.
- ※ This feature is partially supported.

Engine Model	Read ECU Information	Read Trouble Code	Clear Trouble Code	Live Data	Read Freeze Frame	Actuation Test	Special Functions	Features and Parameters	ECM password	Trip information	Follow-up inspection
CM2150、 CM2880、 CM2620、 CM2350、 CM2220、 CM2670、CM876	√	√	√	√	√	AT0001-AT0037	SP0001-SP0019	FP0001-FP0046	√	√	√
CM570、CM850 、CM800	√	√	√	√				FP0001-FP0020 FP0022-FP0023 FP0025-FP0034 FP0036-FP0038 FP0042 FP0046			

Actuator Tests

No.	Functions Name
AT0001	Cylinder Cutout Test
AT0002	VGT Electronic Actuator Installation and Calibration
AT0003	Cylinder Performance Test
AT0004	Fan Override Test
AT0005	Fast Idle Warm-up Test
AT0006	Aftertreatment SCR Performance Test
AT0007	DPF-Aftertreatment Diesel Particulate Filter Regeneration
AT0008	Aftertreatment Diesel Exhaust Fluid System Leak Test
AT0009	Aftertreatment Diesel Exhaust Fluid Doser Pump Override Test
AT0010	Fuel Level Override Test
AT0011	ShutOff Valve Solenoid Actuator Test
AT0012	Aftertreatment DPF Regeneration Analyzer
AT0013	Exhaust Throttle Actuator Install and Calibration
AT0014	Exhaust Throttle Hysteresis Test
AT0015	Engine Compression And Air Handling System Test
AT0016	Aftertreatment Inducement Witness Test
AT0017	Aftertreatment Current Based Particulate Matter Sensor Regeneration Test
AT0018	Engine Fuel Supply Pump Override Test
AT0019	Diesel Exhaust Fluid Doser System Heater Test
AT0020	Starter Intake Air Heater Override Test
AT0021	Aftertreatment Diesel Particulate Filter Deep Clean Regeneration Test
AT0022	Fuel Injector Performance Test
AT0023	VGT Hysteresis Test
AT0024	Engine State Monitor
AT0025	Diesel Exhaust Fluid Doser System Heater Test
AT0026	Starter Lockout Relay Driver Override Test
AT0027	Aftertreatment SCR System Test
AT0028	Aftertreatment SCR Catalyst Desulphurization Test
AT0029	Dual Fan Clutch Control
AT0030	Setup for Dynamometer

AT0031	Centinel Operational Test
AT0032	Intake Air Heater Override
AT0033	Electric Fuel Lift Pump Override Test
AT0034	Open Loop Mode Lock-In Test
AT0035	Heated Oxygen Sensor Test
AT0036	Injector Check Valve Diagnostics Test
AT0037	Gas Throttle Control Test

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Features and Parameters

No.	Functions Name
FP0001	System ID and Dataplate
FP0002	J1939 Controls
FP0003	OEM Ambient Air Temperature Sensor
FP0004	PTO
FP0005	SAE J1939 Multiplexing
FP0006	Transmission Setup
FP0007	Vehicle Speed Sensor Anti-Tampering
FP0008	Vehicle Speed Source
FP0009	Alternator Failure Warning
FP0010	Idle Shutdown
FP0011	Road Speed Governor
FP0012	Electrical System Voltage User Selectable
FP0013	Powertrain Protection
FP0014	Engine Protection
FP0015	Engine Oil Pressure Sensor
FP0016	Engine Coolant Level Sensor
FP0017	Engine Warmup Protection
FP0018	Engine Brake Control
FP0019	Immobilizer
FP0020	Fan Control
FP0021	High NOx Reset
FP0022	Service Brake Switch
FP0023	Trip Information
FP0024	Load Based Speed Control Acceleration Management
FP0025	Aftertreatment
FP0026	Gear Down Protection
FP0027	Intake Air Heater
FP0028	Switched Maximum Engine Operating Speed
FP0029	Variable Rate Vehicle
FP0030	Adjustable Low Idle Speed

FP0031	Air Conditioner Switch
FP0032	Fast Idle Warmup
FP0033	Clutch Pedal Position Switch
FP0034	Starter Lockout
FP0035	Fuel Usage Adjustment
FP0036	Governor Type
FP0037	Maintenance Monitor
FP0038	Cruise Control
FP0039	Cruise Control and Engine Brake Interaction
FP0040	Cruise Control Switch Setup
FP0041	Accelerator Interlock
FP0042	Accelerator Options
FP0043	Remote Accelerator Pedal or Lever
FP0044	Oil Level Sensor Enhanced
FP0045	Parking Brake Switch
FP0046	Water In Fuel Sensor

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Special Functions List

No.	Functions Name
SP0001	Aftertreatment Diesel Oxidation Catalyst Efficiency
SP0002	Aftertreatment DPF Absence History
SP0003	Aftertreatment History
SP0004	Aftertreatment History
SP0005	Aftertreatment Maintenance
SP0006	Aftertreatment Maintenance Filter Installation
SP0007	Aftertreatment Particulate Matter Sensor Regeneration
SP0008	Aftertreatment SCR Catalyst Cold Soak Override
SP0009	Aftertreatment SCR Maintenance
SP0010	Aftertreatment SCR Regeneration History
SP0011	Aftertreatment SCR System Health Monitor
SP0012	Diesel Exhaust Fluid Doser Purge Counter
SP0013	Engine Torque History
SP0014	Fuel Injector Reset
SP0015	Fuel or Timing System Table Reset
SP0016	High Pressure Common Rail Injector Setup
SP0017	Maintenance Monitor
SP0018	SAE J1939 Multiplexed Fault Data
SP0019	Vehicle Range