

## Diagnostic List Mack\_v8.23

Remark:

1. ✓ : means that the system has this function

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3. compared with the last version, the new added function is marked in red color.

Model	System Types	Function					Remarks(Other Functions)
		Version info.	Read DTC	Clear DTC	Read data stream		
Mack(J1708)	Mack Trucks					Some models support the injectors shut off functions	
						Some models support the Learned Data Reset	
						Some models support the Cylinder Compression,Test	
						Some models support the Oil Pressure Test(During Cranking)	
						Some models support the Cylinder Balancing,Test	
						Some models support the Actuation Test	
						Some models support the Parameter.Programming	
						Some models support the Actuation Test of TECU and Brake ECU	
						Some models support the VGT calibration function	
						Some models support the Instrument calibration function	
Volvo(500K)	Engine Management System	✓	✓	✓	✓	Some models support the Actuation Test and special feature, Parameter.Programming	
	Aftertreatment Control Module	✓	✓	✓	✓	Some models support the Actuation Test and special feature	
	Transmission ECU	✓	✓	✓	✓	Some models support the Actuation Test/Gearbox, clutch, engagement point calibration, Parameter.Programming	
	Rear Chassis I/O Module	✓	✓	✓	✓	Level sensor calibration,Parameter.Programming	
	Center Chassis I/O Module	✓	✓	✓	✓	Parameter.Programming	
	Front Chassis I/O Module	✓	✓	✓	✓	Parameter.Programming	
	Body Builder Input Output Module	✓	✓	✓	✓		
	Air Pressure Management	✓	✓	✓	✓	Some action testing and advanced features,Parameter.Programming	
	Vehicle Master Control Unit	✓	✓	✓	✓	Service Alert System,Configuration and Reports,Parameter.Programming	
	Integrated Electronic Control Unit	✓	✓	✓	✓	Parameter.Programming	
	Tire Pressure Management	✓	✓	✓	✓		
	Antilock Brake System	✓	✓	✓	✓		
	Electronic Brake System	✓	✓	✓	✓	Some action testing and advanced features, Parameter.Programming	
	Front Axle Steering	✓	✓	✓	✓	Active steering calibration	
	Front Active Steering Gateway	✓	✓	✓	✓		
	Cab I/O Module	✓	✓	✓	✓	Parameter.Programming	
	LIN Interface Module	✓	✓	✓	✓		
	Security Cab Interface Module	✓	✓	✓	✓		
	Telematics GateWay	✓	✓	✓	✓		
	Telematics ECU	✓	✓	✓	✓		
	Driver Assistance Control Unit	✓	✓	✓	✓	Parameter.Programming	
	Lane Position and Object Sensor	✓	✓	✓	✓		
	Forward Looking Sensor	✓	✓	✓	✓		
	Safety Restraint System	✓	✓	✓	✓		
	Human-Machine Interface I/O Module	✓	✓	✓	✓	Parameter.Programming	
	Instrument Cluster	✓	✓	✓	✓	Parameter.Programming	
	Instrument Cluster Graphics	✓	✓	✓	✓		

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Volvo(500K)	Secondary Information Display	✓	✓	✓	✓	Parameter Programming
	VideoSwitch	✓	✓	✓	✓	Parameter Programming
	Audio	✓	✓	✓	✓	
	Services and Entertainment Module	✓	✓	✓	✓	
	Radio Entertainment Module	✓	✓	✓	✓	
	Climate Control Module	✓	✓	✓	✓	Parameter Programming
	Passenger Door Module	✓	✓	✓	✓	Parameter Programming
	Driver Door Module	✓	✓	✓	✓	Parameter Programming
	Living Environment Control Module	✓	✓	✓	✓	Parameter Programming
	Alarm ECU	✓	✓	✓	✓	
	Body Builder Module	✓	✓	✓	✓	
	Generic Gateway ECU	✓	✓	✓	✓	
	Digital Tacho DTCO	✓	✓	✓	✓	
	Analog Tacho MTCO	✓	✓	✓	✓	
	Node name for TSU - Tacho Simulator Unit - 27	✓	✓	✓	✓	
	MTC01390 - Analog Tachograph for Brazil to di	✓	✓	✓	✓	
	Wireless Remote Gateway	✓	✓	✓	✓	
	Bending Light ECU	✓	✓	✓	✓	
	Hybrid Powertrain Control Unit	✓	✓	✓	✓	
	Power Generator Control Module	✓	✓	✓	✓	
	Power Resistor Control Module	✓	✓	✓	✓	
	Extra Axle Steering	✓	✓	✓	✓	
	Clear Air Power ECU	✓	✓	✓	✓	
	Battery Control Module	✓	✓	✓	✓	
	Human Machine Interface Control Unit	✓	✓	✓	✓	
	Human Machine Interface Control Unit 2	✓	✓	✓	✓	
	General Purpose Machine Electronic Control Un	✓	✓	✓	✓	
	General Purpose Machine Electronic Control Un	✓	✓	✓	✓	
	General Purpose Machine Electronic Control Un	✓	✓	✓	✓	
	General Purpose Machine Electronic Control Un	✓	✓	✓	✓	
	Interceptor Control Module	✓	✓	✓	✓	
	Traction Battery Control Module	✓	✓	✓	✓	
Traction Battery Control Module #2	✓	✓	✓	✓		
Traction Battery Control Module #3	✓	✓	✓	✓		
Traction Battery Control Module #4	✓	✓	✓	✓		
Charging Interface Control Unit	✓	✓	✓	✓		
On-board Charger Control Unit	✓	✓	✓	✓		
Combined Charging system Control Module	✓	✓	✓	✓		

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Volvo(500K)	OCCU2 - On-board Charger Control Unit 2	✓	✓	✓	✓	
	OCCU3 - On-board Charger Control Unit 3	✓	✓	✓	✓	
	OCCU4 - On-board Charger Control Unit 4	✓	✓	✓	✓	
	Powertrain Control Module #1	✓	✓	✓	✓	
	Powertrain Control Module #2	✓	✓	✓	✓	
	Powertrain Control Module #3	✓	✓	✓	✓	
	Powertrain Control Unit	✓	✓	✓	✓	
	Motor Control Unit #1	✓	✓	✓	✓	
	Motor Control Unit #2	✓	✓	✓	✓	
	Motor Control Unit #3	✓	✓	✓	✓	
	Motor Control Unit #4	✓	✓	✓	✓	
	Front Left Motor Control Module	✓	✓	✓	✓	
	Front Right Motor Control Module	✓	✓	✓	✓	
	Rear Left Motor Control Module	✓	✓	✓	✓	
	Rear Right Motor Control Module	✓	✓	✓	✓	
	Shut Down Module	✓	✓	✓	✓	
	Glare Free Headlamp Control Module 1 (Right)	✓	✓	✓	✓	
	Glare Free Headlamp Control Module 2 (Left)	✓	✓	✓	✓	
	Battery Power Management Unit	✓	✓	✓	✓	
	Engine Control Module	✓	✓	✓	✓	
	Aftertreatment Control Module	✓	✓	✓	✓	
	Turntable Module	✓	✓	✓	✓	
	Transcoder	✓	✓	✓	✓	
	Technology Development ECU	✓	✓	✓	✓	
	Image Processing Module	✓	✓	✓	✓	
	Helm Control Unit	✓	✓	✓	✓	
	Steering Unit for IPS10	✓	✓	✓	✓	
	Steering Control Module	✓	✓	✓	✓	
	Thruster Control Module	✓	✓	✓	✓	
	CAN Controlled Joystick 1	✓	✓	✓	✓	
	CAN Controlled Joystick 2	✓	✓	✓	✓	
	Energy Storage Control Module	✓	✓	✓	✓	
Traction Voltage Monitoring Unit	✓	✓	✓	✓		
Small General Purpose Machine Electronic Cont	✓	✓	✓	✓		
Small General Purpose Machine Electronic Cont	✓	✓	✓	✓		
Small General Purpose Machine Electronic Cont	✓	✓	✓	✓		
Small General Purpose Machine Electronic Cont	✓	✓	✓	✓		
Small General Purpose Machine Electronic Cont	✓	✓	✓	✓		