

YUNNEIPOWER V13.54 Function List

Note:

✓ Functions marked with ✓ is fully supported.

System	ECU Info	Read Fault Code	Clear Fault Code	Live Data	Active Test	Special Func
Diesel Engine\DEV Series\D19/D20/D25/D30TCID, E (12V_Bosch EDC17C53)\Bosch EDC17C53_K line	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\DEV Series\D19/D20/D25/D30TCID, E (12V_Bosch EDC17C53)\Bosch EDC17CV54 with EGR (K)	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\DEV Series\D20/D25/D30TCID, E (24V_Bosch EDC17CV54)\Yunnei Power P1187 EDC17CV54 with EGR (K)	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\DEV Series\D20/D25/D30TCID, E (24V_Bosch EDC17CV54)\Yunnei Power P1187 EDC17CV54 with EGR (CAN)	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\DEV Series\D16TCI/D19TCI/D20TCID (12V_Bosch EDC16)	✓	✓	✓	✓	A0001, A0005, A0006, A0025	S0002, S0003, S0004, S0005, S0006
Diesel Engine\DEV Series\D19TCIE/D20TCIE (12V_Bosch EDC17C81 DPf)	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\DEV Series\Bosch EDC16C39	✓	✓	✓	✓	A0001, A0005, A0006, A0025	S0003, S0005, S0006
Diesel Engine\DEV Series\D65TCIE CV44	✓	✓	✓	✓		S0028, S0009
Diesel Engine\DEV Series\D19 (China V)	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\Delphi\Delphi Common Rail System DCM6.24 (Yunnei Power YNF40 China V)	✓	✓	✓	✓	A0026, A0027, A0028, A0029, A0030, A0031, A0032, A0033, A0034, A0035, A0036, A0037, A0038, A0039, A0040, A0041, A0042, A0043, A0044, A0045, A0046,	S0007, S0008, S0009, S0010, S0011, S0012, S0013, S0014, S0015, S0016, S0017, S0018, S0019, S0020, S0021
Diesel Engine\Delphi\Delphi Common Rail System DCM7.24 (Yunnei Power China VI) (24V)	✓	✓	✓	✓	A0135, A0136, A0137, A0138	S0008, S0061, S0062, S0063
Diesel Engine\YN series\YN30 /YN33CR (Bosch EDC16UC40)	✓	✓	✓	✓	A0002, A0003, A0004, A0005, A0006	S0002, S0004, S0022, S0003, S0005, S0006
Diesel Engine\YN series\YN27/YN33/YN38CRD (Bosch EDC17CV54)\Yunnei Power P1187 EDC17CV54 with EGR (K)	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\YN series\YN27/YN33/YN38CRD (Bosch EDC17CV54)\Yunnei Power P1187 EDC17CV54 with EGR (CAN)	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\YN series\YN27/YN30/YN33VE (Yunnei Power Weifu Jinning VE Pump)		✓	✓			
Diesel Engine\YN series\YN38CRE	✓	✓	✓	✓	A0007, A0008, A0009, A0010, A0011, A0012, A0013, A0014, A0015, A0016, A0017	S0006
Diesel Engine\YN series\YNF40 (ECTEK)	✓	✓	✓	✓	A0080, A0081, A0082, A0001, A0083	
Diesel Engine\YN series\YNF40 (ECTEK 500k)	✓	✓	✓	✓		S0023, S0024, S0025, S0026
Diesel Engine\non-road YN series Diesel Engine\Engine System (Yunnei) YN38CR	✓	✓	✓	✓		
Diesel Engine\non-road YN series Diesel Engine\Engine System (Yunnei) YN31CR	✓	✓	✓	✓	A0001, A0083, A0132, A0133, A0134	S0058, S0059, S0060
Diesel Engine\Non-road Xinfeng	✓	✓	✓	✓	A0111, A0112, A0113, A0114, A0115, A0116, A0117	S0027, S0008, S0044, S0022, S0045
Diesel Engine\Non-road ECTEK\Chongyou F02 (V178 and before)	✓	✓	✓	✓		S0028
Diesel Engine\Non-road ECTEK\Chongyou F02 (V179 and before)	✓	✓	✓	✓		S0028
Diesel Engine\Non-road ECTEK\Chongyou F17 (250K)	✓	✓	✓	✓		S0028, S0043
Diesel Engine\Non-road - EDC17C63	✓	✓	✓	✓		
Diesel Engine\Bosch Common Rail China V	✓	✓	✓	✓		
Diesel Engine\Yunnei Power China VI Engine\Bosch China VI MD1CE108-D20/D25/D30-250K	✓	✓	✓	✓	A0084, A0085, A0086, A0087, A0088, A0089, A0090, A0091, A0092, A0093, A0094, A0095, A0096, A0097, A0098, A0099, A0100, A0101, A0102, A0103, A0104,	S0029, S0030, S0031, S0032, S0033, S0034, S0035, S0036, S0037, S0038, S0022, S0004, S0003, S0039, S0002, S0040, S0041, S0042
Diesel Engine\Yunnei Power China VI Engine\Bosch China VI MD1CE108-D20D30(3320)-1M	✓	✓	✓	✓	A0084, A0085, A0086, A0087, A0088, A0089, A0090, A0091, A0092, A0093, A0094, A0095, A0096, A0097, A0098, A0099, A0100, A0101, A0102, A0103, A0104,	S0029, S0030, S0031, S0032, S0033, S0034, S0035, S0036, S0037, S0038, S0022, S0004, S0003, S0039, S0002, S0040, S0041, S0042
Diesel Engine\Yunnei Power China VI Engine\Bosch National VI MD1CE108-D20D47	✓	✓	✓	✓	A0084, A0085, A0118, A0087, A0119, A0089, A0120, A0091, A0121, A0108, A0093, A0094, A0095, A0096, A0097, A0109, A0122, A0123, A0100, A0101, A0102,	S0030, S0031, S0048, S0054, S0066, S0067, S0068, S0069, S0055, S0056, S0057, S0033, S0034, S0035, S0022
Diesel Engine\Yunnei Power China VI Engine\Yunnei Power China VI DELPHIDCM7.24(24V)	✓	✓	✓	✓	A0135, A0136, A0137, A0138	S0008, S0061, S0062, S0063
Diesel Engine\Yunnei Power China VI Engine\ (China VI) Bosch Diagnostics (Straight Plug) (2-Hole ECU)	✓	✓	✓	✓		
Diesel Engine\Yunnei Power China VI Engine\Non-road NSE Automotive Electronics MDD_01C	✓	✓	✓	✓		S0009, S0046, S0047
Diesel Engine\Yunnei Power China VI Engine\Non-road MDD02	✓	✓	✓	✓		S0048, S0030, S0049

Diesel Engine\Yunnei Power China VI Engine\ (China Six) MDD04/MDD03 Diagnosis (Straight Plug)	✓	✓	✓	✓		S0030, S0031
Diesel Engine\Yunnei Power China VI Engine\MDD03 (Delphi)	✓	✓	✓	✓	A0135, A0136, A0137, A0138	S0008, S0061, S0062, S0063
Diesel Engine\Yunnei Power China VI Engine\ (China VI) MDD06 diagnosis (Straight Plug)	✓	✓	✓	✓	A0084, A0085, A0118, A0087, A0119, A0089, A0120, A0091, A0121, A0108, A0093, A0094, A0095, A0096, A0097, A0109, A0122, A0123, A0100, A0101, A0102,	S0022, S0030, S0049, S0048, S0050, S0051, S0052, S0053, S0054, S0055, S0056, S0057
Diesel Engine\Yunnei Power China VI Engine\ (China VI) MDD07	✓	✓	✓	✓		S0048, S0030, S0049
Diesel Engine\Yunnei Power China VI Engine\ (National VI) MDD08	✓	✓	✓	✓		
Diesel Engine\Yunnei Power China VI Engine\Non-road BOSCH-878 Diagnostics (Straight Plug)	✓	✓	✓	✓	A0084, A0085, A0118, A0087, A0119, A0089, A0120, A0091, A0121, A0108, A0093, A0094, A0095, A0096, A0097, A0109, A0122, A0123, A0100, A0101, A0102,	S0022, S0030, S0031, S0048, S0050, S0035, S0051, S0052, S0053
Diesel Engine\Yunnei Power China VI Engine\Kaishi Faurecia SCR	✓	✓	✓	✓		
Diesel Engine\Hybrid\Hybrid PEU-EM1	✓	✓	✓	✓		
Diesel Engine\Hybrid\Hybrid PEU-EM2	✓	✓	✓	✓		
Diesel Engine\Hybrid\Hybrid HBU	✓	✓	✓	✓		
Diesel Engine\Hybrid\Hybrid PEU EM1 (Foton)	✓	✓	✓	✓		S0064, S0030
Diesel Engine\Hybrid\Hybrid PEU EM2 (Foton)	✓	✓	✓	✓		S0064, S0030, S0065
Diesel Engine\Hybrid\Hybrid HBU (Foton)	✓	✓	✓	✓		
Diesel Engine\Hybrid\BMS	✓	✓	✓	✓		
Diesel Engine\Bosch Automatic Identification\Bosch China III System Automatic Identification	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\Bosch Automatic Identification\Bosch China IV/V System Automatic Identification	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\Bosch Automatic Identification\Bosch China V/VI system Automatic Identification	✓	✓	✓	✓	Please refer to BOSCH Function List	
Natural Gas Engine\Natural gas CNG18	✓	✓	✓	✓		
Natural Gas Engine\YNQ natural gas (UMC ME788)	✓	✓	✓	✓	A0018, A0019, A0020, A0021, A0022, A0023, A0024	S0001
Natural Gas Engine\Chongqing Kairui (ZhongQi Yuan)	✓	✓	✓	✓		
Natural Gas Engine\Chongke natural gas engine		✓	✓	✓		
Natural Gas Engine\Chongqing natural gas system (J1939)		✓	✓	✓		
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (CAN line)\Air-assisted Metering Pump-15765	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (CAN line)\Universal Independent DCU-15765	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (CAN line)\Universal Independent Air-assisted Metering Pump-15765	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (CAN line)\No Air-assisted Metering Pump-15765	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (CAN line)\Kailong aExhaust Aftertreatment System (applicable to Hongyan China IV, Sinotruk Howo, etc.)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (CAN line)\Kailong Exhaust Aftertreatment (CAN line)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (CAN line)\Kailong Exhaust Aftertreatment (CAN line, test version)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (CAN line)\Kailong Exhaust Aftertreatment (CAN line, 1,9 pins)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (CAN line)\Kailong AdBlue Pump Test\Kailong Pump (round mouth)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (CAN line)\Kailong AdBlue Pump Test\Kailong Pump (square mouth, China IV)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (CAN line)\Kailong AdBlue Pump Test\Kailong Pump (square mouth, China V)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (CAN line)\Kailong AdBlue Pump Test\Kailong Pump (5P, 5-pin connector)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (CAN line)\Kailong AdBlue Pump Test\Kailong Hydraulic (12V)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (CAN line)\Kailong AdBlue Pump Test\Kailong Hydrodynamic (24V)	✓	✓	✓	✓	Please refer to SCR Function List	

Exhaust Aftertreatment\Kailong SCR\Kailong after-treatment (J1939)\Universal Independent DCU-J1939	✓	✓	✓	✓	Please refer to SCR Function List
Exhaust Aftertreatment\Kailong SCR\Kailong after-treatment (J1939)\Air-assisted Metering Pump-J1939	✓	✓	✓	✓	Please refer to SCR Function List
Exhaust Aftertreatment\Kailong SCR\Kailong after-treatment (J1939)\Air-assisted Metering Pump-J1939	✓	✓	✓	✓	Please refer to SCR Function List
Exhaust Aftertreatment\Kailong SCR\Kailong after-treatment (J1939)\Universal Independent Air-assisted Metering Pump-J1939	✓	✓	✓	✓	Please refer to SCR Function List
Exhaust Aftertreatment\Kailong SCR\Kailong after-treatment (J1939)\Kailong AdBlue Pump Test\Kailong Pump (round mouth)	✓	✓	✓	✓	Please refer to SCR Function List
Exhaust Aftertreatment\Kailong SCR\Kailong after-treatment (J1939)\Kailong AdBlue Pump Test\Kailong Pump (square mouth, China IV)	✓	✓	✓	✓	Please refer to SCR Function List
Exhaust Aftertreatment\Kailong SCR\Kailong after-treatment (J1939)\Kailong AdBlue Pump Test\Kailong Pump (square mouth, China V)	✓	✓	✓	✓	Please refer to SCR Function List
Exhaust Aftertreatment\Kailong SCR\Kailong after-treatment (J1939)\Kailong AdBlue Pump Test\Kailong Pump (5P, 5-pin connector)	✓	✓	✓	✓	Please refer to SCR Function List
Exhaust Aftertreatment\Kailong SCR\Kailong after-treatment (J1939)\Kailong AdBlue Pump Test\Kailong Hydraulic (12V)	✓	✓	✓	✓	Please refer to SCR Function List
Exhaust Aftertreatment\Kailong SCR\Kailong after-treatment (J1939)\Kailong AdBlue Pump Test\Kailong Hydrodynamic (24V)	✓	✓	✓	✓	Please refer to SCR Function List
Exhaust Aftertreatment\Weifu Lida SCR\Weifu Lida NOX2.0 Exhaust Aftertreatment (non-gas-assisted)	✓	✓	✓	✓	Please refer to SCR Function List
Exhaust Aftertreatment\Weifu Lida SCR\Weifu Lida NOX2.0 Exhaust Aftertreatment (gas assist)	✓	✓	✓	✓	Please refer to SCR Function List
Exhaust Aftertreatment\ActBlue SCR\ActBlue Exhaust Aftertreatment System	✓	✓	✓	✓	Please refer to SCR Function List
Exhaust Aftertreatment\ActBlue SCR\ActBlue Exhaust Aftertreatment System (OBD)	✓	✓	✓	✓	Please refer to SCR Function List
Exhaust Aftertreatment\KDS Exhaust Aftertreatment KDS3.1 (Yunnei Engine)	✓	✓	✓	✓	Please refer to SCR Function List
Exhaust Aftertreatment\Wuxi Henghe EP Exhaust Aftertreatment System	✓	✓	✓	✓	Please refer to SCR Function List

Special Function Table	
S0001	ECU power off reset
S0002	High-pressure Test
S0003	Accelerated Testing
S0004	Compression Test
S0005	Startup fault information
S0006	Read and write injector
S0007	Clear all trouble code including NOx fault
S0008	Read and write VIN
S0009	Reading and writing injector code
S0010	Injector value reset
S0011	Fuel metering threshold reset
S0012	HP pump value reset
S0013	AMF value reset
S0014	APS Value Reset
S0015	Tyre Wear value reset
S0016	Service Monitor reset
S0017	ATC value reset
S0018	DPF value reset
S0019	DP sensor value reset
S0020	DPF frequent regeneration value reset
S0021	AMF Revised Learning
S0022	Cylinder cut off Test
S0023	Vehicle running distance test
S0024	ECU power-on time test
S0025	Engine uptime test
S0026	UMC M7971
S0027	injector IQA Code Correction
S0028	Vehicle calibration
S0029	Read and write injector data
S0030	Read/Write VIN
S0031	Read and write CID code
S0032	DPF regeneration function
S0033	EGR valve Learning
S0034	TVA valve self-learning
S0035	PFM correction value
S0036	Differential pressure sensor
S0037	Urea consumption
S0038	total fuel consumption
S0039	Engine speed comparison
S0040	Start fault information test
S0041	Aftertreatment AdBlue system test
S0042	DPF function test
S0043	IQA code
S0044	Low idle fuel injection correction
S0045	Comparison of idle oil compensation for each cylinder
S0046	VIN code writing

S0047	CID code write
S0048	Read and write IQA code
S0049	Read and write EID/CID code
S0050	DPF regeneration module
S0051	Differential pressure sensor correction value
S0052	Correction value for urea consumption
S0053	Total Fuel Consumption Correction Value
S0054	DPF value reduction
S0055	Reset DPF regeneration lock
S0056	Activate DPF regeneration function
S0057	Terminate DPF regeneration function
S0058	Write vehicle running distance
S0059	Write ECU power-on time
S0060	Write engine normal running time
S0061	Read and write CID
S0062	Clear NVV
S0063	clear flash memory
S0064	Read and write motor codes
S0065	Read and write PEU encoding
S0066	Set DPF regeneration request
S0067	Reset DPF regeneration request
S0068	Read and write DPF value
S0069	Cancel DPF regeneration lock

Active Test Table

A0001	Cylinder cut off Test
A0002	System lights
A0003	Air conditioning relay
A0004	Exhaust brake relay
A0005	Preheat lamp
A0006	Preheating relay
A0007	Air conditioning compressor test
A0008	Booster actuator test
A0009	EGR test
A0010	Preheating indicator signal test
A0011	Cylinder shut-down signal test
A0012	Malfunction Indicator Lamp (MIL) Lamp test
A0013	Metering unit signal test
A0014	variable eddy current execution test
A0015	System light signal test
A0016	Throttle valve actuator test
A0017	Auxiliary fuel pressure setting value Diagnosis
A0018	Engine fault indicator lamp
A0019	Fuel pump relay
A0020	COOLING FAN RELAY 1
A0021	COOLING FAN RELAY 2
A0022	Air Conditioning Clutch
A0023	Vehicle immediately maintenance indicator
A0024	Turbocharger Valve
A0025	Fault lamp
A0026	DPF Regeneration at Idle
A0027	DPF Regeneration Vehicle Running
A0028	Rail Pressure Test - HPV
A0029	Rail Voltage Test-IMV
A0030	IMV Test
A0031	Injector 1 Shutdown Test
A0032	Injector 2 Shutdown Test
A0033	Injector 3 Shutdown Test
A0034	Injector 4 Shutdown Test
A0035	Power Balance Test
A0036	RPC Priming by RVD
A0037	Injector Drift Test
A0038	Injector Stuck Test During Startup
A0039	Driving Failure Test
A0040	Driving Failure 1 Injection Test
A0041	Alternator Control Test
A0042	Injector 1 Buzzing Test
A0043	Injector 2 Buzzing Test
A0044	Injector 3 Buzzing test
A0045	Injector 4 Buzzing test
A0046	Hydraulic Test
A0047	Compression Test
A0048	mdp update cycle adjustment test
A0049	APC start test
A0050	Injector metering valve overload test
A0051	Fan 1 test
A0052	Fan 2 test
A0053	Start Relay Test
A0054	IMV Buzzer Test
A0055	Turbocharger Valve Test
A0056	Glow Plug Test
A0057	High Pressure Valve Test
A0058	Power Supply Relay Test
A0059	Fuel filter heating test
A0060	Engine Speed Signal Test
A0061	Engine Speed Dependent Relay Test
A0062	Exhaust Brake Test
A0063	Fuel pump test

A0064	Glow Plug Lamp Test
A0065	Immobiliser Lamp Test
A0066	ISG Lamp Test
A0067	DPF lamp test
A0068	Battery lamp test
A0069	Check Engine (CE) Lamp Test
A0070	Water in Fuel Lamp Test
A0071	Regeneration Inhibit Lamp Test
A0072	Regenerative Warning Lamp Test
A0073	Regeneration Activated Lamp Test
A0074	Low Oil Pressure Light Test
A0075	Emergency Brake Lamp Test
A0076	Fuel Heating Lamp Test
A0077	Cruise Control Lamp Test
A0078	ESC Lamp Test
A0079	Low Oil Pressure Warning Lamp Test
A0080	EGR target position test
A0081	Start relay test
A0082	Preheating relay test
A0083	Knock the cylinder test
A0084	Turbocharger testing
A0085	EGR valve test
A0086	Engine brake switch
A0087	Preheat indicator light test
A0088	Low idle brake switch
A0089	OBD lamp test
A0090	Oil metering unit
A0091	System light test
A0092	Throttle test
A0093	Throttle position self-learning test
A0094	AdBlue pressure pipe heating test
A0095	AdBlue suction pipe heating test
A0096	AdBlue supply pipe heating test
A0097	AdBlue box heating test
A0098	Exhaust temperature sensor test
A0099	Particle filter upstream sensor temperature test
A0100	SCR system upstream sensor temperature test
A0101	SCR system injection valve test
A0102	Engine oil cut off test
A0103	EGR self-learning test
A0104	AdBlue Metering valve actuator test
A0105	AdBlue return pipe heating test
A0106	Intake heating control valve test
A0107	Starter test
A0108	Rail pressure target test
A0109	AdBlue pump test
A0110	Fuel filter heater test
A0111	High pressure fuel pump solenoid valve
A0112	Air conditioner actuator
A0113	EGR executor
A0114	Preheating actuator
A0115	Preheat indicator
A0116	OBD fault lamp
A0117	System fault light
A0118	Engine Brake switch test
A0119	Low Idle Engine Brake Switch Test
A0120	Oil metering unit test
A0121	Throttle Test
A0122	Exhaust temperature sensor test
A0123	Particulate filter upstream temperature test
A0124	EGR valve self-learning test
A0125	Pump Evacuation Test
A0126	Leak test
A0127	Pressure build test
A0128	Atomization test
A0129	Spray Test - Big Spray
A0130	Spray Test - Medium Spray
A0131	Spray Test - Small Spray
A0132	EGR target position control
A0133	Start relay control
A0134	Preheating relay control
A0135	Component IO test
A0136	Function Test
A0137	Vehicle light test
A0138	Reset