

QUANCHAI V13.87 Function List							
Note:							
✓	Functions marked with ✓ is fully supported.						
System		ECU Info	Read Fault Code	Clear Fault Code	Live Data	Active Test	Special Func
Engine System\Bosch System\Bosch Automatic Identification		✓	✓	✓	✓	Please refer to BOSCH Function List	
Engine System\Bosch System\Bosch MD1CC878 P1966 (China VI)		✓	✓	✓	✓	Please refer to BOSCH Function List	
Engine System\Bosch System\Bosch MD1CC878 (Non-road T4)		✓	✓	✓	✓		S0014, S0015
Engine System\Bosch System\Bosch EDC17 series (China III/IV/V/VI)\Bosch EDC17C81 P2290 (Quanchai Q23) (China VI)		✓	✓	✓	✓	A0016, A0017, A0018, A0019, A0052, A0008, A0021, A0060, A0061, A0062, A0023, A0054, A0024, A0025, A0026, A0027, A0063, A0064, A0057, A0035, A0058,	S0033, S0016, S0017, S0018, S0004, S0002, S0001, S0034, S0035, S0036, S0037, S0038, S0039, S0040, S0041, S0042, S0012, S0043, S0044
Engine System\Bosch System\Bosch EDC17 series (China III/IV/V/VI)\Bosch EDC17C81_P1765+DPF (China V)		✓	✓	✓	✓	Please refer to BOSCH Function List	
Engine System\Bosch System\Bosch EDC17 series (China III/IV/V/VI)\Bosch EDC17C81_P1687+SCR (China V)		✓	✓	✓	✓	Please refer to BOSCH Function List	
Engine System\Bosch System\Bosch EDC17 series (China III/IV/V/VI)\Bosch EDC17CV54_P1418+EGR (China IV/V)\Bosch EDC17CV54_P1418+EGR(K)		✓	✓	✓	✓	Please refer to BOSCH Function List	
Engine System\Bosch System\Bosch EDC17 series (China III/IV/V/VI)\Bosch EDC17CV54_P1418+EGR (China IV/V)\Bosch EDC17CV54_P1418+EGR(CAN)		✓	✓	✓	✓	Please refer to BOSCH Function List	
Engine System\Bosch System\Bosch EDC17 series (China III/IV/V/VI)\Bosch EDC17CV44_P1724+SCR (China V)\Bosch EDC17CV44_P1724+SCR(K)		✓	✓	✓	✓	Please refer to BOSCH Function List	
Engine System\Bosch System\Bosch EDC17 series (China III/IV/V/VI)\Bosch EDC17CV44_P1724+SCR (China V)\Bosch EDC17CV44_P1724 SCR(CAN)		✓	✓	✓	✓	Please refer to BOSCH Function List	
Engine System\Bosch System\Bosch EDC17 series (China III/IV/V/VI)\Bosch EDC17C63\Bosch EDC17C63FF (Non-road T4)		✓	✓	✓	✓		S0013
Engine System\Bosch System\Bosch EDC17 series (China III/IV/V/VI)\Bosch EDC17C63\Bosch EDC17C63_P1257 (China IV)		✓	✓	✓	✓	Please refer to BOSCH Function List	
Engine System\Bosch System\Bosch EDC17 series (China III/IV/V/VI)\Bosch EDC17C63\Bosch EDC17C63_P1765+DPF (China V)		✓	✓	✓	✓	A0016, A0017, A0018, A0019, A0052, A0053, A0008, A0021, A0022, A0023, A0054, A0024, A0055, A0056, A0026, A0057, A0035, A0058, A0059, A0028, A0031,	S0016, S0017, S0018, S0019, S0020, S0021, S0022, S0023, S0024, S0025, S0026, S0027, S0028, S0029, S0030, S0031, S0032
Engine System\Bosch System\Bosch EDC17 series (China III/IV/V/VI)\Bosch EDC17C62\Bosch EDC17C62 P1905		✓	✓	✓	✓	Please refer to BOSCH Function List	
Engine System\Bosch System\Bosch EDC17 series (China III/IV/V/VI)\Bosch EDC17C62\Bosch EDC17C62(S1)		✓	✓	✓	✓		S0012
Engine System\Bosch System\Bosch EDC17 series (China III/IV/V/VI)\Bosch EDC17C62\Bosch EDC17C62(S2) (Construction/Agricultural Engine)		✓	✓	✓	✓	A0016, A0017, A0018, A0019, A0008, A0020, A0021, A0022, A0023, A0024, A0025, A0026, A0027, A0028, A0029, A0030, A0031, A0032, A0033, A0034, A0035	S0012
Engine System\Bosch System\Bosch EDC17 series (China III/IV/V/VI)\Bosch EDC17C55_P978 (China IV)		✓	✓	✓	✓	Please refer to BOSCH Function List	
Engine System\Bosch System\Bosch EDC16C39 (China III)		✓	✓	✓	✓	A0001, A0002, A0003	S0001, S0002, S0003, S0004, S0005, S0006
Engine System\Bosch System\Bosch EDC16C39 (4D22E China III)		✓	✓	✓	✓	A0004, A0005, A0006, A0007, A0008, A0009, A0010	S0001, S0002, S0004, S0006
Engine System\Junfeng Electronic Control\Junfeng Electronic Control 18E (China VI)		✓	✓	✓	✓		
Engine System\Junfeng Electronic Control\Junfeng Electronic Control (Non-road T4)		✓	✓	✓	✓		
Engine System\Liaoning Xinfeng		✓	✓	✓	✓	Please refer to XINFENG Function List	
Engine System\Nanyue Unit Pump\Nanyue Unit Pump R01 Four Cylinder		✓	✓	✓	✓	Please refer to YUCHAI Function List	
Engine System\Nanyue Unit Pump\Nanyue Unit Pump R01 Six Cylinder		✓	✓	✓	✓	Please refer to YUCHAI Function List	
Engine System\Nanyue Unit Pump\Nanyue Unit Pump R02 Four Cylinder Hall		✓	✓	✓	✓	Please refer to YUCHAI Function List	
Engine System\Nanyue Unit Pump\Nanyue Unit Pump R03 (J1939)		✓	✓	✓	✓	Please refer to YUCHAI Function List	
Engine System\Nanyue Unit Pump\Nanyue Unit Pump R04 (J1939)		✓	✓	✓	✓	Please refer to DACHAI Function List	
Engine System\Longkou Longbeng\Quanchai VE Pump System			✓	✓	✓		S0007
Engine System\Longkou Longbeng\Quanchai Longkou VE Pump System		✓	✓	✓	✓		
Engine System\Longkou Longbeng\Longkou Longbeng Common Rail System		✓	✓	✓	✓		S0008, S0009
Engine System\Longkou Longbeng\Quanchai Longbeng Unit Pump			✓	✓	✓		
Engine System\Weifu Jinning\Weifu Jinning VE Pump (Agricultural Machinery, YUTONG)		✓	✓	✓	✓		
Engine System\Weifu Jinning\Weifu Jinning VP Pump (VP14 K)		✓	✓	✓	✓		S0010

Engine System\Weifu Jinning\Weifu Jinning VP Pump (VP14 CAN)	✓	✓	✓	✓	A0036, A0037, A0038, A0039, A0040, A0041, A0042, A0043, A0044, A0045, A0046, A0047, A0048, A0049, A0050, A0051	
Engine System\Weifu Jinning\Weifu Jinning VP Pump (Non-road T4)	✓	✓	✓	✓		
Engine System\EUREKA\EUREKA Unit Pump	✓	✓	✓	✓		
Engine System\EUREKA\EUREKA ECR24H (Non-road T4)	✓	✓	✓	✓		S0011, S0013
Engine System\EUREKA\EUREKA ECRP48	✓	✓	✓	✓		
Engine System\EUREKA\EUREKA ECR54	✓	✓	✓	✓		S0011
Engine System\EUREKA\EUREKA ECR94C62	✓	✓	✓	✓		S0011
Engine System\Tianli ECTEK	✓	✓	✓	✓	A0011, A0012, A0013, A0014, A0015	
Engine System\Wuhan LinControl	✓	✓	✓	✓		
Engine System\Wuhan LinControl LEC4AF Electronic Control (China VI)	✓	✓	✓	✓	A0065, A0066, A0067, A0068, A0069, A0070, A0071, A0072, A0073, A0074, A0075, A0076, A0077, A0078, A0079, A0080, A0081, A0082, A0083, A0084, A0085,	S0042, S0045
Engine System\Nanyue Electronic Control (OBD)	✓	✓	✓	✓		
Exhaust Aftertreatment System\Quanchai Power Bosch Exhaust Aftertreatment\Quanchai Heavy-Duty Trucks/Medium-Duty Trucks Engine (Bosch EDC17CV44 DN0x6.5)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment System\Quanchai Power Bosch Exhaust Aftertreatment\Quanchai Light-Duty Trucks/Passenger Car Engine (Bosch EDC17C81)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment System\ActBlue Exhaust Aftertreatment System\ActBlue Exhaust Aftertreatment (KWP)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment System\ActBlue Exhaust Aftertreatment System\ActBlue Exhaust Aftertreatment (CAN)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment System\ActBlue Exhaust Aftertreatment System\ActBlue Exhaust Aftertreatment (OBD)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment (CAN Line)\Air-assisted Metering Pump-15765	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment (CAN Line)\Universal Independent DCU-15765	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment (CAN Line)\Universal Independent Air-assisted Metering Pump-15765	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment (CAN Line)\No Air-assisted Metering Pump-15765	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment System\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 System\Kailong Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment (CAN Line)\Kailong Exhaust Aftertreatment (CAN Line)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment (CAN Line)\Kailong Exhaust Aftertreatment (CAN line, test version)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment (CAN Line)\Kailong Exhaust Aftertreatment (CAN line, 1,9 pins)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment (CAN Line)\Kailong AdBlue Pump Test\Kailong Pump (Round Plug)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment (CAN Line)\Kailong AdBlue Pump Test\Kailong Pump (Square Plug, China IV)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment (CAN Line)\Kailong AdBlue Pump Test\Kailong Pump (Square Plug, China V)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment (CAN Line)\Kailong AdBlue Pump Test\Kailong Pump (5-pin Plug)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment (CAN Line)\Kailong AdBlue Pump Test\Kailong Hydraulic (12V)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment (CAN Line)\Kailong AdBlue Pump Test\Kailong Hydrodynamic (24V)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment (J1939)\Universal Independent DCU-J1939	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment (J1939)\Air-assisted Metering Pump-J1939	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment (J1939)\Air-assisted Metering Pump-J1939	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment (J1939)\Universal Independent Air-assisted Metering Pump-J1939	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment (J1939)\Kailong AdBlue Pump Test\Kailong Pump (Round Plug)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment (J1939)\Kailong AdBlue Pump Test\Kailong Pump (Square Plug, China IV)	✓	✓	✓	✓	Please refer to SCR Function List	

Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment (J1939)\Kailong AdBlue Pump Test\Kailong Pump (Square Plug, China V)	✓	✓	✓	✓	Please refer to SCR Function List
Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment (J1939)\Kailong AdBlue Pump Test\Kailong Pump (5-pin Plug)	✓	✓	✓	✓	Please refer to SCR Function List
Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment (J1939)\Kailong AdBlue Pump Test\Kailong Hydraulic (12V)	✓	✓	✓	✓	Please refer to SCR Function List
Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment System\Kailong Exhaust Aftertreatment (J1939)\Kailong AdBlue Pump Test\Kailong Hydrodynamic (24V)	✓	✓	✓	✓	Please refer to SCR Function List
Exhaust Aftertreatment System\Shenzhou Exhaust Aftertreatment (SCR)	✓	✓	✓	✓	Please refer to SCR Function List

Special Function Table	
S0001	High-pressure Test
S0002	Accelerated Testing
S0003	Cylinder Cut Off Test
S0004	Compression Test
S0005	Startup fault information
S0006	Nozzle data
S0007	Calibration Function
S0008	Read/Write VIN
S0009	Read and write fuel injector IQA code
S0010	Read and write vehicle identification code (VIN code)
S0011	ECR engine start monitoring
S0012	Read and write injector code (IQA)
S0013	DPF function control
S0014	Read and write injector code (QR)
S0015	SCR system actuator test
S0016	Cylinder cut off (injection off) test
S0017	Engine speed comparison
S0018	Start fault information test
S0019	Flash VIN
S0020	Reading and writing injector code
S0021	EGR valve reset
S0022	Throttle TVA valve reset
S0023	Air flow meter HFM reset
S0024	Oxygen sensor LSU reset
S0025	Oil Observer FMO reset
S0026	Vehicle speed limit information writing
S0027	Vehicle mileage writes
S0028	Particle trap DPF reset
S0029	particle trap DPF manual regeneration
S0030	Particle trap DPF forced regeneration
S0031	Particulate trap DPF forced regeneration II
S0032	Simulated soot writing
S0033	Deep Clear DTCs
S0034	Aftertreatment AdBlue system test
S0035	DPF regeneration
S0036	DPF value reduction
S0037	DPF regeneration lock cancel
S0038	DPF regeneration request set
S0039	DPF regeneration request reset
S0040	DPF regeneration lock reset
S0041	DPF regeneration termination function
S0042	Read and Write Vehicle Identification Number (VIN)
S0043	Read and write calibration identification code (CALID)
S0044	DPF functional test (updated version)
S0045	Read and write vehicle offline date

Active Test Table	
A0001	Preheat lamp
A0002	Preheating relay
A0003	Fault lamp
A0004	Mileage light signal test
A0005	ECU exhaust gas recycle cooler bypass output test
A0006	Air conditioner compressor signal test volume
A0007	Exhaust gas recirculation actuator test
A0008	Preheat indicator light test
A0009	Preheating control test
A0010	System light signal test
A0011	Cylinder Cut Off Test
A0012	EGR target position control
A0013	Start relay control
A0014	Preheating relay control
A0015	Knock cylinder test
A0016	Air conditioning compressor test
A0017	Turbocharger testing
A0018	EGR valve test
A0019	Prohibit power-up time correction
A0020	Glow plug control test
A0021	OBD lamp test
A0022	MeUn test
A0023	System light test
A0024	QWC test
A0025	Rail pressure target test

A0026	Stop engine test
A0027	Starter high-end control test
A0028	Fuel filter heating test
A0029	Low speed fan test
A0030	High speed fan test
A0031	Starter low-end control test
A0032	Close MeUn test
A0033	Low voltage control glow plug test
A0034	Fuel consumption display test
A0035	EGR valve self-learning test
A0036	Actuator output
A0037	Timing valve output
A0038	EGR valve output
A0039	Inlet solenoid valve output
A0040	Actuator enable
A0041	Preheat relay output
A0042	Low speed fan output
A0043	High-speed fan output
A0044	Main relay output
A0045	Alarm indicator output
A0046	Meter preheat lamp output
A0047	Instrument OBD light output
A0048	Instrument instantaneous fuel consumption output
A0049	Water temperature output duty cycle
A0050	Engine speed output
A0051	Water temperature output frequency
A0052	Activate power up time correction
A0053	Water in oil indicator light
A0054	Throttle test
A0055	EGR bypass valve
A0056	Rail pressure override setpoint test
A0057	Cruise Control Lamp Test
A0058	Throttle valve self-learning test
A0059	Engine water temperature display
A0060	Oil metering unit test
A0061	Engine speed test
A0062	Fuel pre-supply pump test
A0063	Exhaust brake valve test
A0064	Exhaust brake lamp test
A0065	Carbon canister solenoid valve
A0066	Pump relay
A0067	Low speed fan relay
A0068	High-speed fan relay
A0069	MIL lights
A0070	SVS lamp
A0071	IDLE CONTROL
A0072	Speed control
A0073	Electronic throttle
A0074	GPF regeneration
A0075	GPF data reset
A0076	Fuel evaporative leak diagnosis
A0077	Air conditioner switch relay
A0078	Vacuum pump relay control
A0079	Carbon Carbon canister shut-off valve control
A0080	Exhaust VVT control
A0081	Intake VVT control
A0082	EGR valve control
A0083	Booster valve control
A0084	Front oxygen heating control
A0085	Rear oxygen heating control
A0086	PDA (air intake) control
A0087	Prohibit fuel injection control
A0088	Oil level meter reading control
A0089	Speed meter reading control
A0090	After-sale total reset (fuel, idle, throttle)
A0091	Reset long-term fuel self-learning adjustment value
A0092	Reset idle speed self-learning value
A0093	Forced throttle self-learning
A0094	Relief valve control (pressurization item)