

BOSCH V16.11 Function List

Note:

✓	Functions marked with ✓ is fully supported.						
System		ECU Info	Read Fault Code	Clear Fault Code	Live Data	Active Test	Special Func
Bosch China III System Automatic Identification		✓	✓	✓	✓	A0047, A0074, A0050, A0186, A0187, A0188, A0104, A0189, A0048, A0049	S0006, S0063, S0064, S0065, S0035, S0005, S0036, S0004, S0037
Bosch China IV/V/VI System Automatic Identification		✓	✓	✓	✓	A0023, A0024, A0025, A0026, A0027, A0028, A0029, A0030, A0213, A0170, A0052, A0053, A0054, A0055, A0005, A0032, A0056, A0159, A0008, A0057, A0058,	S0003, S0004, S0005, S0087, S0002, S0006, S0010, S0027, S0028, S0030, S0090, S0031, S0088, S0075, S0038, S0022, S0039, S0050, S0041, S0042, S0043,

Special Function Table

S0001	Cylinder cut off (injection off) test
S0002	Engine speed comparison
S0003	Start fault information test
S0004	Compression Test
S0005	Accelerated Testing
S0006	High-pressure Test
S0007	Clear PRV valve timeout
S0008	Clear PRV valve timeout
S0009	Read and write CAL ID
S0010	Read/Write VIN
S0011	Reading and writing injector code
S0012	Maintenance Lamp Reset
S0013	Modify engine number
S0014	Modify the vehicle chassis number (the last 8 characters of the VIN code)
S0015	Modify vehicle produce date
S0016	Write VIN
S0017	Write CID number
S0018	Engine number EID
S0019	PRV valve clear function
S0020	Flashing Fuel Injector
S0021	Flash VIN
S0022	Nozzle data
S0023	Maximum Vehicle Speed Limit
S0024	Heat engine idle adjustment
S0025	Idle speed adjustment during driving
S0026	Speed comparison test
S0027	EGR zero trigger learning
S0028	Clear ZFC learning value
S0029	Clear LTE
S0030	Fuel nozzle data flash
S0031	ECU reset
S0032	Clear EGR self-learning value
S0033	Temporary forbidden function / engine factory configuration
S0034	Unclearable fault clearing function / OEM configuration
S0035	Startup fault information
S0036	Cylinder Cut Off Test
S0037	Idle comparison test
S0038	Flash VIN
S0039	EGR valve reset
S0040	TVA valve reset
S0041	Air flow meter HFM reset
S0042	Oxygen sensor LSU reset
S0043	Oil Observer FMO reset
S0044	Vehicle speed limit information writing
S0045	Vehicle mileage writes
S0046	Particle trap DPF reset
S0047	Particle trap DPF forced regeneration
S0048	Simulated soot writing
S0049	Aftertreatment AdBlue system test
S0050	Throttle TVA valve reset
S0051	Starting fault information
S0052	
S0053	Reset pressure accumulator pressure limiting valve
S0054	Speed comparison
S0055	Fuel injector data -- write #1 nozzle data
S0056	Fuel injector data -- write #2 nozzle data
S0057	Fuel injector data -- write #3 nozzle data
S0058	Fuel injector data -- write #4 nozzle data
S0059	Fuel injection data -- read all fuel injector data
S0060	Idle speed comparison
S0061	Fuel injection comparison
S0062	Starting fault
S0063	Accelerated test 2
S0064	Cylinder Cut Off Test 2
S0065	Compression test2
S0066	Injector code - injector code #1
S0067	Injector code - injector code #2
S0068	Injector code - injector code #3
S0069	Injector code - injector code #4
S0070	Injector code - read all injector data
S0071	Fuel injector data-read and write all fuel injector data
S0072	Startup failure
S0073	Idle Speed Comparison

S0074	Injector code-read and write all injector data
S0075	Cylinder cut off (injection off) test
S0076	Write a new EIN
S0077	Write a new VIN
S0078	Read nozzle data -4 cylinder
S0079	Read nozzle data -6 cylinder
S0080	Write engine type
S0081	Write to vehicle type
S0082	Reset PRV valve opening times
S0083	Reset PRV valve opening time
S0084	QR code reading and writing
S0085	VIN code reading and writing
S0086	Temporary forbidden function / engine factory configuration
S0087	Jet off test
S0088	Vin Code Brush Write
S0089	Read and write VDS code
S0090	Clear LTE function
S0091	particle trap DPF manual regeneration
S0092	DPF forced regeneration
S0093	Engine speed test
S0094	Read and write VIN
S0095	Read and write CID
S0096	Particle trap DPF value forced regeneration
S0097	Oil Rail pressure control valve reset
S0098	Oil Rail pressure sensor adjustment
S0099	HFM adaptive reset
S0100	Supercharged pressure sensor adjustment
S0101	Write frame number VIN code
S0102	Particle trap DPF value manual regeneration
S0103	SCR offline detection
S0104	Flashing VDS Code
S0105	DPF function
S0106	EGR valve position correction value self-learning
S0107	TVA valve full-off position correction value self-learning
S0108	HFM drift correction value reset
S0109	LSU correction value reset
S0110	FMO correction value function
S0111	ZFC correction value clear
S0112	Read and write EIN
S0113	PRV valve opening times erase
S0114	DPF value reduction
S0115	Reset DPF
S0116	In situ regeneration DPF
S0117	Dynamic regeneration DPF
S0118	Read IQA code data
S0119	Clear PRV pressure relief valve open times
S0120	Clear PRV pressure relief valve open time
S0121	DPF regeneration function activated
S0122	Vehicle running mileage
S0123	ZFC learning value clear
S0124	TVA self-learning value clear
S0125	DPF reset (don't replace ECU)
S0126	Flash CAL ID
S0127	Start fault test
S0128	Engine code information
S0129	Replacement parts
S0130	HCI system test
S0131	HCI fuel injection test
S0132	DPF function test
S0133	Read and Write Vehicle Identification Number (VIN)
S0134	Read and write calibration ID data
S0135	Service station regeneration function test
S0136	Oil replacement reset
S0137	Engine brake test
S0138	Induced system restart count reset
S0139	Trigger NSC desulfurization
S0140	Replace ECU or NSC
S0141	Write frame number VIN
S0142	DPF regeneration function test
S0143	Read and write injector data
S0144	DPF regeneration function
S0145	DPS replacement
S0146	Urea induced system restart count
S0147	Induce system restart count
S0148	Vehicle speed limit information and vehicle speed signal source
S0149	AdBlue pump test
S0150	Write the QR code of the injector
S0151	LP EGR replacement (LP EGR reset)
S0152	BPS replacement (HFM reset)
S0153	BPS replacement (FMO reset [HFM])
S0154	Differential pressure sensor DPF (DPF reset)
S0155	Exhaust valve (exhaust valve reset)
S0156	LSU replacement (LSU dew detection heater release reset)
S0157	LSU replacement (FMO LSU reset)
S0158	RPS replacement (FMO RPS reset)
S0159	Injector fuel injection quantity 0 fuel quantity calibration modify reset
S0160	FMO injector reset
S0161	Fuel common rail pipe (track-APCV reset)
S0162	After-treatment catalyst aging replacement (SCR catalyst NH3 load reset)
S0163	Clutch pedal self-learning

S0164	Air Flow Meter Replacement
S0165	Rail Pressure Control Valve Replacement
S0166	Rail Pressure Sensor Replacement
S0167	Engine oil change
S0168	Oxygen sensor fault
S0169	Boost pressure sensor replacement
S0170	Differential Pressure Sensor Replacement
S0171	Particulate filter replacement
S0172	Turbocharger replacement
S0173	Catalyst Replacement
S0174	Urea metering valve replacement
S0175	Glow Plug Replacement (gcu)
S0176	Forced regeneration
S0177	AdBlue injection test
S0178	Particulate soot value reset
S0179	SCR system actuator test
S0180	VGT valve reset self-learning
S0181	Replace ECU or replace NSC
S0182	Replace catalyst reset
S0183	Reducer replacement reset
S0184	DPF replacement reset
S0185	oil change reset
S0186	Boost sensor replacement
S0187	turbo replacement
S0188	preheat Glow plug replacement
S0189	Change the VIN
S0190	Throttle position self-learning test
S0191	EGR self-learning test
S0192	(Particle trap) regeneration function
S0193	DPF self-learning
S0194	Read and write CID code
S0195	Read and write urea consumption
S0196	Read and write total fuel consumption
S0197	Common rail pipe (PRV pressure relief valve)
S0198	EGR valve fully closed/fully open position self-learning value
S0199	TVA valve fully closed position self-learning value
S0200	PFM correction value reset
S0201	Differential pressure sensor reset
S0202	VIN
S0203	EIN
S0204	System name or engine type
S0205	Vehicle model
S0206	Engine serial number
S0207	Sales loan flag
S0208	Injector data IQA
S0209	EMS reset
S0210	Replace ECU reset
S0211	Replace NSC catalytic converter reset
S0212	Induced system reset
S0213	EGR valve reset reset
S0214	TVA throttle valve reset
S0215	VGT valve reset reset
S0216	PTO level mode configuration
S0217	required engine speed
S0218	Service station regeneration (if the amount of soot exceeds 30g, execute this function to unlock)
S0219	Particle Trap DPF Sports Car Regeneration
S0220	Serial number of the vehicle-VIN code
S0221	Read and write IQA code of fuel injector nozzle
S0222	DPF regeneration function of particulate filter

Active Test Table

A0001	A/C compressor
A0002	Booster actuator
A0003	Exhaust gas recirculation actuator
A0004	Engine speed test
A0005	Preheat indicator light test
A0006	Fault light test
A0007	Fuel metering actuator test
A0008	System light test
A0009	Throttle actuator test
A0010	Variable Vortex Actuator Test
A0011	Alternative rail voltage seted-point signal testing
A0012	External test value
A0013	Selected cylinder injection status test
A0014	SCR injection valve
A0015	SCR-heating pressure curve
A0016	SCR-AdBlue tank heating
A0017	AdBlue supply pump
A0018	AdBlue 4/2 access valve
A0019	SCR heating reflow curve
A0020	AdBlue heating supply module
A0021	AdBlue heat pumping curve
A0022	External AdBlue heating relay
A0023	Air conditioning compressor test
A0024	Boost pressure actuator
A0025	EGR solenoid valve
A0026	Preheat indicator
A0027	Preheating Time Control

A0028	MIL
A0029	Fuel filter heater
A0030	Fuel consumption test
A0031	Glow plug control test
A0032	OBD lamp test
A0033	Oil metering unit test
A0034	Rail pressure target test
A0035	Exhaust brake valve test
A0036	SCR system injection valve test
A0037	SCR system pressure tube heating test
A0038	SCR system AdBlue box heating test
A0039	SCR system AdBlue pump test
A0040	SCR system inverse pumping test
A0041	SCR system return pipe heating test
A0042	SCR system AdBlue supply pump test
A0043	SCR system suction tube heating test
A0044	SCR system heating relay test
A0045	SCR system AdBlue level lamp test
A0046	SCR system relay test
A0047	Fault lamp
A0048	Cold Startup Lamp
A0049	Intake manifold preheat relay
A0050	Engine exhaust brake valve
A0051	Turbocharger testing
A0052	EGR valve test
A0053	Prohibit power-up time correction
A0054	Activate power up time correction
A0055	Water in oil indicator light
A0056	MeUn test
A0057	Throttle test
A0058	QWC test
A0059	EGR bypass valve
A0060	Rail pressure override setpoint test
A0061	Stop engine test
A0062	Cruise Control Lamp Test
A0063	EGR valve self-learning test
A0064	Throttle valve self-learning test
A0065	Engine water temperature display
A0066	Fuel filter heating test
A0067	Starter low-end control test
A0068	Close MeUn test
A0069	Low voltage control glow plug test
A0070	Fuel consumption display test
A0071	Low speed fan test
A0072	High speed fan test
A0073	SCR system supply pump test
A0074	Cold start light
A0075	Air conditioner compressor
A0076	Exhaust gas recirculation cooler bypass valve
A0077	Exhaust Recycle Solenoid Valve
A0078	Cooler fan stage 1
A0079	Cooler fan stage 2
A0080	Cruise control indicator lamp
A0081	Fuel filter heating device
A0082	Engine oil Pressure Indicator
A0083	Exhaust Warning Lamp
A0084	Metrology unit
A0085	Electric fuel pump relay
A0086	Throttle solenoid valve
A0087	Oxygen sensor heater circuit, column 2
A0088	Booster pressure solenoid valve
A0089	Charge air cooler bypass solenoid valve
A0090	Cruising slow down signal
A0091	Cruise control off signal
A0092	Cruise Control Acceleration Signal Error
A0093	Cruising recovery signal
A0094	Multifunction switch
A0095	Cold start etc.
A0096	Time Calibration Correction Released
A0097	Time calibration correction
A0098	Lights Signal Test
A0099	Lighting control test
A0100	Odometer lamp test
A0101	Front-supply pump test
A0102	Relieve pressure waveform correction
A0103	External detector test
A0104	Common Rail pressure test
A0105	Cylinder close test
A0106	EGR cooler output test
A0107	Exhaust valve light test
A0108	Preheat main relay
A0109	System light signal test
A0110	Oil metering unit
A0111	Zero oil correction off
A0112	Oxygen Sensor heating
A0113	Water tank fan
A0114	Pressure regulator valve
A0115	Fuel rail oil pressure
A0116	Entry channel closed
A0117	IDLE CONTROL

A0118	Pump element closing valve
A0119	Flame preheating start system relay
A0120	Measurement unit
A0121	Preheat lamp
A0122	Preheating relay
A0123	Pressure wave compensation closure
A0124	Oxygen sensor heater circuit, column 2
A0125	AGR - Clutch shift valve
A0126	Ignition indicator
A0127	Alternative rail voltage seted-point signal testing
A0128	Boost pressure actuator test
A0129	EGR actuator test
A0130	Intake preheat actuator
A0131	OBD Lamp test
A0132	Malfunction Indicator Lamp (MIL) Lamp test
A0133	Throttle Actuator Test
A0134	Variable intake valve actuator test
A0135	Rail pressure substitute value test at fault
A0136	Diagnostic instrument test value test
A0137	Air conditioner Compressor signal test
A0138	EGR execution test
A0139	Actuator test of fuel regulator
A0140	Actuator test of throttle valve
A0141	Alternative rail voltage seted-point signal testing
A0142	Selected cylinder injection status test
A0143	Dosing valve
A0144	Heating pressure curve
A0145	Heating tank
A0146	4/2 access valve
A0147	Heating counterflow curve
A0148	Heating supply module
A0149	Heating suction curve
A0150	Booster actuator test
A0151	EGR test
A0152	Preheating indicator signal test
A0153	Cylinder shut-down signal test
A0154	Metering unit signal test
A0155	Variable eddy current actuator test
A0156	Throttle valve actuator test
A0157	Auxiliary fuel pressure setting value Diagnosis
A0158	Exhaust brake lamp test
A0159	PCV test
A0160	Fuel metering unit (MeUn) test
A0161	Pressure control valve (PCV) test
A0162	Oil volume fluctuation (QWC) test
A0163	Air conditioning relay
A0164	Fuel filter heating
A0165	Preheating plug relay 1
A0166	Discharge warning lamp (ODB)
A0167	Electronically controlled fuel pump relay
A0168	Radiator fan relay 1
A0169	Pump Test
A0170	Boost test
A0171	Water in Fuel (WIF) Lamp Test
A0172	Engine speed
A0173	Pressure control valve current
A0174	Engine speed control
A0175	Preheating lamp control
A0176	MIL lamp control
A0177	Duty cycle control of fuel metering unit
A0178	System light control
A0179	Replacement value test of rail pressure setting point
A0180	Engine shutdown test
A0181	AdBlue4/2 Channel Valve
A0182	SCR system injection valve test - small
A0183	SCR system injection valve test - medium
A0184	SCR system injection valve test-large
A0185	TVA valve self-learning test
A0186	Preheat resistance
A0187	Speed test
A0188	Idle speed test
A0189	Flameout test
A0190	Valve actuator test
A0191	Engine Brake switch test
A0192	instrument Meter lamp signal test
A0193	Low-idle engine brake switch
A0194	MIL lamp signal test
A0195	Metering unit actuator test
A0196	Vehicle fault lamp signal test
A0197	Rail pressure setting value substitution diagnosis
A0198	Throttle actuator test [learning offset]
A0199	AdBlue pressure pipe heater signal test
A0200	AdBlue suction pipe heater signal test
A0201	AdBlue supply pipe heater signal test
A0202	AdBlue tank heater signal test
A0203	AdBlue pump motor test
A0204	Exhaust gas temperature sensor ATS
A0205	PfIt upstream temperature sensor ATS
A0206	SCR upstream temperature sensor ATS
A0207	AdBlue metering valve

A0208	closed path test
A0209	valve actuator test [learning offset]
A0210	AdBlue metering valve actuator test mark
A0211	AdBlue return pipe heater signal test 1
A0212	AdBlue return pipe heater signal test 2
A0213	Fuel filter heater
A0214	Starter signal test
A0215	Engine water temperature display test
A0216	Fuel pre-supply pump test
A0217	Starter high-end control test
A0218	Supercharger self-learning test
A0219	OBD lamp
A0220	System lights
A0221	TVA actual opening
A0222	TVA demand opening degree
A0223	EGR actual opening
A0224	EGR demand opening
A0225	Oil pressure indicator light
A0226	DPF indicator
A0227	Engine brake switch
A0228	Low idle brake switch
A0229	Throttle position self-learning test
A0230	AdBlue pressure pipe heating test
A0231	AdBlue suction pipe heating test
A0232	AdBlue supply pipe heating test
A0233	AdBlue box heating test
A0234	AdBlue pump test
A0235	AdBlue back-pump valve test
A0236	Exhaust temperature sensor test
A0237	Particle filter upstream sensor temperature test
A0238	SCR system upstream sensor temperature test
A0239	Engine oil cut off test
A0240	AdBlue metering valve actuator test
A0241	AdBlue return pipe heating test
A0242	Intake heating control valve test
A0243	Fuel filter heater test
A0244	Starter test
A0245	AdBlue Metering valve actuator test
A0246	Fuel meter test
A0247	Variable turbine actuator test
A0248	Preheating lamp test
A0249	OBD MIL lamp test
A0250	High pressure pump pressure controller test
A0251	SVS Lamp Test
A0252	TVA valve test
A0253	Rail pressure setting value of diagnostic substitute value test
A0254	External shutdown request test
A0255	Engine cylinder cut off request test
A0256	Engine intake heating test
A0257	Supercharger control valve test
A0258	Supercharger control valve self-learning test
A0259	Speed input test
A0260	Intake Throttle Test
A0261	Rail pressure substitute target value test
A0262	Exhaust brake valve relay test
A0263	MeUn current set point test
A0264	Electronic fan 1 control test
A0265	Electronic fan 2 control test
A0266	Exhaust Brake Test
A0267	Fuel pre-supply pump test
A0268	System work light test
A0269	Cylinder Cut Off Test
A0270	A/C compressor relay
A0271	Heated fuel filter relay
A0272	Glow Plug Relay
A0273	eobd warning light
A0274	Fuel pump relay
A0275	Cooling fan 1st gear relay
A0276	Cooling fan 2 gear relay
A0277	external test paper
A0278	Cylinder cut off (injection off) test
A0279	Engine speed comparison
A0280	Start fault information test
A0281	Emission warning light (OBD)
A0282	Cooling fan relay 1
A0283	Exhaust temperature sensor test
A0284	EGR self-learning test
A0285	Air conditioning compressor signal test (%)
A0286	Booster Actuator Test (%)
A0287	EGR valve test (%)
A0288	Engine Average Speed Test (RPM)
A0289	GLOW lamp test
A0290	MIL lamp test
A0291	Fuel Metering Unit Test (MA)
A0292	Pressure control valve test
A0293	Fuel Pump Test
A0294	Throttle valve opening test (%)
A0295	Vortex valve position test
A0296	Rail pressure setting (hpa)
A0297	Cylinder cut off test - 1 cylinder cut off

A0298	Cylinder cut off test - 2 cylinder cut off
A0299	Cylinder cut off test - 3 cylinder cut off
A0300	Cylinder cut off test - 4 cylinder cut off
A0301	Cylinder cut off test - 5 cylinder cut off
A0302	Cylinder cut off test - 6 cylinder cut off
A0303	EGR valve learning offset test
A0304	Wastegate valve flap test (%)
A0305	Intake Air Heater
A0306	Fuel filter heating
A0307	Start-up delay
A0308	Thermostat Test (%)
A0309	Throttle valve self-learning Offset test
A0310	Hydrocarbon injection test (%)
A0311	AdBlue backflow test
A0312	AdBlue pressure test
A0313	AdBlue inhalation test
A0314	AdBlue supply heating unit
A0315	AdBlue tube heater
A0316	Urea pump test (%)
A0317	Urea return pipe test
A0318	Electronic throttle position self-learning function
A0319	Ignition coil 1 drive
A0320	Ignition coil 5 drive
A0321	Ignition coil 3 drive
A0322	Ignition coil 6 drive
A0323	Ignition coil 2 drive
A0324	Ignition coil 4 drive
A0325	Gas nozzle drive
A0326	Electric Throttle Actuation (%)
A0327	Starter relay drive
A0328	Wastegate Drive Duty Cycle (%)
A0329	Engine brake request switch control
A0330	Engine brake valve 1 drive
A0331	Engine brake valve 2 actuation
A0332	Low pressure fuel shut-off valve drive (pressure reducer)
A0333	Air conditioner relay driver
A0334	Fan solenoid valve drive (%)
A0335	SVS light control
A0336	Idle speed setting function (rpm)
A0337	Speed limit function (km/h)
A0338	PTO set point control (rpm)
A0339	Remote Throttle Set Point Control (rpm)
A0340	Remote shutdown control
A0341	Remote start control
A0342	Exhaust brake valve actuation (%)
A0343	MIL indicator lamp
A0344	The actual opening degree test of the electronically controlled waste gas valve of the supercharger
A0345	System fault indicator
A0346	Fuel metering unit working duty cycle signal
A0347	TVA Actual Opening Test
A0348	TVA demand opening test
A0349	Pipette Heating Relay Test
A0350	AdBlue pump heating relay test
A0351	AdBlue heating state
A0352	AdBlue pump duty cycle
A0353	Urea pump to suction valve working test
A0354	Actual opening value of hydrocarbon injection
A0355	Set opening value of hydrocarbon injection
A0356	Fuel filter heating test
A0357	Water in oil light test
A0358	Water temperature test