

# XICHAI V14.74 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\Bosch Common Rail\Bosch Automatic Identification	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\Bosch Common Rail\Bosch EDC17CV41 (China VI)	✓	✓	✓	✓	A0001, A0117, A0118, A0119, A0120, A0121, A0122, A0123, A0124, A0125, A0126, A0127, A0128, A0129, A0130, A0131, A0132, A0133, A0134, A0135, A0136,	S0003, S0004, S0072, S0005, S0073, S0074, S0020, S0021, S0022, S0023, S0024, S0025
Diesel Engine\Bosch Common Rail\Bosch EDC17CV54+DPF (4DXR, 4DW, 4DB1 China IV/V)\Bosch EDC17CV54_P1651+DPF	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\Bosch Common Rail\Bosch EDC17CV54 EGR (China IV/V)\Bosch EDC17CV54_P904+EGR\Bosch EDC17CV54_P904 EGR(K)	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\Bosch Common Rail\Bosch EDC17CV54 EGR (China IV/V)\Bosch EDC17CV54_P904+EGR\Bosch EDC17CV54_P904 EGR(CAN)	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\Bosch Common Rail\Bosch EDC17CV54 EGR (China IV/V)\Bosch EDC17CV54_P1074+EGR(4DC2, 4DC3)\Bosch EDC17CV54_P1074 EGR(K )	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\Bosch Common Rail\Bosch EDC17CV54 EGR (China IV/V)\Bosch EDC17CV54_P1074+EGR(4DC2, 4DC3)\Bosch EDC17CV54_P1074 EGR(CAN)	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\Bosch Common Rail\Bosch EDC17CV54 EGR (China IV/V)\Bosch EDC17CV54_P1074+EGR(4DC2, 4DC3)\Bosch EDC17CV54_P1074 EGR(UBS)	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\Bosch Common Rail\Bosch EDC17CV54 EGR (China IV/V)\Bosch EDC17CV54_P1074+EGR (4DXR, 4DW, 4DB1)\Bosch EDC17CV54_P1074 EGR(K )	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\Bosch Common Rail\Bosch EDC17CV54 EGR (China IV/V)\Bosch EDC17CV54_P1074+EGR (4DXR, 4DW, 4DB1)\Bosch EDC17CV54_P1074 EGR(CAN)	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\Bosch Common Rail\Bosch EDC17CV54 EGR (China IV/V)\Bosch EDC17CV54 (A00, B00, E00 EGR)	✓	✓	✓	✓	A0021, A0022, A0023, A0024, A0025, A0004, A0026, A0027, A0028, A0029, A0030, A0031, A0032, A0033, A0034	S0003, S0004, S0017, S0018, S0019, S0020, S0021, S0022, S0023, S0024, S0025, S0009
Diesel Engine\Bosch Common Rail\Bosch EDC17CV44+SCR (China IV/V)\Bosch EDC17CV44_P903 (DN0x2.2 Type 1 China IV/V)	✓	✓	✓	✓	Please refer to SCR Function List	
Diesel Engine\Bosch Common Rail\Bosch EDC17CV44+SCR (China IV/V)\Bosch EDC17CV44_P903 (DN0x2.2 Type 2 China IV/V)	✓	✓	✓	✓	Please refer to SCR Function List	
Diesel Engine\Bosch Common Rail\Bosch EDC17CV44+SCR (China IV/V)\Bosch EDC17CV44_P903 (V300/V400 China IV/V)	✓	✓	✓	✓	Please refer to SCR Function List	
Diesel Engine\Bosch Common Rail\Bosch EDC17CV44+SCR (China IV/V)\Bosch EDC17CV44_P903 (V400/V500 DN0x6.5 China V with JAC Gallop)	✓	✓	✓	✓	Please refer to SCR Function List	
Diesel Engine\Bosch Common Rail\Bosch EDC17CV44+SCR (China IV/V)\Bosch EDC17CV44_P903 (V762/V750 China IV/V)	✓	✓	✓	✓	Please refer to SCR Function List	
Diesel Engine\Bosch Common Rail\Bosch EDC17CV44+SCR (China IV/V)\Bosch EDC17CV44_P903 (DN0x6.5 China IV/V)	✓	✓	✓	✓	Please refer to SCR Function List	
Diesel Engine\Bosch Common Rail\Bosch EDC17C55.P978	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\Bosch Common Rail\Bosch EDC17C62S3 (non-road 4DW China IV)	✓	✓	✓	✓	Please refer to FAW Function List	
Diesel Engine\Bosch Common Rail\Bosch EDC7/EDC16 system (China III)\Bosch EDC7UC31\Bosch EDC7UC31 (K line)	✓	✓	✓	✓	A0035, A0003, A0005, A0007, A0036, A0002, A0037, A0006, A0008, A0038, A0009, A0039, A0040, A0041, A0042, A0043, A0044, A0045, A0046, A0047, A0048,	S0026, S0027, S0028, S0029, S0030, S0003, S0004, S0005, S0031, S0032
Diesel Engine\Bosch Common Rail\Bosch EDC7/EDC16 system (China III)\Bosch EDC7UC31\Bosch EDC7UC31 (CAN line)	✓	✓	✓	✓		S0028, S0027, S0002, S0026, S0031, S0071
Diesel Engine\Bosch Common Rail\Bosch EDC7/EDC16 system (China III)\Bosch EDC7UC31\Bosch EDC7UC31-CR Common Rail System (FAW Jiefang)	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\Bosch Common Rail\Bosch EDC7/EDC16 system (China III)\Bosch EDC7UC31\Bosch EDC7UC31_P520 (dynamic data)	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\Bosch Common Rail\Bosch EDC7/EDC16 system (China III)\Bosch EDC16C39\Bosch EDC16C39 system (KWP)	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\Bosch Common Rail\Bosch EDC7/EDC16 system (China III)\Bosch EDC16C39\Bosch EDC16C39 system	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\Bosch Common Rail\Bosch EDC7/EDC16 system (China III)\Bosch EDC16UC40\Bosch EDC16UC40-CR Common Rail System (FAW Jiefang)	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\Bosch Common Rail\Bosch EDC7/EDC16 system (China III)\Bosch EDC16UC40\Bosch EDC16UC40-UP Unit Pump System (FAW Jiefang)	✓	✓	✓	✓	Please refer to BOSCH Function List	
Diesel Engine\Bosch Common Rail\Bosch EDC7/EDC16 system (China III)\Bosch EDC16UC40\Bosch EDC16UC40(K)	✓	✓	✓	✓	A0035, A0003, A0005, A0007, A0036, A0002, A0037, A0006, A0008, A0038, A0009, A0039, A0040, A0041, A0042, A0043, A0044, A0045, A0046, A0047, A0048,	S0026, S0027, S0028, S0029, S0030, S0003, S0004, S0005, S0031, S0032
Diesel Engine\Denso Common Rail\Electrically mounted Common Rail 4DD (D33)	✓	✓	✓	✓	Please refer to DACHAI Function List	
Diesel Engine\Denso Common Rail\Denso Common Rail (4/6DL1, 4/6DLD)\Denso Common Rail C31(K)	✓	✓	✓	✓	A0096, A0097, A0098, A0100, A0101	S0003, S0004, S0065
Diesel Engine\Denso Common Rail\Denso Common Rail (4/6DL1, 4/6DLD)\Denso Common Rail C31 (CAN)	✓	✓	✓	✓	A0096, A0097, A0098, A0099, A0100	S0003, S0004, S0065
Diesel Engine\Denso Common Rail\Denso Common Rail (4/6DL1, 4/6DLD)\Denso Common Rail C31 OBD	✓	✓	✓	✓		
Diesel Engine\Denso Common Rail\Denso Common Rail (6DL1)\Denso Common Rail 275800-4281	✓	✓	✓	✓	A0096, A0102, A0103, A0104, A0101, A0105	S0003, S0004, S0066, S0067, S0068, S0065
Diesel Engine\FAW Autonomous (Continental)\FAW Autonomous (Continental) Electronic Control System (China VI)	✓	✓	✓	✓	Please refer to FAW Function List	
Diesel Engine\FAW Autonomous (Continental)\FAW Autonomous (Continental) Electronic Control System OBD (China VI)	✓	✓	✓	✓	Please refer to FAW Function List	
Diesel Engine\FAW Autonomous (Continental)\FAW Autonomous (Continental) Electronic Control System (China IV/V)	✓	✓	✓	✓	A0071, A0072, A0073, A0074, A0075, A0076, A0077, A0078, A0079, A0080, A0081, A0082, A0083, A0084, A0085, A0086, A0087, A0088, A0089, A0090, A0091,	S0003, S0004, S0005, S0033, S0034, S0035, S0036, S0037, S0038, S0039, S0040, S0041, S0010, S0042, S0043, S0044, S0045, S0046, S0047, S0048, S0049,
Diesel Engine\FAW Autonomous (Continental)\FAW Autonomous (Continental) Electronic Control System OBD (China IV, V)	✓	✓	✓	✓		
Diesel Engine\FAW Autonomous (Continental)\FAW Autonomous (Continental) Electronic Control System - Read special data stream (FAWE4_V03.50x)(China IV/V)						
Diesel Engine\ECTEK\Easy Electronic control system (Xichai)	✓	✓	✓	✓	Please refer to YIKONG Function List	
Diesel Engine\Unit Pump\Hengyang Unit Pump R02	✓	✓	✓	✓	Please refer to YUCHAI Function List	

Diesel Engine\Unit Pump\Hengyang Unit Pump R03		✓	✓	✓		
Diesel Engine\Unit Pump\Hengyang pump FEUP (DEUTZ, 4DF3, 6DE3, 6DL)\FEUP_A+EGR	✓	✓	✓	✓	Please refer to DACHAI Function List	
Diesel Engine\Unit Pump\Hengyang pump FEUP (DEUTZ, 4DF3, 6DE3, 6DL)\FEUP_B+SCR	✓	✓	✓	✓	Please refer to DACHAI Function List	
Diesel Engine\Unit Pump\Hengyang pump FEUP (DEUTZ, 4DF3, 6DE3, 6DL)\FEUP1_OBD	✓	✓	✓	✓	Please refer to FAW Function List	
Diesel Engine\Unit Pump\Hengyang pump ECTECK (M8 T3, 4DC T3 80Pin)	✓	✓	✓	✓	A0106, A0107, A0108, A0109, A0110, A0111, A0112, A0113, A0114	S0069, S0003, S0004, S0070, S0002
Diesel Engine\Unit Pump\Hengyang pump ECTECK(4DW, 4DX, 4DF, 6DF 48Pin/80Pin)	✓	✓	✓	✓	A0106, A0107, A0108, A0109, A0110, A0111, A0112, A0113, A0114	S0069, S0003, S0004, S0070, S0002
Diesel Engine\Unit Pump\Hengyang\Bosch pump ECTECK (BFM1013 T3, BFM2012 T3 121Pin)	✓	✓	✓	✓		
Natural Gas Engine\Xichai Natural Gas EControl System (J1939)		✓	✓	✓		
Natural Gas Engine\Weichai Woodward OH2.2 system	✓	✓	✓	✓	Please refer to NATURALGASENGINE Function List	
Natural Gas Engine\Xichai Natural Gas EControl 4G System (CAN)	✓	✓	✓	✓	A0115, A0116	
Natural Gas Engine\Xichai Natural Gas CNG/LNG System (K)	✓	✓	✓	✓		
Natural Gas Engine\FAW Autonomous FNG Electronic Control Unit (CAN)	✓	✓	✓	✓	Please refer to FAW Function List	
Natural Gas Engine\FAW Jiefang Bosch EGC4 electronic control system (6SM2 (M4Q) (China V)	✓	✓	✓	✓	Please refer to FAW Function List	
Natural Gas Engine\FAW Jiefang Bosch MD1 Electronic Control System (China VI)	✓	✓	✓	✓	Please refer to NATURALGASENGINE Function List	
Exhaust Aftertreatment\Bosch SCR\FAW Jiefang DNOX2.2 (Type 1 China IV/V)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Bosch SCR\FAW Jiefang DNOX2.2 (Type 2 China IV/V)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Bosch SCR\FAW Jiefang DNOx6.5 (China IV/V)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Bosch SCR\FAW Jiefang EDCI7CV44 (China IV V762/V750)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Bosch SCR\FAW Jiefang EDCI7CV44 (China V V300/V400)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Bosch SCR\Xichai DNOX6.5 China V (P903 V400/500 with JAC Gallop)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Bosch SCR\Bosch DCU DNOx2.0/2.2 (Engine system: DNE50 C31)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (CAN Line)\Kailong SCR (UDS)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (CAN Line)\Kailong SCR (UDS Futian)	✓	✓	✓	✓	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)\Air Auxiliary Metering Pump-15765	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (CAN Line)\No Air Auxiliary Metering Pump-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)\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 Exhaust Aftertreatment (J1939)\Universal Independent DCU-J1939	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (J1939)\Air-assisted Metering Pump-J1939	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (J1939)\Airless Auxiliary Metering Pump-J1939	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (J1939)\Universal Independent Air-assisted Metering Pump-J1939	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (J1939)\Kailong AdBlue Pump Test\Kailong Pump (round mouth)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (J1939)\Kailong AdBlue Pump Test\Kailong Pump (square mouth, China IV)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (J1939)\Kailong AdBlue Pump Test\Kailong Pump (square mouth, China V)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (J1939)\Kailong AdBlue Pump Test\Kailong Pump (5P, 5-pin connector)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (J1939)\Kailong AdBlue Pump Test\Kailong Hydraulic (12V)	✓	✓	✓	✓	Please refer to SCR Function List	
Exhaust Aftertreatment\Kailong SCR\Kailong Exhaust Aftertreatment (J1939)\Kailong AdBlue Pump Test\Kailong Hydrodynamic (24V)	✓	✓	✓	✓	Please refer to SCR Function List	

Special Function Table

S0001	Deep Clear DTCs (exhaust after treatment system)
S0002	Cylinder cut off Test
S0003	Read and Write Vehicle Identification Number (VIN)
S0004	Read and Write Engine Identification Number (EIN)
S0005	Read and write vehicle model
S0006	PRV valve opening times
S0007	PRV valve opening time
S0008	Read and write software calibration identification number
S0009	Total oil consumption
S0010	Credit loan flag
S0011	Leak test
S0012	Small injection rate and small injection quantity test
S0013	Medium injection rate and medium injection quantity test
S0014	Large injection rate and large injection quantity test
S0015	EOL test (pressure build-up and minimum quantity injection)
S0016	System emptying
S0017	Read-write calibration mark
S0018	Read and write four cylinder compensation
S0019	Read and write six cylinder compensation
S0020	DPF value reading
S0021	DPF value reduction
S0022	DPF value write
S0023	DPF reset
S0024	DPF in situ regeneration
S0025	DPF dynamic regeneration
S0026	Compression Test
S0027	Accelerated Testing
S0028	High-pressure Test
S0029	Cylinder 1 Cut off Test
S0030	Cylinder 2 Cut off Test
S0031	Startup fault information
S0032	Clear (reset) PRV valve (drain) Pressure valve) opening times and time
S0033	Read and Write Engine Model
S0034	Opening times of PRV valve (pressure limiting valve)
S0035	Opening time of PRV valve (pressure limiting valve)
S0036	Engine Run Time
S0037	Engine mileage
S0038	Ammonia tank loading confirmation code
S0039	Loading ammonia tank 1 serial number
S0040	Loading ammonia tank 2 serial number
S0041	Diesel top dead center factory offline correction angle
S0042	Injector 1 injection quantity correction
S0043	injector 2 spray Quantity correction
S0044	Injector 3 injection quantity correction
S0045	Injector 4 injection quantity correction
S0046	injector 5 injection quantity correction
S0047	Injector 6 injection quantity correction
S0048	Denso injector compensation amount
S0049	Hengyang unit pump compensation amount
S0050	(FAW Autonomous) Air drive after-treatment test (3bar AdBlue pressure, 3 injections)
S0051	(FAW Autonomous) Air drive after-treatment test (custom injection times and AdBlue pressure)
S0052	(FAW Autonomous) Air drive after-treatment test (with AdBlue pressure) (not limited to the number of injections)
S0053	(FAW autonomous) Air drive after-treatment AdBlue nozzle control
S0054	Tenneco Exhaust Aftertreatment Test
S0055	Denso fuel system oil pump Self learning
S0056	Depth Clear Code (support FAW E4 V03.03x version)
S0057	Depth Clear Code (support FAW E4 V03.10x version)
S0058	Depth Clear Code (support FAW E4 V03.20x version)
S0059	Depth Clear Code (support FAW E4 V03.22x version)
S0060	Depth Clear Code (support FAW E4 V03.30x version)
S0061	Depth Clear Code (support FAW E4 V03.50x version)
S0062	Depth Clear Code (support FAW E4 V04.20x version)
S0063	Data Flow Group 1
S0064	Data Flow Group 2
S0065	Compensation
S0066	Correction number of fuel compensation for QLQC1
S0067	Correction number of fuel compensation for QLQC2
S0068	Correction number of fuel compensation for QLQC3
S0069	Routine control (knock test)
S0070	Read Injector Compensation
S0071	Clear (reset) PRV valve (Pressure relief valve)
S0072	Read and write system name or engine type
S0073	Modify the number of openings of the pressure limiting valve (PRV valve)
S0074	Modify the opening time of the pressure limiting valve (PRV valve)

Active Test Table

A0001	Air conditioner Compressor signal test
A0002	Boost pressure actuator test
A0003	EGR actuator test
A0004	Engine speed test
A0005	Fault light test
A0006	Actuator test of fuel regulator
A0007	System light test
A0008	Gas valve actuator test
A0009	Alternative rail voltage seted-point signal testing
A0010	External test power switch test
A0011	Selected cylinder injection status test
A0012	SCR injection valve
A0013	SCR heating pressure curve
A0014	SCR-AdBlue tank heating
A0015	AdBlue supply pump
A0016	AdBlue4/2 Channel Valve
A0017	SCR heating reflow curve
A0018	AdBlue heating supply module
A0019	AdBlue heat pumping curve
A0020	External AdBlue heating relay
A0021	Air conditioning signal test
A0022	Booster pressure test
A0023	EGR test
A0024	Preheat indicator light test
A0025	Intake preheater actuator test
A0026	OBD Lamp test
A0027	Oil metering unit test

A0028	Malfunction Indicator Lamp (MIL) Lamp test
A0029	Throttle Actuator Test
A0030	Variable intake valve actuator test
A0031	Rail pressure substitute value test at fault
A0032	Diagnostic instrument test value test
A0033	Cylinder cut-off test (mode 1)
A0034	Cylinder cut-off test (mode 2)
A0035	Air conditioning compressor signal test
A0036	Fuel injection characteristics of selected cylinders
A0037	Test of engine average speed
A0038	Low idle speed
A0039	Air heating 1 drive
A0040	Air heating 2 drive
A0041	Cold start light drive
A0042	Start control
A0043	Exhaust brake drive
A0044	Engine brake switch
A0045	Cruise reduction switch
A0046	Cruise plus switch
A0047	Cruise reset switch
A0048	Cruise closing switch
A0049	Neutral Switch
A0050	Main relay switch of air conditioner
A0051	Clutch Switch
A0052	ECU controlled start up
A0053	Engine compartment parking switch
A0054	Engine compartment start switch
A0055	Brake switch
A0056	The ignition switch
A0057	High idle speed point
A0058	Accelerator pedal requires torque
A0059	Main fuel injection
A0060	Main jet advance angle
A0061	Main spray time
A0062	Fuel Temperature
A0063	Cooling water temperature
A0064	Engine Oil Temperature
A0065	Engine oil pressure
A0066	Accelerator pedal open
A0067	Intake air temperature
A0068	Vehicle speed
A0069	Ambient Temp
A0070	Environmental pressure
A0071	Intake Preheating relay control
A0072	Intake preheater control
A0073	Exhaust brake relay control
A0074	Exhaust brake light control
A0075	Engine brake lamp relay control
A0076	Engine fault lamp control
A0077	OBD fault light control
A0078	Air conditioning relay control
A0079	Starting relay control
A0080	AdBlue water heater valve Control
A0081	Control of AdBlue pipeline heating relay
A0082	AdBlue pump heating relay control
A0083	AdBlue reversing valve diagnostic control
A0084	Fan relay control
A0085	Air supply valve control
A0086	AdBlue pump control
A0087	Directional valve control
A0088	AdBlue nozzle control
A0089	Intake valve control
A0090	Exhaust valve control
A0091	Cylinder cut off test control
A0092	Pressure regulator shut-off valve (%)
A0093	Ammonia tank heating valve
A0094	Ammonia nozzle (%)
A0095	Nozzle heating relay
A0096	Cylinder cut off Test
A0097	Fuel leakage check function
A0098	Exhaust brake (on/off function)
A0099	Air flow sensor (MAF) check function
A0100	Fuel pump self-learning
A0101	Odometer reset and fuel consumption cleared.
A0102	Fuel leakage inspection
A0103	ODDIS FULTAL restart function
A0104	Exhaust brake inspection
A0105	Oil pump learning
A0106	First cylinder injection control state
A0107	Second cylinder injection control state
A0108	Third cylinder injection control state
A0109	Fourth cylinder injection control state
A0110	Fifth cylinder injection control state
A0111	Sixth cylinder injection control state
A0112	EGR target position control
A0113	Start relay control
A0114	Preheating relay control
A0115	Fuel injection Inverter test
A0116	Disconnect spark plug test
A0117	Booster actuator test
A0118	EGR valve test
A0119	Engine average speed test
A0120	GLOW lamp test
A0121	MIL lamp test
A0122	Oil metering unit test
A0123	Pressure control valve test
A0124	Output pump test
A0125	SVS Lamp Test
A0126	Throttle valve opening test
A0127	Vortex valve position test
A0128	Rail pressure setting
A0129	Cylinder cut off test - 1 Cylinder
A0130	Cylinder cut off test - 2 Cylinder
A0131	Cylinder cut off test - 3 Cylinder
A0132	Cylinder cut off test - 4 Cylinder
A0133	Cylinder cut off test - 5 Cylinder
A0134	Cylinder cut off test - 6 Cylinder

A0136	Exhaust bypass valve flapping test
A0137	Intake Air Heater
A0138	Fuel filter heating
A0139	Start-up delay
A0140	Thermostat test
A0141	Throttle valve self-learning offset test
A0142	Hydrocarbon injection test
A0143	AdBlue backflow test
A0144	AdBlue pressure test
A0145	AdBlue inhalation test
A0146	AdBlue supply heating unit
A0147	AdBlue tube heater
A0148	AdBlue pump test
A0149	AdBlue reflux valve test