



FCAR F3 Diagnostic List (note: for reference only)

Automaker:	Atlas
Version:	V5.3

Engine type	System	System	System	Function					
				Version Info	Read DTCs	Clear DTCs	Read data stream	Actuation test	Remarks (other functions)
Benz engine	ACTROS	ACTROS WDB930.0 - 934.0 (16-pin socket)	MR-Base module	✓	✓	✓	✓	-	-
			MR-Engine control	✓	✓	✓	✓	-	-
			INS-Instrument	✓	✓	✓	✓	-	-
			BS-Brake control	✓	✓	✓	✓	-	-
			ZHE-Auxiliary heater	✓	✓	✓	✓	-	-
			FM-Front module	✓	✓	✓	✓	-	-
			MSF-Switch panel	✓	✓	✓	✓	-	-
			MSF-Conversion gauge	✓	✓	✓	✓	-	-
			MSF-Gear control	✓	✓	✓	✓	-	-
			FR-Drive control	✓	✓	✓	✓	-	-
	ACTROS	ACTROS WDB950.0 - 954.0 (14-pin socket)	HM-rear module	✓	✓	✓	✓	-	-
			TMF-Driver's door module	✓	✓	✓	-	-	-
			MR-base module	✓	✓	✓	✓	-	-
			MR-Engine control	✓	✓	✓	✓	-	-
			INS-Instrument	✓	✓	✓	✓	-	-
			BS-Brake control	✓	✓	✓	✓	-	-
ACTROS MP II	ACTROS MP II	ACTROS MP II WDB930.0 - 934.0 (16-pin socket)	ZHE-Auxiliary heater	✓	✓	✓	✓	-	-
			FM-Front module	✓	✓	✓	✓	-	-
			HM-rear module	✓	✓	✓	✓	-	-
	ACTROS MP II	ACTROS MP II WDB950.0 - 954.0 (14-pin socket)	VDO FR-drive control automobile - engine ECU	✓	✓	✓	-	-	-
			FM-Front module	✓	✓	✓	✓	-	-
			HM-rear module	✓	✓	✓	✓	-	-
			VDO FR-drive control automobile - engine ECU	✓	✓	✓	-	-	-
			FM-Front module	✓	✓	✓	✓	-	-
			HM-rear module	✓	✓	✓	✓	-	-

Atego	Atego WDB930.0 - 934.0(16-pin socket)	ABS-Anti-lock Brake System 4-2	✓	✓	✓	-	-	-
	Atego WDB950.0 - 954.0(14-pin socket)	ABS-Anti-lock Brake System 4-2	✓	✓	✓	-	-	-
	Vario 512 Vario 512 WDB930.0 - 934.0(16-pin socket)	ABS Bosch 5.3	✓		✓	-	-	-
		Bosch MR PF Pump(PLD/PLN type injection system)	✓	✓	✓	-	-	-
Xichai engine	Xichai 4DF3 engine		✓	✓	✓	✓	-	Read freeze frame, functional test, actuator control, modify data of electric control system
	BOSCH common rail_EDC16UC 40	Static diagnostic data	✓	✓	✓	-	-	Read freeze frame, oil balance matching
		Dynamic diagnostic data	✓	-	-	✓	✓	Functional test
	BOSCH common rail_EDC7UC3 1	Static diagnostic data	✓	✓	✓	-	-	Read freeze frame, troubleshooting guide
		Dynamic diagnostic data	✓	-	-	✓	✓	Functional test
Weichai engine		Static diagnostic data	✓	✓	✓	-	-	Read freeze frame, troubleshooting guide
		Dynamic diagnostic data	✓	-	-	✓	✓	Functional test

Remarks: ✓ means the system supports this function - means not

	FCAR F3 Diagnostic List (Note: for reference only)					Automaker:	Bobcat	
						Version:	V5.3	
System	System	System	Function					
			Read DTCs	History DTCs	Actuation test	Clear DTCs	Read data stream	
CUMMINS engine	CUMMINS ISBe engine _24V		√	√	–	√	√	–
	CUMMINS ISDe engine _24V		√	√	–	√	√	–
	CUMMINS ISLe engine _24V		√	√	–	√	√	–
	CUMMINS ISMe engine _24V		√	√	–	√	√	–
	CUMMINS ISZe engine _24V		√	√	–	√	√	–
	CUMMINS ISBe type diesel engine	J1708 protocol diagnosis	√	–	–	√	√	Read freeze frame, system ID and nameplate, driving information
		J1939 protocol diagnosis	√	–	–	√	√	Version information,
	CUMMINS B5.9G type CNG engine		√	–	–	√	√	Read freeze frame, system ID and nameplate, advanced ECM test
	CUMMINS ISBe4 type diesel engine	J1708 protocol diagnosis	√	–	–	√	√	–
		J1939 protocol diagnosis	√	–	–	√	√	–
	CUMMINS ISC/ISL type diesel engine	J1708 protocol diagnosis	√	–	–	√	√	–
		J1939 protocol diagnosis	√	√	–	√	√	–
	CUMMINS ISDE type diesel engine		√	√	–	√	–	Version information,
	CUMMINS ISLE type diesel engine		√	–	√	√	√	Service light reset
	CUMMINS ISF2.8/3.8 CM2220 engine system		√	–	√	√	√	Service light reset

Remarks: √ means the system supports this function – means not

	FCAR F3 Diagnostic List (Note: for reference only)						Automaker: CASE	
							Version: V5.3	
System	System	System	Function					
			Read DTCs	History DTCs	Actuation test	Clear DTCs	Read data stream	
CUMMINS engine	CUMMINS ISBe engine _24V		√	√	-	√	√	-
	CUMMINS ISDe engine _24V		√	√	-	√	√	-
	CUMMINS ISLe engine _24V		√	√	-	√	√	-
	CUMMINS ISMe engine _24V		√	√	-	√	√	-
	CUMMINS ISZe engine _24V		√	√	-	√	√	-
	CUMMINS ISBe type diesel engine	J1708 protocol diagnosis	√	-	-	√	√	Read freeze frame, system ID and nameplate, driving information
		J1939 protocol diagnosis	√	-	-	√	√	Version information, driving information
	CUMMINS B5.9G type CNG engine		√	-	-	√	√	Read freeze frame, system ID and nameplate, advanced ECM test
	CUMMINS ISBe4 type diesel engine	J1708 protocol diagnosis	√	-	-	√	√	-
		J1939 protocol diagnosis	√	-	-	√	√	-
	CUMMINS ISC/ISL type diesel engine	J1708 protocol diagnosis	√	-	-	√	√	-
		J1939 protocol diagnosis	√	√	-	√	√	-
	CUMMINS ISDE type diesel engine		√	√	-	√	-	Version information,
	CUMMINS ISLE type diesel engine		√	-	√	√	√	Service light reset
	CUMMINS ISF2.8/3.8 CM2220 engine system		√	-	√	√	√	Service light reset

Remarks: √ means the system supports this function - means not



FCAR F3 Diagnostic List

(Note: for reference only)

Automaker:	DASIN
Version:	V5.3

System	System	System	Function					
			Read DTCs	History DTCs	Actuation test	Clear DTCs	Read data stream	Remarks (other functions)
CUMMINS engine	CUMMINS ISBe engine _24V		✓	✓	-	✓	✓	-
	CUMMINS ISDe engine _24V		✓	✓	-	✓	✓	-
	CUMMINS ISLe engine _24V		✓	✓	-	✓	✓	-
	CUMMINS ISMe engine _24V		✓	✓	-	✓	✓	-
	CUMMINS ISZe engine _24V		✓	✓	-	✓	✓	-
	CUMMINS ISBe type diesel engine	J1708 protocol diagnosis	✓	-	-	✓	✓	Read freeze frame, system ID and nameplate, driving information
		J1939 protocol diagnosis	✓	-	-	✓	✓	Version information, driving information
	CUMMINS B5.9G type CNG engine		✓	-	-	✓	✓	Read freeze frame, system ID and nameplate, advanced ECM test
	CUMMINS ISBe4 type diesel engine	J1708 protocol diagnosis	✓	-	-	✓	✓	-
		J1939 protocol diagnosis	✓	-	-	✓	✓	-
	CUMMINS ISC/ISL type diesel engine	J1708 protocol diagnosis	✓	-	-	✓	✓	-
		J1939 protocol diagnosis	✓	✓	-	✓	✓	-
	CUMMINS ISDE type diesel engine		✓	✓	-	✓	-	Version information
	CUMMINS ISLE type diesel engine		✓	-	✓	✓	✓	Service light reset
	CUMMINS ISF2.8/3.8 CM2220 engine system		✓	-	✓	✓	✓	Service light reset

Remarks: ✓ means the system supports this function - means not

FCAR F3 Diagnostic List <small>(Note: for reference only)</small>				Automker:	DBC			
				Version:	V5.3			
System	System	System	Function					
			Read DTCs	History DTCs	Actuation test	Clear DTCs		
CUMMINS engine	CUMMINS ISBe engine 24V		✓	✓	-	✓	✓	-
	CUMMINS ISDe engine 24V		✓	✓	-	✓	✓	-
	CUMMINS ISLe engine 24V		✓	✓	-	✓	✓	-
	CUMMINS ISMe engine 24V		✓	✓	-	✓	✓	-
	CUMMINS ISZe engine 24V		✓	✓	-	✓	✓	-
	CUMMINS ISBe type diesel engine	J1708 protocol diagnosis	✓	-	-	✓	✓	Read freeze frame, system ID and nameplate, driving information
		J1939 protocol diagnosis	✓	-	-	✓	✓	Version information, driving information
	CUMMINS B5.9G type CNG engine		✓	-	-	✓	✓	Read freeze frame, system ID and nameplate, advanced ECM test
	CUMMINS ISBe4 type diesel engine	J1708 protocol diagnosis	✓	-	-	✓	✓	-
		J1939 protocol diagnosis	✓	-	-	✓	✓	-
	CUMMINS ISC/ISL type diesel engine	J1708 protocol diagnosis	✓	-	-	✓	✓	-
		J1939 protocol diagnosis	✓	✓	-	✓	✓	-
	CUMMINS ISDE type diesel engine		✓	✓	-	✓	-	Version information
	CUMMINS ISLE type diesel engine		✓	-	✓	✓	✓	Service light reset
	CUMMINS ISF2.8/3.8 CM2220 engine system		✓	-	✓	✓	✓	Service light reset

Remarks: ✓ means the system supports this function - means not



FCAR F3 Diagnostic List (Note: for reference only)

Automaker:	Doosan
Version:	V5.3

Engine type	System	Function					
		Version info	Read DTCs	Clear DTCs	Read data stream	Actuation test	Remarks (other functions)
Isuzu engine	4JB1	√	√	√	√	√	Functional test, injector data
	4JH1	√	√	√	√	√	Programming function

Remarks: √ means the system support this function - means not



FCAR F3 Diagnostic List (Note: for reference only)

Automaker:	FUWA
Version:	V5.3

System	System model	Function						Remarks (other functions)
		Version info	Read DTCs	History DTCs	Clear DTCs	Read data stream	Actuation test	
BOSCH common rail EDC16UC40	Static diagnostic data	√	√	—	√	—	—	Fuel balance match, read freeze frame
	Dynamic diagnostic data	√	—	—	—	√	√	Functional test
BOSCH common rail EDC7	Static diagnostic data	√	√	—	√	—	—	Troubleshooting guide, read freeze frame
	Dynamic diagnostic data	√	—	—	—	√	√	Functional test
DELPHI common rail system 12V	DELPHI common rail system 12V	√	√	—	√	√	√	Injector data, write VIN, leak test
	DELPHI common rail system Euro III	√	√	—	√	√	√	Injector data, write VIN, leak test
	E13CTJ Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting
	E13CTK Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting
	E13CTM Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting
	E13CTL Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting
	E13CTN Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting
	E13CTP Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting
	E13CTR Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting

E13CTS Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
E13CTT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
J08ETB Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
J08ETE Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
J08ETA Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test
J05DTA Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test
J05DTA Engine trial	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test
P11CUH Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
P11CUJ Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
E13CUN Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
E13CUR Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
E13CUK Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
E13CUL Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
E13CUP Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting

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J07ETB Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting
J05DTC Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting
E13CVT Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting
E13CUT Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting
J08ETN Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting
J08ETT Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting
J08ETL Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting
J08ETU Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting
E13CUU Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting
E13CUM Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting
E13CUS Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting
J08EUB Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting
J08EUA Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting

J08EUB Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
J08EUC Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
J08EUD Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
J08EUE Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
J05DTG Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
J05ETC Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
J05ETD Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
J08ETW Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
J08EUJ Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
J08ETV Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
J05DTF Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
E13CUY Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
P11CUR Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting

J08EUR Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
E13CVA Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
E13CVB Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
P11CUV Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
J08EUP Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
J08EUS Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
J08EUL Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
J08EUT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
J08EUU Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
J05ETF Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
E13CVC Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
Training Board	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting
A09C	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test
A09CTJ	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test

A09CTK	√	√	√	√	√	√	Read and write injector data, pressurization test
U2 Engine	√	√	√	√	-	-	-

Remarks: √ means the system supports this function - means not



FCAR F3 Diagnostic List (Note: for reference only)

Automaker:	HENGTE
Version:	V5.3

System	System model	Function						
		Version info	Read DTCs	History DTCs	Clear DTCs	Read data stream	Actuation test	Remarks (other functions)
BOSCH common rail EDC16UC40	Static diagnostic data	√	√	–	√	–	–	Fuel balance match, read freeze frame
	Dynamic diagnostic data	√	–	–	–	√	√	Functional test
BOSCH common rail EDC7	Static diagnostic data	√	√	–	√	–	–	Troubleshooting guide, read freeze frame
	Dynamic diagnostic data	√	–	–	–	√	√	Functional test
DELPHI common rail system	DELPHI common rail system 12V	√	√	–	√	√	√	Injector data, write VIN, leak test
	DELPHI common rail system Euro III	√	√	–	√	√	√	Injector data, write VIN, leak test
	E13CTJ Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
	E13CTK Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
	E13CTM Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
	E13CTL Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function

E13CTN Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CTP Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CTR Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CTS Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CTT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETB Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETE Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETA Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
J05DTA Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
J05DTA Engine trial	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function

P11CUH Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
P11CUJ Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUN Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUR Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUK Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUL Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUP Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J07ETB Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05DTC Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CVT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function

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E13CUT Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
J08ETN Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
J08ETT Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
J08ETL Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
J08ETU Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
E13CUU Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
E13CUM Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
E13CUS Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
J08EUB Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
J08EUA Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function

J08EUB Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUC Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUD Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUE Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05DTG Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05ETC Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05ETD Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETW Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUJ Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETV Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function

J05DTF Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUY Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
P11CUR Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUR Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CVA Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CVB Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
P11CUV Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUP Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUS Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUL Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function

J08EUT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUU Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05ETF Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CVC Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
Training Board	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
A09C	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
A09CTJ	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
A09CTK	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
U2 Engine	✓	✓	✓	✓	—	—	—

Remarks: ✓ means the system supports this function — means not

FCAR F3 Diagnostic list (note: for reference only)							Manufacturer:	Hitachi machinery
							Version:	V5.5
Function								
Model	System	Edition info.	Read DTC	Clear DTC	data strction tes	Remark (other function s)		
achi machin	Isuzu engine	√	√	√	√	√	-	
	Isuzu 4HK1 engine	√	√	√	√	√	Remark (other functions)	
	EPVC_medium sized	-	√	-	√	√	Read and write injector	

Remarks: √ means the system has the function - means not



FCAR F3 Diagnostic List

(Note: for reference only)

Automaker:	Hyundai
Version:	V5.3

Systems	System models	Functions						Remarks (other functions)
		Version info	Read DTCs	History DTCs	Clear DTCs	Read data stream	Actuation test	
BOSCH common rail EDC16UC40	Static diagnostic data	√	√	–	√	–	–	Fuel balance match, read freeze frame
	Dynamic diagnostic data	√	–	–	–	√	√	Functional test
BOSCH common rail EDC7	Static diagnostic data	√	√	–	√	–	–	Troubleshooting guide, read freeze frame
	Dynamic diagnostic data	√	–	–	–	√	√	Functional test
DELPHI common rail system	DELPHI common rail system 12V	√	√	–	√	√	√	Injector data, write VIN, leak test
	DELPHI common rail system Euro III	√	√	–	√	√	√	Injector data, write VIN, leak test
	E13CTJ Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
	E13CTK Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
	E13CTM Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
	E13CTL Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
	E13CTN Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
	E13CTP Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
	E13CTR Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function

E13CTS Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CTT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETB Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETE Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETA Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
J05DTA Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
J05DTA Engine trial	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
P11CUH Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
P11CUJ Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUN Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUR Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUK Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUL Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUP Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function

Hino Denso system (KWP communication)	J07ETB Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
	J05DTC Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
	E13CVT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
	E13CUT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
	J08ETN Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
	J08ETT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
	J08ETL Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
	J08ETU Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
	E13CUU Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
	E13CUM Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
	E13CUS Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
	J08EUB Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
	J08EUA Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function

J08EUB Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUC Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUD Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUE Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05DTG Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05ETC Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05ETD Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETW Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUJ Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETV Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05DTF Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUY Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
P11CUR Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function

J08EUR Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CVA Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CVB Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
P11CUV Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUP Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUS Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUL Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUU Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05ETF Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CVC Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
Training Board	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
A09C	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
A09CTJ	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function

A09CTK	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
U2 Engine	✓	✓	✓	✓	-	-	-

Remarks: ✓ means the system supports this function - means not



FCAR F3 Diagnostic List (Note: for reference only)

Automaker:	JCM
Version:	V5.3

Engine types	Systems	Systems	Functions						Remarks (other functions)
			Version info	Read DTCs	Clear DTCs	Read data stream	Actuation test	Read freeze frame	
Changchai engine	BOSCH common rail EDC16UC40	Static diagnostic data	✓	✓	✓	-	-	✓	Oil balance match
		Dynamic diagnostic data	✓	-	-	✓	✓	-	Functional test
	BOSCH common rail EDC7	Static diagnostic data	✓	✓	✓	-	-	✓	Troubleshooting guide
		Dynamic diagnostic data	✓	-	-	✓	✓	-	Functional test
	DELPHI common rail system 12V	DELPHI common rail system 12V	✓	✓	✓	✓	✓	-	Injectot test, write VIN, leak test
		DELPHI common rail system Euro III	✓	✓	✓	✓	✓	-	Injectot test, write VIN, leak test
	DELPHI unit pump system	DELPHI unit pump system	✓	✓	✓	✓	-	-	-
		DELPHI unit pump	-	✓	✓	✓	-	-	-
	WITT unit pump engine	WITT unit pump system (J1939)	-	✓	✓	✓	-	-	-
		WITT unit pump system (RS232)	-	✓	✓	✓	-	-	-
	Nanyue unit pump engine	Nanyue unit pump system (J1939)	-	✓	✓	✓	-	-	-
		Nanyue unit pump system R01 4 cyl	-	✓	✓	✓	-	-	-
		Nanyue unit pump system R01 6 cyl	-	✓	✓	✓	-	-	-
		Nanyue unit pump system R02	-	✓	✓	✓	-	-	-
Other engines	BOSCH common rail EDC16UC40	Static diagnostic data	✓	✓	✓	-	-	✓	Oil balance match
		Dynamic diagnostic data	✓	-	-	✓	✓	-	Functional test
	BOSCH common rail EDC7	Static diagnostic data	✓	✓	✓	-	-	✓	Troubleshooting guide
		Dynamic diagnostic data	✓	-	-	✓	✓	-	Functional test
	DELPHI common rail system 12V	DELPHI common rail system 12V	✓	✓	✓	✓	✓	-	Injectot test, write VIN, leak test
		DELPHI common rail system Euro III	✓	✓	✓	✓	✓	-	Injectot test, write VIN, leak test
	DELPHI unit pump	DELPHI unit pump system	✓	✓	✓	✓	-	-	-

Yuchai engine	system	DELPHI unit pump	-	✓	✓	✓	-	-	-
	WITT unit pump engine	WITT unit pump system (J1939)	-	✓	✓	✓	-	-	-
	Nanyue unit pump engine	WITT unit pump system (RS232)	-	✓	✓	✓	-	-	-
		Nanyue unit pump system (J1939)	-	✓	✓	✓	-	-	-
		Nanyue unit pump system R01 4 cyl	-	✓	✓	✓	-	-	-
		Nanyue unit pump system R01 6 cyl	-	✓	✓	✓	-	-	-
		Nanyue unit pump system R02	-	✓	✓	✓	-	-	-

Remarks: ✓ means the system supports this function - means not



FCAR F3 Diagnostic List (Note: for reference only)

Automaker: Jonyang
Version: V5.3

Systems	Systems	Systems	Functions					
			Read DTCs	History DTCs	Actuation test	Clear DTCs	Read data stream	Remarks (other functions)
CUMMINS engine	CUMMINS ISBe engine_24V		✓	✓	-	✓	✓	-
	CUMMINS ISDe engine_24V		✓	✓	-	✓	✓	-
	CUMMINS ISLe engine_24V		✓	✓	-	✓	✓	-
	CUMMINS ISMe engine_24V		✓	✓	-	✓	✓	-
	CUMMINS ISZe engine_24V		✓	✓	-	✓	✓	-
	CUMMINS ISBe type diesel engine	J1708 protocol diagnosis	✓	-	-	✓	✓	Read freeze frame, system ID and nameplate, driving information
		J1939 protocol diagnosis	✓	-	-	✓	✓	Version information,
	CUMMINS B5.9G type CNG engine		✓	-	-	✓	✓	Read freeze frame, system ID and nameplate, advanced ECM test
	CUMMINS ISBe4 type diesel engine	J1708 protocol diagnosis	✓	-	-	✓	✓	-
		J1939 protocol diagnosis	✓	-	-	✓	✓	-
	CUMMINS ISC/ISL type diesel engine	J1708 protocol diagnosis	✓	-	-	✓	✓	-
		J1939 protocol diagnosis	✓	✓	-	✓	✓	-
	CUMMINS ISDE type diesel engine		✓	✓	-	✓	-	Version information,
	CUMMINS ISLE type diesel engine		✓	-	✓	✓	✓	Service light reset
	CUMMINS ISF2.8/3.8 CM2220 engine system		✓	-	✓	✓	✓	Service light reset

Remarks: ✓ means the system supports this function - means not



FCAR F3 Diagnostic List

(Note: for reference only)

Manufacturer:	KATO Machinery
Version:	V5.1

vehicle Model	System	System type	Function						
			Version information	Read DTC	Historical DTC	Clear DTC	Read Data Stream	Actuation test	Remark (Other functions)
		E13CTJ Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
		E13CTK Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
		E13CTM Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
		E13CTL Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
		E13CTN Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function

E13CTP Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
E13CTR Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
E13CTS Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
E13CTT Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
J08ETB Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
J08ETE Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
J08ETA Engine	√	√	√	√	√	√	Read and Write injector data, Boost test function

J05DTA Engine	√	√	√	√	√	√	Read and Write injector data, Boost test function
J05DTA Engine trial	√	√	√	√	√	√	Read and Write injector data, Boost test function
P11CUH Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
P11CUJ Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
E13CUN Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
E13CUR Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
E13CUK Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function

							Read and Write injector data, Boost test and vehicle speed limit setting function
E13CUL Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
E13CUP Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
J07ETB Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
J05DTC Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
E13CVT Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
E13CUT Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function

	J08ETN Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
	J08ETT Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
	J08ETL Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
	J08ETU Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
	E13CUU Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
	E13CUM Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function

Engine system/VMID

KATO	Engine System(NWP communication)	E13CUS Engine	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
		J08EUB Engine	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
		J08EUA Engine	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
		J08EUB Engine	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
		J08EUC Engine	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
		J08EUD Engine	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function

	J08EUE Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
	J05DTG Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
	J05ETC Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
	J05ETD Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
	J08ETW Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
	J08EUJ Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function

	J08ETV Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
	J05DTF Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
	E13CUY Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
	P11CUR Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
	J08EUR Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
	E13CVA Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function

							Read and Write injector data, Boost test and vehicle speed limit setting function
E13CVB Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
P11CUV Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
J08EUP Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
J08EUS Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
J08EUL Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
J08EUT Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function

J08EUU Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
J05ETF Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
E13CVC Engine	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
Training Board	√	√	√	√	√	√	Read and Write injector data, Boost test and vehicle speed limit setting function
A09C	√	√	√	√	√	√	Read and Write injector data, Boost test function
A09CTJ	√	√	√	√	√	√	Read and Write injector data, Boost test function
A09CTK	√	√	√	√	√	√	Read and Write injector data, Boost test function
U2 Engine	√	√	√	√	-	-	-

Remarks: √ means the system has the function - means not



FCAR F3 Diagnostic List

(Note: for reference only)

Automaker:	KOBELCO
Version:	V5.3

Model	System	System Model	Function						Remarks (other functions)
			Version info	Read DTCs	History DTCs	Clear DTCs	Read data stream	Actuation test	
		E13CTJ Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CTK Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CTM Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CTL Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CTN Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CTP Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CTR Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CTS Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function

E13CTT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETB Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETE Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETA Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
J05DTA Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
J05DTA Engine trial	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
P11CUH Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
P11CUJ Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUN Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUR Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function

E13CUK Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUL Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUP Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J07ETB Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05DTC Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CVT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETN Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETL Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function

KOBELCO	Engine system (KWP communication)	J08ETU Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CUU Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CUM Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CUS Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		J08EUB Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		J08EUA Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		J08EUC Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		J08EUD Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		J08EUE Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		J05DTG Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function

J05ETC Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05ETD Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETW Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUJ Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETV Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05DTF Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUY Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
P11CUR Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUR Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CVA Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function

E13CVB Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
P11CUV Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUP Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUS Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUL Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUU Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05ETF Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CVC Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
Training Board	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function

A09C	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
A09CTJ	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
A09CTK	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
J05ETB Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
J05ETA Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
P11CUN Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
J08ETM Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
J05ETG Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
P11CUP Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
E13CUV Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
J08ETH Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
J08ETG Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
J08EUK Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function

	P11CUT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
	N04CUA Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
	J08EUM Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
	J05ETH Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
	J08EUN Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
	P11CUU Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function

Remarks: ✓ means the system supports this function - means not

	FCAR F3 Diagnostic List (Note: for reference only)						Automaker: KOMATSU	
							Version: V5.3	
Systems	Systems	Systems	Functions					
			Read DTCs	History DTCs	Actuation test	Clear DTCs	Read data stream	
CUMMINS engine	CUMMINS ISBe engine 24V		√	√	—	√	√	—
	CUMMINS ISDe engine 24V		√	√	—	√	√	—
	CUMMINS ISLe engine 24V		√	√	—	√	√	—
	CUMMINS ISMe engine 24V		√	√	—	√	√	—
	CUMMINS ISZe engine 24V		√	√	—	√	√	—
	CUMMINS ISBe type diesel engine	J1708 protocol diagnosis	√	—	—	√	√	Read freeze frame, system ID and nameplate, driving information
		J1939 protocol diagnosis	√	—	—	√	√	Version information, driving information
	CUMMINS B5.9G type CNG engine		√	—	—	√	√	Read freeze frame, system ID and nameplate, advanced ECM test
	CUMMINS ISBe4 type diesel engine	J1708 protocol diagnosis	√	—	—	√	√	—
		J1939 protocol diagnosis	√	—	—	√	√	—
	CUMMINS ISC/ISL type diesel engine	J1708 protocol diagnosis	√	—	—	√	√	—
		J1939 protocol diagnosis	√	√	—	√	√	—
	CUMMINS ISDE type diesel engine		√	√	—	√	—	Version information,
	CUMMINS ISLE type diesel engine		√	—	√	√	√	Service light reset
	CUMMINS ISF2.8/3.8 CM2220 engine system		√	—	√	√	√	Service light reset

Remarks: √ means the system supports this function — means not



FCAR F3 Diagnostic List (Note: for reference only)

Automaker:	LIEBHERR
Version:	V5.3

Engine type	System		Functions					
			Version info	Read DTCs	Clear DTCs	Read data stream	Actuation test	Remarks (other functions)
Engine system	BOSCH diesel EDC7	Static diagnostic data	√	√	√	–	–	Troubleshooting guide, read freeze frame
		Dynamic diagnostic data	√	–	–	√	√	Functional Test

Remarks: √ means the system supports this function – means not



FCAR F3 Diagnostic List (Note: for reference only)

Automaker: LISHIDE
 Version: V5.3

System	System	System	Functions					
			Read DTCs	History DTCs	Actuation test	Clear DTCs	Read data stream	Remarks (other functions)
CUMMINS engine	CUMMINS ISBe engine_24V		✓	✓	-	✓	✓	-
	CUMMINS ISDe engine_24V		✓	✓	-	✓	✓	-
	CUMMINS ISLe engine_24V		✓	✓	-	✓	✓	-
	CUMMINS ISMe engine_24V		✓	✓	-	✓	✓	-
	CUMMINS ISZe engine_24V		✓	✓	-	✓	✓	-
	CUMMINS ISBe type diesel engine	J1708 protocol diagnosis	✓	-	-	✓	✓	Read freeze frame, system ID and nameplate, driving information
		J1939 protocol diagnosis	✓	-	-	✓	✓	Version information, driving information
	CUMMINS B5.9G type CNG engine		✓	-	-	✓	✓	Read freeze frame, system ID and nameplate, advanced ECM test
	CUMMINS ISBe4 type diesel engine	J1708 protocol diagnosis	✓	-	-	✓	✓	-
		J1939 protocol diagnosis	✓	-	-	✓	✓	-
	CUMMINS ISC/ISL type diesel engine	J1708 protocol diagnosis	✓	-	-	✓	✓	-
		J1939 protocol diagnosis	✓	✓	-	✓	✓	-
	CUMMINS ISDE type diesel engine		✓	✓	-	✓	-	Version information,
	CUMMINS ISLE type diesel engine		✓	-	✓	✓	✓	Service light reset
	CUMMINS ISF2.8/3.8 CM2220 engine system		✓	-	✓	✓	✓	Service light reset
Isuzu engine	Isuzu 4JH1 diesel engine		✓	-	✓	✓	✓	Programming function, version information

Remarks: ✓ means the system supports this function - means not



FCAR F3 Diagnostic List (Note: for reference only)

Automaker:	LIUGONG
Version:	V5.3

Engine types	Systems	Systems	Functions						
			Version info	Rear DTCs	Clear DTCs	Read data stream	Actuation test	Read data stream	Remarks (other functions)
Weichai engine	BOSCH diesel EDC7	Static diagnostic data	√	√	√	–	–	√	Troubleshooting guide
		Dynamic diagnostic data	√	–	–	√	√	–	Functional test
Shangchai 8DK enigne	Shangchai DENSO common rail engine	DENSO common rail	√	√	√	√	√	√	QR code, write VIN, write EIN
Shangchai 5DK enigne	Shangchai DENSO common rail engine	DENSO common rail	√	√	√	√	√	√	QR code, write VIN, write EIN

Remarks: √ means the system has the function – means not



FCAR F3 Diagnostic List (Note: for reference only)

Automaker:	LONKING
Version:	V5.3

Engine types	Systems	Systems	Functions						
			Version info	Read DTCs	Clear DTCs	Read data stream	Actuation test	Read data stream	Remarks(other functions)
Weichai engine	BOSCH diesel EDC7	Static diagnostic data	√	√	√	-	-	√	Troubleshooting guide
		Dynamic diagnostic data	√	-	-	√	√	-	Functional test
Shangchai engine	Shangchai DENSO common rail engine	DENSO common rail	√	√	√	√	√	√	QR Code (4 cyl), QR Code (6 cyl)

Remarks: √ means the system supports this function - means not



FCAR F3 Diagnostic List (Note: for reference only)

Automaker:	LOVOL
Version:	V5.3

Engine type	System	System	Function						Remarks (other function)
			Version info	Read DTCs	Clear DTCs	Read data stream	Actuation test		
Perkins engine	BOSCH common rail EDC16UC40	Static diagnostic data	√	√	√	–	–	Fuel balance match, read freeze frame	
		Dynamic diagnostic	√	–	–	√	√	Functional test	

Remarks: √ means the system supports this function – means not

	FCAR F3 Diagnostic List (Note: for reference only)						Automaker: PENGPU	
							Version: V5.3	
Systems	Systems	Systems	Functions					
			Read DTCs	History DTCs	Actuation test	Clear DTCs	Read data stream	
CUMMINS engine	CUMMINS ISBe engine_24V		✓	✓	-	✓	✓	-
	CUMMINS ISDe engine_24V		✓	✓	-	✓	✓	-
	CUMMINS ISLe engine_24V		✓	✓	-	✓	✓	-
	CUMMINS ISMe engine_24V		✓	✓	-	✓	✓	-
	CUMMINS ISZe engine_24V		✓	✓	-	✓	✓	-
	CUMMINS ISBe type diesel engine	J1708 protocol diagnosis	✓	-	-	✓	✓	Read freeze frame, system ID and nameplate, driving information
		J1939 protocol diagnosis	✓	-	-	✓	✓	Version information,
	CUMMINS B5.9G type CNG engine		✓	-	-	✓	✓	Read freeze frame, system ID and nameplate, advanced ECM test
	CUMMINS ISBe4 type diesel engine	J1708 protocol diagnosis	✓	-	-	✓	✓	-
		J1939 protocol diagnosis	✓	-	-	✓	✓	-
	CUMMINS ISC/ISL type diesel engine	J1708 protocol diagnosis	✓	-	-	✓	✓	-
		J1939 protocol diagnosis	✓	✓	-	✓	✓	-
	CUMMINS ISDE type diesel engine		✓	✓	-	✓	-	Version information,
	CUMMINS ISLE type diesel engine		✓	-	✓	✓	✓	Service light reset
	CUMMINS ISF2.8/3.8 CM2220 engine system		✓	-	✓	✓	✓	Service light reset

Remarks: ✓ means the system supports this function - means not



FCAR F3 Diagnostic list

(Note: for reference only)

Manufacturer:	Sany
Version:	V5.1

Engine type	System	System	Function						
			Version info	Read DTC	Clear DTC	Read data structure	Read situation code	Read freeze frame	Remark (other functions)
Weichai BOSCH common rail	BOSCH EDC7C31 System	Static diagnostic data	√	√	√	-	-	√	Troubleshooting guide
		Dynamic diagnostic data	√	-	-	√	√	-	Function test
Shanghai DENSO common rail	DENSO common rail		√	√	√	√	√	-	QR code (4-cylinder), QR code (6-cylinder)
Diesel OBD	J1708 diagnostic protocol	Engine	-	√	√	√	-	-	-
		Transmission	-	√	√	√	-	-	-
		Brake	-	√	√	√	-	-	-
		Instrument panel	-	√	√	√	-	-	-
		Vehicle management	-	√	√	√	-	-	-
		Fuel system	-	√	√	√	-	-	-
		Cab climate	-	√	√	√	-	-	-
	J1939 diagnostic protocol	particulate	-	√	√	√	-	-	Read history DTC, clear history DTC

Remarks: √ means the system has the function - means not



FCAR F3 Diagnostic List (Note: for reference only)

Automaker:	Sumitomo
Version:	V5.2

Model	Engine type	System	Function					
			Version info.	Read DTC	Clear DTC	Read data stream	Action test	Remark (other functions)
Sumitomo	Isuzu engine	Isuzu 4JH1 diesel engine	√	√	√	√	√	Programming function
		Isuzu 4HK1 diesel engine	√	√	√	√	√	Read and write injector

Remarks: √ means the system has the function -means not

	FCAR F3 Diagnostic List (Note: for reference only)						Automaker:	Sunward
							Version:	V5.3
Systems	Systems	Systems	Functions					
			Read DTCs	History DTCs	Actuation test	Clear DTCs	Read data stream	Remarks (other functions)
CUMMINS engine	CUMMINS ISBe engine_24V		✓	✓	-	✓	✓	-
	CUMMINS ISDe engine_24V		✓	✓	-	✓	✓	-
	CUMMINS ISLe engine_24V		✓	✓	-	✓	✓	-
	CUMMINS ISMe engine_24V		✓	✓	-	✓	✓	-
	CUMMINS ISZe engine_24V		✓	✓	-	✓	✓	-
	CUMMINS ISBe type diesel engine	J1708 protocol diagnosis	✓	-	-	✓	✓	Read freeze frame, system ID and nameplate, driving information
		J1939 protocol diagnosis	✓	-	-	✓	✓	Version information, driving information
	CUMMINS B5.9G type CNG engine		✓	-	-	✓	✓	Read freeze frame, system ID and nameplate, advanced ECM test
	CUMMINS ISBe4 type diesel engine	J1708 protocol diagnosis	✓	-	-	✓	✓	-
		J1939 protocol diagnosis	✓	-	-	✓	✓	-
Perkins engine	CUMMINS ISC/ISL type diesel engine	J1708 protocol diagnosis	✓	-	-	✓	✓	-
		J1939 protocol diagnosis	✓	✓	-	✓	✓	-
	CUMMINS ISDE type diesel engine		✓	✓	-	✓	-	Version information,
			✓	-	✓	✓	✓	Service light reset
	CUMMINS ISLE type diesel engine		✓	-	✓	✓	✓	Service light reset
			✓	-	✓	✓	✓	Service light reset
	CUMMINS ISF2.8/3.8 CM2220 engine system		✓	-	✓	✓	✓	Read freeze frame, oil balance match, version information
			-	-	✓	-	✓	Functional test, version information

Remarks: ✓ means the system supports this function - means not



FCAR F3 Diagnostic List (Note: for reference only)

Automaker:	TAKEUCHI
Version:	V5.3

Model	System	System Model	Functions						Remarks (other functions)
			Version info	Read DTCs	History DTCs	Clear DTCs	Read data stream	Actuation test	
		E13CTJ Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CTK Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CTM Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CTL Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CTN Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CTP Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CTR Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function

E13CTS Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CTT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETB Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETE Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETA Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
J05DTA Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
J05DTA Engine trial	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test function
P11CUH Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
P11CUJ Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUN Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function

E13CUR Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUK Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUL Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUP Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J07ETB Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05DTC Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CVT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETN Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function

TAKEUCHI	Engine system (KWP communication)	J08ETL Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		J08ETU Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CUU Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CUM Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CUS Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		J08EUB Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		J08EUA Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		J08EUB Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		J08EUC Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		J08EUD Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function

J08EUE Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05DTG Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05ETC Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05ETD Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETW Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUJ Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETV Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05DTF Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUY Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
P11CUR Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function

J08EUR Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CVA Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CVB Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
P11CUV Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUP Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUS Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUL Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUU Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05ETF Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function

	E13CVC Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
	Training Board	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
	A09C	√	√	√	√	√	√	Read and write injector data, pressurization test function
	A09CTJ	√	√	√	√	√	√	Read and write injector data, pressurization test function
	A09CTK	√	√	√	√	√	√	Read and write injector data, pressurization test function
	U2 Engine	√	√	√	√	–	–	–

Remarks: √ means the system supports this function – means not



FCAR F3 Diagnostic List (Note: for reference only)

Automaker:	TEREX
Version:	V5.3

Systems	Systems	Systems	Functions					
			Read DTCs	History DTCs	Actuation test	Clear DTCs	Read data stream	Remarks (other functions)
CUMMINS engine	CUMMINS ISBe engine_24V		√	√	–	√	√	–
	CUMMINS ISDe engine_24V		√	√	–	√	√	–
	CUMMINS ISLe engine_24V		√	√	–	√	√	–
	CUMMINS ISMe engine_24V		√	√	–	√	√	–
	CUMMINS ISZe engine_24V		√	√	–	√	√	–
	CUMMINS ISBe type diesel engine	J1708 protocol diagnosis	√	–	–	√	√	Read freeze frame, system ID and nameplate, driving information
		J1939 protocol diagnosis	√	–	–	√	√	Version information, driving information
	CUMMINS B5.9G type CNG engine		√	–	–	√	√	Read freeze frame, system ID and nameplate, advanced ECM test
	CUMMINS ISBe4 type diesel engine	J1708 protocol diagnosis	√	–	–	√	√	–
		J1939 protocol diagnosis	√	–	–	√	√	–
	CUMMINS ISC/ISL type diesel engine	J1708 protocol diagnosis	√	–	–	√	√	–
		J1939 protocol diagnosis	√	√	–	√	√	–
	CUMMINS ISDE type diesel engine		√	√	–	√	–	Version information,
	CUMMINS ISLE type diesel engine		√	–	√	√	√	Service light reset
	CUMMINS ISF2.8/3.8 CM2220 engine system		√	–	√	√	√	Service light reset

Remarks: √ means the system supports this function – means not



FCAR F3 Diagnostic List (Note: for reference only)

Automaker:	XGMA
Version:	V5.3

Engine types	Systems	Systems	Functions						
			Version info	Read DTCs	Clear DTCs	Read data stream	Actuation test	Read freeze frame	Remarks (other functions)
Weichai engine	BOSCH diesel EDC7	Static diagnostic data	√	√	√	–	–	√	Troubleshooting guide
		Dynamic diagnostic data	√	–	–	√	√	–	Functional test
Shangchai engine	Shangchai DENSO common rail engine	DENSO common rail	√	√	√	√	√	√	QR Code (4 cyl), QR Code (6 cyl)

Remarks: √ means the system supports this function – means not



FCAR F3 Diagnostic List

(Note: for reference only)

Automaker:	XCMG
Version:	V5.3

System	System	System	Functions						
			Version info	Read DTCs	Clear DTCs	Read data stream	Actuation test	Read freeze frame	Remarks (other functions)
XCMG	Shangchai engine	Shangchai DENSO common rail engine	✓	✓	✓	✓	✓	✓	QR code (4 cyl), QR code (6 cyl)

Remarks: ✓ means the system supports this function - means not



FCAR F3 Diagnostic List

(Note: for reference only)

Automaker:	YANMAR
Version:	V5.3

Models	Systems	System Models	Functions						Remarks (other functions)
			Version info	Read DTCs	History DTCs	Clear DTCs	Read data stream	Actuation test	
		E13CTJ Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CTK Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CTM Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CTL Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CTN Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CTP Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CTR Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CTS Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function

E13CTT Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
J08ETB Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
J08ETE Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
J08ETA Engine	√	√	√	√	√	√	Read and write injector data, pressurization test function
J05DTA Engine	√	√	√	√	√	√	Read and write injector data, pressurization test function
J05DTA Engine trial	√	√	√	√	√	√	Read and write injector data, pressurization test function
P11CUH Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
P11CUJ Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
E13CUN Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
E13CUR Engine	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function

E13CUK Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUL Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUP Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J07ETB Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05DTC Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CVT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETN Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETL Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function

YANMAR	Engine system (KWP communication)	J08ETU Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CUU Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CUM Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		E13CUS Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		J08EUB Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		J08EUA Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		J08EUB Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		J08EUC Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		J08EUD Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
		J08EUE Engine	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function

J05DTG Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05ETC Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05ETD Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETW Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUJ Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08ETV Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05DTF Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CUY Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
P11CUR Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUR Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function

E13CVA Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CVB Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
P11CUV Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUP Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUS Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUL Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUT Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J08EUU Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
J05ETF Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function
E13CVC Engine	✓	✓	✓	✓	✓	✓	Read and write injector data, pressurization test and speed limit setting function

Training Board	√	√	√	√	√	√	Read and write injector data, pressurization test and speed limit setting function
A09C	√	√	√	√	√	√	Read and write injector data, pressurization test function
A09CTJ	√	√	√	√	√	√	Read and write injector data, pressurization test function
A09CTK	√	√	√	√	√	√	Read and write injector data, pressurization test function
U2 Engine	√	√	√	√	-	-	-

Remarks: √ means the system supports this function - means not



FCAR F3 Diagnostic List (Note: for reference only)

Automker:	YUTONG
Version:	V5.3

Systems	Systems	Systems	Systems	Functions						
				Version info	Read DTCs	Read history DTCs	Actuation test	Clear DTCs	Read data stream	Remarks (other functions)
YUTONG	Weichai engine	Static diagnostic data		√	√	-	-	√	-	Troubleshooting guide, read freeze frame
		Dynamic diagnostic data		√	-	-	√	-	√	Functional test
	CUMMINS engine	CUMMINS ISBe engine 24V		-	√	√	-	√	√	-
		CUMMINS ISDe engine 24V		-	√	√	-	√	√	-
		CUMMINS ISLe engine 24V		-	√	√	-	√	√	-
		CUMMINS ISMe engine 24V		-	√	√	-	√	√	-
		CUMMINS ISZe engine 24V		-	√	√	-	√	√	-
		CUMMINS ISBe type diesel engine	J1708 protocol diagnosis	-	√	-	-	√	√	Read freeze frame, system ID and nameplate, driving information
			J1939 protocol diagnosis	-	√	-	-	√	√	Version information, driving information
		CUMMINS B5.9G type CNG engine		-	√	-	-	√	√	Read freeze frame, system ID and nameplate, advanced ECM test
		CUMMINS ISBe4 type diesel engine	J1708 protocol diagnosis	-	√	-	-	√	√	-
			J1939 protocol diagnosis	-	√	-	-	√	√	-
		CUMMINS ISC/ISL type diesel engine	J1708 protocol diagnosis	-	√	-	-	√	√	-
			J1939 protocol diagnosis	-	√	√	-	√	√	-
	CUMMINS ISDE type diesel engine			-	√	√	-	√	-	Version information,
	CUMMINS ISLE type diesel engine			-	√	-	√	√	√	Service light reset
	CUMMINS ISF2.8/3.8 CM2220 engine system			-	√	-	√	√	√	Service light reset

Remarks: √ means the system supports this function - means not



FCAR F3 Diagnostic List

(Note: for reference only)

Automaker:	YUCHAI
Version:	V5.3

Systems	Systems	Systems	Functions						
			Version info	Read DTCs	Clear DTCs	Read data stream	Actuation test	Read freeze frame	Remarks (other functions)
YUCHAI	BOSCH common rail EDC16UC40	Static diagnosis	✓	✓	✓	-	✓	✓	Oil balance match
		Dynamic diagnosis	✓	-	-	✓	✓	-	Functional test
	BOSCH common rail EDC7	Static diagnosis	✓	✓	✓	-	✓	✓	Troubleshooting guide
		Dynamic diagnosis	✓	-	-	✓	✓	-	Functional test
	DELPHI common rail system 12V	DELPHI common rail system 12V	✓	✓	✓	✓	✓	-	Injectot test, write VIN, leak test
		DELPHI common rail system Euro III	✓	✓	✓	✓	✓	-	Injectot test, write VIN, leak test
	DELPHI unit pump system	DELPHI unit pump system	✓	✓	✓	✓	-	-	-
		DELPHI unit pump	-	✓	✓	✓	-	-	-
	BOSCH_EOL version		✓	✓	✓	✓	-	-	Cylinder off function
	Witt unit pump engine	Witt unit pump system (RS232) (for YUCHAI only)	-	✓	✓	✓	-	-	-
		Witt unit pump system (J1939)	-	✓	✓	✓	-	-	-
		Witt unit pump system (RS232)	-	✓	✓	✓	-	-	-
	Nanyue unit pump engine	Nanyue unit pump system (J1939)	-	✓	✓	✓	-	-	-
		Nanyue unit pump system R01 4 cyl	-	✓	✓	✓	-	-	-
		Nanyue unit pump system R01 6 cyl	-	✓	✓	✓	-	-	-
		Nanyue unit pump system R02	-	✓	✓	✓	-	-	-
	Yuchai SCR system		-	✓	✓	✓	✓	-	-
	Manual operation	BOSCH common rail system idle fine-tuning function instructions	-	-	-	-	-	-	-
		Witt flash code query	-	-	-	-	-	-	-

Remarks: ✓ means the system supports this function - means not



FCAR F3 Diagnostic List (Note: for reference only)

Automaker:	YUCHAI
Version:	V5.3

Systems	Systems	Systems	Functions						
			Version info	Read DTCs	Clear DTCs	Read data stream	Actuation test	Read freeze frame	Remarks (other functions)
YUCHAI	BOSCH common rail EDC16UC40	Static diagnosis	√	√	√	-	√	√	Oil balance match
		Dynamic diagnosis	√	-	-	√	√	-	Functional test
	BOSCH common rail EDC7	Static diagnosis	√	√	√	-	√	√	Troubleshooting guide
		Dynamic diagnosis	√	-	-	√	√	-	Functional test
	DELPHI common rail system 12V	DELPHI common rail system 12V	√	√	√	√	√	-	Injectot test, write VIN, leak test
		DELPHI common rail system Euro III	√	√	√	√	√	-	Injectot test, write VIN, leak test
	DELPHI unit pump system	DELPHI unit pump system	√	√	√	√	-	-	-
		DELPHI unit pump	-	√	√	√	-	-	-
	BOSCH_EOL version		√	√	√	√	-	-	Cylinder off function
	Witt unit pump engine	Witt unit pump system (RS232) (for YUCHAI only)	-	√	√	√	-	-	-
		Witt unit pump system (J1939)	-	√	√	√	-	-	-
		Witt unit pump system (RS232)	-	√	√	√	-	-	-
	Nanyue unit pump engine	Nanyue unit pump system (J1939)	-	√	√	√	-	-	-
		Nanyue unit pump system R01 4 cyl	-	√	√	√	-	-	-
		Nanyue unit pump system R01 6 cyl	-	√	√	√	-	-	-
		Nanyue unit pump system R02	-	√	√	√	-	-	-
	Yuchai SCR system		-	√	√	√	√	-	-
	Manual operation	BOSCH common rail system idle fine-tuning function instructions	-	-	-	-	-	-	-
		Witt flash code query	-	-	-	-	-	-	-

Remarks: √ means the system supports this function - means not

FCAR F3 Diagnostic List (Note: for reference only)		Automaker: ZHONGLIAN						
		Version: V5.3						
Systems	Systems	Systems	Function					
			Read DTCs	History DTCs	Actuation test	Clear DTCs	Read data stream	Remarks (other functions)
CUMMINS engine	CUMMINS ISBe engine_24V		√	√	-	√	√	-
	CUMMINS ISDe engine_24V		√	√	-	√	√	-
	CUMMINS ISLe engine_24V		√	√	-	√	√	-
	CUMMINS ISMe engine_24V		√	√	-	√	√	-
	CUMMINS ISZe engine_24V		√	√	-	√	√	-
	CUMMINS ISBe type diesel engine	J1708 protocol diagnosis	√	-	-	√	√	Read freeze frame, system ID and nameplate, driving information
		J1939 protocol diagnosis	√	-	-	√	√	Version information, driving information
	CUMMINS B5.9G type CNG engine		√	-	-	√	√	Read freeze frame, system ID and nameplate, advanced ECM test
	CUMMINS ISBe4 type diesel engine	J1708 protocol diagnosis	√	-	-	√	√	-
		J1939 protocol diagnosis	√	-	-	√	√	-
	CUMMINS ISC/ISL type diesel engine	J1708 protocol diagnosis	√	-	-	√	√	-
		J1939 protocol diagnosis	√	√	-	√	√	-
	CUMMINS ISDE type diesel engine		√	√	-	√	-	Version information,
	CUMMINS ISLE type diesel engine		√	-	√	√	√	Service light reset
	CUMMINS ISF2.8/3.8 CM2220 engine system		√	-	√	√	√	Service light reset

Remarks: √ means the system supports this function - means not

	FCAR F3 Diagnostic List (Note: for reference only)						Automaker: ZOMLION
							Version: V5.3
Systems	Systems	Systems	Functions				
			Read DTCs	History DTCs	Clear DTCs	Read data stream	Actuation test
CUMMINS engine	CUMMINS ISBe engine_24V		√	√	√	√	—
	CUMMINS ISDe engine_24V		√	√	√	√	—
	CUMMINS ISLe engine_24V		√	√	√	√	—
	CUMMINS ISMe engine_24V		√	√	√	√	—
	CUMMINS ISZe engine_24V		√	√	√	√	—
	CUMMINS ISBe type diesel engine	J1708 protocol diagnosis	√	—	√	√	—
		J1939 protocol diagnosis	√	—	√	√	—
	CUMMINS B5.9G type CNG engine		√	—	√	√	—
	CUMMINS ISBe4 type diesel engine	J1708 protocol diagnosis	√	—	√	√	—
		J1939 protocol diagnosis	√	—	√	√	—
	CUMMINS ISC/ISL type diesel engine	J1708 protocol diagnosis	√	—	√	√	—
		J1939 protocol diagnosis	√	√	√	√	—
	CUMMINS ISDE type diesel engine		√	√	√	—	—
	CUMMINS ISLE type diesel engine		√	—	√	√	√
	CUMMINS ISF2.8/3.8 CM2220 engine system		√	—	√	√	√
Isuze engine	4JH1		√	—	√	√	√

Weichai engine	BOSCH diesel	Static diagnostic data	√	-	√	-	-	Troubleshooting guide, read freeze frame, version information
		Dynamic diagnostic data	-	-	-	√	√	Functional testing, version information
Heavy truck Hangfa engine			√	√	√	√	√	Injector Data
Hino engine system	Engine system		√	√	√	√	√	Injector data, version information, pressurization test and speed limit setting function

Remarks: √ means the system supports this function - means not