

<b>FCAR</b> 爱夫卡	FCAR F3 Diagnostic List (Note: only for reference)							Automaker:	Ankai
								Version:	V5.4
Model	System	System	Function						
			version Info	Read DTC	Clear DTC	Read Data Stream	Acuation Test	Read Freeze Frame	Remark (Additional Function)
Ankai	Xichai DENSO common rail		√	√	√	√	√	√	QR code, write VIN, write EIN
	Xichai 4DF3 engine		√	√	√	√	—	√	Funcition test, actuator control, modify electrical control system data
	BOSCH common rail_EDC16UC40	Static diagnosis data	√	√	√	—	—	√	Oil balance match
		Dynamic diagnosis data	√	—	—	√	√	—	Funcition test
	BOSCH common rail_EDC7UC31	Static diagnosis data	√	√	√	—	—	√	Troubleshooting guide
		Dynamic diagnosis data	√	—	—	√	√	—	Funcition test
	Nanyue unit pump engine	Nanyue unit pump system(J1939)	—	√	√	√	—	—	Read history DTC
		Nanyue unit pump system_R01 4 cylinders	—	√	√	√	—	—	—
		Nanyue unit pump system_R01 6 cylinders	—	√	√	√	—	—	—
		Nanyue unit pump system_R02	—	√	√	√	—	—	—

Remark: √ meas the system support this function — means not



## FCAR F3 Diagnosis list

Automaker:	beijing Bus
Software Version:	V5.5

Models	System	System	Function						
			Version info.	Readout DTC	History DTC	Clear DTC	Read Data	Activate Diagnosi	Others
BeiJing Bus	Iveco Dieselengine	Iveco DENOXTRONIC 2 engine	√	√	-	√	√	-	-
		Iveco EDC7UC31 diesel engine	√	√	-	√	√	-	-
		Iveco EDC7 diesel engine	√	√	-	√	√	√	-
		Iveco METAFUEL 3 natral gas engin	√	√	-	√	√	√	Readout freeze frame
	Commins engineSystem	ComminsISBe engine_24V	-	√	√	√	√	-	-
		ComminsISDe engine_24V	-	√	√	√	√	-	-
		ComminsISLe engine_24V	-	√	√	√	√	-	-
		ComminsISMe engine_24V	-	√	√	√	√	-	-
		ComminsISZe engine_24V	-	√	√	√	√	-	-
	DELPHI single-pump system	DELPHI single-pump system	√	√	-	√	√	-	-
		DELPHI Single-unit pump	-	√	-	√	√	-	-

Remarks: √ means the system has this function - means not supported at this moment.



## FCAR F3 Diagnosis list

Automaker:	BENZ diesel
Software Version:	V6.7

Model	Model	System	System	Function					
				Version info.	Readout DTC	Clear DTC	Read Data stream	Action test	Remark(other functions)
ACTROS WDB930.0 - 934.0(16 pin socket)			GM-Basic module	✓	✓	✓	✓	-	-
			MR- engine control	✓	✓	✓	✓	-	-
			INS-Dashboard	✓	✓	✓	✓	-	-
			BS-Brake control	✓	✓	✓	✓	-	-
			ZHE-Assit heater	✓	✓	✓	✓	-	-
			FM-Front module	✓	✓	✓	✓	-	-
			MSF-Switch panel	✓	✓	✓	✓	-	-
			MTCO-Conversion Tab	✓	✓	✓	✓	-	-
			GS-Gear Shift control	✓	✓	✓	✓	-	-
			FR-Drive control	✓	✓	✓	✓	-	-
			HM-Rear module	✓	✓	✓	✓	-	-
			TMF-Driver Door Module	✓	✓	✓	-	-	-
			ABA-Active Brake Assist	✓	✓	✓	✓	-	-
			DTC0-digital tachograph	✓	✓	✓	✓	-	-
			EHZ electro-hydraulic auxiliary steering	✓	✓	✓	✓	-	-
			BNT navigation or telephone operating unit	✓	✓	✓	✓	-	-
			BTS battery disconnect switch	✓	✓	✓	✓	-	-
			HPS hydraulic pneumatic shift	✓	✓	✓	✓	-	-
			PSM Parameterizable Special Module	✓	✓	✓	✓	-	-

		RDK tire pressure control	✓	✓	✓	✓	-	-
		SPA Lane Assistant	✓	✓	✓	✓	✓	-
		Steering wheel angle sensor	✓	✓	✓	✓	-	-
		WS Maintenance System	✓	✓	✓	✓	-	-
		WSK torque converter clutch or TK turbo clutch	✓	✓	✓	✓	-	-
ACTROS		ZDS Central data memory	✓	✓	✓	✓	-	-
		FLA flame starting system	✓	✓	✓	✓	-	-
		GM-Basic module	✓	✓	✓	✓	-	-
		MR- engine control	✓	✓	✓	✓	-	-
		INS-Dashboard	✓	✓	✓	✓	-	-
		BS-Brake control	✓	✓	✓	✓	-	-
		ZHE-Assit heater	✓	✓	✓	✓	-	-
		FM-Front module	✓	✓	✓	✓	-	-
		MSF-Switch panel	✓	✓	✓	✓	-	-
		MTCO-Conversion Tab	✓	✓	✓	✓	-	-
		GS-Gear Shift control	✓	✓	✓	✓	-	-
		FR-Drive control	✓	✓	✓	✓	-	-
		HM-Rear module	✓	✓	✓	✓	-	-
		TMF-Driver Door Module	✓	✓	✓	-	-	-
		ABA-Active Brake Assist	✓	✓	✓	✓	-	-
		DTCO-digital tachograph	✓	✓	✓	✓	-	-
BENZ Diesel		EHZ electro-hydraulic auxiliary steering	✓	✓	✓	✓	-	-
		BNT navigation or telephone operating unit	✓	✓	✓	✓	-	-

	ACTROS WDB950.0 - 954.0(14 pin socket)	BTS battery disconnect switch	✓	✓	✓	✓	-	-
		HPS hydraulic pneumatic shift	✓	✓	✓	✓	-	-
		PSM Parameterizable Special Module	✓	✓	✓	✓	-	-
		RDK tire pressure control	✓	✓	✓	✓	-	-
		SPA Lane Assistant	✓	✓	✓	✓	✓	-
		Steering wheel angle sensor	✓	✓	✓	✓	-	-
		WS Maintenance System	✓	✓	✓	✓	-	-
		WSK torque converter clutch or TK turbo clutch	✓	✓	✓	✓	-	-
		ZDS Central data memory	✓	✓	✓	✓	-	-
		FLA flame starting system	✓	✓	✓	✓	-	-
ACTROS MP II	ACTROS MP II WDB930.0 - 934.0(16 pin socket)	VDO FR-Drive control vehicle-engineECU	✓	✓	✓	-	-	-
		FM-Front module	✓	✓	✓	✓	-	-
		HM-Rear module	✓	✓	✓	✓	-	-
	ACTROS MP II WDB950.0 - 954.0(14 pin socket)	VDO FR-Drive control vehicle-engineECU	✓	✓	✓	-	-	-
		FM-Front module	✓	✓	✓	✓	-	-
		HM-Rear module	✓	✓	✓	✓	-	-
		MR engine control	✓	✓	✓	✓	✓	-
		PSM Parameterizable Special Module	✓	✓	✓	✓	-	-
		NR level control	✓	✓	✓	✓	✓	-

Atego	ATEGO WDB970 - 976, NAB374.4	INS Instrument	✓	✓	✓	✓	-	-
		FR drive control	✓	✓	✓	✓	✓	-
		ABS anti-lock braking system	✓	✓	✓	✓	✓	-
		FFB radio remote control	✓	✓	✓	✓	✓	-
		HPS hydraulic pneumatic shift	✓	✓	✓	✓	-	-
		ZV central locking system	✓	✓	✓	✓	-	-
		ANG Automatic transmission commercial vehicle	✓	✓	✓	✓	-	-
		SRS supplemental restraint system	✓	✓	✓	✓	-	-
ECONIC	ECONIC 957.5 - 957.6	MR engine control	✓	✓	✓	✓	-	-
		PSVI Parameterizable Special Module	✓	✓	✓	✓	-	-
		NR level control	✓	✓	✓	✓	✓	-
		INS Instrument	✓	✓	✓	✓	-	-
		FR drive control	✓	✓	✓	✓	✓	-
		ABS anti-lock braking system	✓	✓	✓	✓	✓	-
		WS Maintenance System	✓	✓	✓	✓	-	-
Vario 512	Vario 512 WDB930.0 - 934.0(16 pin socket)	ABS Bosch 5.3	✓		✓	-	-	-
		Bosch MR PF Pump(PLD/PLN injection system)	✓	✓	✓	-	-	-

Remarks: ✓ means the system has this function - means not supported at this moment.



## FCAR F3 Diagnostic List (Note: for reference only )

Automaker: Bqfoton  
Version: V7.1

Model	Model	System	System	System	System	Function								
						Version Info	Read DTC	Clear DTC	Read data Stream	Actuation test	Remark (other functions)			
EURO IV Passenger Car				BOSCH EDC7 engine	Static diagnostic data	✓	✓	✓	—	—	Troubleshooting guide, Read freeze frame			
					Dynamic diagnostic data	✓	—	—	✓	✓	Function test			
SAP	Engine	491 gasoline engine	UMC system	M797.1	—	✓	✓	✓	✓	✓	Parameter adjustment			
				Motorola EFI system	—	✓	✓	✓	✓	✓	—			
			Marelli single point injection system	—	✓	✓	✓	✓	—	—	Actuator test			
			Delphi system	MT20U	—	✓	✓	✓	✓	✓	—			
				MT20U(new version)	✓	✓	✓	✓	✓	✓	—			
				MT20U2	✓	✓	✓	✓	✓	✓	Read history DTC, specific function			
				MT22U	✓	✓	✓	✓	✓	✓	Read history DTC, specific function			
		Fukang engine	Cummins ISMe engine 24V	—	✓	✓	✓	✓	—	—	Read history DTC			
			Cummins ISBe4 diesel engine	—	✓	✓	✓	✓	—	—	—			
			Cummins ISF2.8/3.8 CM2220 engine system	—	✓	✓	✓	✓	✓	✓	Read history DTC, Service light reset			
		4JB1T diesel engine	Bosch EDC16C39 system self-identification (test version)	—	✓	✓	✓	✓	✓	✓	Function test, Match/set			
			Bosch diesel C/R system	EDC16C39	✓	✓	✓	✓	✓	✓	Engine, Injector			
				EDC17C55	✓	✓	✓	✓	—	—	—			
			Bosch diesel Country IV (EDC17-26E)	—	✓	✓	✓	✓	—	—	—			
			VE pump system	—	✓	✓	✓	✓	—	—	Read history DTC, Calibration function			
		4G69 gasoline engine	Delphi system	MT22. 1.1	✓	✓	✓	✓	✓	✓	Read history DTC, specific function			
		486 gasoline engine	MT788	—	✓	✓	✓	✓	✓	✓	Advanced function			
		ABS	VIE ABS	—	✓	✓	✓	✓	✓	✓	—			
		SRS	Jinheng SRS	—	✓	✓	✓	✓	✓	✓	specific function			

Pick up			Bosch EDC16C39 system self-identification (test version)		✓	✓	✓	✓	✓	Function test, Match/set
Conqueror	Engine	4JB1T diesel engine	Bosch diesel C/R system	EDC16C39	✓	✓	✓	✓	✓	Engine, injector
				EDC17C55	✓	✓	✓	✓	-	-
			Bosch diesel Country IV (EDC17-26E)		✓	✓	✓	✓	-	-
			VE pump system		-	✓	✓	✓	-	Read history DTC, Calibration function
			VIE ABS			✓	✓	✓	✓	-
Tun Land	Engine	4G69 gasoline engine	Delphi system	MT22. 1. 1	✓	✓	✓	✓	✓	Read history DTC, specific function
		486 supercharged engine	UMC system	MT788	✓	✓	✓	✓	✓	Advanced function
		486 Self-priming engine	UMC system	M780	-	✓	✓	✓	✓	Parameter adjustment
		Fukang engine	Cummins ISMe engine _24V		-	✓	✓	✓	-	Read history DTC
			Cummins ISBe4 diesel engine		-	✓	✓	✓	-	-
			Cummins ISF2.8/3.8 CM2220 engine system		-	✓	✓	✓	✓	Read history DTC, Service light reset
		ABS	Bosch ABS 8		✓	✓	✓	✓	✓	Matching set
		SRS	Continental Jinheng SRS		✓	✓	✓	✓	✓	Matching set
		Full-time 4WD	BorgWarner AWD		✓	✓	✓	✓	✓	Matching set
		Tire pressure	Xiamen TungThih TPMS		✓	✓	✓	✓	-	-
		Body	Atech BCM		✓	✓	✓	✓	✓	-
		Instrument	Continental instrument		✓	-	-	✓	✓	specific function
Yusheng	Engine	4G69 gasoline engine	Delphi system	MT22. 1. 1	✓	✓	✓	✓	✓	Read history DTC
U201	Engine	4G69 gasoline engine	Delphi system	MT22. 1. 1	✓	✓	✓	✓	✓	Read history DTC, specific function
		4G69 supercharged engine	UMC system	MT788	✓	✓	✓	✓	✓	Advanced function
		486 self-priming engine	UMC system	M780	-	✓	✓	✓	✓	Parameter adjustment
		Fukang engine	Cummins ISMe engine _24V		-	✓	✓	✓	-	Read history DTC
			Cummins ISBe4 diesel engine		-	✓	✓	✓	-	-

		Cummins ISF2.8/3.8 CM2220engine system		-	✓	✓	✓	✓	Read history DTC, Service light reset	
SUV	Legend	491 gasoline engine	UMC system	M797. 1	-	✓	✓	✓	Parameter adjustment	
			Motorola EFI system		-	✓	✓	✓	-	
			Maralli EFI system		-	✓	✓	✓	Actuator test	
			Delphi system	MT20U	-	✓	✓	✓	-	
				MT20U(new version)	✓	✓	✓	✓		
				MT20U2	✓	✓	✓	✓	Read history DTC, specific function	
				MT22U	✓	✓	✓	✓	Read history DTC, specific function	
			4G63 gasoline engine	MT20U	-	✓	✓	✓	-	
			4G64 gasoline engine	MT20U(new version)	✓	✓	✓	✓		
			Delphi system	MT20U2	✓	✓	✓	✓	Read history DTC, specific function	
				MT22U	✓	✓	✓	✓	Read history DTC, specific function	
		4JB1T diesel engine	Bosch EDC16C39 system self-identification (test version)		✓	✓	✓	✓	Function test, Match/set	
			Bosch diesel C/R system	EDC16C39	✓	✓	✓	✓	Engine, injector test	
				EDC17C55	✓	✓	✓	✓	-	
			Bosch diesel Country IV (EDC17-26E)		✓	✓	✓	✓	-	
			VE pump system		-	✓	✓	✓	Read history DTC, Calibration function	
MP-X	Engine	486 gasoline engine	486 gasoline engine	UMC system	M780	-	✓	✓	✓	Parameter adjustment
			Fukang engine	Cummins ISMe engine _24V		-	✓	✓	✓	Read history DTC
				Cummins ISBe4 diesel engine		-	✓	✓	✓	-
				Cummins ISF2.8/3.8 CM2220engine system		-	✓	✓	✓	Read history DTC, Service light reset
		4G63 gasoline engine/4G64 gasoline engine	4G63/4G64 delphi engine	MT20U2	✓	✓	✓	✓	✓	Read history DTC, CKP learning
				MT22U	✓	✓	✓	✓	✓	Read history DTC
		4G64 diesel engine	Bosch EDC16C39 system self-identification (test version)		✓	✓	✓	✓	✓	Function test, Match/set
			Bosch diesel C/R system	EDC16C39	✓	✓	✓	✓	✓	Engine, injector test
				EDC17C55	✓	✓	✓	✓	-	-

Light-duty bus	K1(large VAN)	Engine	Bosch diesel Country IV (EDC17-26E)		✓	✓	✓	✓	-	-		
			VE pump system		-	✓	✓	✓	-	Read history DTC, Calibration function		
			SRS	JoyLong		-	✓	✓	✓	-		
			ABS	SABS MK20		-	✓	✓	✓	-		
				Asia-pacific ABS VER2		-	✓	✓	✓	-		
			4G69 gasoline engine	4G69 gasoline engine	Delphi system	MT22.1.1	✓	✓	✓	✓	Read history DTC, specific function	
				4G69 supercharged engine	UMC system	MT788	✓	✓	✓	✓	Advanced function	
				486 self-priming engine	UMC system	M780	-	✓	✓	✓	Parameter adjustment	
				4G64 diesel engine	Bosch EDC16C39 system self-identification (test version)		✓	✓	✓	✓	Function test, Match/set	
					Bosch diesel C/R system	EDC16C39	✓	✓	✓	✓	Engine, injector	
						EDC17C55	✓	✓	✓	-	-	
					Bosch diesel Country IV (EDC17-26E)		✓	✓	✓	-	-	
					VE pump system		-	✓	✓	-	Read history DTC, Calibration function	
			Fukang engine	Cummins ISMe engine _24V			-	✓	✓	-	Read history DTC	
				Cummins ISBe4 diesel engine			-	✓	✓	-	-	
				Cummins ISF2.8/3.8 CM2220engine system			-	✓	✓	✓	Read history DTC, Service light reset	
				SRS	Jinheng SRS		✓	✓	✓	-	Read history DTC	
Landscape	Engine	486 gasoline engine	486 gasoline engine	UMC system	M780	-	✓	✓	✓	✓	Parameter adjustment	
			491 gasoline engine	UMC system	M797.1	-	✓	✓	✓	✓	Parameter adjustment	
				Motorola EFI system		-	✓	✓	✓	-		
				Marelli single point EFI system		-	✓	✓	✓	Actuator test		
				MT20U	-	✓	✓	✓	✓	-		
				Delphi system		MT20U(new version)	✓	✓	✓	✓	✓	
						MT20U2	✓	✓	✓	✓	✓	Read history DTC, specific function
						MT22U	✓	✓	✓	✓	✓	Read history DTC, specific function

		4G64 diesel engine	Bosch EDC16C39 system self-identification (test version)		✓	✓	✓	✓	✓	Function test, Match/set
			Bosch diesel C/R system	EDC16C39	✓	✓	✓	✓	✓	Engine, Injector
				EDC17C55	✓	✓	✓	✓	-	-
			Bosch diesel Country IV (EDC17-26E)		✓	✓	✓	✓	-	-
			VE pump system		-	✓	✓	✓	-	Read history DTC, Calibration function
SRS	JoyLong				-	✓	✓	✓	-	-
Aumark	Engine	491 gasoline engine	Delphi system	MT20U	-	✓	✓	✓	✓	-
				MT20U(new version)	✓	✓	✓	✓	✓	
				MT20U2	✓	✓	✓	✓	✓	Read history DTC, specific function
				MT22U	✓	✓	✓	✓	✓	Read history DTC, specific function
			Motorola EFI system		-	✓	✓	✓	✓	-
		Fukang engine	Cummins ISMe engine _24V		-	✓	✓	✓	-	Read history DTC
			Cummins ISBe4 diesel engine		-	✓	✓	✓	-	-
			Cummins ISF2.8/3.8 CM2220engine system		-	✓	✓	✓	✓	Read history DTC, Service light reset
		4G64 diesel engine	Bosch EDC16C39 system self-identification (test version)		✓	✓	✓	✓	✓	Function test, Match/set
			Bosch diesel C/R system	EDC16C39	✓	✓	✓	✓	✓	Engine, Injector
				EDC17C55	✓	✓	✓	✓	-	-
			Bosch diesel Country IV (EDC17-26E)		✓	✓	✓	✓	-	-
			VE pump system		-	✓	✓	✓	-	Read history DTC, Calibration function
		Perkins engine	Bosch diesel C/R system	EDC7UC31	✓	✓	✓	✓	✓	Function test, Read freeze frame
				EDC17CV54(CAN bus)	✓	✓	✓	✓	-	-
				Bosch EDC17CV44(K line)	✓	✓	✓	✓	-	-
			Wit unit pump system	Wit unit pump system (RS232) (Yuchai special)	-	✓	✓	✓	-	-
				Wit unit pump system (J1939)	-	✓	✓	✓	-	Read history DTC
				Wit unit pump system (RS232)	-	✓	✓	✓	-	-
			Nanyue unit pump system	Nanyue unit pump system (J1939)	-	✓	✓	✓	-	Read history DTC
				Nanyue unit pump system _R01 4 cyl	-	✓	✓	✓	-	-

			Nanyue unit pump system _R01 6 cyl	-	✓	✓	✓	-	-
			Nanyue unit pump system _R02	-	✓	✓	✓	-	-
		Chuangyujie CNG system			✓	✓	✓	✓	-
ABS	WABCO ABS (air brake mideals)_K08 version			-	✓	✓	✓	✓	-
					✓	✓	✓	✓	-
				-	✓	✓	✓	✓	-
491 gasoline engine	Delphi system	MT20U		-	✓	✓	✓	✓	-
		MT20U (new version)		✓	✓	✓	✓	✓	
		MT20U2		✓	✓	✓	✓	✓	Read history DTC, specific function
		MT22U		✓	✓	✓	✓	✓	Read history DTC, specific function
	Motorola EFI system			-	✓	✓	✓	✓	-
					✓	✓	✓	✓	Function test, Match/set
		Bosch EDC16C39 system self-identification (test version)			✓	✓	✓	✓	Engine, injector
					✓	✓	✓	✓	Match
	4G64 diesel engine	Bosch diesel C/R system	EDC16C39	✓	✓	✓	✓	✓	
			EDC17C55	✓	✓	✓	✓	-	-
		Bosch diesel Country IV (EDC17-26E)			✓	✓	✓	✓	-
	Dachai engine	VE pump system		-	✓	✓	✓	-	Read history DTC, Calibration function
		Bosch diesel C/R system	EDC16C39	✓	✓	✓	✓	✓	engine test, injector data
			EDC17C55	✓	✓	✓	✓	-	-
Quchai engine	Bosch diesel C/R system		EDC16C39	✓	✓	✓	✓	✓	Function test, injector data, read data frame
		Nanyue unit pump system (J1939)		-	✓	✓	✓	-	Read history DTC
		Nanyue unit pump system _R01 4 cyl		-	✓	✓	✓	-	-
		Nanyue unit pump system _R01 6 cyl		-	✓	✓	✓	-	-
	VE pump system	Nanyue unit pump system _R02		-	✓	✓	✓	-	-
				-	✓	✓	✓	-	Read history DTC, Calibration function
	Bosch diesel C/R system	EDC16UC40		✓	✓	✓	✓	✓	Function test, Read freeze frame

01lin	Light duty truck	Engine	Xichai engine	Nanyue unit pump system	Nanyue unit pump system (J1939)	-	✓	✓	✓	-	Read history DTC
					Nanyue unit pump system _R01 4 cyl	-	✓	✓	✓	-	-
					Nanyue unit pump system _R01 6 cyl	-	✓	✓	✓	-	-
					Nanyue unit pump system _R02	-	✓	✓	✓	-	-
			Chaochai engine	Bosch diesel C/R system	EDC16UC40	✓	✓	✓	✓	✓	Function test, Read freeze frame
				VE pump system		-	✓	✓	✓	-	Read history DTC, Calibration function
			Yangchai engine	Bosch diesel C/R system	EDC16UC40	✓	✓	✓	✓	✓	Function test, Read freeze frame
				Delphi diesel C/R system		✓	✓	✓	✓	✓	-
			Yuchai engine	Bosch diesel C/R system	EDC7UC31	✓	✓	✓	✓	✓	Function test, Read freeze frame
				Wit unit pump system	Wit unit pump system (RS232) (Yuchai special)	-	✓	✓	✓	-	-
					Wit unit pump system (J1939)	-	✓	✓	✓	-	Read history DTC
					Wit unit pump system (RS232)	-	✓	✓	✓	-	-
			Perkins engine	Bosch diesel C/R system	EDC7UC31	✓	✓	✓	✓	✓	Function test, Read freeze frame
					EDC17CV54(CAN bus)	✓	✓	✓	✓	-	-
					Bosch EDC17CV44(K line)	✓	✓	✓	✓	-	-
				Wit unit pump system	Wit unit pump system (RS232) (Yuchai special)	-	✓	✓	✓	-	-
					Wit unit pump system (J1939)	-	✓	✓	✓	-	Read history DTC
					Wit unit pump system (RS232)	-	✓	✓	✓	-	-
				Nanyue unit pump system	Nanyue unit pump system (J1939)	-	✓	✓	✓	-	Read history DTC
					Nanyue unit pump system _R01 4 cyl	-	✓	✓	✓	-	-
					Nanyue unit pump system _R01 6 cyl	-	✓	✓	✓	-	-
					Nanyue unit pump system _R02	-	✓	✓	✓	-	-
					Chuangyijie CNG system		✓	✓	✓	✓	-
			4D20 engine	VE pump system		-	✓	✓	✓	-	Read history DTC, Calibration function
			Fukang engine	Cummins ISMe engine _24V		-	✓	✓	✓	-	Read history DTC
				Cummins ISBe4 diesel engine		-	✓	✓	✓	-	-
				Cummins ISF2.8/3.8 CM2220engine system		-	✓	✓	✓	✓	Read history DTC, Service light reset

		Yangchai VE pump engine			-	✓	✓	✓	-	Accelerator calibration control
ABS		WABCO ABS (air brake midels)_K08 version			-	✓	✓	✓	✓	-
		WABCO ABS_K12 version			✓	✓	✓	✓	✓	-
		WABCO ABS			-	✓	✓	✓	✓	-
		Liuji 465 gasoline engine	Delphi system	MT20U2	✓	✓	✓	✓	✓	Read history DTC, CKP learning
				MT22U	✓	✓	✓	✓	✓	Read history DTC
				Sunshine tektronix	-	✓	✓	✓	✓	-
		Huayuan Laidong diesel engine	EDC16C39		-	✓	✓	✓	✓	Function test, Injector data
				VE pump system	-	✓	✓	✓	-	Read history DTC, Calibration function
		Dongan Mitsubishi engine		M797. 1	-	✓	✓	✓	✓	Parameter adjustment
		Beiqi Foton Motor	491 gasoline engine (Delphi system )	MT20U	-	✓	✓	✓	✓	-
				MT20U(new version)	✓	✓	✓	✓	✓	
				MT20U2	✓	✓	✓	✓	✓	Read history DTC, specific function
				MT22U	✓	✓	✓	✓	✓	Read history DTC, specific function
		Dachai engine	4G64 diesel engine							
			486 gasoline engine							
			Bosch EDC16C39 system self-identification (test version)		✓	✓	✓	✓	✓	Function test, Match/set
			Bosch diesel C/R system	EDC16C39	✓	✓	✓	✓	✓	Engine, injector
				EDC17C55	✓	✓	✓	✓	-	-
			Bosch diesel Country IV (EDC17-26E)		✓	✓	✓	✓	-	-
			VE pump system		-	✓	✓	✓	-	Read history DTC, Calibration function
			Bosch diesel C/R system	EDC17C55(4D18E/4A1/4B1)	✓	✓	✓	✓	-	-
				EDC16C39	✓	✓	✓	✓	✓	Function test, injector data, read data frame
			Nanyue unit pump system (J1939)	-	✓	✓	✓	-		Read history DTC

Times	Engine	Quchai engine	Nanyue unit pump system	Nanyue unit pump system _R01 4 cyl	-	✓	✓	✓	-	-	
				Nanyue unit pump system _R01 6 cyl	-	✓	✓	✓	-	-	
				Nanyue unit pump system _R02	-	✓	✓	✓	-	-	
			VE pump system		-	✓	✓	✓	-	Read history DTC, Calibration function	
		Xichai engine	Bosch diesel C/R system	EDC16UC40	✓	✓	✓	✓	✓	Function test, Read freeze frame	
			Nanyue unit pump system	Nanyue unit pump system (J1939)	-	✓	✓	✓	-	Read history DTC	
				Nanyue unit pump system _R01 4 cyl	-	✓	✓	✓	-	-	
				Nanyue unit pump system _R01 6 cyl	-	✓	✓	✓	-	-	
		Chaochai engine	Nanyue unit pump system _R02	-	✓	✓	✓	-	-	-	
		Yuchai engine	Bosch diesel C/R system	EDC16UC40	✓	✓	✓	✓	✓	Function test, Read freeze frame	
			Bosch diesel C/R system	EDC7UC31	✓	✓	✓	✓	✓	Function test, Read freeze frame	
			Wit unit pump system	Wit unit pump system (RS232) (Yuchai special)	-	✓	✓	✓	-	-	
		Perkins engine		Wit unit pump system (J1939)	-	✓	✓	✓	-	Read history DTC	
				Wit unit pump system (RS232)	-	✓	✓	✓	-	-	
		Nanyue unit pump system	Nanyue unit pump system (J1939)	-	✓	✓	✓	-	Read history DTC		
			Nanyue unit pump system _R01 4 cyl	-	✓	✓	✓	-	-		
			Nanyue unit pump system _R01 6 cyl	-	✓	✓	✓	-	-		
			Nanyue unit pump system _R02	-	✓	✓	✓	-	-		
		Bosch diesel C/R system		EDC7UC31	✓	✓	✓	✓	✓	Function test, Read freeze frame	
				EDC17CV54(CAN bus)	✓	✓	✓	✓	-	-	
				Bosch EDC17CV44(K line)	✓	✓	✓	✓	-	-	
		Wit unit pump system		Wit unit pump system (RS232) (Yuchai special)	-	✓	✓	✓	-	-	
				Wit unit pump system (J1939)	-	✓	✓	✓	-	Read history DTC	
				Wit unit pump system (RS232)	-	✓	✓	✓	-	-	
		Nanyue unit pump system		Nanyue unit pump system (J1939)	-	✓	✓	✓	-	Read history DTC	
				Nanyue unit pump system _R01 4 cyl	-	✓	✓	✓	-	-	
				Nanyue unit pump system _R01 6 cyl	-	✓	✓	✓	-	-	

			Nanyue unit pump system _R02	-	✓	✓	✓	-	-
		Chuangyijie CNG system		-	✓	✓	✓	✓	-
Yangchai engine	Wit unit pump system	Wit unit pump system (RS232) (Yuchai special)	-	✓	✓	✓	-	-	
		Wit unit pump system (J1939)	-	✓	✓	✓	-		Read history DTC
		Wit unit pump system (RS232)	-	✓	✓	✓	-		-
	Bosch diesel C/R system	EDC17CV54(4DA2-40)	✓	✓	✓	✓	-		-
CF465-1AE	Wuhan Lin control electronic control			✓	✓	✓	✓	-	-
	Cummins ISMe engine _24V		-	✓	✓	✓	-		Read history DTC
	Cummins ISBe4 diesel engine		-	✓	✓	✓	-		-
Fukang engine	Cummins ISF2.8/3.8 CM2220engine system		-	✓	✓	✓	✓		Read history DTC, Service light reset
	Yunnei engine	Bosch diesel Country IV (EDC17-26E)		✓	✓	✓	✓	-	-
		VE pump system	-	✓	✓	✓	-		Read history DTC, Calibration function
ABS	WABCO ABS(air brake midels)_K08 version			-	✓	✓	✓	✓	-
	WABCO ABS_K12 version			✓	✓	✓	✓	✓	-
	WABCO ABS			-	✓	✓	✓	✓	-
Light duty Boshi system				-	✓	✓	✓	✓	engine test, injector data
Weichai engine	Shangchai engine	Shangchai engine		✓	✓	✓	✓	✓	Read freeze frame, QR code, electronic control system data modification
		WoodWard CNG system		✓	✓	✓	✓	-	-
	Weichai engine	Weichai Bosch EDC7UC31 self-identification (test version)		✓	✓	✓	✓	✓	Function test
		Bosch diesel C/R system	EDC7UC31	✓	✓	✓	✓	✓	Function test, Read freeze frame
		Bosch diesel C/R system CAN bus	Bosch EDC17CV44(K line)	✓	✓	✓	✓	✓	-
			EDC7UC31	-	✓	✓	✓	-	Read history DTC
		H3 body system		-	✓	-	-	-	-
		WoodWard CNG system		✓	✓	✓	✓	-	-

Auman heavy truck	Engine	Bosch EDC17CV44(K line)		✓	✓	✓	✓	✓	-
		Bosch diesel C/R system	EDC16UC40	✓	✓	✓	✓	✓	Function test, Read freeze frame
		Xichai engine	Nanyue unit pump system (J1939)	-	✓	✓	✓	-	Read history DTC
			Nanyue unit pump system _R01 4 cyl	-	✓	✓	✓	-	-
			Nanyue unit pump system _R01 6 cyl	-	✓	✓	✓	-	-
			Nanyue unit pump system _R02	-	✓	✓	✓	-	-
		Chaochai engine	Bosch diesel C/R system	EDC16UC40	✓	✓	✓	✓	Function test, Read freeze frame
		Yuchai engine	Bosch diesel C/R system	EDC7UC31	✓	✓	✓	✓	Function test, Read freeze frame
			Wit unit pump system (RS232) (Yuchai special)	-	✓	✓	✓	-	-
			Wit unit pump system (J1939)	-	✓	✓	✓	-	Read history DTC
			Wit unit pump system (RS232)	-	✓	✓	✓	-	-
			Nanyue unit pump system (J1939)	-	✓	✓	✓	-	Read history DTC
		Perkins engine	Nanyue unit pump system _R01 4 cyl	-	✓	✓	✓	-	-
			Nanyue unit pump system _R01 6 cyl	-	✓	✓	✓	-	-
			Nanyue unit pump system _R02	-	✓	✓	✓	-	-
			Bosch diesel C/R system	EDC7UC31	✓	✓	✓	✓	Function test, Read freeze frame
			EDC17CV54(CAN bus)	✓	✓	✓	✓	-	-
		Chuangyijie CNG system	Bosch EDC17CV44(K line)	✓	✓	✓	✓	-	-
			Wit unit pump system (RS232) (Yuchai special)	-	✓	✓	✓	-	-
			Wit unit pump system (J1939)	-	✓	✓	✓	-	Read history DTC
			Wit unit pump system (RS232)	-	✓	✓	✓	-	-
			Nanyue unit pump system (J1939)	-	✓	✓	✓	-	Read history DTC
		Cummins ISBe engine _24V	Nanyue unit pump system _R01 4 cyl	-	✓	✓	✓	-	-
			Nanyue unit pump system _R01 6 cyl	-	✓	✓	✓	-	-
			Nanyue unit pump system _R02	-	✓	✓	✓	-	-
		Cummins ISDe engine _24V		-	✓	✓	✓	✓	Read history DTC
				-	✓	✓	✓	-	Read history DTC

ORD			Cummins ISLe engine_24V	-	✓	✓	✓	-	Read history DTC	
			Cummins ISMe engine_24V	-	✓	✓	✓	-	Read history DTC	
			Cummins ISZe engine_24V	-	✓	✓	✓	-	Read history DTC	
			Cummins ISBe diesel engine	J1708 protocol diagnosis	✓	✓	✓	-	Read freeze frame, Driving information	
				J1939 protocol diagnosis	✓	✓	✓	-	Read freeze frame, Advanced ECM test	
			Cummins B5.9G CNG engine	-	✓	✓	✓	-	-	
			Cummins ISBe4 diesel engine	-	✓	✓	✓	-	-	
			Cummins ISC/ISL diesel engine	J1708 protocol diagnosis	-	✓	✓	✓	-	
				J1939 protocol diagnosis	-	✓	✓	✓	-	
			Cummins ISDE diesel engine	J1708 protocol diagnosis	-	✓	✓	✓	Read history DTC	
				J1939 protocol diagnosis	✓	✓	✓	✓	Read history DTC, Service light reset	
			Cummins ISLE diesel engine	-	✓	✓	✓	✓	Read history DTC, Service light reset	
			Cummins ISF2.8/3.8 CM2220 engine system	-	✓	✓	✓	✓	Read history DTC, Service light reset	
			Fukang engine	Cummins ISMe engine_24V	-	✓	✓	✓	-	Read history DTC
				Cummins ISBe4 diesel engine	-	✓	✓	✓	-	-
				Cummins ISF2.8/3.8 CM2220engine system	-	✓	✓	✓	✓	Read history DTC, Service light reset
			Yangchai engine	Bosch diesel C/R system	EDC17CV54(4DA2-40)	✓	✓	✓	-	-
				Wit unit pump system (RS232) (Yuchai special)	-	✓	✓	✓	-	-
				Wit unit pump system (J1939)	-	✓	✓	✓	-	Read history DTC
				Wit unit pump system (RS232)	-	✓	✓	✓	-	-
				WABCO ABS(air brake mideles)_K08 version	-	✓	✓	✓	✓	-
			ABS	WABCO ABS_K12 version	-	✓	✓	✓	✓	-
				WABCO ABS	-	✓	✓	✓	✓	-
				Delphi EOBD	-	✓	✓	✓	-	-
				UMC EOBD	-	✓	✓	✓	-	-
				Bosch EOBD	-	✓	✓	✓	-	-
				EOBD emission diagnosis (ISO15765 CAN)	-	✓	✓	✓	-	-

				Engine ECU(Delphi Euro III E OBD)	-	✓	✓	✓	✓	02 sensor EOL, CAT EOL, CKP learning
				Engine (UMC)	-	✓	✓	✓	✓	Parameter adjustment
				4JBIT engine(Bosch diesel)	✓	✓	✓	✓	✓	Engine, injector data
Construction vehicles	Times Kingkong	Quanchai engine	VE pump system		-	✓	✓	✓	-	Read history DTC, Calibration function
	Beijing Kingkong									
PU201	Engine system	UMC M7			✓	✓	✓	✓	✓	-
		UMC ME7			✓	✓	✓	✓	✓	-
	Body control system (ATECH)				✓	✓	✓	✓	✓	specific function
	SRS (Continental)				✓	✓	✓	✓	✓	ECU reset
H4	Engine system	Weichai Engine	Bosch EDC17CV44(K line)		✓	✓	✓	✓	✓	-
		Cummins diesel Engine	Cummins ISBe engine _24V		-	✓	✓	✓	-	Read history DTC
			Cummins ISDe engine 24V		-	✓	✓	✓	-	Read history DTC
			Cummins ISLe engine 24V		-	✓	✓	✓	-	Read history DTC
			Cummins ISMe engine 24V		-	✓	✓	✓	-	Read history DTC
			Cummins ISZe engine 24V		-	✓	✓	✓	-	Read history DTC
			Cummins ISBe diesel engine	J1708 protocol diagnosis	✓	✓	✓	✓	-	Read freeze frame, Driving information
				J1939 protocol diagnosis	✓	✓	✓	✓	-	Read freeze frame, Advanced ECM test
			Cummins B5.9G CNG system		-	✓	✓	✓	-	-
			Cummins ISBe4 diesel engine		-	✓	✓	✓	-	-
				J1708 protocol diagnosis	-	✓	✓	✓	-	-
			Cummins ISC/ISL diesel	J1939 protocol diagnosis	-	✓	✓	✓	-	-
				J1708 protocol diagnosis	-	✓	✓	✓	-	Read history DTC

		Cummins ISDE diesel engine	J1939 protocol diagnosis		✓	✓	✓	✓	✓	Read history DTC, Service light reset
		Cummins ISLE diesel engine			-	✓	✓	✓	✓	Read history DTC, Service light reset
		Cummins ISF2.8/3.8 CM2220 engine system			-	✓	✓	✓	✓	Read history DTC, Service light reset
	ABS	WABCO ABS_K12 version				✓	✓	✓	✓	-
	Body system	CBCU				✓	✓	✓	✓	specific function
Sedan	Midi	Engine	4G15 engine	UMC system	ME7 (MT)	✓	✓	✓	✓	-
				M797. 1(AT)						
			4G13 engine	UMC system	M797. 1	✓	✓	✓	✓	-
			4G18 engine	UMC system	M797. 1	✓	✓	✓	✓	-
			4A91 engine	UMC system	M780	✓	✓	✓	✓	-
			Yunnei D16 engine	Bosch diesel C/R system	EDC16C39	✓	✓	✓	✓	engine test, injector data
					EDC17C55	✓	✓	✓	✓	-
		SRS ABS A/T	JoyLong			-	✓	✓	✓	-
						✓	✓	✓	✓	-
						✓	✓	✓	✓	-
Ruiwo				Fast DTC(BOSCH)		-	✓	✓	-	-
				Weichai engine (BOSCH)		✓	✓	✓	✓	Function test, Read freeze frame
				Xichai engine (BOSCH)		✓	✓	✓	✓	Function test, Read freeze frame
				Yuchai engine (BOSCH)		✓	✓	✓	✓	Function test, Read freeze frame
				Shangchai engine		✓	✓	✓	✓	Read freeze frame, QR code, electronic control system data modification
				Cummins unit pump diesel engine		-	✓	✓	✓	engine test, injector data

Remarks: ✓ means the system support this function, - means not



## FCAR F3 Diagnostic List (Note: for reference only)

Automaker:	CNHTC
Version:	V6.9

Model	System	System	Function							Remarks (other functions)
			Version info	Read DTC	History DTC	Clear DTC	Read data stream	Actuation test		
Hangfa engine denso system (CAN)	DENSO(CAN)		-	√	√	√	√	√	Injector data	
EGR system	EGR system		√	-	-	-	√	-	Fault diagnosis, Motor testing, EGR test, Throttle sensor calibration, Pretravel sensor calibration, Clear sensor calibration content, ECU work status	
Wabco ABS	Wabco ABS		-	√	-	√	√	√	-	
HOWO	WD615 type_DENSO C/R_24V	DENSO(CAN)	-	√	√	√	√	√	Injector data	
	EGR system	EGR system	√	-	-	-	√	-	Fault diagnosis, Motor testing, EGR test, Throttle sensor calibration, Pretravel sensor calibration, Clear sensor calibration content, ECU work status	
	P11C type_Hino engine_24V	P11C type DENSO system	√	√	√	√	√	√	Injector data	
Steyr King	WD615 type_DENSO C/R_24V	DENSO(CAN)	-	√	√	√	√	√	Injector data	
	EGR system	EGR system	√	-	-	-	√	-	Fault diagnosis, Motor testing, EGR test, Throttle sensor calibration, Pretravel sensor calibration, Clear sensor calibration content, ECU work status	
	P11C type_Hino engine_24V	P11C type DENSO system	√	√	√	√	√	√	Injector data	
Gold Prince	WD615 type_DENSO C/R_24V	DENSO(CAN)	-	√	√	√	√	√	Injector data	
	EGR system	EGR system	√	-	-	-	√	-	Fault diagnosis, Motor testing, EGR test, Throttle sensor calibration, Pretravel sensor calibration, Clear sensor calibration content, ECU work status	
	P11C type_Hino engine_24V	P11C type DENSO system	√	√	√	√	√	√	Injector data	

	WD615 type_DENSO C/R_24V	DENSO(CAN)	–	✓	✓	✓	✓	✓	Injector data
HO JUN	EGR system	EGR system	✓	–	–	–	✓	–	Fault diagnosis, Motor testing, EGR test, Throttle sensor calibration, Pretravel sensor calibration, Clear sensor calibration content, ECU work status
	P11C type_Hino engine_24V	P11C type DENSO system	✓	✓	✓	✓	✓	✓	Injector data
	AMT system	AMT system	–	✓	–	✓	✓	✓	–
Hande ABS			–	✓	–	–	–	–	–
CBCU system	CBCU3 system		–	✓	–	✓	–	–	Odometer reading
	CBCU system		✓	✓	–	✓	–	–	Odometer reading
SCR system	SCR system		–	✓	–	✓	✓	–	–

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



# FCAR F3 Diagnosis list

(Note: for reference only)

Automaker: Daf  
Version: V5.6

Model	System	System	System	Function					
				Version Info	Read DTC	Clear DTC	Read Data Stream	Acutaion Test	Remark (Other Functions)
CF 65	Brake	EBS	KOEO(engine off)	✓	✓	✓	✓	✓	-
			KOER(engine running)	✓	✓	✓	✓	-	-
	Instrument	DIP 4		✓	-	-	-	✓	-
	Gearbox	Astronic ZF	16-pin J1926	-	✓	✓	✓	✓	-
	Immobiliser	Central locking	CDS3	-	✓	✓	✓	-	-
CF 75	Diesel	AdBlue system	EAS/EAS2	✓	✓	✓	✓	-	-
		Engine control	KOEO(engine running)	✓	✓	✓	✓	-	-
			KOER(engine off)	✓	✓	✓	✓	✓	-
	Brake	EBS	KOEO(engine off)	✓	✓	✓	✓	✓	-
			KOER(engine running)	✓	✓	✓	✓	-	-
	Instrument	DIP 4		✓	-	-	-	✓	-
	Gearbox	Astronic ZF	16-pin J1926	-	✓	✓	✓	✓	-
	Immobiliser	Central locking	CDS3	-	✓	✓	✓	-	-
CF 85	Diesel	AdBlue system	EAS/EAS2	✓	✓	✓	✓	-	-
		Engine control	KOEO(engine running)	✓	✓	✓	✓	-	-
			KOER(engine off)	✓	✓	✓	✓	✓	-
	Brake	EBS	KOEO(engine off)	✓	✓	✓	✓	✓	-
			KOER(engine running)	✓	✓	✓	✓	-	-
	Instrument	DIP 4		✓	-	-	-	✓	-
	Gearbox	Astronic ZF	16-pin J1926	-	✓	✓	✓	✓	-
	Immobiliser	Central locking	CDS3	-	✓	✓	✓	-	-
LF 45	Multifunction	Air Suspension	ECAS WABCO 4	✓	✓	✓	✓	✓	-
	Instrument	DIP 4		✓	-	-	-	✓	-
	Immobiliser	Central locking	CDS3	-	✓	✓	✓	-	-

LF 55	Instrument	DIP 4		✓	-	-	-	✓	-
	Immobiliser	Central locking	CDS3	-	✓	✓	✓	-	-
CF 105	Diesel	AdBlue system	EAS/EAS2	✓	✓	✓	✓	-	-
		Engine control	KOEO(engine running)	✓	✓	✓	✓	-	-
			KOER(engine off)	✓	✓	✓	✓	✓	-
	Brake	EBS	KOEO(engine off)	✓	✓	✓	✓	✓	-
			KOER(engine running)	✓	✓	✓	✓	-	-
	Instrument	DIP 4		✓	-	-	-	✓	-
CF 95	Gearbox	Astronic ZF	16-pin J1926	-	✓	✓	✓	✓	-
	Immobiliser	Central locking	CDS3	-	✓	✓	✓	-	-
	Multifunction	Air Suspension	ECAS WABC0 4	✓	✓	✓	✓	✓	-
	Diesel	Engine control	MS6.2 Bosch	✓	✓	✓	✓	✓	-
	Brake	EBS	KOEO(engine off)	✓	✓	✓	✓	✓	-
			KOER(engine running)	✓	✓	✓	✓	-	-
Divide d by the system	Instrument	DIP 4		✓	-	-	-	✓	-
	Immobiliser	Central locking	CDS3	-	✓	✓	✓	-	-
	Vehicle control system	VIC		✓	✓	✓	✓	✓	Programming
		VIC2		✓	✓	✓	✓	✓	-
		BBM(Body Builer Module)		✓	✓	✓	✓	-	-
		SWS (SWITCHES, STEERING WHEEL)		-	✓	✓	✓	-	-
	Door control system			✓	✓	✓	✓	-	-
	Instrumentation system			✓	-	-	-	✓	-
	Brake system			✓	✓	✓	✓	✓	-
	Suspension system			✓	✓	✓	✓	✓	-
	Tachograph			✓	✓	✓	✓	-	-
	After treatment system	EAS-2		✓	✓	✓	✓	-	-

Communication system	Telephone interface		✓	✓	✓	✓	–	–
Security system	Immobiliser		✓	✓	✓	–	–	–
Engine system	UPEC		✓	✓	✓	✓	–	–
	DMCI		✓	✓	✓	✓	✓	–
	ECS-DC3		–	✓	✓	✓	–	–

Remark: ✓ means system support the function – means not.



## FCAR F3 Diagnosis list (Note: for reference only)

Automaker:	Demo
Version:	V5.3

Model	System	System	Function						
			Version Info	Read DTC	Clear DTC	Read Data Stream	Actuation Test	Read Freeze Frame	Remark (Other Functions)
Demo	Bosch System (BOSCH)	Static Diagnosis	√	√	√	–	–	√	Troubleshooting Guide
		Dynamic Diagnosis	√	–	–	√	√	–	Function Test
	Denso System (DENSO)	P11C type DENSO system	√	√	√	√	√	–	Injector Data, history DTC
	Delphi System (DELPHI)	DELPHI Common Rail Euro III	√	√	√	√	√	–	Injector Data, Write VIN, Leakage Test

Remark: √ means the system supports this function –means not.



## FCAR F3 Diagnostic List (Note: For reference only)

Automaket:	ERF
Version:	V5.0

Model	System	System	System	Function						Remark (other functions)
				Version info	Read DTC	Clear DTC	Data Situation	Freeze	if	
ECT	engine	360	EDC 7 BOSCH	-	✓	✓	✓	-	✓	-
			EDC 7C32 BOSCH	-	✓	✓	-	-	✓	-
		440	EDC 7 BOSCH	-	✓	✓	✓	-	✓	-
			EDC 7C32 BOSCH	-	✓	✓	-	-	✓	-
		480	EDC 7 BOSCH	-	✓	✓	✓	-	✓	-
			EDC 7C32 BOSCH	-	✓	✓	-	-	✓	-
	engine-Automobile		VDO FFR -engine (navigator)	-	✓	✓	✓	-	✓	-
	Instrument panel		Kienzle-Stoneridge	-	✓	✓	✓	-	✓	-
	Heating/Air conditioning		Behr/GKR air-Air conditioner	-	✓	✓	✓	-	✓	-
			Hydronic D5W, Eberspaecher	-	✓	✓	✓	-	✓	-
			Air Top 2000 OEM, Webasto	-	✓	✓	✓	-	✓	-
			Air Top 3500 ST, Webasto	-	✓	✓	✓	-	✓	-
			Thermo 50, Webasto	-	✓	✓	✓	-	✓	-
	EBS		Knorr EBS 4*2	-	✓	✓	✓	-	✓	-
			Knorr EBS 6*2(3rd middle)	-	✓	✓	✓	-	✓	-
			Knorr EBS 6*2(3rd dragging)	-	✓	✓	✓	-	✓	-
			Knorr EBS 6*4	-	✓	✓	✓	-	✓	-
			Knorr EBS 8*4	-	✓	✓	✓	-	✓	-
			Knorr EBS H88	-	✓	✓	✓	-	✓	-
			Knorr EBS H95	-	✓	✓	✓	-	✓	-

Remark: ✓ means the system has this function; - means not.



## FCAR F3 Diagnosis list

Automaker:	Freightliner
Software Version:	V6.3

Models	System	System	Function					
			Version info.	Readout DTC	History DTC	Clear DTC	Readout Data stream	Remark(other functions)
Freightliner	J1708 Diagnosis protocol		-	√	-	√	√	-
	J1939 Diagnosis protocol	engineSystem	-	√	√	√	√	-

Remarks: √ means the system has this function - means not supported at this moment.

		FCAR F3 Diagnosis list					Automaker:	Fuso
Models		System	Function					
			Version info.	Read DTC	Clear DTC	Data stream	Action test	Others
FUSO	Power transmission	Engine Systems	√	√	√	√	√	-
		Integrated control	√	√	√	√	√	-
		Transmission	√	√	√	√	-	-
		Integrated security system	√	√	√	√	-	-
		Motor control	√	√	√	√	-	-
		Battery control	√	√	√	√	-	-
		Airbag	√	√	√	√	-	-
		SCR	√	√	√	√	-	-
	Chassis	ABS	√	√	√	√	√	-
		Retarder	√	√	√	-	-	-
	Car body	Anti-theft system	√	√	√	√	√	-
		EZGO	√	√	√	-	-	-

Remarks: √ means the system has this function - means not supported at this moment.



FCAR F3 Diagnostic List (Note: Only for reference)

Automaker:	Great Wall
Version:	v6.8

Menu	System	Function						Remark (Additional Function)
		Version Info	Read DTC	Clear DTC	Read Data Stream	Actuation Test		
Diesel system	GW 2.8TC_BOSCH common rail	√	√	√	√	-	Some self identification systems have	
	BOSCH diesel engion EDC16C39	√	√	√	√	√	Injector data	
		-	-	-	-	-	Injector data	
	Great Wall bosch-edc16 diesel engion	-	√	√	√	√	engion test, Matching function	
	BOSCH Diesel Electronic fuel injection system	-	√	√	√	√	engion test	
	Changzhou DieselEngion system(4L88 engion EGR system)	-	√	-	√	-	Read system parameters; calibration	
	BOSCH V50Engion system	√	√	√	√	√	engion test, read freeze frame	
		UMC ME797	√	√	√	√	System Status; read freeze frame	
		SIEMENSEngion system	√	√	√	√	Activate anti-theft system	
		UMC start-stopEngion system	√	√	√	-	Disable automatic shutdown conditions, Read time	



FCAR F3 Diagnostic List (Note: Only for reference)

Automaker:	Great Wall
Version:	v6.8

Menu	System	Function					
		Version Info	Read DTC	Clear DTC	Read Data Stream	Actuation Test	Remark (Additional Function)
TENGYI C30	ABS	√	√	√	√	√	Exhaust mode
	AUTOLIV airbag-CH041	√	√	√	√	-	write VIN; write airbag part No.; write airbag function 1,2
	TIANHE ABS system	√	-	√	√	-	-
	Transmission system	√	-	√	√	-	-
	Anti-theft system	√	√	√	√	-	Security operation, key matching
DEER Pick-up truck	Engion system	JM491Q-ME	-	√	√	√	-
		Delphi ECU	√	√	√	√	System status
		UAES ECU	-	√	√	-	System parameters; Adaptive
		UAESII ECU	√	√	√	√	System status
		Aerospace Mitsubishi system-Delphi Euro3Engion system	√	√	√	√	System status; static actuation test ; dynamic



FCAR F3 Diagnostic List (Note: Only for reference)

Automaker:	Great Wall
Version:	v6.8

Menu	System	Function					
		Version Info	Read DTC	Clear DTC	Read Data Stream	Actuation Test	Remark (Additional Function)
DEER Small double	Engion system	Great Wall bosch-edc16 diesel engion	—	√	√	√	— component test; engion test; Matching function
		JM491Q-ME	—	√	√	√	—
		Delphi ECU	√	√	√	√	System status
		UAES ECU	—	√	√	—	System parameters; Adaptive
		UAESII ECU	√	√	√	√	System status
		Aerospace Mitsubishi system-Delphi Euro3Engion system	√	√	√	—	System status; static actuation test ; dynamic
DEER medium	Engion	Great Wall bosch-edc16 diesel engion	—	√	√	√	— component test; engion test; Matching function
		JM491Q-ME	—	√	√	√	—
		Delphi ECU	√	√	√	√	System status
		UAES ECU	—	√	√	—	System parameters; Adaptive



## FCAR F3 Diagnostic List (Note: Only for reference)

Automaker:	Great Wall
Version:	v6.8

Menu		System		Function					
				Version Info	Read DTC	Clear DTC	Read Data Stream	Actuation Test	Remark (Additional Function)
DEER Series	double	system	UAESII ECU	√	√	√	√	√	System status
			Aerospace Mitsubishi system-Delphi Euro3Engion system	√	√	√	√	—	System status; static actuation test ; dynamic
			Great Wall bosch-edc16 diesel engion	—	√	√	√	—	component test; engion test; Matching function
			JM491Q-ME	—	√	√	√	√	—
			Delphi ECU	√	√	√	√	√	System status
	DEER small single	Engion system	UAES ECU	—	√	√	—	—	System parameters; Adaptive
			UAESII ECU	√	√	√	√	√	System status
			Aerospace Mitsubishi system-Delphi Euro3Engion system	√	√	√	√	—	System status; static actuation test ; dynamic
			Great Wall bosch-edc16 diesel engion	—	√	√	√	—	component test; engion test; Matching function
			JM491Q-ME	—	√	√	√	√	—



FCAR F3 Diagnostic List (Note: Only for reference)

Automaker:	Great Wall
Version:	v6.8

Menu	System	Function						
		Version Info	Read DTC	Clear DTC	Read Data Stream	Actuation Test	Remark (Additional Function)	
DEER big single	Engion system	Delphi ECU	√	√	√	√	√	System status
		UAES ECU	—	√	√	—	—	System parameters; Adaptive
		UAESII ECU	√	√	√	√	√	System status
		Aerospace Mitsubishi system-Delphi Euro3Engion system	√	√	√	√	—	System status; static actuation test ; dynamic actuation test
		Great Wall bosch-edc16 diesel engion	—	√	√	√	—	component test; engion test; Matching function
	Engion system	JM491Q-ME	—	√	√	√	√	—
		Delphi ECU	√	√	√	√	√	System status
		UAES ECU	—	√	√	—	—	System parameters; Adaptive
		UAESII ECU	√	√	√	√	√	System status
		Aerospace Mitsubishi system-Delphi Euro3Engion system	√	√	√	√	—	System status; static actuation test ; dynamic actuation test



FCAR F3 Diagnostic List (Note: Only for reference)

Automaker:	Great Wall
Version:	v6.8

Menu	System	Function					
		Version Info	Read DTC	Clear DTC	Read Data Stream	Actuation Test	Remark (Additional Function)
DEER box-type pickup	Engion system	Great Wall bosch-edc16 diesel engion	—	√	√	√	— component test; engion test; Matching function
		JM491Q-ME	—	√	√	√	—
		Delphi ECU	√	√	√	√	System status
		UAES ECU	—	√	√	—	System parameters; Adaptive
		UAESII ECU	√	√	√	√	System status
		Aerospace Mitsubishi system-Delphi Euro3Engion system	√	√	√	√	System status; static actuation test ; dynamic
sailor small	Engion	Great Wall bosch-edc16 diesel engion	—	√	√	√	— component test; engion test; Matching function
		JM491Q-ME	—	√	√	√	—
		Delphi ECU	√	√	√	√	System status
		UAES ECU	—	√	√	—	System parameters; Adaptive



FCAR F3 Diagnostic List (Note: Only for reference)

Automaker:	Great Wall
Version:	v6.8

Menu		System		Function					
				Version Info	Read DTC	Clear DTC	Read Data Stream	Actuation Test	Remark (Additional Function)
sailor series	small double	system	UAESII ECU	√	√	√	√	√	System status
			Aerospace Mitsubishi system-Delphi Euro3Engion system	√	√	√	√	—	System status; static actuation test ; dynamic
			Great Wall bosch-edc16 diesel engion	—	√	√	√	—	component test; engion test; Matching function
			JM491Q-ME	—	√	√	√	√	—
			Delphi ECU	√	√	√	√	√	System status
	sailor big double	Engion system	UAES ECU	—	√	√	—	—	System parameters; Adaptive
			UAESII ECU	√	√	√	√	√	System status
			Aerospace Mitsubishi system-Delphi Euro3Engion system	√	√	√	√	—	System status; static actuation test ; dynamic
			Great Wall bosch-edc16 diesel engion	—	√	√	√	—	component test; engion test; Matching function
			JM491Q-ME	—	√	√	√	√	—



## FCAR F3 Diagnostic List (Note: Only for reference)

Automaker:	Great Wall
Version:	v6.8

Menu	System	Function						
		Version Info	Read DTC	Clear DTC	Read Data Stream	Actuation Test	Remark (Additional Function)	
Engion system	Engion system	Delphi ECU	√	√	√	√	√	System status
		UAES ECU	—	√	√	—	—	System parameters; Adaptive
		UAESII ECU	√	√	√	√	√	System status
		Aerospace Mitsubishi system-Delphi Euro3Engion system	√	√	√	√	—	System status; static actuation test ; dynamic actuation test
		Great Wall bosch-edc16 diesel engion	—	√	√	√	—	component test; engion test; Matching function
	CC6460D 2WD	JM491Q-ME	—	√	√	√	√	—
		Delphi ECU	√	√	√	√	√	System status
		UAES ECU	—	√	√	—	—	System parameters; Adaptive
		UAESII ECU	√	√	√	√	√	System status
		Aerospace Mitsubishi system-Delphi Euro3Engion system	√	√	√	√	—	System status; static actuation test ; dynamic actuation test



FCAR F3 Diagnostic List (Note: Only for reference)

Automaker:	Great Wall
Version:	v6.8

Menu		System	Function					
			Version Info	Read DTC	Clear DTC	Read Data Stream	Actuation Test	Remark (Additional Function)
Sofia series	CC6460DY 4WD	Engion system	Great Wall bosch-edc16 diesel engion	—	√	√	√	— component test; engion test; Matching function
			JM491Q-ME	—	√	√	√	—
			Delphi ECU	√	√	√	√	System status
			UAES ECU	—	√	√	—	System parameters; Adaptive
			UAESII ECU	√	√	√	√	System status
			Aerospace Mitsubishi system-Delphi Euro3Engion system	√	√	√	√	System status; static actuation test ; dynamic
	CC6450R	Engion	Great Wall bosch-edc16 diesel engion	—	√	√	√	— component test; engion test; Matching function
			JM491Q-ME	—	√	√	√	—
			Delphi ECU	√	√	√	√	System status
			UAES ECU	—	√	√	—	System parameters; Adaptive



FCAR F3 Diagnostic List (Note: Only for reference)

Automaker:	Great Wall
Version:	v6.8

Menu	System	Function							
		Version Info	Read DTC	Clear DTC	Read Data Stream	Actuation Test	Remark (Additional Function)		
General	SAIC series CC6450BD	system	UAESII ECU	√	√	√	√	√	System status
			Aerospace Mitsubishi system-Delphi Euro3Engion system	√	√	√	√	—	System status; static actuation test ; dynamic
			Great Wall bosch-edc16 diesel engion	—	√	√	√	—	component test; engion test; Matching function
	CC6450BY	Engion system	JM491Q-ME	—	√	√	√	√	—
			Delphi ECU	√	√	√	√	√	System status
			UAES ECU	—	√	√	—	—	System parameters; Adaptive
			UAESII ECU	√	√	√	√	√	System status
			Aerospace Mitsubishi system-Delphi Euro3Engion system	√	√	√	√	—	System status; static actuation test ; dynamic
			Great Wall bosch-edc16 diesel engion	—	√	√	√	—	component test; engion test; Matching function
			JM491Q-ME	—	√	√	√	√	—



FCAR F3 Diagnostic List (Note: Only for reference)

Automaker:	Great Wall
Version:	v6.8

Menu	System	Function						
		Version Info	Read DTC	Clear DTC	Read Data Stream	Actuation Test	Remark (Additional Function)	
CC6470B	Engion system	Delphi ECU	√	√	√	√	√	System status
		UAES ECU	—	√	√	—	—	System parameters; Adaptive
		UAESII ECU	√	√	√	√	√	System status
		Aerospace Mitsubishi system-Delphi Euro3Engion system	√	√	√	√	—	System status; static actuation test ; dynamic actuation test
		Great Wall bosch-edc16 diesel engion	—	√	√	√	—	component test; engion test; Matching function
CC6470BY	Engion system	JM491Q-ME	—	√	√	√	√	—
		Delphi ECU	√	√	√	√	√	System status
		UAES ECU	—	√	√	—	—	System parameters; Adaptive
		UAESII ECU	√	√	√	√	√	System status
		Aerospace Mitsubishi system-Delphi Euro3Engion system	√	√	√	√	—	System status; static actuation test ; dynamic actuation test



FCAR F3 Diagnostic List (Note: Only for reference)

Automaker:	Great Wall
Version:	v6.8

Menu		System	Function					
			Version Info	Read DTC	Clear DTC	Read Data Stream	Actuation Test	Remark (Additional Function)
	CC6510S	Engion system	Great Wall bosch-edc16 diesel engion	—	√	√	√	— component test; engion test; Matching function
			JM491Q-ME	—	√	√	√	—
			Delphi ECU	√	√	√	√	System status
			UAES ECU	—	√	√	—	System parameters; Adaptive
			UAESII ECU	√	√	√	√	System status
			Aerospace Mitsubishi system-Delphi Euro3Engion system	√	√	√	√	System status; static actuation test ; dynamic
	CC6510S1	Engion	Great Wall bosch-edc16 diesel engion	—	√	√	√	— component test; engion test; Matching function
			JM491Q-ME	—	√	√	√	—
			Delphi ECU	√	√	√	√	System status
			UAES ECU	—	√	√	—	System parameters; Adaptive



FCAR F3 Diagnostic List (Note: Only for reference)

Automaker:	Great Wall
Version:	v6.8

Menu		System	Function						
			Version Info	Read DTC	Clear DTC	Read Data Stream	Actuation Test	Remark (Additional Function)	
Sing Series	CC6510SI	system	UAESII ECU	√	√	√	√	√	System status
			Aerospace Mitsubishi system-Delphi Euro3Engion system	√	√	√	√	—	System status; static actuation test ; dynamic
			Great Wall bosch-edc16 diesel engion	—	√	√	√	—	component test; engion test; Matching function
		Engion system	JM491Q-ME	—	√	√	√	√	—
			Delphi ECU	√	√	√	√	√	System status
	CC6510SC	Engion system	UAES ECU	—	√	√	—	—	System parameters; Adaptive
			UAESII ECU	√	√	√	√	√	System status
			Aerospace Mitsubishi system-Delphi Euro3Engion system	√	√	√	√	—	System status; static actuation test ; dynamic
			Great Wall bosch-edc16 diesel engion	—	√	√	√	—	component test; engion test; Matching function
			JM491Q-ME	—	√	√	√	√	—



FCAR F3 Diagnostic List (Note: Only for reference)

Automaker:	Great Wall
Version:	v6.8

Menu	System	Function						
		Version Info	Read DTC	Clear DTC	Read Data Stream	Actuation Test	Remark (Additional Function)	
CC6510SC1	Engion system	Delphi ECU	√	√	√	√	√	System status
		UAES ECU	—	√	√	—	—	System parameters; Adaptive
		UAESII ECU	√	√	√	√	√	System status
		Aerospace Mitsubishi system-Delphi Euro3Engion system	√	√	√	√	—	System status; static actuation test ; dynamic actuation test
		Great Wall bosch-edc16 diesel engion	—	√	√	√	—	component test; engion test; Matching function
CC1021SD	Engion system	JM491Q-ME	—	√	√	√	√	—
		Delphi ECU	√	√	√	√	√	System status
		UAES ECU	—	√	√	—	—	System parameters; Adaptive
		UAESII ECU	√	√	√	√	√	System status
		Aerospace Mitsubishi system-Delphi Euro3Engion system	√	√	√	√	—	System status; static actuation test ; dynamic actuation test



FCAR F3 Diagnostic List (Note: Only for reference)

Automaker:	Great Wall
Version:	v6.8

Menu	System	Function					
		Version Info	Read DTC	Clear DTC	Read Data Stream	Actuation Test	Remark (Additional Function)
Bigfoot Series	CC1021SDY	Great Wall bosch-edc16 diesel engion	—	√	√	√	— component test; engion test; Matching function
		JM491Q-ME	—	√	√	√	—
		Delphi ECU	√	√	√	√	System status
		UAES ECU	—	√	√	—	System parameters; Adaptive
		UAESII ECU	√	√	√	√	System status
		Aerospace Mitsubishi system-Delphi Euro3Engion system	√	√	√	√	System status; static actuation test ; dynamic
		Great Wall bosch-edc16 diesel engion	—	√	√	√	— component test; engion test; Matching function
	engion ECU(BOSCH diesel)	—	√	√	√	√	engion test
	Delphi MT20U engion	—	√	√	√	√	System status
	engion ECU(Delphi EuroIII E_OBD)	—	√	√	√	√	Gear Learning



## FCAR F3 Diagnostic List (Note: Only for reference)

Automaker:	Great Wall
Version:	v6.8

Menu	System	Function					Remark (Additional Function)
		Version Info	Read DTC	Clear DTC	Read Data Stream	Actuation Test	
Havel series	Delphi eobd ECU	√	√	√	√	√	Read history DTC;Read freeze frame data;02 fuel
	BOSCH ABS	√	√	√	√	√	Exhaust mode
	GW2.8TC BOSCH commom rail_EDC16C39 system	√	√	√	√	√	Injector data
	4D20 Delphi electronic control system	√	√	√	√	√	Injector data, network configuration injector
	4D20BOSCH dieselEngion system	√	√	√	√	√	Injector data, network configuration injector
	Hyundai Mobis_5R35_AT system	√	√	√	√	√	-
	BOSCH ABS(CAN network)	√	√	√	√	√	Steering sensor calibration, networ k configuration steering
	Great Wall BOSCHSecurity airbag	√	√	√	√	-	-
	BOSCH Security airbag(CAN network)	√	√	√	-	-	network configuration information
	Continental instrument system(CAN network)	√	√	√	√	√	network configuration information



FCAR F3 Diagnostic List (Note: Only for reference)

Automaker:	Great Wall
Version:	v6.8

Menu	System	Function					Remark (Additional Function)
		Version Info	Read DTC	Clear DTC	Read Data Stream	Actuation Test	
PERI/FLORID Series	Borg Warner TOD system(smart 4WD)	√	√	√	√	√	-
	Delphi body control system	√	√	√	√	√	network configuration information, connection
	UMC ME797	√	√	√	√	√	System Status; read freeze frame
	BOSCH ABS	√	√	√	√	√	Exhaust mode
	Autolive airbag	√	√	√	√	-	ECU Module Lock
	Anti-theft system	√	√	√	√	-	Security operation
	JM491Q-ME	-	√	√	√	√	-
	Delphi ECU	√	√	√	√	√	System status
	UAES ECU	-	√	√	-	-	System parameters; Adaptive
	UAESII ECU	√	√	√	√	√	System status



## FCAR F3 Diagnostic List (Note: Only for reference)

Automaker:	Great Wall
Version:	v6.8

Menu	System	Function					
		Version Info	Read DTC	Clear DTC	Read Data Stream	Actuation Test	Remark (Additional Function)
Other Models	Engion system	Aerospace Mitsubishi system-Delphi Euro3Engion system	√	√	√	√	—
		Great Wall bosch-edc16 diesel engion	—	√	√	√	—
		Liaoning Xinfeng electronic control system	√	√	√	√	—
		Delphi MT80Engion system	√	√	√	√	Write VIN code, Gear Learning
		UMC Euro 4Engion system	√	√	√	—	—
	Transmission system	Hyundai Mobis_P4MFI_AT system	√	√	√	√	—
		Pinch_VT2_CVT_AT system	√	√	√	√	—
	Power steering system	Yubei EPS system	—	√	√	—	—
	JM491Q-ME		√	√	√	√	—
	MM Multi-point EFI system		√	√	√	√	—



## FCAR F3 Diagnostic List (Note: Only for reference)

Automaker:	Great Wall
Version:	v6.8

Menu	System	Function					Remark (Additional Function)
		Version Info	Read DTC	Clear DTC	Read Data Stream	Actuation Test	
Engion system	Delphi EFI system	—	√	√	√	√	Read system status; Read anti-theft status
	Delphi Euro-II system	—	√	√	√	√	—
	Delphi EuroIII	—	√	√	√	√	—
	Aerospace Mitsubishi system-Delphi Euro3Engion system	√	√	√	√	—	Component test; engion test; Matching function
	Delphi EFI 4G24-1	—	√	√	√	√	Read system status
	Delphi EFI 4G24-2	—	√	√	√	√	—
	Magneti Marelli single point EFI system	—	√	√	√	—	Actuator control
	Delphi ECU	√	√	√	√	√	System status
	UAES ECU	—	√	√	—	—	System parameters; Adaptive
	UAESII ECU	√	√	√	√	√	System status



## FCAR F3 Diagnostic List (Note: Only for reference)

Automaker:	Great Wall
Version:	v6.8

Menu	System	Function					
		Version Info	Read DTC	Clear DTC	Read Data Stream	Actuation Test	Remark (Additional Function)
Special	Great Wall bosch-edc16 diesel engion	—	√	√	√	—	component test; engion test; Matching function
	Delphi eobd ECU	√	√	√	√	√	Read history DTC; Read freeze frame data; 02
	Changzhou dieselEngion system (4L88 engion EGR system)	—	√	—	√	—	Read system parameters ; calibration
	BOSCH V50Engion system	√	√	√	—	√	Conventional data stream; engine testing; read
	GW413EFUMC eobdEngion system	√	√	√	√	√	System Status; read freeze frame
	GW2.8TC BOSCH commom rail_EDC16C39 system	√	√	√	√	√	—
	SIEMENS Engion system	√	√	√	√	√	Activate anti-theft system
	Xinfeng ECU6.2	—	√	√	√	—	—
ABS	Great Wall ABS system	√	√	√	√	√	Exhaust Mode
	BOSCH ABS	√	√	√	√	√	Exhaust Mode



## FCAR F3 Diagnostic List (Note: Only for reference)

Automaker:	Great Wall
Version:	v6.8

Menu	System	Function					
		Version Info	Read DTC	Clear DTC	Read Data Stream	Actuation Test	Remark (Additional Function)
	Security airbag	—	√	√	√	—	—
	AUTOLIV Security airbag system	√	√	√	√	—	ECU Module Lock
	Diesel Electronic fuel injection system						—
	Great Wall SRS system	√	√	√	√	—	—
	Great Wall BOSCH Security airbag	√	√	√	√	—	Matching function
	Delphi Anti-theft system(Cowry, Havel petrol)	√	√	√	√	—	—
	GWPERI Anti-theft system	√	√	√	√	√	Downline function; replace engion EMS; replace
	Delphi Anti-theft system(Wingle, Havel diesel)	—	√	√	√	—	Matching function
	Coolbear Anti-theft system(Lian Chuang)	√	√	√	√	√	Downline matching function; after sale function
	AUTOLIV airbag-CH041	√	√	√	√	—	Write VIN; write airbag part No.; write airbag information 1~2



## FCAR F3 Diagnostic List (Note: Only for reference)

Automaker:	Great Wall
Version:	v6.8

Menu	System	Function					Remark (Additional Function)
		Version Info	Read DTC	Clear DTC	Read Data Stream	Actuation Test	
	Anti-theft system	√	√	√	√	-	Security operation, key matching

Remark: √ means the system support the function - means not



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## FCAR F3 Diagnostic List (Note: For reference only)

Automaker:

Hino

Version:

V7.4

Model	System	System type	Function							
			Version Info.	Read DTC	Histroy DTC	Clear DTC	Read Data Stream	Action test	Special Function	Remarks (Other functions)
		E13CTJ Engine	√	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
		E13CTK Engine	√	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
		E13CTM Engine	√	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function

	E13CTL Engine	√	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	E13CTN Engine	√	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	E13CTP Engine	√	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	E13CTR Engine	√	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function

	E13CTS Engine	√	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	E13CTT Engine	√	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	J08ETB Engine	√	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	J08ETE Engine	√	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function

J08ETA Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test function
J05DTA Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test function
J05DTA Engine trial	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test function
P11CUH Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function

	P11CUJ Engine	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	E13CUN Engine	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	E13CUR Engine	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	E13CUK Engine	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function

	E13CUL Engine	√	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	E13CUP Engine	√	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	J07ETB Engine	√	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	J05DTC Engine	√	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function

	E13CVT Engine	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	E13CUT Engine	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	J08ETN Engine	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	J08ETT Engine	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function

	J08ETL Engine	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	J08ETU Engine	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	E13CUU Engine	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	E13CUM Engine	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function

	E13CUS Engine	√	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	J08EUB Engine	√	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	J08EUA Engine	√	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	J08EUC Engine	√	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function

J08EUD Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
J08EUE Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
J05DTG Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
J05ETC Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function

	J05ETD Engine	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	J08ETW Engine	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	J08EUJ Engine	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	J08ETV Engine	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function

Engine system(KWP communication)	J05DTF Engine	√	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	E13CUY Engine	√	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	P11CUR Engine	√	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	J08EUR Engine	√	√	√	√	√	√	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function

	E13CVA Engine	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	E13CVB Engine	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	P11CUV Engine	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	J08EUP Engine	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function

J08EUS Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
J08EUL Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
J08EUT Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
J08EUU Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function

Hino	J05ETF Engine	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	E13CVC Engine	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	Training Board	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test and vehicle speed limit setting function
	A09C	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test function

	A09CTJ	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test function
	A09CTK	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test function
	J05ETB Engine	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test function
	J05ETA Engine	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test function

P11CUN Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test function
J08ETM Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test function
J05ETG Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test function
P11CUP Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test function

							DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test function
E13CUV Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test function
J08ETH Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test function
J08ETG Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test function
J08EUK Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test function

P11CUT Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test function
N04CUA Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test function
J08EUM Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test function
J05ETH Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test function

J08EUN Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test function
P11CUU Engine	✓	✓	✓	✓	✓	✓	DPR state check, DPR state reset, DPR differential pressure detection	Read and Write injector data, Boost test function
S05C	✓	✓	✓	✓	✓	✓	-	Read and Write injector data
S05D	✓	✓	✓	✓	✓	✓	-	Read and Write injector data
S05DC LEV	✓	✓	✓	✓	✓	✓	-	Read and Write injector data
N04CTE (DPR)	✓	✓	✓	✓	✓	✓	-	Read and Write injector data
N04CTB (DPR)	✓	✓	✓	✓	✓	✓	-	Read and Write injector data
N04CTB (DPR)	✓	✓	✓	✓	✓	✓	-	Read and Write injector data

S05DD (DPR)	✓	✓	✓	✓	✓	✓	–	Read and Write injector data
N04CTG (DPR)	✓	✓	✓	✓	✓	✓	–	Read and Write injector data
N04CTA (DPNR) /Common rail	✓	✓	✓	✓	✓	✓	–	Read and Write injector data
N05CTA (DPNR) /Common rail	✓	✓	✓	✓	✓	✓	–	Read and Write injector data
N04CTD (DPR) /E (HE V) /Common rail	✓	✓	✓	✓	✓	✓	–	Read and Write injector data
N04CTB (DPR) /Common rail	✓	✓	✓	✓	✓	✓	–	Read and Write injector data
N04CTF /Common rail	✓	✓	✓	✓	✓	✓	–	Read and Write injector data
N04CTD (DPR) /Common rail	✓	✓	✓	✓	✓	✓	–	Read and Write injector data
N04CTB (DPR) /Common rail	✓	✓	✓	✓	✓	✓	–	Read and Write injector data
N04C (DPR) /Common rail	✓	✓	✓	✓	✓	✓	–	Read and Write injector data
N04C (DPR) /Common rail	✓	✓	✓	✓	✓	✓	–	Read and Write injector data

	J05DTB (DPR) /Common rail	√	√	√	√	√	√	–	Read and Write injector data
	S05DD (DPR) /Common rail	√	√	√	√	√	√	–	Read and Write injector data
	N04CTC (DPR) /Common rail	√	√	√	√	√	√	–	Read and Write injector data
	N04CTB (DPR) /Common rail	√	√	√	√	√	√	–	Read and Write injector data
	S05CTB (16bit Common rail)	√	√	√	√	√	√	–	Read and Write injector data
	Hino engine	√	√	√	√	√	√	–	Read and Write injector data
	N04CTK engine	–	√	–	√	√	√	–	Read and Write injector data
	N04CT engine	–	√	–	√	√	√	–	Read and Write injector data
	N04CTQ engine	–	√	–	√	√	√	–	Read and Write injector data
	N04CTR engine	–	√	–	√	√	√	–	Read and Write injector data

N04CTS engine	-	✓	-	✓	✓	✓	-	Read and Write injector data
N04CTU engine	-	✓	-	✓	✓	✓	-	Read and Write injector data
N04CTP engine	-	✓	-	✓	✓	✓	-	Read and Write injector data
N04CTW engine	-	✓	-	✓	✓	✓	-	Read and Write injector data
N04CTT engine	-	✓	-	✓	✓	✓	-	Read and Write injector data
N04CTV engine	-	✓	-	✓	✓	✓	-	Read and Write injector data
N04CTM engine	-	✓	-	✓	✓	✓	-	Read and Write injector data
N04CTH engine	-	✓	-	✓	✓	✓	-	Read and Write injector data
N04CTJ engine	-	✓	-	✓	✓	✓	-	Read and Write injector data
N04CTN engine	-	✓	-	✓	✓	✓	-	Read and Write injector data
N04CTL engine	-	✓	-	✓	✓	✓	-	Read and Write injector data

N04CUD engine	-	✓	-	✓	✓	✓	-	Read and Write injector data
N04CUE engine	-	✓	-	✓	✓	✓	-	Read and Write injector data
N04CUJ engine	-	✓	-	✓	✓	✓	-	Read and Write injector data
N04CUH engine	-	✓	-	✓	✓	✓	-	Read and Write injector data
N04CUK engine	-	✓	-	✓	✓	✓	-	Read and Write injector data
N04CUG engine	-	✓	-	✓	✓	✓	-	Read and Write injector data
Engine DENSO engine	-	✓	-	✓	✓	✓	-	Read and Write injector data
E13C-VH engine	-	✓	-	✓	✓	✓	-	-
E13C-VJ engine	-	✓	-	✓	✓	✓	-	-
E13C-VK engine	-	✓	-	✓	✓	✓	-	-

Engine system(CAN communication)	E13C-VL engine	-	✓	-	✓	✓	✓	-	-
	J08E-VC engine	-	✓	-	✓	✓	✓	-	-
	J08E-VB engine	-	✓	-	✓	✓	✓	-	-
	A09C-TL engine	✓	✓	-	✓	✓	✓	Injector Compensation;DPR Status;Reset all DPR status;Forced DPR regeneration;Differentia l pressure check.	-
	A09C-TM engine	✓	✓	-	✓	✓	✓	Injector Compensation;DPR Status;Reset all DPR status;Forced DPR regeneration;Differentia l pressure check.	-
	A09C-TP engine	✓	✓	-	✓	✓	✓	Injector Compensation;DPR Status;Reset all DPR status;Forced DPR regeneration;Differentia l pressure check.	-
	A09C-TR engine	✓	✓	-	✓	✓	✓	Injector Compensation;DPR Status;Reset all DPR status;Forced DPR regeneration;Differentia l pressure check.	-

E13C-VM engine	-	✓	-	✓	✓	✓	-	-
E13C-VN engine	-	✓	-	✓	✓	✓	-	-
E13C-VP engine	-	✓	-	✓	✓	✓	-	-
E13C-VR engine	-	✓	-	✓	✓	✓	-	-
E13C-VS engine	-	✓	-	✓	✓	✓	-	-
J07E-TM engine	-	✓	-	✓	✓	✓	-	-
J07E-TL engine	-	✓	-	✓	✓	✓	-	-
J07E-TK engine	-	✓	-	✓	✓	✓	-	-
J08E-VH engine	-	✓	-	✓	✓	✓	-	-
J08E-VF engine	-	✓	-	✓	✓	✓	-	-
J08E-VG engine	-	✓	-	✓	✓	✓	-	-
J07E-TS engine	-	✓	-	✓	✓	✓	-	-
A09C-TU engine	✓	✓	-	✓	✓	✓	Injector Compensation; DPR Status; Reset all DPR status; Forced DPR regeneration; Differential pressure check	-

	A09C-TT engine	✓	✓	-	✓	✓	✓	Injector Compensation; DPR Status; Reset all DPR status; Forced DPR regeneration; Differential pressure check.	-
	J07E-TR engine	-	✓	-	✓	✓	✓	-	-
	J07E-TP engine	-	✓	-	✓	✓	✓	-	-
	J07E-TN engine	-	✓	-	✓	✓	✓	-	-
	J08E-VE engine	-	✓	-	✓	✓	✓	-	-
	J08E-VD engine	-	✓	-	✓	✓	✓	-	-
	J08E-VB engine	-	✓	-	✓	✓	✓	-	-
	Engine DENSO engine	-	✓	-	✓	✓	✓	-	-
	Engine BOSCH engine	-	✓	-	✓	✓	✓	-	-
SRS		-	✓	-	✓	✓	-	-	-
VCS		-	✓	-	✓	✓	-	-	-
Immobilizer		-	✓	-	✓	✓	-	-	-

Suspension system		-	✓	✓	✓	-	-	-	-
Transmission		-	✓	-	✓	✓	-	-	-
ABS		-	✓	-	✓	✓	-	-	-
Divided according to the vehicle type	ABS (weboc)	-	✓	-	✓	-	-	-	-
	ABS	-	✓	-	✓	-	-	-	-
	AT	-	✓	-	✓	✓	-	-	-
	Proshift	-	✓	-	✓	-	-	Frequency Of Mode Use, Clock Setup	-
	SRS Airbag (DUTRO/RANGER)	-	✓	✓	✓	-	-	-	-
	SRS Airbag (PROFIA)	-	✓	✓	✓	-	-	-	-

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



## FCAR F3 Diagnosis list

Automaker:	HongYan heavy duty truck
Software Version:	V5.7

Model	System	System	System	Function							
				Version info.	Read DTC	Clear DTC	Read Data stream	Action test	Read freeze frame	Remark(other functions)	
HongYan heavy duty truck	WEI CHAI WP10 type_BOSCH Common Rail_24V	Static diagnosis		√	√	√	-	-	√	Fault solution instruction	
		Dyamic diagnosis		√	-	-	√	√	-	Function test	
	Hangfa WD615 type_DENSO Common Rail_24V				√	√	√	√	√	Injector data,History DTC	
	P11C type_HINO engine_24V			√	√	√	√	√	-	Injector data,History DTC	
	SHANG CHAI engine	SC5DK type_DENSO Common Rail_24V	DENSO Common Rail	√	√	√	√	√	-	QR code(4缸和6缸)	
		SC8DK type_DENSO Common Rail_24V	DENSO Common Rail	√	√	√	√	√	-	QR code(4缸和6缸)	
		SC9DK type_DENSO Common Rail_24V	DENSO Common Rail	√	√	√	√	√	-	QR code(4缸和6缸)	
		SC9DF type_DENSO Common Rail_24V	DENSO Common Rail	√	√	√	√	√	-	QR code(4缸和6缸)	
	YU CHAIYC6M type_BOSCH Common Rail_24V	Static diagnosis		√	√	√	-	-	√	Fault solution instruction	
		Dyamic diagnosis		√	-	-	√	√	-	Function test	

Remarks: √ means the system has this function - means not supported at this moment.



# FCAR F3 Diagnostic list (note: for reference only)

Automaker: Hyundai  
version info: V5.6

Model	Model	Year	System	System	System	Function					
						Version information	Read DTC	Clear DTC	Read data stream	Action test	Remark (other functions)
AeroBus	D6CB	2011	D6CB (L-ENG)	Engine	D6CB (L-ENG)	✓	✓	✓	✓	✓	-
				ETACS	ETACS	✓	-	-	✓	-	-
				DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
					DTG	✓	-	-	✓	-	-
		2010	D6CA (L-ENG)	Engine	D6CA (L-ENG)	✓	✓	✓	✓	✓	-
				ETACS	ETACS	✓	-	-	✓	-	-
		D6AB	Engine	D6AB	D6AB	✓	✓	✓	✓	✓	-
				ETACS	ETACS	✓	-	-	✓	-	-
			D6CB (L-ENG)	Engine	D6CB (L-ENG)	✓	✓	✓	✓	✓	-
				ETACS	ETACS	✓	-	-	✓	-	-
		D6CA	DTG/DIS	DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
				DTG	DTG	✓	-	-	✓	-	-
			D6CA	Engine	D6CA	✓	✓	✓	✓	✓	-
				ETACS	ETACS	✓	-	-	✓	-	-
		D6AB	Engine	D6AB	D6AB	✓	✓	✓	✓	✓	-
				ETACS	ETACS	✓	-	-	✓	-	-
		2009	D6CB	Engine	D6CB	✓	✓	✓	✓	✓	-
				ETACS	ETACS	✓	-	-	✓	-	-
				DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
				DTG	DTG	✓	-	-	✓	-	-
		D6CA	Engine	D6CA	D6CA	✓	✓	✓	✓	✓	-
			ETACS	ETACS	ETACS	✓	-	-	✓	-	-
		D6AB	Engine	D6AB	D6AB	✓	✓	✓	✓	✓	-
				ETACS	ETACS	✓	-	-	✓	-	-
			D6CB	Engine	D6CB	✓	✓	✓	✓	✓	-
				ETACS	ETACS	✓	-	-	✓	-	-
				DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
				DTG	DTG	✓	-	-	✓	-	-
		D6CA	Engine	D6CA	D6CA	✓	✓	✓	✓	✓	-
			ETACS	ETACS	ETACS	✓	-	-	✓	-	-
		D6AB	Engine	D6AB	D6AB	✓	✓	✓	✓	✓	-
			ETACS	ETACS	ETACS	✓	-	-	✓	-	-
			D6CB	Engine	D6CB	✓	✓	✓	✓	✓	-
				ETACS	ETACS	✓	-	-	✓	-	-

			DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
		D6CA	Engine	D6CA	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-
		D6AB	Engine	D6AB	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-
2007		D6CA	Engine	D6CA	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-
		D6AB	Engine	D6AB	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-
2006		D6CA	Engine	D6CA	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-
		D6AB	Engine	D6AB	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-
2005		D6CA	Engine	D6CA	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-
		D6AB	Engine	D6AB	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-
2004		D6CA	Engine	D6CA	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-
		D6AB	Engine	D6AB	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-
2003		D6CA	Engine	D6CA	✓	✓	✓	✓	-
		D6AB	Engine	D6AB	✓	✓	✓	✓	-
2002		D6CA	Engine	D6CA	✓	✓	✓	✓	-
		D6AB	Engine	D6AB	✓	✓	✓	✓	-
		D6CA	Engine	D6CA	✓	✓	✓	✓	-
2001		D6AB	Engine	D6AB	✓	✓	✓	✓	-
2000		D6CA	Engine	D6CA	✓	✓	✓	✓	-
		D6AB	Engine	D6AB	✓	✓	✓	✓	-
1999		D6CA	Engine	D6CA	✓	✓	✓	✓	-
		D6AB	Engine	D6AB	✓	✓	✓	✓	-
			Engine	D6CC (L-ENG)	✓	✓	✓	✓	-
			BCM	BCM	✓	✓	✓	✓	-
			DTG/DIS	DTG/DIS	✓	✓	✓	✓	-
			DTG	DTG	✓	-	-	✓	-
2011		D6CC (L-ENG)	Engine	C6AC (Q-CNG)	✓	✓	✓	✓	-
			BCM	BCM	✓	✓	✓	✓	-
			DTG/DIS	DTG/DIS	✓	✓	✓	✓	-
			DTG	DTG	✓	-	-	✓	-
		C6AC (Q-CNG)	Engine	C6AE (Q-CNG)	✓	✓	✓	✓	-
			BCM	BCM	✓	✓	✓	✓	-
			DTG/DIS	DTG/DIS	✓	✓	✓	✓	-

		DTG/DTG	DTG	✓	-	-	✓	-	-
AeroBus (K0 R)	2010	D6CC (L-ENG)	Engine	D6CC (L-ENG)	✓	✓	✓	✓	✓
			BCM	BCM	✓	✓	✓	✓	✓
			DTG/DIS	DTG/DIS	✓	✓	✓	✓	-
				DTG	✓	-	-	✓	-
		C6AC (Q-CNG)	Engine	C6AC (Q-CNG)	✓	✓	✓	✓	✓
			BCM	BCM	✓	✓	✓	✓	✓
			DTG/DIS	DTG/DIS	✓	✓	✓	✓	-
				DTG	✓	-	-	✓	-
		C6AE (Q-CNG)	Engine	C6AE (Q-CNG)	✓	✓	✓	✓	✓
			BCM	BCM	✓	✓	✓	✓	✓
			DTG/DIS	DTG/DIS	✓	✓	✓	✓	-
				DTG	✓	-	-	✓	-
	2009	D6CC (L-ENG)	Engine	D6CC (L-ENG)	✓	✓	✓	✓	✓
			ETACS	ETACS	✓	-	-	✓	-
			DTG/DIS	DTG/DIS	✓	✓	✓	✓	-
				DTG	✓	-	-	✓	-
		C6AC (Q-CNG)	Engine	C6AC (Q-CNG)	✓	✓	✓	✓	✓
			ETACS	ETACS	✓	-	-	✓	-
			DTG/DIS	DTG/DIS	✓	✓	✓	✓	-
				DTG	✓	-	-	✓	-
	2008	D6CC (L-ENG)	Engine	D6CC (L-ENG)	✓	✓	✓	✓	✓
			ETACS	ETACS	✓	-	-	✓	-
			DTG/DIS	DTG/DIS	✓	✓	✓	✓	-
				DTG	✓	-	-	✓	-
		D6CB (L-ENG)	Engine	D6CB (L-ENG)	✓	✓	✓	✓	✓
			ETACS	ETACS	✓	-	-	✓	-
			DTG/DIS	DTG/DIS	✓	✓	✓	✓	-
				DTG	✓	-	-	✓	-
		C6AC (Q-CNG)	Engine	C6AC (Q-CNG)	✓	✓	✓	✓	✓
			ETACS	ETACS	✓	-	-	✓	-
			DTG/DIS	DTG/DIS	✓	✓	✓	✓	-
				DTG	✓	-	-	✓	-
	2007	D6CB (L-ENG)	Engine	D6CB (L-ENG)	✓	✓	✓	✓	✓
			ETACS	ETACS	✓	-	-	✓	-
			DTG/DIS	DTG/DIS	✓	✓	✓	✓	-
				DTG	✓	-	-	✓	-
		C6AC (Q-CNG)	Engine	C6AC (Q-CNG)	✓	✓	✓	✓	✓
			ETACS	ETACS	✓	-	-	✓	-

		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
2006	D6CB (L-ENG)	Engine	D6CB (L-ENG)	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
	C6AC (Q-CNG)	Engine	C6AC (Q-CNG)	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
	D6AB (Q-DD ENG)	Engine	D6AB (Q-DD ENG)	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
	D6CB (L-ENG)	Engine	D6CB (L-ENG)	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
2005	D6AB (Q-DD ENG)	Engine	D6AB (Q-DD ENG)	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
	D6CB (L-ENG)	Engine	D6CB (L-ENG)	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
2004	D6CA (L-ENG)	Engine	D6CA (L-ENG)	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
	D6AB (Q-DD ENG)	Engine	D6AB (Q-DD ENG)	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
2003	D6CA (L-ENG)	Engine	D6CA (L-ENG)	✓	✓	✓	✓	✓	-
	D6AB (Q-DD ENG)	Engine	D6AB (Q-DD ENG)	✓	✓	✓	✓	✓	-
2002	D6CA (L-ENG)	Engine	D6CA (L-ENG)	✓	✓	✓	✓	✓	-
	D6AB (Q-DD ENG)	Engine	D6AB	✓	✓	✓	✓	✓	-
2001	D6CA (L-ENG)	Engine	D6CA (L-ENG)	✓	✓	✓	✓	✓	-
	D6AB (Q-DD ENG)	Engine	D6AB (Q-DD ENG)	✓	✓	✓	✓	✓	-
2000	D6CA (L-ENG)	Engine	D6CA (L-ENG)	✓	✓	✓	✓	✓	-
	D6AB (Q-DD ENG)	Engine	D6AB (Q-DD ENG)	✓	✓	✓	✓	✓	-
1999	D6AB (Q-DD ENG)	Engine	D6AB (Q-DD ENG)	✓	✓	✓	✓	✓	-
2011	D6HA (H-ENG)	Engine	D6AB	✓	✓	✓	✓	✓	-
		Engine	D6HA (H-ENG)	✓	✓	✓	✓	✓	-
		AT	ZF ECOMAT4	✓	✓	✓	✓	-	-
			ZF ECOMAT2	✓	✓	✓	✓	-	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
	C6AE (Q-CNG)	Engine	C6AE (Q-CNG)	✓	✓	✓	✓	✓	-
		AT	ZF ECOMAT4 (5HP502)	✓	✓	✓	✓	-	-
			ZF ECOMAT2 (4HP590)	✓	✓	✓	✓	-	-
		RETARDER	RETARDER (VOICE)	✓	✓	✓	✓	✓	-

AeroCity	2010	D6HA (H-ENG)	ECAS	ECAS (WABCO)	✓	✓	✓	✓	✓	-
			BCM	BCM	✓	✓	✓	✓	✓	-
			DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
				DTG	✓	-	-	✓	-	-
			Engine	D6HA (H-ENG)	✓	✓	✓	✓	✓	-
			AT	ZF ECOMAT4	✓	✓	✓	✓	-	-
				ZF ECOMAT2 (4HP590)	✓	✓	✓	✓	-	-
			INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-	-
			DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
				DTG	✓	-	-	✓	-	-
2009	D6AB	Engine	D6AB		✓	✓	✓	✓	✓	-
2008	D6AB	Engine	D6AB		✓	✓	✓	✓	✓	-
2007	D6AB	Engine	D6AB		✓	✓	✓	✓	✓	-
2006	D6AB	Engine	D6AB		✓	✓	✓	✓	✓	-
2005	D6AB	Engine	D6AB		✓	✓	✓	✓	✓	-
2004	D6AB	Engine	D6AB		✓	✓	✓	✓	✓	-
2003	D6AB	Engine	D6AB		✓	✓	✓	✓	✓	-
2002	D6AB	Engine	D6AB		✓	✓	✓	✓	✓	-
2001	D6AB	Engine	D6AB		✓	✓	✓	✓	✓	-
2000	D6AB	Engine	D6AB		✓	✓	✓	✓	✓	-
1999	D6AB	Engine	D6AB		✓	✓	✓	✓	✓	-
1998	D6AB	Engine	D6AB		✓	✓	✓	✓	✓	-
2011	D6HA (H-ENG)	Engine	D6HA (H-ENG)		✓	✓	✓	✓	✓	-
			D6HA (H-ENG 10EM)		✓	✓	✓	✓	✓	-
		AT	ZF ECOMAT4 (5HP502)		✓	✓	✓	✓	-	-
			ZF ECOMAT2 (4HP590)		✓	✓	✓	✓	-	-
			ZF ECOLIFE		✓	✓	✓	✓	-	-
		RETARDER	RETARDER (VOICE)		✓	✓	✓	✓	✓	-
		BCM	BCM		✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS		✓	✓	✓	✓	-	-
			DTG		✓	-	-	✓	-	-
	C6AC (Q-CNG)	Engine	C6AC (Q-CNG)		✓	✓	✓	✓	✓	-
			ZF ECOMAT4 (5HP502)		✓	✓	✓	✓	-	-
		AT	ZF ECOMAT2 (4HP590)		✓	✓	✓	✓	-	-
			ZF ECOLIFE		✓	✓	✓	✓	-	-
		RETARDER	RETARDER (VOICE)		✓	✓	✓	✓	✓	-
		ECAS	ECAS (WABCO)		✓	✓	✓	✓	✓	-
		BCM	BCM		✓	✓	✓	✓	✓	-

		DTG/DIS	✓	✓	✓	✓	-	-
		DTG	✓	-	-	✓	-	-
	Engine	C6AE (Q-CNG)	✓	✓	✓	✓	✓	-
		ZF ECOMAT4 (5HP502)	✓	✓	✓	✓	-	-
	AT	ZF ECOMAT2 (4HP590)	✓	✓	✓	✓	-	-
		ZF ECOLIFE	✓	✓	✓	✓	-	-
	RETARDER	RETARDER (VOICE)	✓	✓	✓	✓	✓	-
	ECAS	ECAS (WABCO)	✓	✓	✓	✓	✓	-
	BCM	BCM	✓	✓	✓	✓	✓	-
		DTG/DIS	✓	✓	✓	✓	-	-
	DTG/DIS	DTG	✓	-	-	✓	-	-
		DIS	✓	✓	✓	✓	-	-
2010	AeroCity(K OR)	Engine	D6HA (H-ENG)	✓	✓	✓	✓	-
			D6HA (H-ENG 10EM)	✓	✓	✓	✓	-
		AT	ZF ECOMAT4 (5HP502)	✓	✓	✓	✓	-
			ZF ECOMAT2 (4HP590)	✓	✓	✓	✓	-
			ZF ECOLIFE	✓	✓	✓	✓	-
		RETARDER	RETARDER (VOICE)	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-
			DTG	✓	-	-	✓	-
		Engine	C6AC (Q-CNG)	✓	✓	✓	✓	-
			ZF ECOMAT4 (5HP502)	✓	✓	✓	✓	-
		AT	ZF ECOMAT2 (4HP590)	✓	✓	✓	✓	-
			ZF ECOLIFE	✓	✓	✓	✓	-
2010	C6AE (Q-CNG)	RETARDER	RETARDER (VOICE)	✓	✓	✓	✓	-
		ECAS	ECAS (WABCO)	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-
			DTG	✓	-	-	✓	-
		Engine	C6AE (Q-CNG)	✓	✓	✓	✓	-
			ZF ECOMAT4 (5HP502)	✓	✓	✓	✓	-
		AT	ZF ECOMAT2 (4HP590)	✓	✓	✓	✓	-
			ZF ECOLIFE	✓	✓	✓	✓	-
		RETARDER	RETARDER (VOICE)	✓	✓	✓	✓	-
		ECAS	ECAS (WABCO)	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	-
	C6AE (Q-CNG)	DTG/DIS	DTG/DIS	✓	✓	✓	✓	-
			DTG	✓	-	-	✓	-

		DIS	✓	✓	✓	✓	-	-
2009	D6HA (H-ENG)	Engine	D6HA (H-ENG)	✓	✓	✓	✓	—
		AT	ZF ECOMAT4 (5HP502)	✓	✓	✓	✓	—
		ZF ECOMAT2 (4HP590)	✓	✓	✓	✓	—	—
		RETARDER	RETARDER (VOICE)	✓	✓	✓	✓	—
		ETACS	ETACS	✓	—	—	✓	—
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	—
			DTG	✓	—	—	✓	—
		Engine	C6AC (Q-CNG)	✓	✓	✓	✓	—
		AT	ZF ECOMAT4 (5HP502)	✓	✓	✓	✓	—
		ZF ECOMAT2 (4HP590)	✓	✓	✓	✓	—	—
2008	C6AC (Q-CNG)	RETARDER	RETARDER (VOICE)	✓	✓	✓	✓	—
		ETACS	ETACS	✓	—	—	✓	—
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	—
			DTG	✓	—	—	✓	—
		Engine	D6HA (H-ENG)	✓	✓	✓	✓	—
		AT	ZF ECOMAT4 (5HP502)	✓	✓	✓	✓	—
		ZF ECOMAT2 (4HP590)	✓	✓	✓	✓	—	—
		RETARDER	RETARDER (VOICE)	✓	✓	✓	✓	—
		ECAS	ECAS (WABCO)	✓	✓	✓	✓	—
		ETACS	ETACS	✓	—	—	✓	—
2007	C6AC (Q-CNG)	DTG/DIS	DTG/DIS	✓	✓	✓	✓	—
			DTG	✓	—	—	✓	—
	D6AB (Q-DD ENG)	Engine	C6AC (Q-CNG)	✓	✓	✓	✓	—
		ETACS	ETACS	✓	—	—	✓	—
		Engine	D6AB (Q-DD ENG)	✓	✓	✓	✓	—
2006	C6AC (Q-CNG)	ETACS	ETACS	✓	—	—	✓	—
		Engine	C6AC (Q-CNG)	✓	✓	✓	✓	—
	D6AB (Q-DD ENG)	ETACS	ETACS	✓	—	—	✓	—
		Engine	D6AB (Q-DD ENG)	✓	✓	✓	✓	—

				D6AB (Q-DD ENG)	Engine	D6AB (Q-DD ENG)	✓	✓	✓	✓	✓	✓	-
	2005	D6AB (Q-DD ENG)	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
	2004	D6AB (Q-DD ENG)	Engine	D6AB (Q-DD ENG)		D6AB (Q-DD ENG)	✓	✓	✓	✓	✓	✓	-
		ETACS		ETACS		ETACS	✓	-	-	✓	-	-	-
	2003	D6AB (Q-DD ENG)	Engine	D6AB (Q-DD ENG)		D6AB (Q-DD ENG)	✓	✓	✓	✓	✓	✓	-
	2002	D6AB (Q-DD ENG)	Engine	D6AB (Q-DD ENG)		D6AB (Q-DD ENG)	✓	✓	✓	✓	✓	✓	-
	2001	D6AB (Q-DD ENG)	Engine	D6AB (Q-DD ENG)		D6AB (Q-DD ENG)	✓	✓	✓	✓	✓	✓	-
	2000	D6AB (Q-DD ENG)	Engine	D6AB (Q-DD ENG)		D6AB (Q-DD ENG)	✓	✓	✓	✓	✓	✓	-
AeroTown	1999	D6AB (Q-DD ENG)	Engine	D6AB (Q-DD ENG)		D6AB (Q-DD ENG)	✓	✓	✓	✓	✓	✓	-
	2011		ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
		D6GA (G-ENG)	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
	2010	D6BR	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
		D6DA	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
	2009	D6BR	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
		D6DA	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
	2008	D6BR	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
		D6DA	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
	2007	D6BR	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
		D6DA	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
	2006	D6BR	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
		D6DA	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
	2005	D6BR	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
		D6DA	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
	2004	D6BR	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
		D6DA	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
AeroTown (K OR)	2011	D6GA (G-ENG)	BCM	BCM		BCM	✓	✓	✓	✓	✓	✓	-
	2010	D6GA (G-ENG)	BCM	BCM		BCM	✓	✓	✓	✓	✓	✓	-
	2009	D6GA (G-ENG)	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
	2008	D6GA (G-ENG)	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
	2007	D6DA (KK-ENG)	Engine	D6DA (KK-ENG)		D6DA (KK-ENG)	✓	✓	✓	✓	✓	✓	-
		ETACS	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
	2006	D6DA (KK-ENG)	Engine	D6DA (KK-ENG)		D6DA (KK-ENG)	✓	✓	✓	✓	✓	✓	-
		ETACS	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
	2005	D6DA (KK-ENG)	Engine	D6DA (KK-ENG)		D6DA (KK-ENG)	✓	✓	✓	✓	✓	✓	-
		ETACS	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
2011	D4DD	ETACS	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
	D4AF	ETACS	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
	D4AL	ETACS	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-
	D4DC	ETACS	ETACS	ETACS		ETACS	✓	-	-	✓	-	-	-

	D4DA	ETACS	ETACS	✓	-	-	✓	-	-
Country	D4DD	ETACS	ETACS	✓	-	-	✓	-	-
	D4AF	ETACS	ETACS	✓	-	-	✓	-	-
	D4AL	ETACS	ETACS	✓	-	-	✓	-	-
	D4DC	ETACS	ETACS	✓	-	-	✓	-	-
	D4DB	ETACS	ETACS	✓	-	-	✓	-	-
	D4DA	ETACS	ETACS	✓	-	-	✓	-	-
2010	D4DD	ETACS	ETACS	✓	-	-	✓	-	-
	D4AF	ETACS	ETACS	✓	-	-	✓	-	-
	D4AL	ETACS	ETACS	✓	-	-	✓	-	-
	D4DC	ETACS	ETACS	✓	-	-	✓	-	-
	D4DB	ETACS	ETACS	✓	-	-	✓	-	-
	D4DA	ETACS	ETACS	✓	-	-	✓	-	-
2009	D4DD	ETACS	ETACS	✓	-	-	✓	-	-
	D4AF	ETACS	ETACS	✓	-	-	✓	-	-
	D4AL	ETACS	ETACS	✓	-	-	✓	-	-
	D4DC	ETACS	ETACS	✓	-	-	✓	-	-
	D4DB	ETACS	ETACS	✓	-	-	✓	-	-
	D4DA	ETACS	ETACS	✓	-	-	✓	-	-
2008	D4DD	ETACS	ETACS	✓	-	-	✓	-	-
	D4AF	ETACS	ETACS	✓	-	-	✓	-	-
	D4AL	ETACS	ETACS	✓	-	-	✓	-	-
	D4DC	ETACS	ETACS	✓	-	-	✓	-	-
	D4DB	ETACS	ETACS	✓	-	-	✓	-	-
	D4DA	ETACS	ETACS	✓	-	-	✓	-	-
2007	D4AF	ETACS	ETACS	✓	-	-	✓	-	-
	D4AL	ETACS	ETACS	✓	-	-	✓	-	-
	D4DC	ETACS	ETACS	✓	-	-	✓	-	-
	D4DB	ETACS	ETACS	✓	-	-	✓	-	-
2006	D4DA	ETACS	ETACS	✓	-	-	✓	-	-
	D4AF	ETACS	ETACS	✓	-	-	✓	-	-
	D4AL	ETACS	ETACS	✓	-	-	✓	-	-
	D4DC	ETACS	ETACS	✓	-	-	✓	-	-
2005	D4DB	ETACS	ETACS	✓	-	-	✓	-	-
	D4DA	ETACS	ETACS	✓	-	-	✓	-	-
	D4AF	ETACS	ETACS	✓	-	-	✓	-	-
	D4AL	ETACS	ETACS	✓	-	-	✓	-	-
2004	D4DC	ETACS	ETACS	✓	-	-	✓	-	-
	D4DB	ETACS	ETACS	✓	-	-	✓	-	-
	D4DA	ETACS	ETACS	✓	-	-	✓	-	-
	D4AF	ETACS	ETACS	✓	-	-	✓	-	-
	D4AL	ETACS	ETACS	✓	-	-	✓	-	-

e- Country (KO R)	D4GA (F-ENG)	ABS	ABS (HPB)	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
		DTG/DIS	DTG	✓	-	-	✓	-	-
		ABS	ABS (HPB)	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
		DTG/DIS	DTG	✓	-	-	✓	-	-
		ABS	ABS (HPB)	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
		DTG/DIS	DTG	✓	-	-	✓	-	-
		ABS	ABS (HPB)	✓	✓	✓	✓	✓	-
Global900/ GreenCity (KOR)	D4GA (F-ENG)	ETACS	ETACS	✓	-	-	✓	-	-
		DTG	DTG	✓	-	-	✓	-	-
		ABS	ABS (HPB)	✓	✓	✓	✓	✓	-
	D4DD (W-ENG)	ABS	ABS (HPB)	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
		DTG/DIS	DTG	✓	-	-	✓	-	-
	D4DD (W-ENG)	ABS	ABS (HPB)	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
	D4DD (W-ENG)	ETACS	ETACS	✓	-	-	✓	-	-
	D4DD (W-ENG)	ETACS	ETACS	✓	-	-	✓	-	-
Global900/ GreenCity (KOR)	D6GA (G-ENG)	BCM	BCM	✓	✓	✓	✓	✓	-
		Engine	C6GA (G-CNG)	-	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		DTG/DIS	DIS	✓	✓	✓	✓	-	-
	D6GA (G-ENG)	BCM	BCM	✓	✓	✓	✓	✓	-
		Engine	C6GA (G-CNG)	-	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		DTG/DIS	DIS	✓	✓	✓	✓	-	-
	D6GA (G-ENG)	ETACS	ETACS	✓	-	-	✓	-	-
	C6DA (KK-CNG)	Engine	C6DA (KK-CNG)	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
		ETACS	ETACS	✓	-	-	✓	-	-
Global900/ GreenCity (KOR)	D6GA (G-ENG)	ETACS	ETACS	✓	-	-	✓	-	-
	C6DA (KK-CNG)	Engine	C6DA (KK-CNG)	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
		ETACS	ETACS	✓	-	-	✓	-	-
	C6DA (KK-CNG)	Engine	C6DA (KK-CNG)	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
		ETACS	ETACS	✓	-	-	✓	-	-
	DB9A (OM906)	Engine	GLOBAL900 (PLD)	-	✓	✓	✓	✓	-
		Engine	GLOBAL900 (ADM)	-	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
	C6DA (KK-CNG)	Engine	C6DA (KK-CNG)	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-

			GLOBAL900 (PLD)	-	✓	✓	✓	✓	-
		DB9A (OM906)	Engine	GLOBAL900 (ADM)	-	✓	✓	✓	✓
			ETACS	ETACS	✓	-	-	✓	-
		C6DA (KK-CNG)	Engine	C6DA (KK-CNG)	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-
2006		DB9A (OM906)	Engine	GLOBAL900 (PLD)	-	✓	✓	✓	-
				GLOBAL900 (ADM)	-	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-
2005		C6DA (KK-CNG)	Engine	C6DA (KK-CNG)	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-
		DB9A (OM906)	Engine	GLOBAL900 (PLD)	-	✓	✓	✓	-
				GLOBAL900 (ADM)	-	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-
2004		C6DA (KK-CNG)	Engine	C6DA (KK-CNG)	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-
		DB9A (OM906)	Engine	GLOBAL900 (PLD)	-	✓	✓	✓	-
				GLOBAL900 (ADM)	-	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-
2003	DB9A (OM906)	Engine	GLOBAL900 (PLD)	-	✓	✓	✓	✓	-
				GLOBAL900 (ADM)	-	✓	✓	✓	-
2002	DB9A (OM906)	Engine	GLOBAL900 (PLD)	-	✓	✓	✓	✓	-
				GLOBAL900 (ADM)	-	✓	✓	✓	-
		D4GA (F-ENG)	ETACS	ETACS	✓	-	-	✓	-
			DTG/DIS	DTG/DIS	✓	✓	✓	✓	-
2011	D4DD	ETACS	ETACS	✓	-	-	-	✓	-
	D4BB	ETACS	ETACS	✓	-	-	-	✓	-
	D4AF	ETACS	ETACS	✓	-	-	-	✓	-
	D4AL	ETACS	ETACS	✓	-	-	-	✓	-
	D4DC	ETACS	ETACS	✓	-	-	-	✓	-
	D4DB	ETACS	ETACS	✓	-	-	-	✓	-
	D4DA	ETACS	ETACS	✓	-	-	-	✓	-
2010	D4GA (F-ENG)	ETACS	ETACS	✓	-	-	-	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	✓	-
	D4DD	ETACS	ETACS	✓	-	-	-	✓	-
	D4BB	ETACS	ETACS	✓	-	-	-	✓	-
	D4AF	ETACS	ETACS	✓	-	-	-	✓	-
	D4AL	ETACS	ETACS	✓	-	-	-	✓	-
	D4DC	ETACS	ETACS	✓	-	-	-	✓	-
	D4DB	ETACS	ETACS	✓	-	-	-	✓	-
	D4DA	ETACS	ETACS	✓	-	-	-	✓	-
2009	D4DD	ETACS	ETACS	✓	-	-	-	✓	-
	D4BB	ETACS	ETACS	✓	-	-	-	✓	-
	D4AF	ETACS	ETACS	✓	-	-	-	✓	-
	D4AL	ETACS	ETACS	✓	-	-	-	✓	-

	D4DC	ETACS	ETACS	✓	-	-	✓	-	-
	D4DB	ETACS	ETACS	✓	-	-	✓	-	-
	D4DA	ETACS	ETACS	✓	-	-	✓	-	-
	D4DD	ETACS	ETACS	✓	-	-	✓	-	-
HD35/HD45/ HD65	D4BB	ETACS	ETACS	✓	-	-	✓	-	-
	D4AF	ETACS	ETACS	✓	-	-	✓	-	-
	D4AL	ETACS	ETACS	✓	-	-	✓	-	-
	D4DC	ETACS	ETACS	✓	-	-	✓	-	-
	D4DB	ETACS	ETACS	✓	-	-	✓	-	-
	D4DA	ETACS	ETACS	✓	-	-	✓	-	-
	D4DD	ETACS	ETACS	✓	-	-	✓	-	-
	D4BB	ETACS	ETACS	✓	-	-	✓	-	-
2008	D4AF	ETACS	ETACS	✓	-	-	✓	-	-
	D4AL	ETACS	ETACS	✓	-	-	✓	-	-
	D4DC	ETACS	ETACS	✓	-	-	✓	-	-
	D4DB	ETACS	ETACS	✓	-	-	✓	-	-
	D4DA	ETACS	ETACS	✓	-	-	✓	-	-
	D4DD	ETACS	ETACS	✓	-	-	✓	-	-
	D4BB	ETACS	ETACS	✓	-	-	✓	-	-
2007	D4AF	ETACS	ETACS	✓	-	-	✓	-	-
	D4AL	ETACS	ETACS	✓	-	-	✓	-	-
	D4DC	ETACS	ETACS	✓	-	-	✓	-	-
	D4DB	ETACS	ETACS	✓	-	-	✓	-	-
	D4DA	ETACS	ETACS	✓	-	-	✓	-	-
	D4AF	ETACS	ETACS	✓	-	-	✓	-	-
	D4AL	ETACS	ETACS	✓	-	-	✓	-	-
2006	D4DC	ETACS	ETACS	✓	-	-	✓	-	-
	D4DB	ETACS	ETACS	✓	-	-	✓	-	-
	D4DA	ETACS	ETACS	✓	-	-	✓	-	-
	D4AF	ETACS	ETACS	✓	-	-	✓	-	-
	D4AL	ETACS	ETACS	✓	-	-	✓	-	-
2005	D4DC	ETACS	ETACS	✓	-	-	✓	-	-
	D4DB	ETACS	ETACS	✓	-	-	✓	-	-
	D4DA	ETACS	ETACS	✓	-	-	✓	-	-
	D4AF	ETACS	ETACS	✓	-	-	✓	-	-
	D4AL	ETACS	ETACS	✓	-	-	✓	-	-
2004	D4DC	ETACS	ETACS	✓	-	-	✓	-	-
	D4DB	ETACS	ETACS	✓	-	-	✓	-	-
	D4DA	ETACS	ETACS	✓	-	-	✓	-	-
	D4AF	ETACS	ETACS	✓	-	-	✓	-	-
	D4AL	ETACS	ETACS	✓	-	-	✓	-	-
2011	D4GA (F-ENG)	ABS	ABS (MOBIS)						-
		ABS	ABS (HPB)	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
		DTG/DIS	DTG	✓	-	-	✓	-	-
		ABS	ABS (HPB)	✓	✓	✓	✓	✓	-
2010	D4GA (F-ENG)	ETACS	ETACS	✓	-	-	✓	-	-
		DTG/DIS	DTG	✓	-	-	✓	-	-

		ABS	ABS (HPB)	✓	✓	✓	✓	✓	✓	-
e- Mighty (KOR )	2009	D4GA (F-ENG)	ETACS	ETACS	✓	-	-	✓	-	-
			DTG/DIS	DTG	✓	-	-	✓	-	-
			ABS	ABS (HPB)	✓	✓	✓	✓	✓	-
	2008	D4GA (F-ENG)	ETACS	ETACS	✓	-	-	✓	-	-
			DTG/DIS	DTG	✓	-	-	✓	-	-
			ABS	ABS (HPB)	✓	✓	✓	✓	✓	-
	2007	D4DD (W-ENG)	ETACS	ETACS	✓	-	-	✓	-	-
			ABS	ABS (HPB)	✓	✓	✓	✓	✓	-
	2006	D4DD (W-ENG)	ETACS	ETACS	✓	-	-	✓	-	-
			ABS	ABS (HPB)	✓	✓	✓	✓	✓	-
	2005	D4DD (W-ENG)	ETACS	ETACS	✓	-	-	✓	-	-
			ETACS	ETACS	✓	-	-	✓	-	-
	2011	D4GA (F-ENG)	ETACS	ETACS	✓	-	-	✓	-	-
			DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
		D4DD	ETACS	ETACS	✓	-	-	✓	-	-
		D4BB	ETACS	ETACS	✓	-	-	✓	-	-
		D4AF	ETACS	ETACS	✓	-	-	✓	-	-
		D4AL	ETACS	ETACS	✓	-	-	✓	-	-
		D4DC	ETACS	ETACS	✓	-	-	✓	-	-
		D4DB	ETACS	ETACS	✓	-	-	✓	-	-
	2010	D4DA	ETACS	ETACS	✓	-	-	✓	-	-
			ETACS	ETACS	✓	-	-	✓	-	-
		D4GA (F-ENG)	DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			ETACS	ETACS	✓	-	-	✓	-	-
		D4BB	ETACS	ETACS	✓	-	-	✓	-	-
		D4AF	ETACS	ETACS	✓	-	-	✓	-	-
	2009	D4AL	ETACS	ETACS	✓	-	-	✓	-	-
			ETACS	ETACS	✓	-	-	✓	-	-
		D4DC	ETACS	ETACS	✓	-	-	✓	-	-
		D4DB	ETACS	ETACS	✓	-	-	✓	-	-
		D4DA	ETACS	ETACS	✓	-	-	✓	-	-
			ETACS	ETACS	✓	-	-	✓	-	-
		D4DD	ETACS	ETACS	✓	-	-	✓	-	-
		D4BB	ETACS	ETACS	✓	-	-	✓	-	-
		D4AF	ETACS	ETACS	✓	-	-	✓	-	-
		D4AL	ETACS	ETACS	✓	-	-	✓	-	-
		D4DC	ETACS	ETACS	✓	-	-	✓	-	-
		D4DB	ETACS	ETACS	✓	-	-	✓	-	-
		D4DA	ETACS	ETACS	✓	-	-	✓	-	-
		D4DD	ETACS	ETACS	✓	-	-	✓	-	-

HD72/HD75/ HD78	2008	D4BB	ETACS	ETACS	✓	-	-	✓	-	-
		D4AF	ETACS	ETACS	✓	-	-	✓	-	-
		D4AL	ETACS	ETACS	✓	-	-	✓	-	-
		D4DC	ETACS	ETACS	✓	-	-	✓	-	-
		D4DB	ETACS	ETACS	✓	-	-	✓	-	-
		D4DA	ETACS	ETACS	✓	-	-	✓	-	-
	2007	D4DD	ETACS	ETACS	✓	-	-	✓	-	-
		D4BB	ETACS	ETACS	✓	-	-	✓	-	-
		D4AF	ETACS	ETACS	✓	-	-	✓	-	-
		D4AL	ETACS	ETACS	✓	-	-	✓	-	-
		D4DC	ETACS	ETACS	✓	-	-	✓	-	-
		D4DB	ETACS	ETACS	✓	-	-	✓	-	-
	2006	D4DA	ETACS	ETACS	✓	-	-	✓	-	-
		D4AF	ETACS	ETACS	✓	-	-	✓	-	-
		D4AL	ETACS	ETACS	✓	-	-	✓	-	-
		D4DC	ETACS	ETACS	✓	-	-	✓	-	-
		D4DB	ETACS	ETACS	✓	-	-	✓	-	-
	2005	D4DA	ETACS	ETACS	✓	-	-	✓	-	-
		D4AF	ETACS	ETACS	✓	-	-	✓	-	-
		D4AL	ETACS	ETACS	✓	-	-	✓	-	-
		D4DC	ETACS	ETACS	✓	-	-	✓	-	-
		D4DB	ETACS	ETACS	✓	-	-	✓	-	-
	2004	D4DA	ETACS	ETACS	✓	-	-	✓	-	-
		D4AF	ETACS	ETACS	✓	-	-	✓	-	-
		D4AL	ETACS	ETACS	✓	-	-	✓	-	-
		D4DC	ETACS	ETACS	✓	-	-	✓	-	-
		D4DB	ETACS	ETACS	✓	-	-	✓	-	-
		D4DA	ETACS	ETACS	✓	-	-	✓	-	-
2011	2011	D6GA (G-ENG)	BCM	BCM	✓	✓	✓	✓	✓	-
			DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			DTG	DTG	✓	-	-	✓	-	-
			DIS	DIS	✓	✓	✓	✓	-	-
	C6GA (G-CNG)	Engine	C6GA (G-CNG)	-	✓	✓	✓	✓	-	-
		BCM	BCM	✓	✓	✓	✓	✓	-	-
		DTG/DIS	DIS	✓	✓	✓	✓	-	-	-
	C6DA (KK-CNG)	Engine	C6DA (KK-CNG)	✓	✓	✓	✓	✓	-	-
		BCM	BCM	✓	✓	✓	✓	✓	-	-
	D6CA (C-ENG)	BCM	BCM	✓	✓	✓	✓	✓	-	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-	-

Hyundai	Mega Truck (KOR)	D6GA (G-ENG)	DTG/DIS	DTG	✓	-	-	✓	-	-
				DIS	✓	✓	✓	✓	-	-
		C6GA (G-CNG)	Engine	C6GA (G-CNG)	-	✓	✓	✓	✓	-
			BCM	BCM	✓	✓	✓	✓	✓	-
			DTG/DIS	DIS	✓	✓	✓	✓	-	-
			Engine	C6DA (KK-CNG)	✓	✓	✓	✓	✓	-
		C6DA (KK-CNG)	BCM	BCM	✓	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-	-
	2009	D6GA (G-ENG)	DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
				DTG	✓	-	-	✓	-	-
			Engine	C6DA (KK-CNG)	✓	✓	✓	✓	✓	-
		C6DA (KK-CNG)	ETACS	ETACS	✓	-	-	✓	-	-
	2008	D6GA (G-ENG)	ETACS	ETACS	✓	-	-	✓	-	-
			DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
				DTG	✓	-	-	✓	-	-
		C6DA (KK-CNG)	Engine	C6DA (KK-CNG)	✓	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-	-
	2007	D6DB (K-ENG)	Engine	D6DB (K-ENG)	✓	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-	-
		C6DA (KK-CNG)	Engine	C6DA (KK-CNG)	✓	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-	-
	2006	D6DB (K-ENG)	Engine	D6DB (K-ENG)	✓	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-	-
		C6DA (KK-CNG)	Engine	C6DA (KK-CNG)	✓	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-	-
	2005	D6DB (K-ENG)	Engine	D6DB (K-ENG)	✓	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-	-
		C6DA (KK-CNG)	Engine	C6DA (KK-CNG)	✓	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-	-
	2011	D6CC (L-ENG)	Engine	D6CC (L-ENG)	✓	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-	-
		D6CB (L-ENG)	Engine	D6CB	✓	✓	✓	✓	✓	-
				D6CB (Euro 4 Injection)	✓	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-	-
		D6CA (L-ENG)	Engine	D6CA	✓	✓	✓	✓	✓	-
			ETACS	D6CA (Euro 4 Injection)	✓	✓	✓	✓	✓	-
				ETACS	✓	-	-	✓	-	-
		D6AB	Engine	D6AB	✓	✓	✓	✓	✓	-
			ETACS	ETACS	✓	-	-	✓	-	-

	D6CC (L-ENG)	Engine	D6CC (L-ENG)	✓	✓	✓	✓	✓	✓	-
	ETACS	ETACS		✓	-	-	✓	-	-	-
2010	D6CB	Engine	D6CB	✓	✓	✓	✓	✓	✓	-
			D6CB (Euro 4 Injection)	✓	✓	✓	✓	✓	✓	-
	ETACS	ETACS		✓	-	-	✓	-	-	-
Heavy Duty Truck	D6CA	Engine	D6CA	✓	✓	✓	✓	✓	✓	-
			D6CA (Euro 4 Injection)	✓	✓	✓	✓	✓	✓	-
	ETACS	ETACS		✓	-	-	✓	-	-	-
	D6AB	Engine	D6AB	✓	✓	✓	✓	✓	✓	-
			ETACS	✓	-	-	✓	-	-	-
2009	D6CB	Engine	D6CB	✓	✓	✓	✓	✓	✓	-
			D6CB (Euro 4 Injection)	✓	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-	-
	D6CA	Engine	D6CA	✓	✓	✓	✓	✓	✓	-
			D6CA (Euro 4 Injection)	✓	✓	✓	✓	✓	✓	-
	ETACS	ETACS		✓	-	-	✓	-	-	-
	D6AB	Engine	D6AB	✓	✓	✓	✓	✓	✓	-
			ETACS	✓	-	-	✓	-	-	-
2008	D6CB	Engine	D6CB	✓	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-	-
	D6CA	Engine	D6CA	✓	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-	-
	D6AB	Engine	D6AB	✓	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-	-
2007	D6CB	Engine	D6CB	✓	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-	-
	D6CA	Engine	D6CA	✓	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-	-
	D6AB	Engine	D6AB	✓	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-	-
	D6CA	Engine	D6CA	✓	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-	-
2006	D6AB	Engine	D6AB	✓	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-	-
	D6AB	Engine	D6AB	✓	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-	-
2005	D6CA	Engine	D6CA	✓	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-	-
	D6AB	Engine	D6AB	✓	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-	-
	D6CA	Engine	D6CA	✓	✓	✓	✓	✓	✓	-

	DOCA	ETACS	ETACS	✓	-	-	✓	-	-
2004	D6AB	Engine	D6AB	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
	D6CA	Engine	D6CA	✓	✓	✓	✓	✓	-
2003	D6AB	ETACS	ETACS	✓	-	-	✓	-	-
		Engine	D6AB	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
2011	D6HA (H-ENG)	Engine	D6HA (H-ENG)	✓	✓	✓	✓	✓	-
			D6HA (H-ENG 10EM)	✓	✓	✓	✓	✓	-
		AT	Astronic ATM2 (ZF16AS23)	✓	✓	✓	✓	✓	-
		ABS	ABS/EBS (WABCO)	✓	✓	✓	✓	✓	-
		INHIBITOR	RANGE INHIBITOR	-	-	-	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
			DIS	✓	✓	✓	✓	-	-
	C6AC (Q-CNG)	Engine	C6AC (Q-CNG)	✓	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
	C6AE (Q-CNG)	Engine	C6AE (Q-CNG)	✓	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
			DIS	✓	✓	✓	✓	-	-
2010	D6HA (H-ENG)	Engine	D6HA (H-ENG)	✓	✓	✓	✓	✓	-
			D6HA (H-ENG 10EM)	✓	✓	✓	✓	✓	-
		AT	Astronic ATM2 (ZF16AS23)	✓	✓	✓	✓	✓	-
		ABS	ABS/EBS (WABCO)	✓	✓	✓	✓	✓	-
		INHIBITOR	RANGE INHIBITOR	-	-	-	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
			DIS	✓	✓	✓	✓	-	-
	C6AC (Q-CNG)	Engine	C6AC (Q-CNG)	✓	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
		Engine	C6AE (Q-CNG)	✓	✓	✓	✓	✓	-

		BCM	BCM	✓	✓	✓	✓	✓	✓	-
New Power Truck (KOR)	C6AE (Q-CNG)	DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-	-
			DTG	✓	-	-	✓	-	-	-
			DIS	✓	✓	✓	✓	-	-	-
			Engine	D6HA (H-ENG)	✓	✓	✓	✓	✓	-
2009	D6HA (H-ENG)	AT	Astronic ATM2 (ZF16AS23)	✓	✓	✓	✓	✓	✓	-
		ABS/EBS	ABS/EBS (WABCO)	✓	✓	✓	✓	✓	✓	-
		INHIBITOR	RANGE INHIBITOR	-	-	-	✓	✓	-	-
		BCM	BCM	✓	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-	-
			DTG	✓	-	-	✓	-	-	-
	C6AC (Q-CNG)	Engine	C6AC (Q-CNG)	✓	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-	-
			DTG	✓	-	-	✓	-	-	-
2008	D6HA (H-ENG)	Engine	D6HA (H-ENG)	✓	✓	✓	✓	✓	✓	-
		AT	Astronic ATM2 (ZF16AS23)	✓	✓	✓	✓	✓	✓	-
		ABS/EBS	ABS/EBS (WABCO)	✓	✓	✓	✓	✓	✓	-
		INHIBITOR	RANGE INHIBITOR	-	-	-	✓	✓	-	-
		BCM	BCM	✓	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-	-
			DTG	✓	-	-	✓	-	-	-
	C6AC (Q-CNG)	Engine	C6AC (Q-CNG)	✓	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-	-
			DTG	✓	-	-	✓	-	-	-
2007	D6CB (L-ENG)	Engine	D6CB (L-ENG)	✓	✓	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	✓	-
	C6AC (Q-CNG)	Engine	C6AC (Q-CNG)	✓	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-	-
	D6AB (Q-DD ENG)	Engine	D6AB (Q-DD ENG)	✓	✓	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	✓	-
2006	D6CB (L-ENG)	Engine	D6CB (L-ENG)	✓	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-	-
	C6AB (Q-CNG)	ETACS	ETACS	✓	-	-	✓	-	-	-
		Engine	D6AB (Q-DD ENG)	✓	✓	✓	✓	✓	✓	-
	D6AB (Q-DD ENG)	ETACS	ETACS	✓	-	-	✓	-	-	-
		Engine	D6CB (L-ENG)	✓	✓	✓	✓	✓	✓	-
	D6CB (L-ENG)	ETACS	ETACS	✓	-	-	✓	-	-	-

2005	C6AB (Q-CNG)	ETACS	ETACS	✓	-	-	✓	-	-
	D6AB (Q-DD ENG)	Engine	D6AB (Q-DD ENG)	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
2004	D6CB (L-ENG)	Engine	D6CB (L-ENG)	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
	D6CA (L-ENG)	Engine	D6CA (L-ENG)	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
	C6AB (Q-CNG)	ETACS	ETACS	✓	-	-	✓	-	-
2003	D6AB (Q-DD ENG)	Engine	D6AB (Q-DD ENG)	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
	D6CA (L-ENG)	Engine	D6CA (L-ENG)	✓	✓	✓	✓	✓	-
2002	D6AB (Q-DD ENG)	Engine	D6AB (Q-DD ENG)	✓	✓	✓	✓	✓	-
	D6CA (L-ENG)	Engine	D6CA (L-ENG)	✓	✓	✓	✓	✓	-
2001	D6CA (L-ENG)	Engine	D6CA (L-ENG)	✓	✓	✓	✓	✓	-
	D6AB (Q-DD ENG)	Engine	D6AB (Q-DD ENG)	✓	✓	✓	✓	✓	-
2000	D6CA (L-ENG)	Engine	D6CA (L-ENG)	✓	✓	✓	✓	✓	-
	D6AB (Q-DD ENG)	Engine	D6AB (Q-DD ENG)	✓	✓	✓	✓	✓	-
		ABS	ABS (WABCO)						-
2000	D6HA (H-ENG)	Engine	D6HA (H-ENG)	✓	✓	✓	✓	✓	-
			D6HA (H-ENG 10EM)	✓	✓	✓	✓	✓	-
		AT	Astronic ATM2 (ZF16AS23)	✓	✓	✓	✓	✓	-
		ABS/EBS	ABS/EBS (WABCO)	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		ECAS	ECAS (WABCO)	✓	✓	✓	✓	✓	-
		INHIBITOR	RANGE INHIBITOR	-	-	-	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
			DIS	✓	✓	✓	✓	-	-
	D6CC (L-ENG)	Engine	D6CC (L-ENG)	✓	✓	✓	✓	✓	-
		AT	Astronic ATM2 (ZF16AS23)	✓	✓	✓	✓	✓	-
		ABS/EBS	ABS/EBS (WABCO)	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		ECAS	ECAS (WABCO)	✓	✓	✓	✓	✓	-
		INHIBITOR	RANGE INHIBITOR	-	-	-	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-

		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
		DTG	DTG	✓	-	-	✓	-	-
2011	D6CD (L-ENG)	Engine	D6CD (L-ENG)	✓	✓	✓	✓	✓	-
		AT	Astronic ATM2 (ZF16AS23)	✓	✓	✓	✓	✓	-
		ABS/EBS	ABS/EBS (WABCO)	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		ECAS	ECAS (WABCO)	✓	✓	✓	✓	✓	-
		INHIBITOR	RANGE INHIBITOR	-	-	-	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
		DTG/DIS	DTG	✓	-	-	✓	-	-
		DIS	DIS	✓	✓	✓	✓	-	-
	D6CE (L-ENG)	Engine	D6CE (L-ENG)	✓	✓	✓	✓	✓	-
		AT	Astronic ATM2 (ZF16AS23)	✓	✓	✓	✓	✓	-
		ABS/EBS	ABS/EBS (WABCO)	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		ECAS	ECAS (WABCO)	✓	✓	✓	✓	✓	-
		INHIBITOR	RANGE INHIBITOR	-	-	-	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
		DTG/DIS	DTG	✓	-	-	✓	-	-
		DIS	DIS	✓	✓	✓	✓	-	-
	D6HA (H-ENG)	Engine	D6HA (H-ENG)	✓	✓	✓	✓	✓	-
		Engine	D6HA (H-ENG 10EM)	✓	✓	✓	✓	✓	-
		AT	Astronic ATM2 (ZF16AS23)	✓	✓	✓	✓	✓	-
		ABS/EBS	ABS/EBS (WABCO)	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		ECAS	ECAS (WABCO)	✓	✓	✓	✓	✓	-
		INHIBITOR	RANGE INHIBITOR	-	-	-	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
		DTG/DIS	DTG	✓	-	-	✓	-	-
		DIS	DIS	✓	✓	✓	✓	-	-
		Engine	D6CC (L-ENG)	✓	✓	✓	✓	✓	-
		AT	Astronic ATM2 (ZF16AS23)	✓	✓	✓	✓	✓	-
		ABS/EBS	ABS/EBS (WABCO)	✓	✓	✓	✓	✓	-

		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		ECAS	ECAS (WABCO)	✓	✓	✓	✓	✓	-
		INHIBITOR	RANGE INHIBITOR	-	-	-	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-
2010	D6CC (L-ENG)	DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
Trago (KOR)	D6CD (L-ENG)	Engine	D6CD (L-ENG)	✓	✓	✓	✓	✓	-
		AT	Astronic ATM2 (ZF16AS23)	✓	✓	✓	✓	✓	-
		ABS/EBS	ABS/EBS (WABCO)	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		ECAS	ECAS (WABCO)	✓	✓	✓	✓	✓	-
		INHIBITOR	RANGE INHIBITOR	-	-	-	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
			DIS	✓	✓	✓	✓	-	-
	D6CE (L-ENG)	Engine	D6CE (L-ENG)	✓	✓	✓	✓	✓	-
		AT	Astronic ATM2 (ZF16AS23)	✓	✓	✓	✓	✓	-
		ABS/EBS	ABS/EBS (WABCO)	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		ECAS	ECAS (WABCO)	✓	✓	✓	✓	✓	-
		INHIBITOR	RANGE INHIBITOR	-	-	-	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
			DIS	✓	✓	✓	✓	-	-
2000	D6HA (H-ENG)	Engine	D6HA (H-ENG)	✓	✓	✓	✓	✓	-
		AT	Astronic ATM2 (ZF16AS23)	✓	✓	✓	✓	✓	-
		AT	ABS/EBS (WABCO)	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		ECAS	ECAS (WABCO)	✓	✓	✓	✓	✓	-
		INHIBITOR	RANGE INHIBITOR	-	-	-	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-

		Engine	D6CC (L-ENG)	✓	✓	✓	✓	✓	-
2007	D6CC (L-ENG)	AT	Astronic ATM2 (ZF16AS23)	✓	✓	✓	✓	✓	-
		ABS/EBS	ABS/EBS (WABCO)	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		ECAS	ECAS (WABCO)	✓	✓	✓	✓	✓	-
		INHIBITOR	RANGE INHIBITOR	-	-	-	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
		Engine	D6HA (H-ENG)	✓	✓	✓	✓	✓	-
2008	D6HA (H-ENG)	AT	Astronic ATM2 (ZF16AS23)	✓	✓	✓	✓	✓	-
		ABS/EBS	ABS/EBS (WABCO)	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		ECAS	ECAS (WABCO)	✓	✓	✓	✓	✓	-
		INHIBITOR	RANGE INHIBITOR	-	-	-	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
		Engine	D6CC (L-ENG)	✓	✓	✓	✓	✓	-
2009	D6CC (L-ENG)	AT	Astronic ATM2 (ZF16AS23)	✓	✓	✓	✓	✓	-
		ABS/EBS	ABS/EBS (WABCO)	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		ECAS	ECAS (WABCO)	✓	✓	✓	✓	✓	-
		INHIBITOR	RANGE INHIBITOR	-	-	-	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
		Engine	D6CB (L-ENG)	✓	✓	✓	✓	✓	-
2010	D6CB (L-ENG)	AT	Astronic ATM2 (ZF16AS23)	✓	✓	✓	✓	✓	-
		ABS/EBS	ABS/EBS (WABCO)	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		ECAS	ECAS (WABCO)	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-

		Engine	D6CB (L-ENG)	✓	✓	✓	✓	✓	-
2007	D6CB (L-ENG)	AT	Astronic ATM2 (ZF16AS23)	✓	✓	✓	✓	✓	-
		ABS/EBS	ABS/EBS (WABCO)	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		ECAS	ECAS (WABCO)	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
2011	D6CC (L-ENG)	Engine	D6CC (L-ENG)	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
	D6CB (L-ENG)	Engine	D6CB (L-ENG)	✓	✓	✓	✓	✓	-
			D6CB (Euro 4 Injection)	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
	D6CA (L-ENG)	Engine	D6CA (L-ENG)	✓	✓	✓	✓	✓	-
			D6CA (Euro 4 Injection)	✓	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
	D6AB	Engine	D6AB	✓	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
	D6AC	BCM	BCM	✓	✓	✓	✓	✓	-
	D6AV	BCM	BCM	✓	✓	✓	✓	✓	-
	D6HA (H-ENG)	Engine	D6HA (H-ENG)	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		ADR	ADR	✓	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
	D6CC (L-ENG)	Engine	D6CC (L-ENG)	✓	✓	✓	✓	✓	-
			D6CC (L-ENG JAPAN)	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-

			D6CB	✓	✓	✓	✓	✓	-
Universe	2010	D6CB	Engine	D6CB	✓	✓	✓	✓	-
				D6CB (Euro 4 Injection)	✓	✓	✓	✓	-
			INTARDER	ZF Intarder	✓	✓	✓	✓	-
			BCM	BCM	✓	✓	✓	✓	-
			DTG/DIS	DTG/DIS	✓	✓	✓	-	-
	D6CA	Engine	D6CA		✓	✓	✓	✓	-
				D6CA (Eruo 4 Injection)	✓	✓	✓	✓	-
	D6AB	BCM	BCM		✓	✓	✓	✓	-
		Engine	D6AB		✓	✓	✓	✓	-
			BCM	BCM	✓	✓	✓	✓	-
2009	D6AC	BCM	BCM		✓	✓	✓	✓	-
		D6AV	BCM	BCM	✓	✓	✓	✓	-
	D6CC (L-ENG)	Engine	D6CC (L-ENG JAPAN)		✓	✓	✓	✓	-
			INTARDER	ZF Intarder	✓	✓	✓	✓	-
			BCM	BCM	✓	✓	✓	✓	-
	D6CB	DTG/DIS	DTG/DIS		✓	✓	✓	-	-
			DTG		✓	-	-	✓	-
		Engine	D6CB		✓	✓	✓	✓	-
				D6CB (Euro 4 Injection)	✓	✓	✓	✓	-
			INTARDER	ZF Intarder	✓	✓	✓	✓	-
	D6CA	BCM	BCM		✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS		✓	✓	✓	-	-
			DTG		✓	-	-	✓	-
2008	D6AB	Engine	D6CA		✓	✓	✓	✓	-
				D6CA (Eruo 4 Injection)	✓	✓	✓	✓	-
		BCM	BCM		✓	✓	✓	✓	-
		Engine	D6AB		✓	✓	✓	✓	-
			BCM	BCM	✓	✓	✓	✓	-
	D6AC	BCM	BCM		✓	✓	✓	✓	-
		D6AV	BCM	BCM	✓	✓	✓	✓	-
			DTG/DIS	DTG/DIS	✓	✓	✓	-	-
	D6CB	Engine	D6CB		✓	✓	✓	✓	-
			INTARDER	ZF Intarder	✓	✓	✓	✓	-
			BCM	BCM	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS		✓	✓	✓	-	-
			DTG		✓	-	-	✓	-
	D6CA	Engine	D6CA		✓	✓	✓	✓	-
				D6CA (Eruo 4 Injection)	✓	✓	✓	✓	-
		BCM	BCM		✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS		✓	✓	✓	-	-
			DTG		✓	-	-	✓	-
	D6AB	Engine	D6AB		✓	✓	✓	✓	-
				DTG/DIS	✓	✓	✓	-	-
		BCM	BCM		✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS		✓	✓	✓	-	-
			DTG		✓	-	-	✓	-
	D6AC	Engine	D6AB		✓	✓	✓	✓	-
				DTG/DIS	✓	✓	✓	-	-
		BCM	BCM		✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS		✓	✓	✓	-	-
			DTG		✓	-	-	✓	-
	D6AV	Engine	D6AB		✓	✓	✓	✓	-
				DTG/DIS	✓	✓	✓	-	-
		BCM	BCM		✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS		✓	✓	✓	-	-
			DTG		✓	-	-	✓	-

		Engine	D6CB	✓	✓	✓	✓	✓	-
2007	D6CB	INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
		Engine	D6CA	✓	✓	✓	✓	✓	-
2007	D6CA	BCM	BCM	✓	✓	✓	✓	✓	-
		Engine	D6AB	✓	✓	✓	✓	✓	-
	D6AB	BCM	BCM	✓	✓	✓	✓	✓	-
		Engine	D6AC	✓	✓	✓	✓	✓	-
	D6AV	BCM	BCM	✓	✓	✓	✓	✓	-
2011	D6HA (H-ENG)	Engine	D6HA (H-ENG)	✓	✓	✓	✓	✓	-
			D6HA (H-ENG 10EM)	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		ADR	ADR	✓	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
			DIS	✓	✓	✓	✓	-	-
	D6CC (L-ENG)	Engine	D6CC (L-ENG)	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		ADR	ADR	✓	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
	D6CD (L-ENG)	Engine	D6CD (L-ENG)	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		ADR	ADR	✓	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
			DIS	✓	✓	✓	✓	-	-
2011	C6AC (Q-CNG)	Engine	C6AC (Q-CNG)	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		ADR	ADR	✓	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-

			DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
		Engine	C6AE (Q-CNG)	✓	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		ADR	ADR	✓	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-
			DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
			DIS	✓	✓	✓	✓	-	-
		Engine	D6HA (H-ENG)	✓	✓	✓	✓	✓	-
			D6HA (H-ENG 10EM)	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		ADR	ADR	✓	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-
			DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
			DIS	✓	✓	✓	✓	-	-
		Engine	D6CC (L-ENG)	✓	✓	✓	✓	✓	-
			INTARDER	ZF Intarder	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		ADR	ADR	✓	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-
			DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
		Engine	D6CD (L-ENG)	✓	✓	✓	✓	✓	-
			INTARDER	ZF Intarder	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		ADR	ADR	✓	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-
			DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
			DIS	✓	✓	✓	✓	-	-
		Engine	C6AC (Q-CNG)	✓	✓	✓	✓	✓	-
			INTARDER	ZF Intarder	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		ADR	ADR	✓	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-
			DTG/DIS	✓	✓	✓	✓	-	-

Universe (K  
OR)

2010

		DTG	✓	-	-	✓	-	-
2009	C6AE (Q-CNG)	Engine	C6AE (Q-CNG)	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	-
		ADR	ADR	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-
			DTG	✓	-	-	✓	-
			DIS	✓	✓	✓	✓	-
2009	D6HA (H-ENG)	Engine	D6HA (H-ENG)	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	-
		ADR	ADR	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	-
		DTG/DIS	DTG	✓	-	-	✓	-
2009	D6CC (L-ENG)	Engine	D6CC (L-ENG)	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	-
		ADR	ADR	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-
			DTG	✓	-	-	✓	-
	C6AC (Q-CNG)	Engine	C6AC (Q-CNG)	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	-
		ADR	ADR	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-
2009	D6HA (H-ENG)		DTG	✓	-	-	✓	-
	Engine	D6HA (H-ENG)	✓	✓	✓	✓	-	
	INTARDER	ZF Intarder	✓	✓	✓	✓	-	
	BCM	BCM	✓	✓	✓	✓	-	
	ADR	ADR	✓	✓	✓	✓	-	
	LDWS	LDWS	✓	✓	✓	✓	-	
	DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
		DTG	✓	-	-	✓	-	-
	D6CC (L-ENG)	Engine	D6CC (L-ENG)	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	-
		ADR	ADR	✓	✓	✓	✓	-

		LDWS	LDWS	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
2008	D6CB (L-ENG)	Engine	D6CB (L-ENG)	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		ETACS	ETACS	✓	-	-	✓	-	-
		ADR	ADR	✓	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
		Engine	C6AC (Q-CNG)	✓	✓	✓	✓	✓	-
2007	D6CB (L-ENG)	INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		ADR	ADR	✓	✓	✓	✓	✓	-
		LDWS	LDWS	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG/DIS	✓	✓	✓	✓	-	-
			DTG	✓	-	-	✓	-	-
		Engine	D6CB (L-ENG)	✓	✓	✓	✓	✓	-
2011	D6CC (L-ENG)	INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG	✓	-	-	✓	-	-
		Engine	D6HA (H-ENG)	✓	✓	✓	✓	✓	-
	D6HA (H-ENG)	INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG	✓	-	-	✓	-	-
		Engine	D6CC (L-ENG)	✓	✓	✓	✓	✓	-
New Granbird	D6CC (L-ENG)	INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG	✓	-	-	✓	-	-
		Engine	D6HA (H-ENG)	✓	✓	✓	✓	✓	-
	D6HA (H-ENG)	INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-
		BCM	BCM	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG	✓	-	-	✓	-	-
		Engine	D6CC (L-ENG)	✓	✓	✓	✓	✓	-
	INTARDER	ZF Intarder	✓	✓	✓	✓	✓	-	-

		D6CC (L-ENG)	BCM	BCM	✓	✓	✓	✓	✓	✓	-
2009	D6HA (H-ENG)	DTG/DIS	DTG		✓	-	-	✓	-	-	-
		Engine	D6HA (H-ENG)		✓	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder		✓	✓	✓	✓	✓	✓	-
		BCM	BCM		✓	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG		✓	-	-	✓	-	-	-
2008	D6CC (L-ENG)	Engine	D6CC (L-ENG)		✓	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder		✓	✓	✓	✓	✓	✓	-
		BCM	BCM		✓	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG		✓	-	-	✓	-	-	-
	D6HA (H-ENG)	Engine	D6HA (H-ENG)		✓	✓	✓	✓	✓	✓	-
		INTARDER	ZF Intarder		✓	✓	✓	✓	✓	✓	-
		BCM	BCM		✓	✓	✓	✓	✓	✓	-
		DTG/DIS	DTG		✓	-	-	✓	-	-	-
Granbird	2007	D6CB (L-ENG)	Engine	D6CB (L-ENG)	✓	✓	✓	✓	✓	✓	-
	2006	D6CB (L-ENG)	Engine	D6CB (L-ENG)	✓	✓	✓	✓	✓	✓	-
	2005	D6CB (L-ENG)	Engine	D6CB (L-ENG)	✓	✓	✓	✓	✓	✓	-
	2004	D6CA (L-ENG)	Engine	D6CA (L-ENG)	✓	✓	✓	✓	✓	✓	-
		D6CB (L-ENG)	Engine	D6CB (L-ENG)	✓	✓	✓	✓	✓	✓	-
	2003	D6CA (L-ENG)	Engine	D6CA (L-ENG)	✓	✓	✓	✓	✓	✓	-
		D6AB (Q-ENG)	Engine	D6AB (Q-ENG)	✓	✓	✓	✓	✓	✓	-
	2002	D6CA (L-ENG)	Engine	D6CA (L-ENG)	✓	✓	✓	✓	✓	✓	-
		D6AB (Q-ENG)	Engine	D6AB (Q-ENG)	✓	✓	✓	✓	✓	✓	-
	2001	D6CA (L-ENG)	Engine	D6CA (L-ENG)	✓	✓	✓	✓	✓	✓	-
		D6AB (Q-ENG)	Engine	D6AB (Q-ENG)	✓	✓	✓	✓	✓	✓	-
	KM928	2004	D6AB (Q-ENG)	Engine	D6AB (Q-ENG)	✓	✓	✓	✓	✓	-
		2003	D6AB (Q-ENG)	Engine	D6AB (Q-ENG)	✓	✓	✓	✓	✓	-
		2001	D6AB (Q-ENG)	Engine	D6AB (Q-ENG)	✓	✓	✓	✓	✓	-

Remark: ✓ means the system has the function -means not



## FCAR F3 Diagnosis list

Automaker:	Internation
Software Version:	V6.3

Models	System	System	Function					
			Version info.	Readout DTC	History DTC	Clear DTC	Readout Data stream	Remark(other functions)
Internation	J1708 Diagnosis protocol		-	√	-	√	√	-
	J1939 Diagnosis protocol	engineSystem	-	√	√	√	√	-

Remarks: √ means the system has this function - means not supported at this moment.



# CAR F3 Diagnostic List

(Note: for reference only)

Automaker:	Isuzu
Version:	V6.0

Model	Model Year	System	System	System	Function					
					Edition Info.	Read DTC	Clear DTC	Read Data Stream	Actuation test	Remark (Other functions)
N Series Truck		Engine	4HK1-TC (C/Rail)		√	√	√	√	√	Special Function, Programming Function
			4JJ1-TC (C/Rail)		√	√	√	√	√	Special Function, Programming Function
F&G Series Truck		Engine	4HK1-TC (C/Rail)		√	√	√	√	√	Special Function, Programming Function
			6HK1-TC (C/Rail)		√	√	√	√	√	Special Function, Programming Function
C&E Series Truck		Engine	6WG1-TC (C/Rail)		√	√	√	√	√	Special Function, Programming Function
			6HK1-TC (C/Rail)		√	√	√	√	√	Special Function, Programming Function
LT&LV Series 2010 Bus		Engine	2.4L LG1 Euro3		√	√	√	√	√	Special Function, Programming Function
			2.5L 4JK1-TC (Delphi)		√	√	√	√	√	Special Function, Programming Function
TF&UC Series		Engine	2.5L 4JK1-TC (TransTron)		√	√	√	√	√	Special Function, Programming Function
			3.0L 4JJ1-TC (Delphi)		√	√	√	√	√	Special Function, Programming Function
		Chassis	3.0L 4JJ1-TC (TransTron)	ABS	√	√	√	√	√	Special Function, Programming Function
			ABS		√	√	√	√	√	

			4HK1-TC (C/Rail)	√	√	√	√	√	Special Function, Programming Function
									Special Function, Programming Function
N Series Truck	Engine	4JJ1-TC (C/Rail)	√	√	√	√	√	-	Special Function
									Special Function
F&G Series Truck	Body	Immobiliser	√	√	√	√	√	-	Special Function
									Special Function
C&E Series Truck	Engine	4HK1-TC (C/Rail)	√	√	√	√	√	-	Special Function
									Special Function
2009 LT&LV Series Bus	Engine	6WG1-TC (C/Rail)	√	√	√	√	√	-	Special Function, Programming Function
									Special Function, Programming Function
		6HK1-TC (C/Rail)	√	√	√	√	√	-	Special Function, Programming Function
									Special Function, Programming Function
		2.4L LG1 Euro3	√	√	√	√	√	-	Special Function, Programming Function
									Special Function, Programming Function
		2.5L 4JK1-TC (Delphi)	√	√	√	√	√	-	Special Function, Programming Function
									Special Function, Programming Function
		2.5L 4JK1-TC (TransTron)	√	√	√	√	√	-	Special Function, Programming Function
									Special Function, Programming Function
		3.0L 4JJ1-TC (Delphi)	√	√	√	√	√	-	Special Function, Programming Function
									Special Function, Programming Function
		3.0L 4JJ1-TC (TransTron)	√	√	√	√	√	-	Special Function, Programming Function
									Special Function, Programming Function
		ABS	√	√	√	√	√	-	Special Function, Programming Function
									Special Function, Programming Function
		4HK1/4JJ1 CRail Euro2	√	√	√	√	√	-	Special Function, Programming Function
									Special Function, Programming Function
		4HK1/4JJ1 CRail Euro3	√	√	√	√	√	-	Special Function, Programming Function
									Special Function, Programming Function

2008	N series truck	Engine control unit	4HV1 CNG	✓	✓	✓	✓	✓	Programming Function
			4HK1-TC (C/Rail)	✓	✓	✓	✓	✓	Special Function, Programming
			4JJ1-TC (C/Rail)	✓	✓	✓	✓	✓	Special Function, Programming
			6HK1-TC	✓	✓	✓	✓	✓	Programming, Reset fuel pump calibration
			144 Vehicle control unit V-MAC IV		✓	✓	✓	✓	-
	C, Eseries truck	Engine control unit	4JB1-TCT/TC1		✓	✓	✓	✓	Match/Set
			144 vehicle control unit V-MAC IV		✓	✓	✓	✓	-
	F&G Series Truck	Engine	6WG1-TC (Common rail) (can)	✓	✓	✓	✓	✓	Programming, Reset fuel pump calibration
			6WG1-TC (Common rail)	✓	✓	✓	✓	✓	Advanced Function
			4HK1-TC (C/Rail)	✓	✓	✓	✓	✓	Special Function, Programming Function
			6HK1-TC (C/Rail)	✓	✓	✓	✓	✓	Special Function, Programming Function
			Immobiliser	✓	✓	✓	✓	-	Special Function
	LT&LV Series Bus Engine	Body	6HK1-TC (C/Rail)	✓	✓	✓	✓	✓	Special Function, Programming Function
			2.4L LG1 Euro3	✓	✓	✓	✓	✓	Special Function, Programming Function
			2.5L 4JK1-TC (Delphi)	✓	✓	✓	✓	✓	Special Function, Programming Function
	TF&UC Series	Engine	2.5L 4JK1-TC (TransTron)	✓	✓	✓	✓	✓	Special Function, Programming Function

ISUZU Heavy Duty	2007	N series truck	Chassis	3.0L 4JJ1-TC (Delphi)	✓	✓	✓	✓	✓	Special Function, Programming Function
				3.0L 4JJ1-TC (TransTron)	✓	✓	✓	✓	✓	Special Function, Programming Function
				ABS	✓	✓	✓	✓	✓	
			Engine control unit	4HK1/4JJ1 CRail_Euro2	✓	✓	✓	✓	✓	Special Function, Programming Function
				4HK1/4JJ1 CRail Euro3	✓	✓	✓	✓	✓	Special Function, Programming
				4HK1-TC (C/Rail)	✓	✓	✓	✓	✓	Special Function, Programming
				4JJ1-TC (C/Rail)	✓	✓	✓	✓	✓	Special Function, Programming
				4HV1 CNG	✓	✓	✓	✓	✓	Programming Function
			144 Vehicle control unit V-MAC IV		✓	✓	✓	✓	-	-
					✓	✓	✓	✓	-	-
				4JB1-TCT/TC1	✓	✓	✓	✓	-	Match/Set
		C, Eseries truck	F&G Series Truck Engine	Engine control unit	6WG1-TC (Common rail) (can)					
					✓	✓	✓	✓	✓	Advanced Function
			LT&LV Series Bus Engine		6WG1-TC (Common rail)					
					✓	✓	✓	✓	✓	Special Function, Programming Function
					6HK1-TC (C/Rail)	✓	✓	✓	✓	Special Function, Programming Function
					6HK1-TC (C/Rail)	✓	✓	✓	✓	Special Function, Programming Function

			2.4L LG1 Euro3	✓	✓	✓	✓	✓	Special Function, Programming Function
		Engine	2.5L 4JK1-TC (Delphi)	✓	✓	✓	✓	✓	Special Function, Programming Function
			3.0L 4JJ1-TC (Delphi)	✓	✓	✓	✓	✓	Special Function, Programming Function
		Chassis	ABS	✓	✓	✓	✓	✓	
2006	(C, F, L, E) Heavy-Medium Duty	Engine control unit	6WF1-TC (C/Rail)	✓	✓	✓	✓	-	-
		Chassis	ESC (with EBS)	✓	✓	✓	✓	-	-
			ABS 6	✓	✓	✓	✓	-	-
		144 Vehicle control unit		✓	✓	✓	✓	-	-
	TF&UC Series	Engine	2.4L LG1 Euro3	✓	✓	✓	✓	✓	Special Function, Programming
		Chassis	ABS	✓	✓	✓	✓	✓	
			Immobiliser	✓	✓	✓	✓	-	Special Function
2005	(N) ELF, NPR, NQR, VFR	Engine control unit	4JH1-TC Bosch	✓	✓	✓	✓	✓	Programming Function
		144 Vehicle control unit V-MAC IV		✓	✓	✓	✓	-	-
	(C, F, L, E) Heavy-Medium Duty	Engine control unit	6WF1-TC (C/Rail)	✓	✓	✓	✓	-	-
		Chassis	ESC (with EBS)	✓	✓	✓	✓	-	-
			ABS 6	✓	✓	✓	✓	-	-
		144 Vehicle control unit V-MAC IV		✓	✓	✓	✓	-	-

	KV/KR Bus Series	Chassis	ABS 6	✓	✓	✓	✓	–	–
2004	(C, F, L, E) Heavy-Medium Duty	Engine control unit	6WF1-TC (C/Rail)	✓	✓	✓	✓	–	–
		144 Vehicle control unit V-MAC IV		✓	✓	✓	✓	–	–
[5]2005	(TF/UC) LUV, Rodeo/Frontier, LA0-Rodeo	Power System	2.5L 4JK1-TC	✓	✓	✓	✓	✓	Nozzle data
			3.0L 4JJ1-TC	✓	✓	✓	✓	✓	Nozzle data
			4JH1-T Denso	✓	✓	✓	✓	✓	
		Chassis System	Anti-lock braking System (ABS)	–	✓	✓	✓	–	–
			Supplemental Inflatable Restraint	–	✓	✓	✓	–	–
		Body System	3.2L V6 6VD1	✓	✓	✓	✓	–	–
			3.2L V6 6VD1 Hitachi	✓	✓	✓	✓	–	–
[4]2004	(UE) Rodeo/Amigo, Wizard/MU	Power System	Anti-lock braking System (ABS)	–	✓	✓	✓	–	–
			Supplemental Inflatable Restraint	–	✓	✓	✓	–	–
			2.5L 4JK1-TC	✓	✓	✓	✓	✓	Nozzle data
		(TF/UC) LUV, Rodeo/Frontier, LA0-Rodeo	3.0L 4JJ1-TC	✓	✓	✓	✓	✓	Nozzle data
			4JH1-T Denso	✓	✓	✓	✓	✓	
			Anti-lock braking System (ABS)	–	✓	✓	✓	–	–
		Body System	Supplemental Inflatable Restraint	–	✓	✓	✓	–	–
			3.0L L4 4JX1	✓	✓	✓	✓	–	–

[3]2003	(UB) Trooper, Bighorn	Power System	3.2L V6 6VD1	✓	✓	✓	✓	-	-
			3.5L V6 6VE1	✓	✓	✓	✓	-	-
		Body System	Supplemental Inflatable Restraint		✓	✓	✓	-	-
	(UE) Rodeo/Amigo, Wizard/MU	Power System	3.0L L4 4JX1	✓	✓	✓	✓	-	-
			3.2L V6 6VD1	✓	✓	✓	✓	-	-
		Chassis System	Anti-lock braking System (ABS)	-	✓	✓	✓	-	-
		Body System	Supplemental Inflatable Restraint	-	✓	✓	✓	-	-
	(UP) Axiom	Power System	3.5L V6 6VE1	✓	✓	✓	✓	-	-
		Chassis System	Anti-lock braking System (ABS)	-	✓	✓	✓	-	-
		Body System	Supplemental Inflatable Restraint	-	✓	✓	✓	-	-
	(TF/UC) LUV, Rodeo/Frontier, LA0-Rodeo	Power System	D-MAX(4JH1-T Denso)	✓	✓	✓	✓	✓	-
			2.XL L4 HV240	✓	✓	✓	✓	-	-
		Chassis System	Anti-lock braking System (ABS)	-	✓	✓	✓	-	-
		Body System	Supplemental Inflatable Restraint	-	✓	✓	✓	-	-
		(TBR)	Power System	2.XL L4 HV240	✓	✓	✓	✓	-
	(UB) Trooper, Bighorn	Power System	3.0L L4 4JX1	✓	✓	✓	✓	-	-
			3.2L V6 6VD1	✓	✓	✓	✓	-	-
			3.5L V6 6VE1	✓	✓	✓	✓	-	-
		Body System	Supplemental Inflatable Restraint	-	✓	✓	✓	-	-
		Power System	2.0L L4 X22SE	✓	✓	✓	✓	-	-
			3.2L V6 6VD1	✓	✓	✓	✓	-	-
			3.5L V6 6VE1	✓	✓	✓	✓	-	-

[2]2002	(UE) Rodeo/Amigo, Wizard/MU	Chassis System	Anti-lock braking System ( <u>ABS</u> )	-	✓	✓	✓	-	-
		Body System	Supplemental Inflatable Restraint	-	✓	✓	✓	-	-
	(UP) Axiom	Power System	3.5L V6 6VE1	✓	✓	✓	✓	-	-
		Chassis System	Anti-lock braking System ( <u>ABS</u> )	-	✓	✓	✓	-	-
		Body System	Supplemental Inflatable Restraint	-	✓	✓	✓	-	-
	TF/UC Thailand	Power System	4JH1-T Denso	✓	✓	✓	✓	✓	-
	(TF/UC) LUV, Rodeo/Frontier, LA0-Rodeo	Power System	D-MAX (4JH1-T Denso)	✓	✓	✓	✓	✓	-
			4ZE1	-	✓	✓	✓	-	-
			2.0L L4 SOHC	✓	✓	✓	✓	-	-
			2.2L L4 SOHC	✓	✓	✓	✓	-	-
			3.2L V6 6VD1 Hitach	✓	✓	✓	✓	-	-
		Body System	Supplemental Inflatable Restraint	-	✓	✓	✓	-	-
	(UB) Trooper, Bighorn	Power System	3.0L L4 4JX1	✓	✓	✓	✓	-	-
			3.2L V6 6VD1	✓	✓	✓	✓	-	-
			3.5L V6 6VE1	✓	✓	✓	✓	-	-
		Body System	Supplemental Inflatable Restraint	-	✓	✓	✓	-	-
	(UE) Rodeo/Amigo, Wizard/MU	Power System	2.0L L4 X22SE	✓	✓	✓	✓	-	-
			3.0L L4 4JX1	✓	✓	✓	✓	-	-
			3.2L V6 6VD1	✓	✓	✓	✓	-	-
		Chassis System	Anti-lock braking System ( <u>ABS</u> )	-	✓	✓	✓	-	-
		Body System	Supplemental Inflatable Restraint	-	✓	✓	✓	-	-

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Duty

[1]2001	(UC) Frontier, LA0 -Rodeo	Power System	4ZE1	-	✓	✓	✓	-	-	
			3.2L V6 6VD1 Hitachi	✓	✓	✓	✓	-	-	
		Body System	Supplemental Inflatable Restraint	-	✓	✓	✓	-	-	
	(TF) LUV	Power System	2.0L L4 SOHC	✓	✓	✓	✓	-	-	
			2.2L L4 SOHC	✓	✓	✓	✓	-	-	
		Power System	3.2L V6 6VD1 Hitachi	✓	✓	✓	✓	-	-	
			Body System	Supplemental Inflatable Restraint	-	✓	✓	✓	-	
	TF/UC Thailand	Power System	D-MAX(4JH1-T Denso)	✓	✓	✓	✓	✓	-	
	(TBR)	Power System	2.0L L4 SOHC	✓	✓	✓	✓	-	-	
	(UB) Trooper, Bighorn	Power System	3.0L L4 4JX1	✓	✓	✓	✓	-	-	
			3.2L V6 6VD1	✓	✓	✓	✓	-	-	
			3.5L V6 6VE1	✓	✓	✓	✓	-	-	
		Body System	Supplemental Inflatable Restraint		✓	✓	✓	-	-	
		Power System	2.0L L4 X22SE	✓	✓	✓	✓	-	-	
	(UE) Rodeo/Amigo, Wizard/MU		3.0L L4 4JX1	✓	✓	✓	✓	-	-	
			3.2L V6 6VD1	✓	✓	✓	✓	-	-	
	Chassis System	Anti-lock braking System ( <u>ABS</u> )	-	✓	✓	✓	-	-		
	Body System	Supplemental Inflatable Restraint	-	✓	✓	✓	-	-		
	(UG) V-Cross	Power System	3.2L V6 6VD1	✓	✓	✓	✓	-	-	
			3.5L V6 6VE1	✓	✓	✓	✓	-	-	

[Y] 2000		Body System	Supplemental Inflatable Restraint	-	✓	✓	✓	-	-	
(UC) Frontier, LA0-Rodeo	Power System	4ZE1	-	✓	✓	✓	✓	-	-	
		3.2L V6 6VD1 Hitachi	✓	✓	✓	✓	✓	-	-	
	Body System	Supplemental Inflatable Restraint			✓	✓	✓	-	-	
	Power System	2.0L L4 SOHC	✓	✓	✓	✓	-	-	-	
(TF) LUV		2.2L L4 SOHC	✓	✓	✓	✓	-	-	-	
		3.2L V6 6VD1 Hitachi	✓	✓	✓	✓	-	-	-	
Body System	Supplemental Inflatable Restraint	-	✓	✓	✓	-	-	-		
(TBR)	Power System	2.0L L4 SOHC	✓	✓	✓	✓	-	-	-	
[X] 1999	(UB) Trooper, Bighorn	Power System	3.0L L4 4JX1	✓	✓	✓	✓	-	-	
			3.2L V6 6VD1	✓	✓	✓	✓	-	-	
			3.5L V6 6VE1	✓	✓	✓	✓	-	-	
		Body System	Supplemental Inflatable	-	✓	✓	✓	-	-	
	(UE) Rodeo/Amigo, Wizard/MU	Power System	2.0L L4 X22SE	✓	✓	✓	✓	-	-	
			3.0L L4 4JX1	✓	✓	✓	✓	-	-	
			3.2L V6 6VD1	✓	✓	✓	✓	-	-	
		Chassis System	Anti-lock braking System (ABS)	-	✓	✓	✓	-	-	
	(UG) V-Cross</NAME>	Body System	Supplemental Inflatable Restraint	-	✓	✓	✓	-	-	
		Power System	3.2L V6 6VD1	✓	✓	✓	✓	-	-	
			3.5L V6 6VE1	✓	✓	✓	✓	-	-	
		Body System	Supplemental Inflatable Restraint	-	✓	✓	✓	-	-	

	(UC) Frontier, LA0 -Rodeo	Power System	3.2L V6 6VD1 Hitachi	✓	✓	✓	✓	-	-
[W] 1998	(TF) LUV	Power System	2.0L L4 SOHC	✓	✓	✓	✓	-	-
			2.2L L4 SOHC	✓	✓	✓	✓	-	-
			3.2L V6 6VD1 Hitachi	✓	✓	✓	✓	-	-
			2.2L L4 SOHC	✓	✓	✓	✓	-	-
(UE) Rodeo/Amigo, Wizard/MU	(UB) Trooper, Bighorn	Power System	3.0L L4 4JX1	✓	✓	✓	✓	-	-
			3.2L V6 6VD1	✓	✓	✓	✓	-	-
			3.5L V6 6VE1	✓	✓	✓	✓	-	-
	(UE) Rodeo/Amigo, Wizard/MU	Body System	Supplemental Inflatable Restraint	-	✓	✓	✓	-	-
			2.0L L4 X22SE	✓	✓	✓	✓	-	-
			3.0L L4 4JX1	✓	✓	✓	✓	-	-
	(UE) Rodeo/Amigo, Wizard/MU	Chassis System	3.2L V6 6VD1	✓	✓	✓	✓	-	-
			Anti-lock braking System (ABS)	-	✓	✓	✓	-	-
			Supplemental Inflatable Restraint	-	✓	✓	✓	-	-
	(TF) LUV	Power System	2.0L L4 SOHC	✓	✓	✓	✓	-	-
			2.2L L4 SOHC	✓	✓	✓	✓	-	-
[W] 1999			2.0L L4 SOHC	✓	✓	✓	✓	-	-
			2.2L L4 SOHC	✓	✓	✓	✓	-	-
			2.5L 4JK1-TC	✓	✓	✓	✓	✓	Nozzle data
			3.0L 4JJ1-TC	✓	✓	✓	✓	✓	Nozzle data
			4JH1-T Denso	✓	✓	✓	✓	✓	-
			3.2L V6 6VD1	✓	✓	✓	✓	-	-
			4ZE1 BENIX	-	✓	✓	✓	-	-
			3.5L V6 6VE1	✓	✓	✓	✓	-	-

Select by ECU		3.2L V6 6VD1 Hitachi	✓	✓	✓	✓	-	-
		2.2L L4 X22SE	✓	✓	✓	✓	-	-
		2. XL L4 HV240	✓	✓	✓	✓	-	-
		3.0L L4 4JX1	✓	✓	✓	✓	-	-
		Anti-lock braking System (ABS)	-	✓	✓	✓	-	-
		Supplemental Inflatable Restraint1	-	✓	✓	✓	-	-
		Supplemental Inflatable Restraint2	-	✓	✓	✓	-	-

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



FCAR F3 Diagnostic List (Note: for reference only)

Automaker:	Isuzu Qingling
Version:	v9.0

Model	System	System	Function						
			Version Info	Rear DTC	Erase DTC	Read Data stream	Action test	Injector data	Remark (other functions)
EURO 2 engine	6W*1(RED4)	✓	✓	✓	✓	—	—	—	—
	6DS1(C/Rail)	✓	✓	✓	✓	—	—	—	—
4HL1	4HL1 engine	—	✓	✓	✓	✓	✓	✓	—
	ABS	—	✓	✓	—	✓	—	—	—
	SRS	—	✓	✓	✓	—	—	—	—
	HSA/CFS	✓	✓	✓	—	—	—	—	—
4HL1-TC	4HL1-TC engine	—	✓	✓	✓	✓	✓	✓	—
	ABS	—	✓	✓	—	✓	—	—	—
	SRS	—	✓	✓	✓	—	—	—	—
	HSA/CFS	✓	✓	✓	✓	—	—	—	—
4HL1-NA	4HL1-NA engine	—	✓	✓	✓	✓	✓	✓	DPD Forced Regeneration; DPD Regeneration Data Reset
	ABS	—	✓	✓	—	✓	—	—	—
	SRS	—	✓	✓	✓	—	—	—	—
	HSA/CFS	✓	✓	✓	—	—	—	—	—
4HE1-TC		✓	✓	✓	✓	—	—	—	—
4JX1 (3.0 L4)		✓	✓	✓	✓	—	—	—	—
4HJ1-TC (02.06--03.04)		—	✓	✓	✓	✓	✓	—	—
6WG1-TC	POWERTRAIN	—	✓	✓	✓	✓	—	—	—
	ABS	✓	✓	✓	✓	✓	—	—	—
	Airbag	—	✓	✓	✓	—	—	—	—
	HSA/CFS	✓	✓	✓	—	—	—	—	—
4HK1-TC	Euro 2/Euro 3	✓	✓	✓	✓	✓	—	—	—
	Euro 4	✓	✓	✓	✓	✓	✓	—	—
	Euro 5	✓	✓	✓	✓	✓	✓	✓	—
	ABS	—	✓	✓	—	—	—	—	—
	Airbag	—	✓	✓	✓	—	—	—	—

	Smoother	-	✓	✓	✓	-	-	-
	Immobilizer	✓	✓	-	✓	-	-	-
2.0L L4 SOHC		✓	✓	✓	✓	-	-	-
2.2L L4 SOHC		✓	✓	✓	✓	-	-	-
2.5L 4JK1-TC		-	✓	✓	✓	✓	✓	-
3.0L 4JJ1-TC		-	✓	✓	✓	✓	✓	-
4JH1-T Denso		-	✓	✓	✓	✓	-	-
3.2L V6 6VD1		-	✓	✓	✓	-	-	-
4ZE1		-	✓	✓	✓	-	-	-
3.5L V6 6VE1		-	✓	✓	✓	-	-	-
4JB1TEngine (Bosch diesel)		✓	✓	✓	✓	✓	✓	Engine test
Dachai Engine (Bosch diesel)		✓	✓	✓	✓	✓	✓	Engine test
Xichai Engine (Bosch diesel) 24V		✓	✓	✓	✓	✓	✓	Engine test
Chaochai Engine (Bosch diesel) 24V		✓	✓	✓	✓	✓	✓	Engine test
Cummins unit pump diesel Engine _24V		✓	✓	✓	✓	✓	✓	Engine test
Perkins diesel Engine _24V		✓	✓	✓	✓	✓	✓	Engine test
Weichai Engine		✓	✓	✓	✓	✓	-	Function test , Read freeze frame
6HK1-TC type engine		✓	✓	✓	✓	✓	✓	Fuel delivery rate, Reset fuel pump correction
6HK1E3S type engine		✓	✓	✓	✓	✓	✓	Fuel delivery rate, Reset fuel pump correction
6HE1-TC type engine		-	✓	-	✓	-	-	-
6SD1-TC type engine		-	✓	-	✓	-	-	-

	4JB1 type engine		–	✓	✓	✓	–	–	Read historical fault code
Isuzu Qingling g	4JH1-TC	4JH1-TC1	–	✓	✓	✓	–	–	Read historical fault code
		4JH1-TC2	–	✓	✓	✓	✓	–	–
4JJ1-TC		Euro 2/Euro 3	✓	✓	✓	✓	✓	✓	DPD Forced Regeneration; DPD Regeneration Data Reset
		Euro 4	✓	✓	✓	✓	✓	✓	–
		Euro 5	✓	✓	✓	✓	–	–	Read historical fault code
		ABS (Euro IV)	–	✓	✓	–	–	–	–
		Airbag	–	✓	✓	✓	–	–	–
		Smoother	–	✓	✓	✓	–	–	–
		Immobilizer	–	✓	✓	✓	–	–	–
	6UZ1-TC type engine		✓	✓	✓	✓	✓	✓	Fuel delivery rate, Reset fuel pump correction
	6HL1 type engine		✓	✓	✓	✓	✓	✓	Fuel delivery rate, Reset fuel pump correction
	6WF1-TC type engine		✓	✓	✓	✓	✓	✓	Fuel delivery rate, Reset fuel pump correction
	4KH1-TC		–	✓	✓	✓	✓	–	Special function
	Isuzu 4HF1(CNG) Engine system		✓	✓	✓	✓	✓	–	Programming

Isuzu 4JG2(LPG)	Engine system	✓	✓	✓	✓	✓	-	Programming
	ABS	-	✓	✓	-	✓	-	-
	Smoother	-	✓	✓	✓	-	-	-
Isuzu 4HV1(CNG)		✓	✓	✓	✓	✓	-	Programming
4HK1_TC(AT)		-	✓	✓	✓	✓	-	-
Isuzu Immobilizer)		✓	✓	✓	✓	-	-	-
4HG1(LPG)		✓	✓	✓	✓	✓	-	Programming
Isuzu 4JG2Engine system		-	✓	✓	✓	-	-	-
AT_JR405E		-	✓	✓	✓	✓	-	Programming
Engine (construction machinery)	4HK1 type engine	✓	✓	✓	✓	✓	✓	
	6HK1 type engine	✓	✓	✓	✓	✓	✓	
	4JJ1 type engine	✓	✓	✓	✓	✓	✓	
	6WG1 type engine	✓	✓	✓	✓	✓	✓	
	6UZ1 type engine	✓	✓	✓	✓	✓	✓	-
6WF1-TC	Engine system	✓	✓	✓	✓	✓	✓	-
	Chassis ESC(with EBS)	-	✓	✓	✓	-	-	-

	Chassis ABS 6	–	–	✓	✓	✓	–	Read current fault code, Read historical fault code
4JB1-TCT/TC1 type (100P)		✓	✓	✓	✓	–	–	Matching/Set
6WF1 (Euro 2)		–	✓	–	–	–	–	–
6HK1-TC300		–	✓	–	–	–	–	–
6HK1X2Engine system		–	✓	✓	✓	–	–	–
6HK1XREngine system		–	✓	✓	✓	–	–	–

Note: ✓ means the system has this function – means not



## FCAR F3 Diagnostic List (Note: for reference only)

Automaker:	Iveco
Version:	V5.3

Model	System	System	System	Function					
				Version Info.	Read DTCs	Clear DTCs	Read Data Stream	Actuation Test	Remark (Other Functions)
Daily	Eurocargo	EDC 16 BOSCH	EDC 16 BOSCH	✓	-	✓	✓	✓	-
			EDC MS6.3 BOSCH	✓	✓	✓	✓	✓	-
			ABS8/ASR8/ESP8 BOSCH	✓	✓	✓	✓	-	-
		EDC 7 BOSCH	EDC 7 BOSCH	✓	✓	✓	✓	-	Activate Diagnosis
		ABS 2X Knorr-BOSCH	ABS 2X Knorr-BOSCH	✓	✓	✓	✓	✓	-
		ECAS EUROCARGO RESTYLING	ECAS EUROCARGO RESTYLING	✓	✓	✓	✓	✓	-
		IBC EUROCARGO NEW	IBC EUROCARGO NEW	✓	✓	✓	✓	✓	-
		IC EUROCARGO NEW	IC EUROCARGO NEW	✓	✓	✓	✓	✓	-
		EDC MS6.2 BOSCH	EDC MS6.2 BOSCH	✓	✓	✓	✓	✓	-
		DeNoxtronic 2	DeNoxtronic 2	✓	✓	✓	✓	-	Activate Diagnosis
		VCM-anti-theft system	VCM-anti-theft system	✓	✓	✓	✓	✓	-
		Extended module	Extended module	✓	✓	✓	✓	-	-
		IVECO body controller	IVECO body controller	✓	✓	✓	✓	✓	-
		Instrument cluster	Instrument cluster	✓	✓	✓	✓	✓	-
		Driver's door module	Driver's door module	✓	✓	✓	✓	✓	-
		Passenger's door module	Passenger's door module	✓	✓	✓	✓	✓	-
stralis	stralis	EDC MS6.2 BOSCH	EDC MS6.2 BOSCH	✓	✓	✓	✓	✓	-
		EBS WABCO	EBS WABCO	✓	✓	✓	✓	✓	-
		EUROTRONIC 2	EUROTRONIC 2	✓	✓	✓	✓	✓	-
		ECAS UABCO CAN	ECAS UABCO CAN	✓	✓	✓	✓	✓	-
		BODY ECU	BODY ECU	✓	✓	✓	✓	✓	-
		Driver's door module	Driver's door module	✓	✓	✓	✓	✓	-
		Front frame ECU ECU	Front frame ECU ECU	✓	✓	✓	✓	✓	-
		Passenger's door module	Passenger's door module	✓	✓	✓	✓	✓	-
		WABCO-IVTM	WABCO-IVTM	✓	✓	✓	✓	-	-
		Instrument cluster	Instrument cluster	✓	✓	✓	✓	✓	-
		Air heater (STRALIS)	Air heater (STRALIS)	✓	✓	✓	✓	-	-
		DeNoxtronic	DeNoxtronic	✓	✓	✓	✓	✓	-
		DeNoxtronic 2	DeNoxtronic 2	✓	✓	✓	✓	-	Activate Diagnosis
		VCM-anti-theft system	VCM-anti-theft system	✓	✓	✓	✓	✓	-
		EDC 7 UC31	EDC 7 UC31	✓	✓	✓	✓	-	-
		CAB module	CAB module	✓	-	-	✓	✓	-
		BODY ECU 2	BODY ECU 2	✓	✓	✓	✓	✓	-

		Rear frame ECU	✓	✓	✓	✓	✓	-
IVECO	Trakker	EDC MS6.2 BOSCH	✓	✓	✓	✓	✓	-
		EUROTRONIC 2	✓	✓	✓	✓	✓	-
		ECAS UABCO CAN	✓	✓	✓	✓	✓	-
		BODY ECU Trakker	✓	✓	✓	✓	✓	-
		CAB module	✓	-	-	✓	✓	-
		Driver's door module	✓	✓	✓	✓	✓	-
		Front frame ECU ECU	✓	✓	✓	✓	✓	-
		Passenger's door module	✓	✓	✓	✓	✓	-
		Rear frame ECU	✓	✓	✓	✓	✓	-
		Instrument cluster	✓	✓	✓	✓	✓	-
		VCM-anti-theft system	✓	✓	✓	✓	✓	-
		Extended module	✓	✓	✓	✓	-	-
		Trakker chassis electronic module	✓	✓	✓	✓	-	-
		IVECO body controller	✓	✓	✓	✓	✓	-
		IC (Instrument Cluster) TRAKKER	✓	✓	✓	✓	✓	-
		DeNoxtronic 2	✓	✓	✓	✓	-	Activate Diagnosis
	EuroTech	EDC MS6.2 BOSCH	✓	✓	✓	✓	✓	-
		EBS WABCO	✓	✓	✓	✓	✓	-
		ABS D/E/E2	✓	✓	✓	✓	-	-
		EUROTRONIC 2	✓	✓	✓	✓	✓	-
IVECO	EuroStar	EDC MS6.2 BOSCH	✓	✓	✓	✓	✓	-
		EBS WABCO	✓	✓	✓	✓	✓	-
		EUROTRONIC 2	✓	✓	✓	✓	✓	-
	EuroTrakker	EDC MS6.2 BOSCH	✓	✓	✓	✓	✓	-
		EBS WABCO	✓	✓	✓	✓	✓	-
		EUROTRONIC 2	✓	✓	✓	✓	✓	-
	EuroFire	EDC 7 BOSCH	✓	✓	✓	✓	-	Activate Diagnosis
		ABS 2X Knorr-BOSCH	✓	✓	✓	✓	✓	-
		ECAS EUROCARGO RESTYLING	✓	✓	✓	✓	✓	-
		IBC EUROCARGO NEW	✓	✓	✓	✓	✓	-
		IVECO body controller	✓	✓	✓	✓	✓	-
		IC EUROCARGO NEW	✓	✓	✓	✓	✓	-
		DeNoxtronic 2	✓	✓	✓	✓	-	Activate Diagnosis
		VCM-anti-theft system	✓	✓	✓	✓	✓	-
		Extended module	✓	✓	✓	✓	-	-
		Instrument cluster	✓	✓	✓	✓	✓	-
EuroMover	EDC MS6.2 BOSCH	✓	✓	✓	✓	✓	-	-
	EDC 7 BOSCH	✓	✓	✓	✓	-	Activate Diagnosis	-

	Seddon Atkin	IBC EUROCARGO NEW	✓	✓	✓	✓	✓	-
		EDC MS6.2 BOSCH	✓	✓	✓	✓	✓	-
		EUROTRONIC 2	✓	✓	✓	✓	✓	-
PowerDaily		EDC 16 BOSCH	✓	-	✓	✓	✓	-
		EDC MS6.3 BOSCH	✓	✓	✓	✓	✓	-
	PowerTech	Instrument cluster	✓	✓	✓	✓	✓	-
Defense Vehicles	LMV-VILM	EDC 16 BOSCH	✓	-	✓	✓	✓	-
		ABS 2X Knorr-BOSCH	✓	✓	✓	✓	✓	-
	MMV	EDC 7 BOSCH	✓	✓	✓	✓	-	Activate Diagnosis
		ABS 2X Knorr-BOSCH	✓	✓	✓	✓	✓	-
	VM90	EDC MS6.3 BOSCH	✓	✓	✓	✓	✓	-
	RG12	EDC 7 BOSCH	✓	✓	✓	✓	-	Activate Diagnosis
	MG410	DeNoxtronic 2	✓	✓	✓	✓	-	Activate Diagnosis
		VCM-anti-theft system	✓	✓	✓	✓	✓	-
		EDC 7 UC31	✓	✓	✓	✓	-	-
		EUROTRONIC 2	✓	✓	✓	✓	✓	-
		ECAS UABCO CAN	✓	✓	✓	✓	✓	-
		Extended module	✓	✓	✓	✓	-	-
		IVECO body controller	✓	✓	✓	✓	✓	-
		Trakker chassis electronic module	✓	✓	✓	✓	-	-
		IC (Instrument Cluster) TRAKKER	✓	✓	✓	✓	✓	-
		Air heater (STRALIS)	✓	✓	✓	✓	-	-
		WABCO-IVTM	✓	✓	✓	✓	-	-
	Astra	EDC 7 UC31	✓	✓	✓	✓	-	-
		EDC MS6.3 BOSCH	✓	✓	✓	✓	✓	-
		EUROTRONIC 2	✓	✓	✓	✓	✓	-
		Cursor Extra-Europe (one-B0x)	EDC 7 UC31	✓	✓	✓	✓	-
		EUROTRONIC 2	✓	✓	✓	✓	✓	-
	Engine ECU	DeNoxtronic 2	✓	✓	✓	✓	-	Activate Diagnosis
		EDC 16 BOSCH	✓	-	✓	✓	✓	-
		EDC 7 BOSCH	✓	✓	✓	✓	-	Activate Diagnosis
		EDC MS6.2 BOSCH	✓	✓	✓	✓	✓	-
		EDC MS6.3 BOSCH	✓	✓	✓	✓	✓	-
	Multicar EOL	DeNoxtronic 2	✓	✓	✓	✓	-	Activate Diagnosis
		EDC 16 BOSCH	✓	-	✓	✓	✓	-
		EDC 7 BOSCH	✓	✓	✓	✓	-	Activate Diagnosis
		EDC MS6.2 BOSCH	✓	✓	✓	✓	✓	-

Iveco automobile	Made by UAZ	EDC MS6.3 BOSCH	✓	✓	✓	✓	✓	-
		DeNoxtronic 2	✓	✓	✓	✓	-	Activate Diagnosis
		EDC 16 BOSCH	✓	-	✓	✓	✓	-
		EDC 7 BOSCH	✓	✓	✓	✓	-	Activate Diagnosis
		EDC MS6.2 BOSCH	✓	✓	✓	✓	✓	-
		EDC MS6.3 BOSCH	✓	✓	✓	✓	✓	-
	UAZ CS	DeNoxtronic 2	✓	✓	✓	✓	-	Activate Diagnosis
		EDC 16 BOSCH	✓	-	✓	✓	✓	-
		EDC 7 BOSCH	✓	✓	✓	✓	-	Activate Diagnosis
		EDC MS6.2 BOSCH	✓	✓	✓	✓	✓	-
		EDC MS6.3 BOSCH	✓	✓	✓	✓	✓	-
Swiss army	Sa Vehicles	EDC MS6.2 BOSCH	✓	✓	✓	✓	✓	-
		EBS WABCO	✓	✓	✓	✓	✓	-
		EUROTRONIC 2	✓	✓	✓	✓	✓	-
Tata Daewoo	Engine ECU	EDC 7 BOSCH	✓	✓	✓	✓	-	Activate Diagnosis

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



## FCAR F3 Diagnosis list

Automaker:	JAC
Software Version:	V5.7

System	System	System	System	System	Function							Others
					Version info.	Read DTC	Clear DTC	Readout Data stream	Action test	Readout freeze frame		
BOSCH Common Rail	BOSCH EDC19C39 common rail system self-identification system				√	√	√	√	√	-		-
	JAC(BOSCH Diesel)_12V	HFC4DA1-2B			√	√	√	√	√	√	Engine test,injector matching	
		HFC4DA1-2B1			√	√	√	√	√	√	Engine test,injector matching	
	CHAO CHAI engine(BOSCH Diesel)_24V	CY4102-C3B	Static diagnosis		√	√	√	-	-	√	Fault solution instruction	
			Dyamic diagnosis		√	-	-	√	√		Function test	
		CY4102-C3D	Static diagnosis		√	√	√			√	Fault solution instruction	
			Dyamic diagnosis		√			√	√		Function test	
		CY4102-C3F	Static diagnosis		√	√	√	-	-	√	Fault solution instruction	
			Dyamic diagnosis		√	-	-	√	√	-	Function test	
		CY4102-C3G	Static diagnosis		√	√	√	-	-	√	Fault solution instruction	
			Dyamic diagnosis		√	-	-	√	√	-	Function test	
		CY4D115-C3	Static diagnosis		√	√	√	-	-	√	Fault solution instruction	
			Dyamic diagnosis		√	-	-	√	√	-	Function test	
	YU CHAI engine(BOSCH Diesel)_24V	CY4102-C3C	Static diagnosis		√	√	√	-	-	√	Fault solution instruction	
			Dyamic diagnosis		√	-	-	√	√	-	Function test	
		YC4E140-30	Static diagnosis		√	√	√	-	-	√	Fault solution instruction	
			Dyamic diagnosis		√	-	-	√	√	-	Function test	
	XI CHAI engine/BOSCH	YC4E160-30	Static diagnosis		√	√	√	-	-	√	Fault solution instruction	
			Dyamic diagnosis		√	-	-	√	√	-	Function test	
		CA4DF3-13E3	Static diagnosis		√	√	√	-	-	√	Fault solution instruction	
			Dyamic diagnosis		√	-	-	√	√	-	Function test	
		CA4DF3-14E3	Static diagnosis		√	√	√	-	-	√	Fault solution instruction	

	engine(BOSCH) Diesel)_24V		Dynamic diagnosis		✓	-	-	✓	✓	-	Function test
		CA4DF3-17E3	Static diagnosis		✓	✓	✓	-	-	✓	Fault solution instruction
			Dynamic diagnosis		✓	-	-	✓	✓	-	Function test
	QuanChai4D22E type engine(BOSCH) Diesel)_12V				-	✓	✓	✓	✓	-	-
DELPHI Common Rail	YU CHAI engine	YC4F90-30	DELPHI Common RailSystem	DELPHI Common RailSystem_12V	✓	✓	✓	✓	✓	-	Injector data, write VIN, leakage test
				DELPHI Common RailSystem Euro III	✓	✓	✓	✓	✓	-	Injector data, write VIN, leakage test
		YC4F115-30	DELPHI Common RailSystem	DELPHI Common RailSystem_12V	✓	✓	✓	✓	✓	-	Injector data, write VIN, leakage test
				DELPHI Common RailSystem Euro III	✓	✓	✓	✓	✓	-	Injector data, write VIN, leakage test
ECU single- unit pump	YangChai engine(配 VTOECU)_24V	VTO single-pump system(J1939)			-	✓	✓	✓	-	-	
		VTO single-pump system(RS232)			-	✓	✓	✓	-	-	
JAC GALLOP	Hseries	WEI CHAI WP10 type_BOSCH Common Rail_24V	Static diagnosis		✓	✓	✓	-	-	✓	Fault solution instruction
			Dynamic diagnosis		✓	-	-	✓	✓	-	Function test
		YU CHAIYC6M type_BOSCH Common Rail_24V	Static diagnosis		✓	✓	✓	-	-	✓	Fault solution instruction
			Dynamic diagnosis		✓	-	-	✓	✓	-	Function test
	XI CHAICA6DL1 type_BOSCH Common Rail_24V	WEI CHAI WP10 type_BOSCH Common Rail_24V	Static diagnosis		✓	✓	✓	-	-	✓	Fault solution instruction
			Dynamic diagnosis		✓	-	-	✓	✓	-	Function test
		XI CHAICA6DL1 type_BOSCH Common Rail_24V	Static diagnosis		✓	✓	✓	-	-	✓	Fault solution instruction
			Dynamic diagnosis		✓	-	-	✓	✓	-	Function test

Mseries	XI CHAICA6DF3 type_BOSCH Common Rail_24V	Static diagnosis		√	√	√	-	-	√	Fault solution instruction
		Dyamic diagnosis		√	-	-	√	√	-	Function test
	YU CHAIYC6M type_BOSCH Common Rail_24V	Static diagnosis		√	√	√	-	-	√	Fault solution instruction
		Dyamic diagnosis		√	-	-	√	√	-	Function test
	P11C type_HINO engine_24V			√	√	√	√	√	-	Injector data
	Lseries	XI CHAICA6DF3 type_BOSCH Common Rail_24V	Static diagnosis		√	√	√	-	-	Fault solution instruction
		Dynamic diagnosis		√	-	-	√	√	-	Function test
BOSCH P607V40 engineSystem				√	√	√	√	√	√	Engine test, Injector data

Remarks: ✓ means the system has this function - means not supported at this moment.



## FCAR F3 Diagnosis list

Automaker:	JMC
Software Version:	V6.0

Model	System	System	Function					
			Version info.	Read DTC	Clear DTC	Read Data	Action test	Remark(other functions)
JMC Transit series	DELPHI engine System	DELPHI diesel Euro III	√	√	√	√	√	Injector data,write VIN, leakage test
		Elec.Injection Euro 3 diesel 3.1	√	√	√	√	√	-
		Elec.Injection Euro 3 diesel 3.2	√	√	√	√	√	-
		Elec.Injection Euro 3 diesel 3.2 upgrade version	√	√	√	√	√	Injector data,write VIN, leakage test
JMC Landwind series	LandwindX6 with vm engine(BOSCH Common Rail)		√	√	√	√	√	Injector data, Engine test,R/W vehicle model data
	BOSCH Common RailEDC16UC40	Static diagnosis	√	√	√	-	-	fuel volume balance matching,Read freeze frame
		Dyamic diagnosis	√	-	-	√	√	Function test
	BOSCH System self-identification		√	√	√	√		some self-identification with action
JMC BaoDian series	BOSCH Euro III ECU		√	√	√	√	√	Injector data, Engine test,R/W vehicle
	BOSCH System self-identification		√	√	√	√		some self-identification with action
JMC BAOWEI series	BOSCH Euro III ECU		√	√	√	√	√	Injector data, Engine test,R/W vehicle
	BOSCH System self-identification		√	√	√	√		some self-identification with action
JMC light-duty truck series	diesel engineSystem(DELPHI)		√	√	√	√	√	Injector data,write VIN, leakage test
	diesel engineSystem(BOSCH)		√	√	√	√	√	Injector data, Engine test,R/W vehicle
	CHAO CHAI engine(BOSCH Diesel Euro III_24V)	Static diagnosis	√	√	√	-	-	fuel volume balance matching
		Dyamic diagnosis	√	-	-	√	√	Function test
	BOSCH System self-identification		√	√	√	√	-	some self-identification with action test function
DELPHI System	DELPHI diesel Euro III		√	√	√	√	√	Injector data,write VIN, leakage test
	Elec.Injection Euro 3 diesel 3.1		√	√	√	√	√	-
	Elec.Injection Euro 3 diesel 3.2		√	√	√	√	√	-
	Elec.Injection Euro 3 diesel 3.2 upgrade version		√	√	√	√	√	Injector data,write VIN, leakage test
BOSCH SystemX6 type engine			√	√	√	√	√	Injector data, Engine test

BOSCH System self-identification			✓	✓	✓	✓	-	some self-identification with action test function
JMC Puma	engine (PCM)		-	✓	✓	✓	-	-
	body system	airbag	-	✓	✓	-	-	-
		instrument	-	✓	✓	-	-	-
		body module	-	✓	✓	✓	-	-
	chassis system	ABS sytem	-	✓	✓	✓	-	-
	electrical system	charging system	-	✓	✓	✓	-	-
		auxilliary heater	-	✓	✓	-	-	-
		parking assist	-	✓	✓	✓	-	-
	module	ABS sytem	-	✓	✓	✓	-	-
		BCMVi i	-	✓	✓	✓	-	-
		PCM	-	✓	✓	✓	-	-
		RCM	-	✓	✓	-	-	-

Remarks: ✓ means the system has this function - means not supported at this moment.



## FCAR F3 Diagnosis list

Automaker:	KAMA
Software Version:	V5.2

System	System	System	Function						
			Version info.	Read DTC	Clear DTC	Read Data stream	Action test	Read freeze frame	Remark(other functions)
YU CHAI	BOSCH_EOL version		-	√	√	√	-	-	-
XI CHAI	BOSCH Common Rail_EDC16UC40	Static diagnosis	√	√	√	-	-	√	fuel volume balance matching
		Dyamic diagnosis	√	-	-	√	√		Function test
	XiChai 4DF3 Engine		√	√	√	√	-	√	Function test,actuator control,revise ECU system data
		NanYue Unit Pump System(J1939)	-	√	√	√	-	-	-
		NanYue Unit Pump System_R01 4-Cylinder	-	√	√	√	-	-	-
		NanYue Unit Pump System_R01 6-Cylinder	-	√	√	√	-	-	-
		NanYue Unit Pump System_R02	-	√	√	√	-	-	-
ISUZU engine			√	√	√	√	-	√	Read injector coding
YangChai VTO protocol	VTO unit pump system(J1939)		-	√	√	√	-	-	-
	VTO unit pump system(RS232)		-	√	√	√	-	-	-
	WEITE Unit Pump System		-	√	√	√	-	-	-
DA CHAI 4DC2	BOSCH V50 engine System		√	√	√	√	√	-	-
CHAO CHAI	Static Diagnostic Data		√	√	√	-	-	√	fuel volume balance matching
	Dynamic Diagnostic Data		√	-	-	√	√	-	Function test

Remarks: √ means the system has this function - means not supported at this moment.



## FCAR F3 Diagnosis list

Automaker:	Kenworth
Software Version:	V6.3

Models	System	System	Function					
			Version info.	Readout DTC	History DTC	Clear DTC	Readout Data stream	Remark(other functions)
Kenworth	J1708 Diagnosis protocol		-	√	-	√	√	-
	J1939 Diagnosis protocol	engineSystem	-	√	√	√	√	-

Remarks: √ means the system has this function - means not supported at this moment.



## FCAR F3 Diagnosis list

Automaker:	MACK
Software Version:	V6.3

Models	System	System	Function					
			Version info.	Readout DTC	History DTC	Clear DTC	Readout Data stream	Remark(other functions)
MACK	J1708 Diagnosis protocol		-	√	-	√	√	-
	J1939 Diagnosis protocol	engineSystem	-	√	√	√	√	-

Remarks: √ means the system has this function - means not supported at this moment.



## FCAR F3 Diagnosis list

Automaker:	MAN
Software Version:	V5.9

Model	System	System	System	Function					
				Version info.	Read DTC	Clear DTC	Read Data stream	Action test	Remark(other functions)
MAN ENG			BOSCH EDC MS5/M(S)5	√	√	√	√	-	-
Brake / sustained-action brake	EBS	EBS	EBS 2.2/2.3, KNORR	√	√	√	√	√	-
			EBS 5, KNORR	√	√	√	√	√	-
			EBS 2 Wabco	√	√	√	√	√	Parameter
		ECAM	Haldex ECAM	√	√	√	-	-	-
	Sustained-action brakes	ZF Intarder	ZF Intarder	√	√	√	√	-	-
			Retarder R115E/R120-3/R133-2 Voith	√	√	√	√	-	Parameter
		PriTarder(Voith water pump retarder)	PriTarder(Voith water pump retarder)	√	√	√	√	-	-
			Intarder3	√	√	√	√	-	-
			ECAS/EFR	√	√	√	-	-	-
Running gear / Steering	ECAS	ECAS2 Wabco	ECAS2 Wabco	√	√	√	√	√	-
			ECAS2 CDC Wabco	√	√	√	√	-	-
		Rear axle steering	RAS-EC1 steering system, rear axle, ZF	√	√	√	√	-	-
			Steering system(EHLA/ALA) Mobil Elektronik	√	√	√	√	-	-
Engine /	EDC	EDC MS6.1 BOSCH	EDC MS6.1 BOSCH	√	√	√	√	-	-
			EDC 7 BOSCH	√	√	√	√	√	-
		EDC 7C32 Bosch	EDC 7C32 Bosch	√	√	√	√	√	Cylinder shut-off test, High-pressure test, Pressure-limiting valve(DBV) open test
			EDC MS 6.4, Bosch	√	√	√	√	-	-
			EDC 7 master, Bosch	√	√	√	√	-	-

Exhaust post-treatment		EDC 7 slave, Bosch	✓	✓	✓	✓	-	-
		EDC 7C32 master, Bosch	✓	✓	✓	✓	-	-
		EDC 7C32 slave, Bosch	✓	✓	✓	✓	-	-
	CNG gas engine control	Gas ME 7, Bosch	✓	✓	✓	✓	-	-
	CRT(self-cleaning prarticle filter)MAN	CRT(self-cleaning prarticle filter)MAN	✓	✓	✓	✓	-	-
		EDC17	✓	✓	✓	✓	-	-
		EGC4	✓	✓	✓	✓	-	-
	AdBlue system	DENOX AdBlue system, Bosch	✓	✓	✓	✓	✓	-
		NONOX AdBlue system, Grundfos	✓	✓	✓	✓	-	-
Gearbox / Powertrain	Gearbox	ASTRONIC ZF	✓	✓	✓	✓	✓	-
		ASTRONIC mid ZF	✓	✓	✓	✓	✓	-
		Ecomat 2/4 ZF	✓	✓	✓	-	-	-
		DIWA.5 Voith Turbo	✓	✓	✓	✓	-	-
	Hydro Drive MAN	Hydro Drive MAN	✓	✓	✓	✓	-	-
		WSK	Torque converter and clutch system TC2 ZF	✓	✓	✓	-	-
	VSM	VSM SVDO	✓	✓	✓	✓	-	-
		TIPMATIC 3	✓	✓	✓	-	-	-
Climate control / auxiliary heaters	Air-conditioning / auxiliary air-conditioning / heating	Behr/GKR air-conditioning control	✓	✓	✓	✓	✓	-
		Air-conditioning system KR 49x Bader	✓	✓	✓	-	-	-
		Heating / air conditioning / auxiliary air conditioning BHTC, Behr	✓	✓	✓	✓	✓	-
		Independent air-conditioning control unit	✓	✓	✓	✓	-	-
		Independent air-conditioning control	✓	✓	✓	✓	-	-
		D1LC- / D3LC Compact, Eberspacher	✓	✓	✓	✓	-	-
		Air Top 3500 ST, Webasto	✓	✓	✓	✓	-	-
		Air Top 3500, Webasto SG 11580	-	✓	✓	-	-	-

Divided by the system	Additional heaters air or water	Hydronic D5W, Eberspaecher	✓	✓	✓	✓	-	-
		Thermo 50, Webasto	✓	✓	✓	✓	-	-
		Hydronic 24/30/35, Eberspaecher	✓	✓	✓	✓	-	-
		Air Top 3500, Webasto SG 11580 old	✓	✓	✓	✓	-	-
		D1LC-/D3LC Compact (9A), Eberspaecher	-	✓	✓	-	-	-
		Thermo S, Spheros	✓	✓	✓	✓	-	Switch heater on/off
		Air Top 2000 OEM, Webasto	-	✓	✓	✓	-	Actuator test, Fill fuel line
		VDO-Kienzle instrumentation	✓	✓	✓	✓	-	-
Central computer / instrumentation	Instrumentation	Instrumentation Stoneridge Electronics	✓	✓	✓	✓	✓	-
		FFR/PTM/MFR	✓	✓	✓	✓	-	-
		central on-board compu	CBR II Wabco up to version E5	✓	✓	✓	✓	-
	ZBRO	CBR II Wabco from version E6 onwards	✓	✓	✓	✓	-	-
		ZBRO control unit software status 'ZR 103' or earlier	✓	✓	✓	-	-	-
		ZBRO control unit software status 'ZR 104'	✓	✓	✓	-	-	-
	ZFR	ZBRO32	✓	✓	✓	-	-	-
		Customer's special module	VDO KSM	✓	✓	✓	✓	-
		ZFR MAN	✓	✓	✓	✓	-	-
		PTM	✓	✓	✓	✓	-	-
		Engine management computer (MFR)	✓	✓	✓	✓	-	-
	ACC MAN	FFR Step 12	✓	✓	✓	✓	✓	-
		Wabco ZBR II	✓	✓	✓	✓	✓	-
		LGS (Lane Guard System)	LGS ITERIS	✓	✓	✓	✓	-

Comfort / assistance / safety systems	Tire Pressure Monitor (TPM) Wabco	Tire Pressure Monitor (TPM) Wabco	✓	✓	✓	✓	-	-
	Telematik Boardmodul (TBM) OHB	Telematik Boardmodul (TBM) OHB	✓	✓	✓	-	-	-
	Door modules	Berifors door module	✓	✓	✓	✓	✓	-
		Door module TRW	✓	✓	✓	✓	✓	-
	Radar sensor	Radar sensor	✓	✓	✓	✓	-	-
	Airbag	BOSCH Airbag	✓	✓	✓	-	-	-
Central computer, marine and auxiliary engines	Ship vehicle management computer (SFMR)	Ship vehicle management computer (SFMR)	✓	✓	✓	-	-	-
	MAN Marine Diagnose System	MAN Marine Diagnose System (MMDS)	✓	✓	✓	✓	-	-
	EDC	EDC MS6.1 BOSCH	✓	✓	✓	✓	-	-
		EDC 7 BOSCH	✓	✓	✓	✓	-	-
		EDC 7C32 Bosch	✓	✓	✓	✓	-	-
		EDC MS 6.4, Bosch	✓	✓	✓	✓	-	-
		EDC 7 master, Bosch	✓	✓	✓	✓	-	-
		EDC 7 slave, Bosch	✓	✓	✓	✓	-	-
		EDC 7C32 master, Bosch	✓	✓	✓	✓	-	-
		EDC 7C32 slave, Bosch	✓	✓	✓	✓	-	-
	CNG gas engine control	Gas ME 7, Bosch	✓	✓	✓	✓	-	-
	FFR/PTM/MFR	VDO FFR	✓	✓	✓	✓	-	-
		PTM	✓	✓	✓	✓	-	-
		Engine management computer (MFR)	✓	✓	✓	✓	-	-
Hybrid components	EMU	EMU Energy Management Unit	✓	✓	✓	✓	-	-
	Vehicle electrical system power converter	Vehicle electrical system power converter	✓	✓	✓	✓	-	-
	MT-Gateway	MT-Gateway	✓	✓	✓	✓	-	-
	UltraCap Management	UCM Ultracap-Management	✓	✓	✓	✓	-	-
	Wechselrichter	Wechselrichter	✓	✓	✓	✓	-	-
	DICO	DICO Siemens	✓	✓	✓	✓	-	-
E 2000	Braking force support	Voith VERA R115E	✓	✓	✓	✓	-	-

E 2000 Evolution	Braking force support	Voith VERA R115E	✓	✓	✓	✓	-	-
	Diesel injection system	BOSCH EDC MS 6.1	✓	✓	✓	✓	-	-
F 90	Braking force support	Voith VERA R115E	✓	✓	✓	✓	-	-
L 2000	Diesel injection system	BOSCH EDC MS 5	✓	✓	✓	✓	-	-
LE 2000	Diesel injection system	BOSCH EDC MS 6.4	✓	✓	✓	✓	-	-
M 2000	Braking force support	Voith VERA R115E	✓	✓	✓	✓	-	-
	Diesel injection system	BOSCH EDC MS 5	✓	✓	✓	✓	-	-
M 2000 L	Braking force support	Voith VERA R115E	✓	✓	✓	✓	-	-
M 2000 L Evolution	Braking force support	Voith VERA R115E	✓	✓	✓	✓	-	-
M 2000 M	Braking force support	Voith VERA R115E	✓	✓	✓	✓	-	-
M 90	Braking force support	Voith VERA R115E	✓	✓	✓	✓	-	-
ME 2000	Diesel injection system	BOSCH EDC MS 6.4	✓	✓	✓	✓	-	-
TG-A	computer	Wabco Car PC	-	✓	✓	-	-	-
	Diesel injection system	BOSCH EDC 7	✓	✓	✓	✓	-	-
		BOSCH EDC MS 6.1	✓	✓	✓	✓	-	-
	EBS	Knorr EBS 4 × 2	-	✓	✓	✓	-	-
		Knorr EBS 6 × 2 (Third Intermediate axle)	-	✓	✓	✓	-	-
		Knorr EBS 6 × 2 (the third dragging axle)	-	✓	✓	✓	-	-
		Knorr EBS 6 × 4	-	✓	✓	✓	-	-
		Knorr EBS 8 × 4	-	✓	✓	✓	-	-
		Knorr EBS Auto H88	-	✓	✓	✓	-	-
		Knorr EBS Auto H95	-	✓	✓	✓	-	-
		Knorr EBS Auto H95	-	✓	✓	✓	-	-
	Engine - Auto adjustment	VDO FFR auto - engine (navigator)	-	✓	✓	✓	-	-
		EBS 2.3, KNORR	✓	✓	✓	✓	-	-
		ECAS2 Wabco	✓	✓	✓	✓	-	-
		EDC 7 BOSCH	✓	✓	✓	✓	-	-
		FFR Step 10 VDO	✓	✓	✓	✓	-	-
		Wabco ZBR II	✓	✓	✓	✓	-	-
		Berifors door module	✓	✓	✓	✓	-	-
		Behr/GKR air-conditioning control	✓	✓	✓	✓	-	-
		Stoneridge Electronics Highline instrumentation	✓	✓	✓	✓	-	-

Divided by vehicle								Parameter
TG-M	TG-M	EBS 2, WABCO	✓	✓	✓	✓	-	Parameter
		ECAS2 Wabco	✓	✓	✓	✓	-	-
		ASTRONIC mid ZF	✓	✓	✓	✓	-	-
		EDC7C32 V44, BOSCH	✓	✓	✓	✓	-	-
		FFR Step 12	✓	✓	✓	✓	-	-
		Wabco ZBR II	✓	✓	✓	✓	-	-
		Berifors door module	✓	✓	✓	✓	✓	-
		Behr/GKR air-conditioning control	✓	✓	✓	✓	-	-
		Instrumentation Stoneridge Electronics	✓	✓	✓	✓	✓	-
		PTM	✓	✓	✓	✓	-	-
TG-S	TG-S	ECAS2 Wabco	✓	✓	✓	✓	-	-
		DENOX AdBlue system V28 SOP, Bosch	✓	✓	✓	✓	-	-
		EDC 7C32 V35. BOSCH	✓	✓	✓	✓	✓	-
		Wabco ZBR II	✓	✓	✓	✓	-	-
		Door module TRW	✓	✓	✓	✓	✓	-
		EBS 5, KNORR	✓	✓	✓	✓	-	-
		ASTRONIC ZF	✓	✓	✓	✓	-	-
		Heating / air conditioning / auxiliary air conditioning BHTC, Behr	✓	✓	✓	✓	-	-
		EBS 5, KNORR	✓	✓	✓	✓	-	-
		ECAS2 Wabco	✓	✓	✓	✓	-	-
TG-X	TG-X	DENOX AdBlue system V28 SOP, Bosch	✓	✓	✓	✓	-	-
		PTM	✓	✓	✓	✓	-	-
		ASTRONIC ZF	✓	✓	✓	✓	-	-
		EDC 7C32 V35. BOSCH	✓	✓	✓	✓	-	-
		Heating / air conditioning / auxiliary air conditioning BHTC, Behr	✓	✓	✓	✓	-	-
		Instrumentation Stoneridge Electronics	✓	✓	✓	✓	✓	-
		Wabco ZBR II	✓	✓	✓	✓	-	-
		Door module TRW	✓	✓	✓	✓	✓	-
		Diesel injection system	BOSCH EDC 7	-	✓	✓	✓	-

TG-L	Engine - Auto adjustment	VDO FFR auto - engine (navigator)	-	✓	✓	✓	-	-
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Remarks: ✓ means the system has this function - means not supported at this moment.



## FCAR F3 Diagnosis list

Automaker:	Peterbilt
Software Version:	V6.3

Models	System	System	Function					
			Version info.	Readout DTC	History DTC	Clear DTC	Readout Data stream	Remark(other functions)
Peterbilt	J1708 Diagnosis protocol		-	√	-	√	√	-
	J1939 Diagnosis protocol	engineSystem	-	√	√	√	√	-

Remarks: √ means the system has this function - means not supported at this moment.



## FCAR F3 Diagnosis list

Automaker:	Renault
Software Version:	V5.2

Model	System	System	Function						
			Version info.	Read DTC	Clear DTC	Read Data	Action test	Read freeze	Remark(other functions)
Renault	BOSCH Common Rail_EDC7	Static diagnosis	√	√	√	-	-	√	Fault solution instruction
		Dyamic diagnosis	√	-	-	√	√	-	Function test
	BOSCH Common Rail_EDC16UC40	Static diagnosis	√	√	√	-	-	√	fuel volume balance matching
		Dyamic diagnosis	√	-	-	√	√	-	Function test
	BOSCH MS6.3		√	√	√	√	-	√	Function diagnosis
	VECU(KWP200)		√	√	√	√	-	-	vehicles configuation,History DTC
	WABCO ABS		-	√	√	√	-	-	
	WABCO ECAS		-	√	√	√	-	√	Remote control test, switch status ECU reference readout, load sensing valve test
	VECU(CANBUS)		√	√	√	√	√	-	History DTC
	BOSCH EDC7(CANBUS)	BOSCH	√	√	√	√	√	√	read sensor reference,Function
	BOSCH EDC16(CANBUS)	BOSCH	√	√	√	√	√	√	
	SIEMENS VDO		√	√	√	√	√	-	
	DELPHI Common Rail ECU	DELPHI Common RailSystem_12V	√	√	√	√	√	-	Injector data,write VIN, leakage test
		DELPHI Common RailSystem Euro III	√	√	√	√	√	-	Injector data,write VIN, leakage test

Remarks: √ means the system has this function - means not supported at this moment.



## FCAR F3 Diagnostic List (Note: For reference only)

: Scania  
Version: V6.4

Model	System	System	System	System	System	Function				
						Version Information	Read DTC	Clear DTC	Read data stream	Remark (other functions)
Scania	16 Pin Round	4 Series	Truck 4 series			Engine	√	√	√	√
						Brake	-	√	√	√
						Coordinator	√	√	√	√
						Auxiliary brake	√	√	√	√
						Suspension	√	√	√	-
						GEARBOX	-	√	√	-
			Bus 4 series	Articulated buses		Engine	√	√	√	√
						Brake	-	√	√	√
						Coordinator	√	√	√	√
			Bus			Engine	√	√	√	√
						Brake	-	√	√	√
						Coordinator	√	√	√	√

3 Series	Truck 3 series	Auxiliary brake	Auxiliary brake	-	✓	✓	-	✓
16 Pin Square				APS	✓	✓	✓	-
				BMS	✓	✓	✓	-
				CCS	✓	✓	✓	-
				C00	✓	✓	✓	-
				EMS	✓	✓	✓	-
				ICL	✓	✓	✓	-
				SMS	✓	✓	✓	-
				VIS	✓	✓	✓	-
				BCS	✓	✓	✓	-
				GMS	✓	✓	✓	-
				TC0	✓	✓	✓	-

Remarks: ✓ means the system has this function - means not supported at this moment.



## FCAR F3 Diagnosis list

Automaker:	ShenLong
Software Version:	V5.3

Model	System	System	Function							Remark(other functions)
			Version info.	Read DTC	Clear DTC	Read Data	Action test	Read freeze frame		
ShenLong	XiChai DENSO Common Rail		√	√	√	√	√	√		QR code,Write VIN,write EIN
	XiChai 4DF3 Engine		√	√	√	√	-	√		Function test,actuator control,revis ECU system data
	BOSCH Common Rail_EDC16UC40	Static diagnosis	√	√	√	-	-	√		fuel volume balance matching
		Dyamic diagnosis	√	-	-	√	√	-		Function test
	BOSCH Common Rail_EDC7UC31	Static diagnosis	√	√	√	-	-	√		Fault solution instruction
		Dyamic diagnosis	√	-	-	√	√	-		Function test
	NanYue Single-Unit Pump engine	NanYue Single-Unit PumpSystem(J1939)	-	√	√	√	-	-		History DTC
		NanYue Single-Unit PumpSystem_R01 4-Cylinder	-	√	√	√	-	-		-
		NanYue Single-Unit PumpSystem_R01 6-Cylinder	-	√	√	√	-	-		-
		NanYue Single-Unit PumpSystem_R02	-	√	√	√	-	-		-

Remarks: √ means the system has this function - means not supported at this moment.



## FCAR F3 Diagnosis list (Note: for reference only)

Automaker:	Shaolin Bus
Software Version:	V5.1

System	System	System	Function						
			Version info.	Read DTC	Clear DTC	Read Data stream	Action test	Read freeze frame	Remark(other functions)
Shaolin Bus	vehicle-mounted instrument system		-	√	√	√	-	-	-
	BOSCH Common RailEDC16UC40	Static diagnosis	√	√	√	-	-	√	fuel volume balance
		Dyamic diagnosis	√	-	-	√	√	-	Function test

Remarks: √ means the system has this function - means not supported at this moment.



## FCAR F3 Diagnosis list

Automaker:	Sterling
Software Version:	V6.3

Models	System	System	Function					
			Version info.	Readout DTC	History DTC	Clear DTC	Readout Data stream	Remark(other functions)
Sterling	J1708 Diagnosis protocol		-	√	-	√	√	-
	J1939 Diagnosis protocol	engineSystem	-	√	√	√	√	-

Remarks: √ means the system has this function - means not supported at this moment.



## FCAR F3 Diagnosis list

Automaker:	Toyota
Software Version:	V5.0

Connector	Mode	System	Function						
			Version Information	Read DTC	Clear DTC	Data strea	Motion tests	Freeze frame	Remark(other functions)
Powertrain	Powertrain	Engine and ECT	-	√	√	√	√	√	-
		Engine	-	√	√	√	√	√	-
		ECT	-	√	√	√	√	√	-
		Cruise Control	-	√	√	√	√	-	-
		Engine(LH Bank)	-	√	√	√	√	√	-
		Engine(RH Bank)	-	√	√	√	√	-	-
		HV Battery	-	√	√	√	√	√	-
		Hybrid Control	-	√	√	√	√	√	-
		Sequential M/T	-	√	√	√	√	√	-
		Stop And Go	-	√	√	√	√	√	-
		Multi-Mode M/T	-	√	√	√	√	√	-
		Radar Cruise	-	√	√	√	-	-	-
		Laser Cruise	-	-	-	-	-	-	-
		E-ACM	-	√	√	√	-	-	-
Chassis	Chassis	ABS/VSC/TRC	-	√	√	√	√	√	-
		AHC	-	√	√	√	√	-	-
		Air suspension	-	√	√	√	√	-	-
		Free-Tronic	-	√	√	√	√	-	-
		EHPS	-	√	√	√	-	√	-
		Transmission Control	-	√	√	√	√	√	-
		EMS	-	√	√	√	√	-	-
		Four Wheel Drive	-	√	√	√	√	-	-
		Tire Pressure Monitor	-	√	√	√	-	-	-



## FCAR F3 Diagnosis list

Automaker:	Toyota
Software Version:	V5.0

Connector	Mode	System	Function						
			Version Information	Read DTC	Clear DTC	Data strea	Motion tests	Freeze frame	Remark(other functions)
OBD-II	VGRS	VGRS	-	√	√	√	-	√	-
		Stabilizer	-	√	√	√	-	-	-
	BODY	Intelligent Parking Assist	-	√	√	-	-	-	-
		Electric Parking Brake	-	√	√	√	√	√	-
		Lane Keeping Aisst	-	√	√	√	-	-	-
		Front Stabilizer	-	√	√	√	√	-	-
		Rear Stabilizer	-	√	√	√	√	-	-
	BODY	AFS	-	√	√	√	√	-	-
		Air Conditioner	-	√	√	√	√	-	-
		Back Door	-	√	√	√	√	-	-
		BODY	-	√	√	√	√	-	-
		BODY2	-	√	-	√	√	-	-
		BODY3	-	√	-	√	√	-	-
		BODY4	-	√	-	√	√	-	-
		BODY5	-	-	-	√	√	-	-
		Clearance Sonar	-	√	√	√	√	-	-
		Combination Switch	-	-	-	√	-	-	-
		D-Door Motor	-	√	√	√	√	-	-
		D-SEAT SW	-	-	-	√	√	-	-
		Gateway	-	√	√	-	-	-	-
		METER	-	-	-	√	√	-	-
		Mirror	-	-	-	√	√	-	-
		Mirror L	-	-	-	√	√	-	-



## FCAR F3 Diagnosis list

Automaker:	Toyota
Software Version:	V5.0

Connector	Mode	System	Function						
			Version Information	Read DTC	Clear DTC	Data strea	Motion tests	Freeze frame	Remark(other functions)
BODY		Mirror R	-	-	-	√	√	-	-
		Occupant Detection	-	√	√	√	-	-	-
		P-Door Motor	-	√	√	√	√	-	-
		Passenger Seat	-	-	-	√	√	-	-
		Power Source Control	-	√	√	-	-	-	-
		Rain Sensor	-	-	-	√	-	-	-
		Rear Seat Switch	-	-	-	√	-	-	-
		RL-Door Motor	-	√	√	√	√	-	-
		Rear Left Seat	-	-	-	√	√	-	-
		RR-Door Motor	-	√	√	√	√	-	-
		Rear Right Seat	-	-	-	√	√	-	-
		Sliding Roof	-	-	-	√	√	-	-
		SRS Airbag	-	√	√	√	-	-	-
		Retractable Hardtop	-	√	√	√	-	-	-
		Steering Pad Switch	-	-	-	√	-	-	-
		Tilt&Telescopic	-	√	√	√	√	√	-
		Wiper	-	-	-	√	√	-	-
		Main Body	-	√	√	√	√	-	-
		Tvss	-	√	√	√	√	-	-
		Entry&Start	-	√	√	√	√	-	-
		HV Gateway	-	√	√	√	-	-	-
		Night View	-	√	√	√	√	-	-
		HL AutoLeveling	-	√	√	√	√	-	-



## FCAR F3 Diagnosis list

Automaker:	Toyota
Software Version:	V5.0

Connector	Mode	System	Function						
			Version Information	Read DTC	Clear DTC	Data strea	Motion tests	Freeze frame	Remark(other functions)
		Gateway BEAN	-	√	√	-	-	-	-
		Accessory Gateway	-	√	√	√	-	-	-
		Rear Left Seat A/C	-	√	-	√	√	-	-
		Rear Right Seat A/C	-	√	-	√	√	-	-
		Gateway CAN	-	√	√	-	-	-	-
		ECM Gateway	-	√	√	√	-	-	-
		ECB Gateway	-	√	√	√	-	-	-
		WIL Gateway	-	√	√	√	-	-	-
		Center Console Switch	-	-	√	√	-	-	-
		Rear Console Switch	-	√	√	√	√	-	-
		Rear Left Seat A/C	-	√	-	√	√	-	-
		Rear Right Seat A/C	-	√	-	√	√	-	-
		Electric Power Control	-	√	√	√	√	√	-
		Active Headrest R	-	√	√	√	√	-	-
		Active Headrest L	-	√	√	√	√	-	-
		Combination Meter	-	√	√	√	√	-	-
		Immobiliser	-	√	√	√	√	-	1.KEY REGISTRATION 2.KEY CODE ERASURE 3.AUTO REG CLOSURE
		Pre-Crash	-	√	√	√	√	-	-
		Steering Lock	-	√	√	√	√	-	-

Remarks: √ means the system has this function - means not supported at this moment.



FCAR F3 Diagnostic list (note: for reference only)

Automaker:	Nissan diesel UD
Version:	V6. 5

Model	System	System	Function					
			Version info.	Read DTC	Clear DTC	Read data stream	Action test	Remark (other functions)
Nissan UD engine		MD92TL	√	√	√	√	-	Injector nozzle data
		MD92TM	√	√	√	√	-	Injector nozzle data
		GE13TB0	√	√	√	√	-	Injector nozzle data
		GE13TB1	√	√	√	√	-	Injector nozzle data
		GE13TD	√	√	√	√	-	Injector nozzle data
		G310GE13TB (HKG).	√	√	√	√	-	Injector nozzle data
		G310GE13TB (SIN)	√	√	√	√	-	Injector nozzle data
		G300GE13TB (SAF)	√	√	√	√	-	Injector nozzle data
		A775EURO2.	√	√	√	√	-	Injector nozzle data
		A775EURO3.	√	√	√	√	-	Injector nozzle data
		GE13TA (US).	√	√	√	√	-	Injector nozzle data
		MD92	√	√	√	√	-	Injector nozzle data
		G105RGE13TA	√	√	√	-	-	Injector nozzle data
		G105RGE13TB	√	√	√	-	-	Injector nozzle data
		G105RGE13TC	√	√	√	-	-	Injector nozzle data
		G105RGE13TD	√	√	√	-	-	Injector nozzle data
		G105RGE13TE	√	√	√	-	-	Injector nozzle data
		G105RGE13TF	√	√	√	-	-	Injector nozzle data
		G105RGE13TA1	√	√	√	-	-	Injector nozzle data
		G105RGE13TB1	√	√	√	-	-	Injector nozzle data
		G105RGE13TC1	√	√	√	-	-	Injector nozzle data
		G105RGE13TD1	√	√	√	-	-	Injector nozzle data



FCAR F3 Diagnostic list (note: for reference  
only)

Automaker:	Nissan diesel UD
Version:	V6.5

Model	System	System	Function					
			Version info.	Read DTC	Clear DTC	Read data stream	Action test	Remark (other functions)
system	G105RGE13TE1		√	√	√	–	–	Injector nozzle data
	G105RGE13TF1		√	√	√	–	–	Injector nozzle data
	G105RGE13TB2		√	√	√	–	–	Injector nozzle data
	G105RGE13TC2		√	√	√	–	–	Injector nozzle data
	G105RGE13TD2		√	√	√	–	–	Injector nozzle data
	G105RGE13TE2		√	√	√	–	–	Injector nozzle data
	G105RGE13TF2		√	√	√	–	–	Injector nozzle data
	G105RMD92TB		√	√	√	–	–	Injector nozzle data
	G105RMD92TC		√	√	√	–	–	Injector nozzle data
	G105RMD92TJ		√	√	√	–	–	Injector nozzle data
	G105RMD92TK		√	√	√	–	–	Injector nozzle data
	G107-GETA-DOM-00		√	√	√	–	–	Injector nozzle data
	G107-GETB-DOM-00		√	√	√	–	–	Injector nozzle data
	G107-GETC-DOM-00		√	√	√	–	–	Injector nozzle data
	G107-GETA-DOM-01		√	√	√	–	–	Injector nozzle data
	G107-GETB-DOM-01		√	√	√	–	–	Injector nozzle data
	G107-GETC-DOM-01		√	√	√	–	–	Injector nozzle data
	G107-GETD-DOM-00		√	√	√	–	–	Injector nozzle data
	G107-GETE-DOM-00		√	√	√	–	–	Injector nozzle data
	G107-GETF-DOM-00		√	√	√	–	–	Injector nozzle data
	G107RMD92TB		√	√	√	–	–	Injector nozzle data
	G107RMD92TC		√	√	√	–	–	Injector nozzle data



FCAR F3 Diagnostic list (note: for reference only)

Automaker:	Nissan diesel UD
Version:	V6.5

Model	System	System	Function					Remark (other functions)
			Version info.	Read DTC	Clear DTC	Read data stream	Action test	
		23761 30Z00	√	√	√	√	√	Read and write injector nozzle data
		23761 30Z01	√	√	√	√	√	Read and write injector nozzle data
		23761 30Z02	√	√	√	√	√	Read and write injector nozzle data
		23761 30Z03	√	√	√	√	√	Read and write injector nozzle data
		23761 30Z04	√	√	√	√	√	Read and write injector nozzle data
		23761 30Z05	√	√	√	√	√	Read and write injector nozzle data
		23761 30Z06	√	√	√	√	√	Read and write injector nozzle data
		23761 30Z07	√	√	√	√	√	Read and write injector nozzle data
		23761 30Z08	√	√	√	√	√	Read and write injector nozzle data
		23761 30Z09	√	√	√	√	√	Read and write injector nozzle data
		23761 30Z10	√	√	√	√	√	Read and write injector nozzle data
		23761 30Z11	√	√	√	√	√	Read and write injector nozzle data
		23761 30Z12	√	√	√	√	√	Read and write injector nozzle data
		2376130Z6001	√	√	√	√	√	Read and write injector nozzle data



FCAR F3 Diagnostic list (note: for reference only)

Automaker:	Nissan diesel UD
Version:	V6.5

Model	System	System	Function					Remark (other functions)
			Version info.	Read DTC	Clear DTC	Read data stream	Action test	
		2376130Z6101	√	√	√	√	√	Read and write injector nozzle data
		2376130Z6201	√	√	√	√	√	Read and write injector nozzle data
		2376130Z6301	√	√	√	√	√	Read and write injector nozzle data
		2376130Z6401	√	√	√	√	√	Read and write injector nozzle data
		2376130Z6501	√	√	√	√	√	Read and write injector nozzle data
		2376130Z6601	√	√	√	√	√	Read and write injector nozzle data
		2376130Z6701	√	√	√	√	√	Read and write injector nozzle data
		2376130Z6801	√	√	√	√	√	Read and write injector nozzle data
		2376130Z6901	√	√	√	√	√	Read and write injector nozzle data
		2376130Z7001	√	√	√	√	√	Read and write injector nozzle data
		2376130Z7101	√	√	√	√	√	Read and write injector nozzle data
		2376130Z7201	√	√	√	√	√	Read and write injector nozzle data
		2376130Z1301	√	√	√	√	√	Read and write injector nozzle data
		2376130Z1401	√	√	√	√	√	Read and write injector nozzle data



FCAR F3 Diagnostic list (note: for reference only)

Automaker:	Nissan diesel UD
Version:	V6.5

Model	System	System	Function					Remark (other functions)
			Version info.	Read DTC	Clear DTC	Read data stream	Action test	
		2376130Z1501	√	√	√	√	√	Read and write injector nozzle data
		2376130Z2B00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z2C00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z3C00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z4A00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z4D00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z1600	√	√	√	√	√	Read and write injector nozzle data
		2376130Z1700	√	√	√	√	√	Read and write injector nozzle data
		2376130Z1E00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z2A00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z5C00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z5D00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z8A00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z8B00	√	√	√	√	√	Read and write injector nozzle data



FCAR F3 Diagnostic list (note: for reference only)

Automaker:	Nissan diesel UD
Version:	V6.5

Model	System	System	Function					
			Version info.	Read DTC	Clear DTC	Read data stream	Action test	Remark (other functions)
Nissan diesel		2376130Z0A00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z0B00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z0C00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z0D00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z0E00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z1A00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z1B00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z1C00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z1D00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z6B00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z6C00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z6D00	√	√	√	√	√	Read and write injector nozzle data
		2376136D0500	√	√	√	√	√	Turbocharging test, Read and write injector nozzle data



FCAR F3 Diagnostic list (note: for reference only)

Automaker:	Nissan diesel UD
Version:	V6.5

Model	System	System	Function					
			Version info.	Read DTC	Clear DTC	Read data stream	Action test	Remark (other functions)
Hino Engine	Hino Engine	2376136D0400	√	√	√	√	√	Turbocharging test, Read and write injector nozzle data
		2376130Z6E00	√	√	√	√	√	Turbocharging test, Read and write injector nozzle data
		2376130Z7A00	√	√	√	√	√	Turbocharging test, Read and write injector nozzle data
		2376131Z2A00	√	√	√	√	√	Read and write injector nozzle data
		2376131Z2B00	√	√	√	√	√	Read and write injector nozzle data
		2376131Z2C00	√	√	√	√	√	Read and write injector nozzle data
		2376131Z2D00	√	√	√	√	√	Read and write injector nozzle data
		2376131Z2E00	√	√	√	√	√	Read and write injector nozzle data
		2376131Z3A00	√	√	√	√	√	Read and write injector nozzle data
		2376131Z3B00	√	√	√	√	√	Read and write injector nozzle data
		2376131Z3C00	√	√	√	√	√	Read and write injector nozzle data
		2376131Z3D00	√	√	√	√	√	Read and write injector nozzle data



FCAR F3 Diagnostic list (note: for reference only)

Automaker:	Nissan diesel UD
Version:	V6.5

Model	System	System	Function					Remark (other functions)
			Version info.	Read DTC	Clear DTC	Read data stream	Action test	
		2376131Z0A00	√	√	√	√	√	Read and write injector nozzle data
		2376131Z0B00	√	√	√	√	√	Read and write injector nozzle data
		2376131Z0C00	√	√	√	√	√	Read and write injector nozzle data
		2376131Z0D00	√	√	√	√	√	Read and write injector nozzle data
		2376131Z0E00	√	√	√	√	√	Read and write injector nozzle data
		2376131Z1A00	√	√	√	√	√	Read and write injector nozzle data
		2376131Z1B00	√	√	√	√	√	Read and write injector nozzle data
		2376131Z1C00	√	√	√	√	√	Read and write injector nozzle data
		2376131Z1D00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z7B00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z7C00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z7D00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z7E00	√	√	√	√	√	Read and write injector nozzle data
		2376130Z8C00	√	√	√	√	√	Read and write injector nozzle data



FCAR F3 Diagnostic list (note: for reference only)

Automaker:	Nissan diesel UD
Version:	V6.5

Model	System	System	Function					Remark (other functions)
			Version info.	Read DTC	Clear DTC	Read data stream	Action test	
		2376131Z4A00	✓	✓	✓	✓	✓	Read and write injector nozzle data
		2376131Z4B00	✓	✓	✓	✓	✓	Read and write injector nozzle data
		2376131Z4C00	✓	✓	✓	✓	✓	Read and write injector nozzle data
		2376131Z4D00	✓	✓	✓	✓	✓	Read and write injector nozzle data
		2376131Z5A00	✓	✓	✓	✓	✓	Read and write injector nozzle data
		2376131Z5B00	✓	✓	✓	✓	✓	Read and write injector nozzle data
		2376131Z5C00	✓	✓	✓	✓	✓	Read and write injector nozzle data
		2376131Z5D00	✓	✓	✓	✓	✓	Read and write injector nozzle data
		2376131Z5E00	✓	✓	✓	✓	✓	Read and write injector nozzle data
		2376131Z6A00	✓	✓	✓	✓	✓	Read and write injector nozzle data
		2376131Z6B00	✓	✓	✓	✓	✓	Read and write injector nozzle data
		2376131Z6C00	✓	✓	✓	✓	✓	Read and write injector nozzle data
		2376131Z6D00	✓	✓	✓	✓	✓	Read and write injector nozzle data



FCAR F3 Diagnostic list (note: for reference only)

Automaker:	Nissan diesel UD
Version:	V6.5

Model	System	System	Function					
			Version info.	Read DTC	Clear DTC	Read data stream	Action test	Remark (other functions)
		2376136D0A00	√	√	√	√	√	Turbocharging test, Read and write injector nozzle data
		2376136D0B00	√	√	√	√	√	Turbocharging test, Read and write injector nozzle data
		2376136D0C00	√	√	√	√	√	Turbocharging test, Read and write injector nozzle data
		2376136D0D00	√	√	√	√	√	Turbocharging test, Read and write injector nozzle data
		2376136D1A00	√	√	√	√	√	Turbocharging test, Read and write injector nozzle data
		2376136D1B00	√	√	√	√	√	Turbocharging test, Read and write injector nozzle data
		2376136D1C00	√	√	√	√	√	Turbocharging test, Read and write injector nozzle data
		2376136D1D00	√	√	√	√	√	Turbocharging test, Read and write injector nozzle data
		2376136D2A00	√	√	√	√	√	Turbocharging test, Read and write injector nozzle data



FCAR F3 Diagnostic list (note: for reference only)

Automaker:	Nissan diesel UD
Version:	V6.5

Model	System	System	Function					
			Version info.	Read DTC	Clear DTC	Read data stream	Action test	Remark (other functions)
UD2004 and Earlier	2376136D2B00	2376136D2B00	√	√	√	√	√	Turbocharging test, Read and write injector nozzle data
		2376136D2C00	√	√	√	√	√	Turbocharging test, Read and write injector nozzle data
		2376136D2D00	√	√	√	√	√	Turbocharging test, Read and write injector nozzle data
		89564-0000A	√	√	√	√	√	Turbocharging test, Read and write injector nozzle data
		89663-0000A	√	√	√	√	√	Turbocharging test, Read and write injector nozzle data
	Engine	Engine	-	√	√	√	√	-
	ABS	ABS	-	√	√	√	√	-
VOLVO engine(8 pin Square)	VOLVO engine	VOLVO engine	-	√	√	√	-	-
Tail gas treatment	-	-	√	√	√	√	√	-

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



## FCAR F3 Diagnostic List (note: for reference only)

Automaker:	VOLVO
Version:	V6.3

Model	System	System	System	System	Function				
					Version info.	Read DTC	Clear DTC	Read data stream	Remarks (Other Functions)
COMP04	FE	FE	FE	128 engine control unit (EECU)	✓	✓	✓	-	-
				130 Transmission control unit	✓	✓	✓	-	-
				136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
				140 meters, central module	✓	✓	✓	✓	-
				144 Vehicle control unit	✓	✓	✓	✓	-
				146 air-conditioning unit	✓	✓	✓	-	-
				150 Suspension, Power Unit	-	✓	✓	-	-
				164 Multiplex	-	✓	✓	-	-
				216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
				222 Reducer ECU	✓	✓	✓	✓	-
				234 Suspension, Power Unit	-	✓	✓	-	-
				249 body manufacturer Module (BBM)	✓	✓	✓	✓	-
				250 Suspension, Power Unit	-	✓	✓	-	-
				128 engine control unit (EECU)	✓	✓	✓	✓	-
				130 Transmission control unit	✓	✓	✓	-	-
				136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
				140 meters, central module	✓	✓	✓	✓	-
				144 vehicle control unit (VECU)	✓	✓	✓	✓	-
				146 air-conditioning unit	✓	✓	✓	-	-
				150 Suspension, Power Unit	-	✓	✓	-	-
				164 Multiplex	-	✓	✓	-	-
				216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
				222 Reducer ECU	✓	✓	✓	✓	-
				234 Suspension, Power Unit	-	✓	✓	-	-

		249 body manufacturer Module (BBM)	✓	✓	✓	✓	-
		250 Suspension, Power Unit	-	✓	✓	-	-
FH	FH	128 engine control unit (EECU)	✓	✓	✓	✓	-
		130 transmission control unit	✓	✓	✓	✓	-
		136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
		140 meter , central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	✓	-
		146 air-conditioning unit	✓	✓	✓	-	-
		150 Suspension, Power Unit	-	✓	✓	-	-
		164 Multiplex	-	✓	✓	-	-
		216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
		222 Reducer ECU	✓	✓	✓	✓	-
		234 Suspension, Power Unit	-	✓	✓	-	-
		249 body building module (BBM)	✓	✓	✓	✓	-
		250 Suspension, Power Unit	-	✓	✓	-	-
FH12	FH12	128 engine control unit (EECU)	✓	✓	✓	✓	-
		130 transmission control unit	✓	✓	✓	✓	-
		136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
		140 meter , central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	✓	-
		146 air-conditioning unit	✓	✓	✓	-	-
		150 Suspension, Power Unit	-	✓	✓	-	-
		164 Multiplex	-	✓	✓	-	-
		216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
		222 Reducer ECU	✓	✓	✓	✓	-
		234 Suspension, Power Unit	-	✓	✓	-	-
		249 body building module (BBM)	✓	✓	✓	✓	-
		250 Suspension, Power Unit	-	✓	✓	-	-
		128 engine control unit (EECU)	✓	✓	✓	✓	-
		130 transmission control unit	✓	✓	✓	✓	-
		136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
		140 meter , central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	✓	-

		146 air-conditioning unit	✓	✓	✓	-	-
	FH16	150 Suspension, Power Unit	-	✓	✓	-	-
		164 Multiplex	-	✓	✓	-	-
		216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
		222 Reducer ECU	✓	✓	✓	✓	-
		234 Suspension, Power Unit	-	✓	✓	-	-
		249 body building module (BBM)	✓	✓	✓	✓	-
		250 Suspension, Power Unit	-	✓	✓	-	-
	FH565	128 engine control unit (EECU)	✓	✓	✓	-	-
		130 transmission control unit	✓	✓	✓	-	-
		136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
		140 meter , central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	-	-
		146 air-conditioning unit	✓	✓	✓	-	-
		150 Suspension, Power Unit	-	✓	✓	-	-
		164 Multiplex	-	✓	✓	-	-
		216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
		222 Reducer ECU	✓	✓	✓	✓	-
		234 Suspension, Power Unit	-	✓	✓	-	-
		249 body building module (BBM)	✓	✓	✓	✓	-
		250 Suspension, Power Unit	-	✓	✓	-	-
	FL	128 engine control unit (EECU)	✓	✓	✓	✓	-
		130 transmission control unit	✓	✓	✓	-	-
		136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
		140 meter , central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	✓	-
		146 air-conditioning unit	✓	✓	✓	-	-
		150 Suspension, Power Unit	-	✓	✓	-	-
		164 Multiplex	-	✓	✓	-	-
		216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
		222 Reducer ECU	-	✓	✓	-	-
		234 Suspension, Power Unit	✓	✓	✓	✓	-
		249 body building module (BBM)	-	✓	✓	-	-

		250 Suspension, Power Unit	✓	✓	✓	✓	-
		128 engine control unit (EECU)	✓	✓	✓	✓	-
		130 transmission control unit	✓	✓	✓	✓	-
		136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
		140 meter , central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	✓	-
		146 air-conditioning unit	✓	✓	✓	-	-
		150 Suspension, Power Unit	-	✓	✓	-	-
		163 engine suppressors	✓	✓	✓	-	-
		164 Multiplex	-	✓	✓	-	-
		179 FMS Gateway	✓	✓	✓	-	-
VERSION2 Electric System	FM	216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
		220 Tachometer	✓	✓	✓	-	-
		222 Reducer ECU	✓	✓	✓	✓	-
		232 airbag, control unit(SRS)	✓	✓	✓	-	-
		233 AdBlue dosage system control unit (ADS)	✓	✓	✓	-	-
		234 Suspension, Power Unit	-	✓	✓	-	-
		249 body building module (BBM)	✓	✓	✓	✓	-
		250 Suspension, Power Unit	-	✓	✓	-	-
		128 engine control unit (EECU)	✓	✓	✓	✓	-
		130 transmission control unit	✓	✓	✓	✓	-
FM9	FM9	136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
		140 meter , central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	✓	-
		146 air-conditioning unit	✓	✓	✓	-	-
		150 Suspension, Power Unit	-	✓	✓	-	-
		164 Multiplex	-	✓	✓	-	-
		216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
		222 Reducer ECU	✓	✓	✓	✓	-
		234 Suspension, Power Unit	-	✓	✓	-	-
		249 body manufacturer Module (BBM)	✓	✓	✓	✓	-
		250 Suspension, Power Unit	-	✓	✓	-	-
		128 engine control unit (EECU)	✓	✓	✓	✓	-

		130 transmission control unit	✓	✓	✓	✓	-
		136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
		140 meter , central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	✓	-
		146 air-conditioning unit	✓	✓	✓	-	-
		150 Suspension, Power Unit	-	✓	✓	-	-
		163 engine suppressors	✓	✓	✓	-	-
		164 Multiplex	-	✓	✓	-	-
		179 FMS Gateway	✓	✓	✓	-	-
	FM12	216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
		220 Tachometer	✓	✓	✓	-	-
		222 Reducer ECU	✓	✓	✓	✓	-
		232 airbag, control unit(SRS)	✓	✓	✓	-	-
		233 AdBlue dosage system control unit (ADS)	✓	✓	✓	-	-
		234 Suspension, Power Unit	-	✓	✓	-	-
		249 body building module (BBM)	✓	✓	✓	✓	-
		250 Suspension, Power Unit	-	✓	✓	-	-
	NH12	128 engine control unit (EECU)	✓	✓	✓	✓	-
		130 transmission control unit	✓	✓	✓	✓	-
		136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
		140 meter , central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	✓	-
		146 air-conditioning unit	✓	✓	✓	-	-
		150 Suspension, Power Unit	-	✓	✓	-	-
		164 Multiplex	-	✓	✓	-	-
		216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
		222 Reducer ECU	✓	✓	✓	✓	-
		234 Suspension, Power Unit	-	✓	✓	-	-
		249 body building module (BBM)	✓	✓	✓	✓	-
		250 Suspension, Power Unit	-	✓	✓	-	-
		128 engine control unit (EECU)	✓	✓	✓	✓	-
		130 transmission control unit	✓	✓	✓	✓	-
		136 anti-lock braking system (ABS)	✓	✓	✓	✓	-

		140 meter , central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	✓	-
		146 air-conditioning unit	✓	✓	✓	-	-
	VHD	150 Suspension, Power Unit	-	✓	✓	-	-
		164 Multiplex	-	✓	✓	-	-
		216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
		222 Reducer ECU	✓	✓	✓	✓	-
		234 Suspension, Power Unit	-	✓	✓	-	-
		249 body building module (BBM)	✓	✓	✓	✓	-
		250 Suspension, Power Unit	-	✓	✓	-	-
	VM	128 engine control unit (EECU)	✓	✓	✓	✓	-
		130 transmission control unit	✓	✓	✓	-	-
		136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
		140 meter , central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	✓	-
		146 air-conditioning unit	✓	✓	✓	-	-
		150 Suspension, Power Unit	-	✓	✓	-	-
		164 Multiplex	-	✓	✓	-	-
		216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
		222 Reducer ECU	✓	✓	✓	✓	-
		234 Suspension, Power Unit	-	✓	✓	-	-
		249 body building module (BBM)	✓	✓	✓	✓	-
		250 Suspension, Power Unit	-	✓	✓	-	-
	VN	128 engine control unit (EECU)	✓	✓	✓	✓	-
		130 transmission control unit	✓	✓	✓	✓	-
		136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
		140 meter , central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	✓	-
		146 air-conditioning unit	✓	✓	✓	-	-
		150 Suspension, Power Unit	-	✓	✓	-	-
		164 Multiplex	-	✓	✓	-	-
		216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
		222 Reducer ECU	✓	✓	✓	✓	-

VOLVO heavy vehicle diagnosi cs	VT	234 Suspension, Power Unit	-	✓	✓	-	-
		249 body building module (BBM)	✓	✓	✓	✓	-
		250 Suspension, Power Unit	-	✓	✓	-	-
		128 engine control unit (EECU)	✓	✓	✓	✓	-
		130 transmission control unit	✓	✓	✓	✓	-
		136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
		140 meter , central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	✓	-
		146 air-conditioning unit	✓	✓	✓	-	-
		150 Suspension, Power Unit	-	✓	✓	-	-
VOLVO vehicle diagnosi cs	AC	164 Multiplex	-	✓	✓	-	-
		216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
		222 Reducer ECU	✓	✓	✓	✓	-
		234 Suspension, Power Unit	-	✓	✓	-	-
		249 body building module (BBM)	✓	✓	✓	✓	-
		250 Suspension, Power Unit	-	✓	✓	-	-
		128 engine control unit (EECU)	✓	✓	✓	✓	-
		130 transmission control unit	✓	✓	✓	-	-
		136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
		140 meter , central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	✓	-
		146 air-conditioning unit	✓	✓	✓	-	-
		150 Suspension, Power Unit	-	✓	✓	-	-
		164 Multiplex	-	✓	✓	-	-
		216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
		222 Reducer ECU	✓	✓	✓	✓	-
		234 Suspension, Power Unit	-	✓	✓	-	-
		249 body building module (BBM)	✓	✓	✓	✓	-
		250 Suspension, Power Unit	-	✓	✓	-	-
		128 engine control unit (EECU)	✓	✓	✓	✓	-
		130 transmission control unit	✓	✓	✓	✓	-
		136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
		140 meter , central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	✓	-
		146 air-conditioning unit	✓	✓	✓	✓	-

		146 air-conditioning unit	✓	✓	✓	-	-
	FH12	150 Suspension, Power Unit	-	✓	✓	-	-
		164 Multiplex	-	✓	✓	-	-
		216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
		222 Reducer ECU	✓	✓	✓	✓	-
		234 Suspension, Power Unit	-	✓	✓	-	-
		249 body building module (BBM)	✓	✓	✓	✓	-
		250 Suspension, Power Unit	-	✓	✓	-	-
	FH16	128 engine control unit (EECU)	✓	✓	✓	✓	-
		130 transmission control unit	✓	✓	✓	-	-
		136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
		140 meter , central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	✓	-
		146 air-conditioning unit	✓	✓	✓	-	-
		150 Suspension, Power Unit	-	✓	✓	-	-
		164 Multiplex	-	✓	✓	-	-
		216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
		222 Reducer ECU	✓	✓	✓	✓	-
		234 Suspension, Power Unit	-	✓	✓	-	-
		249 body building module (BBM)	✓	✓	✓	✓	-
		250 Suspension, Power Unit	-	✓	✓	-	-
	FH565	128 engine control unit (EECU)	✓	✓	✓	-	-
		130 transmission control unit	✓	✓	✓	-	-
		136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
		140 meter , central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	-	-
		146 air-conditioning unit	✓	✓	✓	-	-
		150 Suspension, Power Unit	-	✓	✓	-	-
		164 Multiplex	-	✓	✓	-	-
		216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
		222 Reducer ECU	✓	✓	✓	✓	-
		234 Suspension, Power Unit	-	✓	✓	-	-
		249 body building module (BBM)	✓	✓	✓	✓	-

		250 Suspension, Power Unit	-	✓	✓	-	-
FL6		128 engine control unit (EECU)	✓	✓	✓	✓	-
		130 transmission control unit	✓	✓	✓	-	-
		136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
		140 meter , central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	✓	-
		146 air-conditioning unit	✓	✓	✓	-	-
		150 Suspension, Power Unit	-	✓	✓	-	-
		164 Multiplex	-	✓	✓	-	-
		216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
		222 Reducer ECU	✓	✓	✓	✓	-
		234 Suspension, Power Unit	-	✓	✓	-	-
		249 body building module (BBM)	✓	✓	✓	✓	-
		250 Suspension, Power Unit	-	✓	✓	-	-
FM7		128 engine control unit (EECU)	✓	✓	✓	✓	-
		130 transmission control unit	✓	✓	✓	✓	-
		136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
		140 meter , central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	✓	-
		146 air-conditioning unit	✓	✓	✓	-	-
		150 Suspension, Power Unit	-	✓	✓	-	-
		164 Multiplex	-	✓	✓	-	-
		216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
		222 Reducer ECU	✓	✓	✓	✓	-
		234 Suspension, Power Unit	-	✓	✓	-	-
		249 body building module (BBM)	✓	✓	✓	✓	-
		250 Suspension, Power Unit	-	✓	✓	-	-
FM10		128 engine control unit (EECU)	✓	✓	✓	✓	-
		130 transmission control unit	✓	✓	✓	✓	-
		136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
		140 meter , central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	✓	-
		146 air-conditioning unit	✓	✓	✓	-	-
		150 Suspension, Power Unit	-	✓	✓	-	-

		164 Multiplex	-	/	/	-	-
		216 external lightning protection control unit (LCM)	/	/	/	-	-
		222 Reducer ECU	/	/	/	/	-
		234 Suspension, Power Unit	-	/	/	-	-
		249 body building module (BBM)	/	/	/	/	-
		250 Suspension, Power Unit	-	/	/	-	-
Vehicle electron	FM12	128 engine control unit (EECU)	/	/	/	/	-
		130 transmission control unit	/	/	/	/	-
		136 anti-lock braking system (ABS)	/	/	/	/	-
		140 meter , central module	/	/	/	/	-
		144 vehicle control unit (VECU)	/	/	/	/	-
		146 air-conditioning unit	/	/	/	-	-
		150 Suspension, Power Unit	-	/	/	-	-
		164 Multiplex	-	/	/	-	-
		216 external lightning protection control unit (LCM)	/	/	/	-	-
		222 Reducer ECU	/	/	/	/	-
		234 Suspension, Power Unit	-	/	/	-	-
		249 body building module (BBM)	/	/	/	/	-
		250 Suspension, Power Unit	-	/	/	-	-
		128 engine control unit (EECU)	/	/	/	/	-
NH12	NH12	130 transmission control unit	/	/	/	/	-
		136 anti-lock braking system (ABS)	/	/	/	/	-
		140 meter , central module	/	/	/	/	-
		144 vehicle control unit (VECU)	/	/	/	/	-
		146 air-conditioning unit	/	/	/	-	-
		150 Suspension, Power Unit	-	/	/	-	-
		164 Multiplex	-	/	/	-	-
		216 external lightning protection control unit (LCM)	/	/	/	-	-
		222 Reducer ECU	/	/	/	/	-
		234 Suspension, Power Unit	-	/	/	-	-
		249 body building module (BBM)	/	/	/	/	-
		250 Suspension, Power Unit	-	/	/	-	-
		128 engine control unit (EECU)	/	/	/	-	-

		130 transmission control unit	✓	✓	✓	-	-
		136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
	NH525	140 meter , central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	-	-
		146 air-conditioning unit	✓	✓	✓	-	-
		150 Suspension, Power Unit	-	✓	✓	-	-
		164 Multiplex	-	✓	✓	-	-
		216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
		222 Reducer ECU	✓	✓	✓	✓	-
		234 Suspension, Power Unit	-	✓	✓	-	-
		249 body building module (BBM)	✓	✓	✓	✓	-
		250 Suspension, Power Unit	-	✓	✓	-	-
	NH565	128 engine control unit (EECU)	✓	✓	✓	-	-
		130 transmission control unit	✓	✓	✓	-	-
		136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
		140 meters, central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	-	-
		146 air-conditioning unit	✓	✓	✓	-	-
		150 Suspension, Power Unit	-	✓	✓	-	-
		164 Multiplex	-	✓	✓	-	-
		216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
		222 Reducer ECU	✓	✓	✓	✓	-
	VHD	234 Suspension, Power Unit	-	✓	✓	-	-
		249 body building module (BBM)	✓	✓	✓	✓	-
		250 Suspension, Power Unit	-	✓	✓	-	-
		128 engine control unit (EECU)	✓	✓	✓	✓	-
		130 transmission control unit	✓	✓	✓	-	-
		136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
		140 meter , central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	✓	-
		146 air-conditioning unit	✓	✓	✓	-	-
		150 Suspension, Power Unit	-	✓	✓	-	-
		164 Multiplex	-	✓	✓	-	-

		216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
		222 Reducer ECU	✓	✓	✓	✓	-
		234 Suspension, Power Unit	-	✓	✓	-	-
		249 body building module (BBM)	✓	✓	✓	✓	-
		250 Suspension, Power Unit	-	✓	✓	-	-
VN		128 engine control unit (EECU)	✓	✓	✓	✓	-
		130 transmission control unit	✓	✓	✓	-	-
		136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
		140 meter , central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	✓	-
		146 air-conditioning unit	✓	✓	✓	-	-
		150 Suspension, Power Unit	-	✓	✓	-	-
		164 Multiplex	-	✓	✓	-	-
		216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
		222 Reducer ECU	✓	✓	✓	✓	-
		234 Suspension, Power Unit	-	✓	✓	-	-
		249 body building module (BBM)	✓	✓	✓	✓	-
		250 Suspension, Power Unit	-	✓	✓	-	-
WG		128 engine control unit (EECU)	✓	✓	✓	✓	-
		130 transmission control unit	✓	✓	✓	-	-
		136 anti-lock braking system (ABS)	✓	✓	✓	✓	-
		140 meter , central module	✓	✓	✓	✓	-
		144 vehicle control unit (VECU)	✓	✓	✓	✓	-
		146 air-conditioning unit	✓	✓	✓	-	-
		150 Suspension, Power Unit	-	✓	✓	-	-
		164 Multiplex	-	✓	✓	-	-
		216 external lightning protection control unit (LCM)	✓	✓	✓	-	-
		222 Reducer ECU	✓	✓	✓	✓	-
		234 Suspension, Power Unit	-	✓	✓	-	-
		249 body building module (BBM)	✓	✓	✓	✓	-
		250 Suspension, Power Unit	-	✓	✓	-	-
		128 engine control unit (EECU)	✓	✓	✓	✓	-
		130 transmission control unit	✓	✓	✓	-	-

			136 anti-lock braking system (ABS)	✓	✓	✓	✓	—
			140 meter , central module	✓	✓	✓	✓	—
			144 vehicle control unit (VECU)	✓	✓	✓	✓	—
			146 air-conditioning unit	✓	✓	✓	—	—
			150 Suspension, Power Unit	—	✓	✓	—	—
			164 Multiplex	—	✓	✓	—	—
			216 external lightning protection control unit (LCM)	✓	✓	✓	—	—
			222 Reducer ECU	✓	✓	✓	✓	—
			234 Suspension, Power Unit	—	✓	✓	—	—
			249 body building module (BBM)	✓	✓	✓	✓	—
			250 Suspension, Power Unit	—	✓	✓	—	—
VOLVO bus diagnostics	VOLVO Bus diagnostics	WX	128 engine control unit (EECU)	✓	✓	✓	✓	—
			130 transmission control unit	✓	✓	✓	✓	—
			136 anti-lock braking system (ABS)	✓	✓	✓	✓	—
			140 meter , central module	✓	✓	✓	✓	—
			144 vehicle control unit (VECU)	✓	✓	✓	✓	—
			146 air-conditioning unit	✓	✓	✓	—	—
			150 Suspension, Power Unit	—	✓	✓	—	—
			164 Multiplex	—	✓	✓	—	—
			216 external lightning protection control unit (LCM)	✓	✓	✓	—	—
			222 Reducer ECU	✓	✓	✓	✓	—
			234 Suspension, Power Unit	—	✓	✓	—	—
			249 body building module (BBM)	✓	✓	✓	✓	—
			250 Suspension, Power Unit	—	✓	✓	—	—

Remarks: ✓ means the System has the function - means not



## FCAR F3 Diagnosis list

Automaker:	Weststar
Software Version:	V6.3

Models	System	System	Function					
			Version info.	Readout DTC	History DTC	Clear DTC	Readout Data stream	Remark(other functions)
Weststar	J1708 Diagnosis protocol		-	√	-	√	√	-
	J1939 Diagnosis protocol	engineSystem	-	√	√	√	√	-

Remarks: √ means the system has this function - means not supported at this moment.



# FCAR F3 Diagnostic List

(Note: for reference only)

Automaker:	Yongtong Bus
Version:	V5.8

Model	System	System	System	Function						
				Version Info	Read DTC	Clear DTC	Read Data Stream	Action Test	Read Freeze Frame	Remark (Other Functions)
Yuchai Engion (BOSCH Diesel) _24V	YC6J	Static Diagnosis	√	√	√	—	—	—	√	Toubleshooting Guide
			√	—	—	√	√	—	—	Function Test
	YC6L	Static Diagnosis	√	√	√	—	—	—	√	Toubleshooting Guide
			√	—	—	√	√	—	—	Function Test
	YC6G	Static Diagnosis	√	√	√	—	—	—	√	Toubleshooting Guide
			√	—	—	√	√	—	—	Function Test
	YC6A	Static Diagnosis	√	√	√	—	—	—	√	Toubleshooting Guide
			√	—	—	√	√	—	—	Function Test
	YC6M	Static Diagnosis	√	√	√	—	—	—	√	Toubleshooting Guide
			√	—	—	√	√	—	—	Function Test
	YC4E	Static Diagnosis	√	√	√	—	—	—	√	Fuel Volumn Balance Match
			√	—	—	√	√	—	—	Function Test
	YC4G	Static Diagnosis	√	√	√	—	—	—	√	Fuel Volumn Balance Match
			√	—	—	√	√	—	—	Function Test
	YC4F	Static Diagnosis	√	√	√	—	—	—	√	Fuel Volumn Balance Match
			√	—	—	√	√	—	—	Function Test

Yongtong Bus	Weichai Engion (BOSCH Diesel) _24V	WP10	Static Diagnosis	√	√	√	–	–	√	Toubleshooting Guide
			Dynamic Diagnosis	√	–	–	√	√	–	Function Test
		WP4	Static Diagnosis	√	√	√	–	–	√	Toubleshooting Guide
			Dynamic Diagnosis	√	–	–	√	√	–	Function Test
		WP5	Static Diagnosis	√	√	√	–	–	√	Toubleshooting Guide
			Dynamic Diagnosis	√	–	–	√	√	–	Function Test
		WP6	Static Diagnosis	√	√	√	–	–	√	Toubleshooting Guide
			Dynamic Diagnosis	√	–	–	√	√	–	Function Test
		WP7	Static Diagnosis	√	√	√	–	–	√	Toubleshooting Guide
			Dynamic Diagnosis	√	–	–	√	√	–	Function Test
		WP12	Static Diagnosis	√	√	√	–	–	√	Toubleshooting Guide
			Dynamic Diagnosis	√	–	–	√	√	–	Function Test
Xichai Engion (BOSCH Diesel) _24V	CA6DF3	Static Diagnosis	√	√	√	–	–	√	Toubleshooting Guide	
		Dynamic Diagnosis	√	–	–	√	√	–	Function Test	
	CA4DF3	Static Diagnosis	√	√	√	–	–	√	Fuel Volumn Balance Match	
		Dynamic Diagnosis	√	–	–	√	√	–	Function Test	
Cummins Engion _24V	Cummins ISBe4 Engion _24V		–	√	√	√	–	–	History DTC	
	Cummins ISLe+ Engion _24V		–	√	√	√	–	–	History DTC	
	Cummins ISLe4 Engion _24V		–	√	√	√	–	–	History DTC	
	Cummins ISMe Engion _24V		–	√	√	√	–	–	History DTC	
	Cummins ISB4 Engion _24V		–	√	√	√	–	–	History DTC	

	Cummins ISB6 Engion _24V	-	✓	✓	✓	-	-	History DTC
	Cummins ISDe Engion _24V	-	✓	✓	✓	-	-	History DTC
Shanghai Hino Engion _24V	P11C Engion	P11C DENSO System	✓	✓	✓	✓	-	Injector Data, History DTC
	J08C/E Engion	P11C DENSO System	✓	✓	✓	✓	-	Injector Data, History DTC

Remark: ✓ means the system has the function -means not.



## FCAR F3 Diagnostic list (note: for reference only)

Manufacturer:	Zhengzhou Nissan
Version:	V6.2

Model	System	System	Function						
			Version info.	Read DTC	Clear DTC	Read data stream	Action test	Read freeze frame	Remark (other functions)
Zhengzhou	BOSCH EDC7	static diagnostic data	√	√	√	–	–	√	Troubleshooting guide
		dynamic diagnostic data	√	–	–	√	√	–	Function test
	BOSCH EDC16C39	Bosch EDC16C39 engine system	√	√	√	√	√	–	injector data
		Bosch EDC16C39 read injector data	–	–	–	–	–	–	injector data
	XINCHEN 2.5 DK4A EDC16C39		√	√	√	√	–	–	some self-identification system has action test function
	BOSH system automatic detection		√	√	√	√	√	–	break cylinder, injector data
	ZD25TCR-BOSCH common rail system	ZD25TCR-BOSCH common rail system	√	√	√	√	–	–	–

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