


## ANKAI FUNCTION LIST


		FCAR F3 Diagnostic List (Note: only for reference)					Automaker:		Ankai	
							Version:		V5.5	
Model	System	System	Function						Remark (other functions)	
			version Info	Read DTC	Clear DTC	Read Data Stream	Acuation Test	Read Freeze Frame		
Ankai	Xichai DENSO common rail		√	√	√	√	√	√	QR code, write VIN, write EIN	
	Xichai 4DF3 engine		√	√	√	√	-	√	Function test, actuator control, modify electrical control system data	
	BOSCH common rail_EDC16UC40	Static diagnosis data	√	√	√	-	-	√	Oil balance match	
		Dynamic diagnosis data	√	-	-	√	√	-	Function test	
	BOSCH common rail_EDC7UC31	Static diagnosis data	√	√	√	-	-	√	Troubleshooting guide	
		Dynamic diagnosis data	√	-	-	√	√	-	Function 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: √ means the system support this function - means not




HO JUN	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
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									

## DONG FENG FUNCTION LIST

 <b>CAR F3 Diagnostic List</b> (Note: for reference only)						Manufacturer:	Dong Feng CAPTAIN
						Version:	V6.1
Model	System	Function					
		Version Information	Read DTC	Erase DTC	Read Data Stream	Actuation Test	Remarks (other function)
Dong Feng CAPTAIN	ZD30 EDC17 system(State Four)	√	√	√	√	-	Programming function
	ZD30 EDC16 system	√	√	√	√	√	Work Support
	ABS	√	√	√	√	-	Parameter encoding; hydraulic control unit test
	APG system	√	√	√	√	√	Component test
	Airbag	√	√	√	√	-	Read configuration
	Body Control System	-	-	-	√	-	-
	Anti-theft System	√	√	-	-	-	Status check; replace BCM; offline matching; replace ECU; learn new keys; Erase All Keys


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

## DONG FENG FUNCTION LIST

 <b>FCAR F3 Diagnosis list</b>			Automaker:		DongFeng Commercial vehicle				
			Software Version:		V5.8				
Models	System	System	Function						
			Version info.	Read DTC	Clear DTC	Read Data stream	Action test	Read freeze frame	Remark(other functions)
DongFeng Commercial vehicle	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 configuration,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 EDC7(CANBUS)	√	√	√	√	√	√	read sensor reference,Function test
	BOSCH EDC16(CANBUS)	BOSCH EDC16(CANBUS)	√	√	√	√	√	√	
	SIEMENS VDO engineSystem		√	√	√	√	√		
	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
		Intrument fuel consumption				√			


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

## DONG FENG FUNCTION LIST


 <b>FCAR F3 Diagnosis list</b>				Automaker:		DongFeng Heavy-duty truck					
				Software Version:		V5.4					
vehicle series	Model	System	System	Function							
				Version info.	Read DTC	Clear DTC	Read Data stream	Action test	Read freeze frame	Remark(other functions)	
TianJing series	DFL5120X XYB1_	ComminsISDe180 type engine		-	√	√	√	-	-	-	
	DFL1140B 4_ Model	ComminsISDe210 type engine		-	√	√	√	-	-	-	
	DFL5080X XYB_ Model	EQ4H140 type_BOSCH Common Rail_24V	Static Diagnostic Data	√	√	√			√	fuel volume balance matching	
			Dynamic Diagnostic Data	√	-	-	√	√	-	Function test	
	DFL1180B _ Model	ComminsISDe180 type engine		-	√	√	√	-	-		
TianLong series	DFL5318A	BOSCH EDC7 (CAN BUS)_24V		√	√	√	√	√	√	read sensor reference, Function test	
		BOSCH EDC16 (CAN		√	√	√	√	√	√	-	
		VECU (CAN BUS)_24V		√	√	√	√	√		-	
		EDC MS6.3 (KLine)_24V		√	√	√	√		√	Function diagnosis	
		Commins ISDe (CAN		-	√	√	√	-	-	-	
		Commins ISLe (CAN BUS)_24V		-	√	√	√	-	-	-	
		NanYue Single-Unit Pump (CAN BUS)_24V	NanYue Single-Unit PumpSystem(J1939)		-	√	√	√	-	-	-
			NanYue Single-Unit PumpSystem_R01 4-Cylinder		-	√	√	√	-	-	-
			NanYue Single-Unit PumpSystem_R01 6-Cylinder		-	√	√	√	-	-	-
			NanYue Single-Unit PumpSystem_R02		-	√	√	√	-	-	-
		BOSCH EDC7 (YU CHAI) (KLine)_24V	Static Diagnostic Data	√	√	√	-	-	√		Fault solution instruction
			Dynamic Diagnostic Data	√	-	-	√	√	-		Function test

Chen Long series	BaLong 507/LZ425 1M3	dCi11 type_BOSCH Common Rail_24V	Static Diagnostic Data	√	√	√	-	-	√	Fault solution instruction	
			Dynamic Diagnostic Data	√			√	√		Function test	
	BaLong 507/EQ331 2GE	YC6M340 type_BOSCH Common Rail_24V	Static Diagnostic Data	√	√	√	-	-	√	Fault solution instruction	
			Dynamic Diagnostic Data	√	-	-	√	√	-	Function test	
Devastato series	DFL3250A 2	BOSCH EDC7 (CAN BUS)_24V		√	√	√	√	√	√	read sensor reference, Function test	
		BOSCH EDC16 (CAN		√	√	√	√	√	√	-	
		VECU (CAN BUS)_24V		√	√	√	√	√	-	-	
		EDC MS6.3 (KLine)_24V		√	√	√	√	-	√	Function diagnosis	
		Commins ISDe (CAN		-	√	√	√	-	-	-	
		Commins ISLe (CAN BUS)_24V		-	√	√	√	-	-	-	
		NanYue Single-Unit Pump (CAN BUS)_24V	NanYue Single-Unit PumpSystem(J1939)		-	√	√	√	-	-	-
			NanYue Single-Unit PumpSystem_R01 4-Cylinder		-	√	√	√	-	-	-
			NanYue Single-Unit PumpSystem_R01 6-Cylinder		-	√	√	√	-	-	-
			NanYue Single-Unit PumpSystem_R02		-	√	√	√	-	-	-
		BOSCH EDC7 (YU CHAI) (KLine)_24V	Static Diagnostic Data		√	√	√		-	√	Fault solution instruction
			Dynamic Diagnostic Data		√	-	-	√	√	-	Function test
Remarks: √ means the system has this function - means not supported at this moment.											

## FAW FUNCTION LIST

 <b>FCAR F3 Diagnostic List</b> (Note: for reference only)		Automaker:		FAW-SIHUAN				
		Version:		V5.3				
Model	System	Function						
		Version info.	Read DTC	Clear DTC	Read Data stream	Action test	Injector data	Remarks (other functions)
FAW-SIHUAN	BOSCH Common Rail System CA4D28CRZ Type	√	√	√	√	√	√	-
Remark: √ means the system has this function -means not								


## FAW FUNCTION LIST

 <b>FCAR F3 Diagnosis list</b>				Automaker:		FAW			
				Software Version:		V5.8			
Model	System	System	System	Function					
				Version info.	Read DTC	Clear DTC	Data stream	Action test	Freeze frame
Jie FangJ6	CA6DN1 type_BOSCH Common Rail_24V	Static diagnosis	√	√	√	-	-	√	Fault solution instruction
		Dyamic diagnosis	√	-	-	√	√	-	Function test
	CA6DL2 type_BOSCH Common Rail_24V	Static diagnosis	√	√	√			√	Fault solution instruction
		Dyamic diagnosis	√	-	-	√	√	-	Function test
	CA6DM type_BOSCH Common Rail_24V	Static diagnosis	√	√	√	-	-	√	Fault solution instruction
		Dyamic diagnosis	√	-	-	√	√	-	Function test
Jie FangJ5M HanWei	CA6DN1 type_BOSCH Common Rail_24V	Static diagnosis	√	√	√	-	-	√	Fault solution instruction
		Dyamic diagnosis	√	-	-	√	√	-	Function test
	CA6DL1 type_BOSCH Common Rail_24V	Static diagnosis	√	√	√	-	-	√	Fault solution instruction
		Dyamic diagnosis	√	-	-	√	√	-	Function test
	CA6DE3 type_BOSCH Common Rail_24V	Static diagnosis	√	√	√	-	-	√	Fault solution instruction
		Dyamic diagnosis	√	-	-	√	√	-	Function test
	CA6DF3 type_BOSCH Common Rail_24V	Static diagnosis	√	√	√	-	-	√	Fault solution instruction
		Dyamic diagnosis	√	-	-	√	√	-	Function test
Jie FangJ5PAoWei	XiChai DENSO Common Rail	DENSO Common Rail	√	√	√	√	√	√	QR code,Write VIN,write EIN
	CA6DN1 type_BOSCH Common Rail_24V	Static diagnosis	√	√	√	-	-	√	Fault solution instruction
		Dyamic diagnosis	√	-	-	√	√		Function test
	CA6DL1 type_BOSCH Common Rail_24V	Static diagnosis	√	√	√	-	-	√	Fault solution instruction
		Dyamic diagnosis	√	-	-	√	√	-	Function test
	CA6DE3 type_BOSCH Common Rail_24V	Static diagnosis	√	√	√	-	-	√	Fault solution instruction
		Dyamic diagnosis	√	-	-	√	√	-	Function test
	CA6DF3 type_BOSCH Common Rail_24V	Static diagnosis	√	√	√	-	-	√	Fault solution instruction
		Dyamic diagnosis	√	-	-	√	√	-	Function test
	CA6DM type_BOSCH Common Rail_24V	Static diagnosis	√	√	√	-	-	√	Fault solution instruction
Dyamic diagnosis		√	-	-	√	√	-	Function test	
CA4DF3 type_BOSCH Common Rail_24V	Static diagnosis	√	√	√	-	-	√	fuel volume balance matching	
	Dyamic diagnosis	√	-	-	√	√	-	Function test	

Jie FangJ5K JunWei		CA6DE3 type_BOSCH Common Rail_24V	Static diagnosis	√	√	√	-	-	√	Fault solution instruction
			Dyamic diagnosis	√	-	-	√	√	-	Function test
		DA CHAI DEUTE BOSCH single-unit pump	DEUTE FAW DA CHAI engine	√	√	√	√	√	-	Function test
Jie FangJ5R Long head diesel vehicle		CA6DL1 type_BOSCH Common Rail_24V	Static diagnosis	√	√	√	-	-	√	Fault solution instruction
			Dyamic diagnosis	√	-	-	√	√	-	Function test
Jie FangJ4		CA6DE3 type_BOSCH Common Rail_24V	Static diagnosis	√	√	√			√	Fault solution instruction
			Dyamic diagnosis	√	-	-	√	√	-	Function test
		CA6DF3 type_BOSCH Common Rail_24V	Static diagnosis	√	√	√	-	-	√	Fault solution instruction
			Dyamic diagnosis	√	-	-	√	√	-	Function test
New Da Wei		WP10 type_BOSCH Common Rail_24V	Static diagnosis	√	√	√	-	-	√	Fault solution instruction
			Dyamic diagnosis	√	-	-	√	√	-	Function test
		WP12 type_BOSCH Common Rail_24V	Static diagnosis	√	√	√	-	-	√	Fault solution instruction
			Dyamic diagnosis	√	-	-	√	√		Function test
Sialon		BOSCH Common Rail_EDC7_24V	Static diagnosis	√	√	√	-	-	√	Fault solution instruction
			Dyamic diagnosis	√	-	-	√	√		Function test
		CA4DF3 type_BOSCH Common Rail_24V	Static diagnosis	√	√	√	-	-	√	fuel volume balance matching
			Dyamic diagnosis	√	-	-	√	√	-	Function test
		CA4DE3 type_BOSCH Common Rail_24V	Static diagnosis	√	√	√	-	-	√	fuel volume balance matching
			Dyamic diagnosis	√	-	-	√	√	-	Function test
Sansai_SiKylin	XI CHAIBOSCH Common Rail	CA4DF3 type_BOSCH Common Rail_24V	Static diagnosis	√	√	√	-	-	√	fuel volume balance matching
			Dyamic diagnosis	√	-	-	√	√	-	Function test
	DA CHAIBOSCH Common Rail	CA4DC2 type_BOSCH Common Rail_12V		-	√	√	√	√	-	Engine test
		4JB1 type_BOSCH Common Rail_12V	4JB1 engine(BOSCH Diesel)	√	√	√	√	√	-	Function test,Injector data
DA CHAI6DE3/4DE3 (MOTOROLA)		Engine DTC		-	√	√	-	-	-	-
		Data stream group		-	-	-	√	-	-	-
BOSCH System self-identification			BOSCHSystem	√	√	√	√	-	-	some self-identification system with Action test function
Hengyang Unit		Qingdao unit pump(4- cylinder)		√	√	√	√	-	-	-

Pump		Qingdao unit pump (6-cylinder)		√	√	√	√	-	-	-
BOSCH System self-			BOSCH system	√	√	√	√	-	-	some self-identification system
Remarks: √ means the system has this function - means not supported at this moment.										

## FOTON FUNCTION LIST

 <b>FCAR F3 Diagnostic List</b> (Note: for referenceonly )						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	MT797.1	-	√	√	√	√	√	Parameter adjustment
			Motorola EFI system		-	√	√	√	√	√	-
			Marelli single point injection system		-	√	√	√	√	-	Actuator test
			Delphi system	MT20U	-	√	√	√	√	√	-
				MT20U (new version)	√	√	√	√	√	√	
				MT20U2	√	√	√	√	√	√	Read history DTC, specific function
			Fukang engine	MT22U	√	√	√	√	√	√	Read history DTC, specific function
				Cummins ISMe engine 24V	-	√	√	√	-	-	Read history DTC
				Cummins ISBe4 diesel engine	-	√	√	√	-	-	
			4JB1T diesel engine	Cummins ISF2.8/3.8 CM2220 engine system	-	√	√	√	√	√	Read history DTC, Service light reset
		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

Conqueror	Engine	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)		√	√	√	√	-	-	
	VIE ABS		VE pump system		-	√	√	√	-	Read history DTC, Calibration function	
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		-	√	√	√	-	-

SUV	Legend	Engine		Cummins ISF2.8/3.8 CM2220engine system		-	√	√	√	√	Read history DTC, Service light reset		
				UMC system	M797.1	-	√	√	√	√	Parameter adjustment		
			491 gasoline engine		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	Delphi system		MT20U		-	√	√	√	√	-
			4G64 gasoline engine			MT20U (new version)		√	√	√	√	√	
		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			
				EDC17C55	√	√	√	√	-	-			
			Bosch diesel Country IV (EDC17-26E)		√	√	√	√	-	-			
			VE pump system		-	√	√	√	-	Read history DTC, Calibration function			
	MP-X	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		
			EDC17C55	√	√	√	√	-	-				

Light-duty bus		Engine	Bosch diesel Country IV (EDC17-26E)		√	√	√	√	-	-	
			VE pump system		-	√	√	√	-	Read history DTC, Calibration function	
		SRS	JoyLong		-	√	√	√	-	-	
		ABS	SABS MK20		-	√	√	√	√	-	-
	Asia-pacific ABS VER2			-	√	√	√	√	-	-	
	K1 (large VAN)	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)		√	√	√	√	-	-
			Fukang engine	VE pump system		-	√	√	√	-	Read history DTC, Calibration function
				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
							√	√	√	√	Read history DTC
			SRS	Jinheng SRS			√	√	√	√	-
	Landscape	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	
Delphi system				MT20U		-	√	√	√	√	-
				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
			4G64 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
	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 CM220 engine 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 midels)_K08 version		-	√	√	√	√	-		
		WABCO ABS_K12 version		√	√	√	√	√	-		
		WABCO ABS		-	√	√	√	√	-		
	491 gasoline engine	Delphi system	MT20U	-	√	√	√	√	-		
			MT20U (new version)	√	√	√	√	√	-		
			MT20U2	√	√	√	√	√	Read history DTC, specific function		
			MT22U	√	√	√	√	√	Read history DTC, specific function		
		Motorola EFI system		-	√	√	√	√	-		
	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		
	Dachai engine	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	Nanyue unit pump system (J1939)	-	√	√	√	√	-	√	Read history DTC
			Nanyue unit pump system 4 cyl	-	√	√	√	√	-	-	-
			Nanyue unit pump system 6 cyl	-	√	√	√	√	-	-	-
Nanyue unit pump system _R02			-	√	√	√	√	-	-	-	
	VE pump system		-	√	√	√	-	√	Read history DTC, Calibration function		
	Bosch diesel C/R system	EDC16UC40	√	√	√	√	√	√	Function test, Read freeze frame		

Light duty truck

Ollin

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	
Yangchai engine	VE pump system		-	√	√	√	-	Read history DTC, Calibration function
	Bosch diesel C/R system	EDC16UC40	√	√	√	√	Function test, Read freeze frame	
Yuchai engine	Delphi diesel C/R system		√	√	√	√	√	-
	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 CM2220 engine 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 elektronik			-	√	√	√	√	-
	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
		4G64 diesel engine									
	486 gasoline engine										
	Dachai engine	Bosch EDC16C39 system self-identification (test version)				√	√	√	√	√	Function test, Match/set
		Bosch diesel C/R system	EDC16C39			√	√	√	√	√	Engine, injector data
			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	-	√	√	√	-	-
	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	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		-	√	√	√	-	-	
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	-	√	√	√	√	-	
		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	√	√	√	√	-	-	
		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	
		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	
		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	Bosch EDC17CV44(K line)	√	√	√	√	√	-
			CAN bus	EDC7UC31	-	√	√	√	-	Read history DTC
			H3 body system		-	√	-	-	-	-
			WoodWard CNG system	√	√	√	√	-	-	

Auman heavy truck

Engine


	Bosch EDC17CV44(K line)		√	√	√	√	√	-
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	-	√	√	√	-	-
		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	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		-	√	√	√	-	-	
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		-	√	√	√	√	-
	Cummins ISBe engine _24V		-	√	√	√	-	Read history DTC
	Cummins ISDe engine_24V		-	√	√	√	-	Read history DTC

	Cummins diesel engine	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 svstem			-	√	√	√	√	Read history DTC, Service light reset	
	Yangchai engine	Bosch diesel C/R system	EDC17CV54(4DA2-40)	√	√	√	√	-	-	
		Wit unit pump system	Wit unit pump system (RS232) (Yuchai special)	-	√	√	√	-	-	
			Wit unit pump system (J1939)	-	√	√	√	-	Read history DTC	
			Wit unit pump system (RS232)	-	√	√	√	-	-	
	ABS	WABCO ABS(air brake midels)_K08 version		-	√	√	√	√	-	
		WABCO ABS_K12 version		√	√	√	√	√	-	
		WABCO ABS		-	√	√	√	√	-	
	ORD	Delphi EOBD		-	√	√	√	-	-	
		UMC EOBD		-	√	√	√	-	-	
		Bosch EOBD		-	√	√	√	-	-	
		EOBD emission diagnosis (ISO15765 CAN)		√	√	√	√	-	-	

				Engine ECU(Delphi Euro III E OBD)		-	√	√	√	√	O2 sensor EOL, CAT EOL, CKP learning			
				Engine (UMC)		-	√	√	√	√	Parameter adjustment			
				4JB1T 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	JoyLong				-	√	√	√	√	-
ABS					√	√	√	√	√	-		
	A/T	UMC UTC8.1				√	√	√	√	-	-	
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												

## HONGYAN FUNCTION LIST

 <b>FCAR F3 Diagnostic List</b> (Note: for reference only)								Automaker:	Hongyan Zhongka		
								Version:	V6.1		
Model	System	System	System	Functions							
				Version info	Read DTCs	Clear DTCs	Read data stream	Actuation test	Read freeze frame	Reamrks (other functions)	
Hongyan Zhongka	Weichai WP10 type_	Static diagnosis		√	√	√	-	-	√	Troubleshooting guide	
	BOSCH C/rail_24V	Dynamic diagnosis		√	-	-	√	√	-	Function test	
	Hangfa WD615 type_			-	√	√	√	√	-	Injector data, history fault code	
	DENSO C/rail 24V										
	SFH C9 series engine			√	√	√	√	-	-	-	
	Fiat engine			√	√	√	√	-	-	-	
	P11C type _ Hino engine 24V			√	√	√	√	√	-	Injector data, history fault code	
	Shangchai engine	SC5DK type _DENSO C/rail 24V	DENSO C/rail		√	√	√	√	√	-	QR code (4 cylinder + 6 cylinder)
		SC8DK type _DENSO C/rail 24V	DENSO C/rail		√	√	√	√	√	-	QR code (4 cylinder + 6 cylinder)
		SC9DK type _DENSO C/rail 24V	DENSO C/rail		√	√	√	√	√	-	QR code (4 cylinder + 6 cylinder)
SC9DF type _DENSO C/rail 24V		DENSO C/rail		√	√	√	√	√	-	QR code (4 cylinder + 6 cylinder)	
Yuchai YC6M type_	Static diagnosis			√	√	√	-	-	√	Troubleshooting guide	
	BOSCH C/rail_24V	Dynamic diagnosis		√	-	-	√	√	-	Function test	

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


## JAC FUNTION LIST

 <b>FCAR F3 Diagnosis list</b>					Automaker:		JAC					
					Software Version:		V5.7					
System	System	System	System	System	Function							
					Version info.	Read DTC	Clear DTC	Readout Data stream	Action test	Readout freeze frame	Others	
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
		CY4102-C3C	Static diagnosis			√	√	√	-	-	√	Fault solution instruction
			Dyamic diagnosis			√	-	-	√	√	-	Function test
	YU CHAI engine(BOSCH Diesel)_24V	YC4E140-30	Static diagnosis			√	√	√	-	-	√	Fault solution instruction
			Dyamic diagnosis			√	-	-	√	√	-	Function test
		YC4E160-30	Static diagnosis			√	√	√	-	-	√	Fault solution instruction
			Dyamic diagnosis			√	-	-	√	√	-	Function test
	XI CHAI engine(BOSCH Diesel)_24V	CA4DF3-13E3	Static diagnosis			√	√	√	-	-	√	Fault solution instruction
			Dyamic diagnosis			√	-	-	√	√	-	Function test
		CA4DF3-14E3	Static diagnosis			√	√	√	-	-	√	Fault solution instruction

	engine(BOSCH Diesel)_24V		Dyamic diagnosis		√	-	-	√	√	-	Function test	
		CA4DF3-17E3	Static diagnosis		√	√	√	-	-	√	Fault solution instruction	
			Dyamic 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(酉配 VTO ECU)_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	
			Dyamic diagnosis		√	-	-	√	√	-	Function test	
		YU CHAIYC6M type_BOSCH Common Rail_24V	Static diagnosis		√	√	√	-	-	√	Fault solution instruction	
			Dyamic diagnosis		√	-	-	√	√	-	Function test	
			WEI CHAI WP10 type_BOSCH Common Rail_24V	Static diagnosis		√	√	√	-	-	√	Fault solution instruction
				Dyamic diagnosis		√	-	-	√	√	-	Function test
			XI CHAICA6DL1 type_BOSCH Common Rail_24V	Static diagnosis		√	√	√	-	-	√	Fault solution instruction
				Dyamic 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
		Dyamic diagnosis		√	-	-	√	√	-	Function test	
BOSCH P607V40 engineSystem				√	√	√	√	√	√	Engine test, Injector data	
Remarks: √ means the system has this function - means not supported at this moment.											

## JCM FUNCTION LIST

 <b>FCAR F3 Diagnostic List</b> (Note: for reference only)			Automaker:		JCM					
			Version:		V5.3					
Engine types	Systems	Systems	Functions							
			Version info	Read DTCs	Clear DTCs	Read data stream	Actuation test	Read freeze frame	Remarks (other functions)	
Changchai engine	BOSCH common rail EDC16UC40	Static diagnostic data	√	√	√	-	-	√	Oil balance match	
		Dynamic diagnostic data	√	-	-	√	√	-	Functional test	
	BOSCH common rail EDC7	Static diagnostic data	√	√	√	-	-	√	Troubleshooting guide	
		Dynamic diagnostic data	√	-	-	√	√	-	Functional test	
	DELPHI common rail system	DELPHI common rail system 12V	√	√	√	√	√	-	Injectot test, write VIN, leak test	
		DELPHI common rail system Euro III	√	√	√	√	√	-	Injectot test, write VIN, leak test	
	DELPHI unit pump system	DELPHI unit pump system	√	√	√	√	-	-	-	
		DELPHI unit pump	-	√	√	√	-	-	-	
	WITT unit pump engine	WITT unit pump system (J1939)	-	√	√	√	-	-	-	
		WITT unit pump system (RS232)	-	√	√	√	-	-	-	
	Nanyue unit pump engine	Nanyue unit pump system (J1939)	-	√	√	√	-	-	-	
		Nanyue unit pump system R01 4 cyl	-	√	√	√	-	-	-	
		Nanyue unit pump system R01 6 cyl	-	√	√	√	-	-	-	
		Nanyue unit pump system R02	-	√	√	√	-	-	-	
		BOSCH common rail EDC16UC40	Static diagnostic data	√	√	√	-	-	√	Oil balance match
			Dynamic diagnostic data	√	-	-	√	√	-	Functional test
BOSCH common rail EDC7		Static diagnostic data	√	√	√	-	-	√	Troubleshooting guide	
		Dynamic diagnostic data	√	-	-	√	√	-	Functional test	
DELPHI common rail system		DELPHI common rail system 12V	√	√	√	√	√	-	Injectot test, write VIN, leak test	
		DELPHI common rail system Euro III	√	√	√	√	√	-	Injectot test, write VIN, leak test	
DELPHI unit pump		DELPHI unit pump system	√	√	√	√	-	-	-	

Yuchai engine	system	DELPHI unit pump	-	√	√	√	-	-	-
	WITT unit pump engine	WITT unit pump system (J1939)	-	√	√	√	-	-	-
		WITT unit pump system (RS232)	-	√	√	√	-	-	-
	Nanyue unit pump engine	Nanyue unit pump system (J1939)	-	√	√	√	-	-	-
		Nanyue unit pump system R01 4 cyl	-	√	√	√	-	-	-
		Nanyue unit pump system R01 6 cyl	-	√	√	√	-	-	-
		Nanyue unit pump system R02	-	√	√	√	-	-	-
Remarks: √ means the system supports this function - means not									

## KAMA FUNCTION LIST

 <b>FCAR F3 Diagnosis list</b>			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 Single-Unit Pump engine	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.

## SANY FUNCTION LIST

FCAR F3 Diagnostic list (Note: for reference only)		Manufacturer: Sany							
		Version: V5.1							
Engine type	System	System	Function					Remark (other functions)	
			Version info	Read DTC	Clear DTC	Read data stream	Adaptation test		Freeze frame
Weichai BOSCH common rail	BOSCH EDC7C31System	Static diagnostic data	√	√	√	-	-	√	Troubleshooting guide
		Dynamic diagnostic data	√	-	-	√	√	-	Function test
Shangchai DENSO common rail	DENSO common rail		√	√	√	√	√	-	QR code (4-cylinder) , QR code (6-cylinder)
Diesel OBD	J1708 diagnostic protocol	Engine	-	√	√	√	-	-	-
		Transmission	-	√	√	√	-	-	-
		Brake	-	√	√	√	-	-	-
		Instrument panel	-	√	√	√	-	-	-
		Vehicle management	-	√	√	√	-	-	-
		Fuel system	-	√	√	√	-	-	-
		Cab climate	-	√	√	√	-	-	-
		particulate	-	√	√	√	-	-	-
	J1939 diagnostic protocol		-	√	√	√	-	-	Read history DTC, clear history DTC

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

## SINO FUNCTION LIST

 <b>FCAR F3 Diagnostic list</b> (Note: for reference only)			Automaker: SINOTRUK CNG					
			Version: V5.9					
Model	System	System	Function					
			Read ECU Information	Read Fault Code	Erase Fault Code	Read Data Stream	Actuation Test	Remark (Other Function)
SINOTRUK CNG	SINOTRUK CNG		√	√	√	√	-	Off-cylinder function
Remark: √ means that the system support the function - means not								