

# China

<u>Chery</u>	<u>Geely</u>	<u>LandWind</u>	<u>MAPLE</u>
<u>Greatwall</u>	<u>Hafei</u>	<u>Brilliance auto</u>	<u>BYD</u>
<u>Dongfeng</u>	<u>Chongfengiebao</u>	<u>OBDII</u>	<u>EOBDII CAN</u>

# Asia

<u>Toyota/Lexus</u>	<u>Honda</u>	<u>Misubishi</u>	<u>Nissan</u>
<u>Mazda</u>	<u>Daihatsu</u>	<u>Suzuki</u>	<u>Hyundai</u>
<u>Kia</u>	<u>Daewoo</u>	<u>Proton</u>	<u>Perodua</u>
<u>OBDII</u>	<u>EOBDII CAN</u>		

# Europe

<u>Benz</u>	<u>Bmw</u>	<u>Vw/Audi</u>	<u>Seat</u>
<u>Skoda</u>	<u>Landrover</u>	<u>Volvo</u>	<u>Fiat</u>
<u>Alfa romeo</u>	<u>Peugeot</u>	<u>Citroen</u>	<u>Opel</u>
<u>Renault</u>	<u>OBDII</u>	<u>EOBDII CAN</u>	

# America







		ABS2								
		SRS								
S12	2005~	SRS								

Geely

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Computer version code	Data stream display
HQ serial MK FL BL	2000~2008	Engine-MRL single point injection				=	
	2000-2008	Engine-United electronic 1				=	
	2000-2008	Engine-United electronic M154				=	
	2002~2008	Engine-United electronic M7				=	
	2000~2008	Engine-Toyota				=	
	2005~	ABS				=	
	2005~	SRS					

## LANDWIND

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Computer version code	Data stream display
Landwind	2000~2008	Engine-Delphi				=	
	2000-2008	Engine-Mitsubishi				=	
	2000-2008	ABS				=	
	2002~2008	SRS				=	
	2000~2008	AT				=	

## MAPLE

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Computer version code	Data stream display
Maple M203	2000~2008	Engine				=	
Typhoon serial	2000~2008	Engine					
Meilu serial	2000~2008	Engine					
Jieshida	2000~2008	Engine					
Haiyu 303	2000~2008	Engine -7120					
	2000~2008	ABS					
Haixun 205	2000~2008	Engine					
	2000~2008	ABS					
Haiyu 305	2000~2008	Engine					
Haishang 305	2000~2008	Engine-United electronic M7					
	2000~2008	Engine-United electronic M154					

Haixun AB	2000~2008	Engine					
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Great wall

Vehicle type	Year	System configuration	Read failure code	Version code	Clear failure code	Component test	Data stream display
Great Wall motor	2000~2008	Engine-MRL-Single point injection		=			
		Engine-MRL-Multi-points injection		=			
		Engine ( Delphil )		=			
		Engine ( DelphiII )		=			
		Engine-Delphi European II		=			
		Engine-Delphi European III		=			
		Engine-Delphi 4G24		=			
		Engine-United Electronic I					
		SRS		=			
		ABS-BOSCH8.0		=			

HAFEI

Vehicle type	Year	Diagnosis system	Read failure code	Clear failure code	Dynamic data stream	Component test	Version code
Song	98~2008	Engine ( Delphil )					

hua jiang	2002~200 6	Engine United Electronic I					
		Air bag					
Zhong yi	2000~200 2	Engine ( Delphil )					
	2003~200 5	Engine( DelphiII )					
	2005~	Engine ( Delphi MT20U)					
	2002~200 4	Engine United Electronic I					
	=	Air bag					
Baili	2000~200 2	Engine ( Delphil )					
	2003~200 6	Engine( DelphiII )					
	2002~200 4	Engine United Electronic I					
	=	Air bag					
Minyi	2000~200 3	Engine ( Delphil )					
	2003~200 4	Engine( DelphiII )					
	2004~200 6	Engine ( DelphiIII )					
	2006~	Engine ( Delphi MT20U)					
	2000~200 3	United Electronic					
Saima	2002~200 4	Engine-Mitsubish i					
	2004~200 7	Engine ( United Electronic M7)					

		Airbag- Mitsubishi					
		Airbag - jinheng					
		Mitsubishi ABS					
		ABS brake-Wandu					
Lubao	20005 ~	Engine ( United Electronic M7 )					
	~ 2004	Engine M1					
		Wandu ABS					
		Airbag					
Saibao	2005 ~	Engine ( United Electronic M7 )					
	2001 ~ 200 3	Engine ( Delphil )					
	2002 ~ 200 4	Engine-Mitsubish i					
		Transmission- Mitsubishi					
		ABS brake					
		Airbag					
Ruiyi	2005 ~	Delphi MT20U					
	2000 ~ 200 8	United Electronic I					

Brilliance atuo

Vehicle type	Year	Diagnosis system	Read failure code	Clear failure code	Dynamic data stream	Component test	Version code
ZHONGHU A		MM MPI					
		Mitsubishi					
		Air bag					
		ABS					
		AT					
		IMMO					
		Central control system					
		Autoliv airbag					
		Jinheng airbag					
		ABS(ISO)					
JINBEI		MM SPI					
		MM MPI					
		Delphi					
		Delphi Europ II					
		Delphi 4G24					
		TOYOTA					
		Delphi Europ III					
		MITSUBISHI					
		Delphi 4G19					
		ABS					
		SRS					

GRACE		Engine (Delphil )					
		Engine( Toyota)					
		ABS					
		V-TO-A SRS					
		Siemens SRS					
DELPHI EOB		Engine (Delphil )					

[BYD Auto](#)

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Computer version code	Data stream display
Flyer Matiz	2000~2008	Engine					
		ABS				=	
		SRS				=	
F3 Serial	2004-2008	Engine				=	

[DongFeng](#)

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Computer version code	Data stream display
JINGYI		Engine					
		ABS				=	
		SRS				=	
		AT					
LINGZHI		Engine				=	
		ABS				=	
		SRS				=	
		AT					

[Chongfengiebao](#)

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Computer version code	Data stream display	
Liebao Jeep Heijingang Qibing	2000~2008	Engine-Delphi						
		ABS-Delphi				=		
		Engine-Mitsubishi					=	
		ABS-Mitsubishi					=	
		SRS-Mitsubishi					=	
		AT-Mitsubishi						
		SRS-Special system						

Toyota/Lexus

Diagnostic Adaptor	Year	System configuration	Read failure code	Clear failure code	Component test	Data stream display
17PIN squareness	93~2003	Engine				
		ABS				
		AT				
17PIN roundness	93~2008	Engine				
		AT				
		ABS				
		CCS				

16PIN Standard	96~2008	Engine				
		AT				
		ABS				
		CCS				
		SRS				
		Theft-deterrent system				
		Body control system				
		Power-assisted steering system				

[Honda](#)

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Data stream display
Accord Odyssey Fit CRV Civic Acura	96~2008	Engine-				
		ABS				
		SRS				
		Power steering system				
		AT				

[Misubishi](#)

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Data stream display	Vehicle type
Freeca Delica Lioncel Space wagon Lancer Galant Weili Landio	2000~2008	Engine				=	
		Four wheel steering system					
		Air Suspension					
		ABS-Mitsubish					
		SRS-Mitsubish					
		AC					
		SRS					
		Power steering system					

Nissan

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Idle learning	Data stream display
Blue bird Tiida Sunshine Teana	98~2008	Engine-Nissan					
		ABS-Nissan				=	
		SRS-Nissan				=	
		AT-Nissan					

BLUEBIRD SYLPHY	Body control system					=	
	Theft-deterrent system						
	Four wheel drive						
	Intelligent Entrance						
	Backsight system						
	Differential system						
	Hydraulic Control						

### Mazda

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Data stream display
3 serial 6 serial 9 serial MX MPV Z serial	95~2008	Engine				
		ABS				
		SRS				
		Instrument panel				
		AT				

### Daihatsu

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Data stream display
Daihatsu	~2001	Engine				
		ABS				
		AT				

## Suzuki

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Data stream display
GRAND-VITARA	~2008	Engine				
		ABS				
		SRS				
		Power-assisted steering system				
SOLIO	~2008	Engine				
		ABS				
		SRS				
		Power-assisted steering system				
SWIFT	~2008	Engine				
		ABS				
		SRS				
		Power-assisted steering system				

## Hyundai

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Data stream display
All Hyundai vehicles	91 ~ 2008	Engine				
		ABS				
		SRS				
		AT				

## Kia

Year	System configuration	Read failure code	Clear failure code	Component test	Data stream display
~2008	Engine				
	ABS				
	SRS				
	AT				

## Daewoo

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Data stream display
DAIWOO		Engine				
		ABS				
		SRS				
		AT				

### Proton

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Data stream display
PROTON		Engine				
		ABS				
		SRS				
		AT				
		IMMO				

### Perodua

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Data stream display
Perodua		Engine				
		ABS				
		SRS				
		AT				

### Benz

Vehicle type	Chassis	Diagnosis system	Read version code	Read failure code	Clear failure code	Dynamic data stream	Component test	System reset
BENZ	107	All the systems						
	124							

	126	with diagnostic function installed in vehicle								
	129									
	140									
	163									
	168									
	170									
	201									
	202									
	203									
	208									
	209									
	210									
	215									
	220									
	230									
	416									
	463									

[Bmw](#)

Vehicle type	Chassis	Year	Diagnosis system	Read version code	Read failure code	Clear failure code	Dynamic data stream	Component test	System reset
1	E87	2004~	All the systems						
3	E30	93~2000							





Sagitar	2006~										
Beetle	~2007										
SKODA	~2007										
AUDIA3	~2007										

### Seat

Please refer to the function list of testing VW/AUDI, because all the computer control systems of Seat are same as VW/Audi's

### Skoda

Please refer to the function list of testing VW/AUDI, because all the computer control systems of Seat are same as VW/Audi's

### Landrover

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Computer version code	Data stream display	Data stream waveform
Freelander	99~2008	Power control module						
		AT system						
		ABS control module						
		SRS system						
		Instrument panel system						
Discovery	99~2008	Power control module						

		AT system						
		SRS system						
		ABS control module						
Dange Rover	99~2008	Power control module						
		AT system						
		ABS control module						
Defender	99~2008	Power control module						
		ABS control module						

## Volvo

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Computer version code	Data stream display	Data stream waveform
S40 S70 S90	2000~2008	Engine system						
		Automatic Transmission						
		ABS system						
		SRS system 1						

## Fiat

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Computer version code	Data stream display	Data stream waveform
FIAT	2000~2008	Engine-M&M system						
		Engine-Fiat original power						
		ABS system						
		SRS system 2						
		Automatic air conditioner system						

## Alfa romeo

Please refer to the function list of testing FIAT, because all the computer control systems of Seat are same as FIAT

## Peugeot

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Computer version code	Data stream display	Data stream waveform
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106 206 306 307 406 607	2000~2008	Engine system						
		Automatic Transmission						
		ABS system						
		SRS system 1						
		SRS system2						

## Citroen

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Computer version code	Data stream display	Data stream waveform
ZX serial	2000~2008	Engine system						
		AT system				=		
		ABS system				=		
ELYSEE	2001~2008	Engine system				=		
		AT system				=		
		ABS system				=		
		Theft-deterrent system				=		
		Remote control system				=		
PICASSO	2004~2008	Engine system				=		
		AT system				=		

XSARA		ABS system				=		
		Theft-deterrent system				=		
		Air conditioner system						
		Control panel						
		Wireless equipment						
		CD player						
		Embedded system						
C5 C3 C2	2004 ~ 2008	Engine system						
		AT system						
		ABS system						
		Theft-deterrent system						
		SRS system						
		Embedded system						

Opel

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Computer version code	Data stream display	Data stream waveform
Agila, Astra,	97 ~ 2008	Engine						
		Body						

Campo, Omega, Zafira, Vectra, Business car		Chassis						
		Information system						

Renault

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Computer version code	Data stream display	Data stream waveform
Laguna, Avantime, MEGANE, Vel Satis, SENIC, TRAFIC, CLIO, Safrane, Master, Espace MPV, KANKOO, super, SAVANNA spider, extra,	~ 2008	Engine system						
		Automatic Transmission						
		ABS system						
		SRS system 1						
		Theft-deterrent system						
		Network control						
		AC system						
		Power-Assisted steering system						
		Instrument panel system						
Door system								

alpine, RACING CAR		Tire system						
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Chrysler

Vehicle type	Diagnostic Adaptor	System configuration	Read failure code	Clear failure code	Component test	Computer version code	Data stream display	Data stream waveform
Chrysler	6PIN	Power control module						
	16PIN	Body control module						

Ford

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Computer version code	Data stream display	Data stream waveform
Ford	97~2008	Power control module						
		Body control module						
		ABS control module						

		SRS						
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**GM**

Vehicle type	Year	System configuration	Read failure code	Clear failure code	Component test	Computer version code	Data stream display	Data stream waveform
GM	96~2008	Power control module						
		Body control module						
		Chassis control module						

**OBDII, EOBDII CAN**

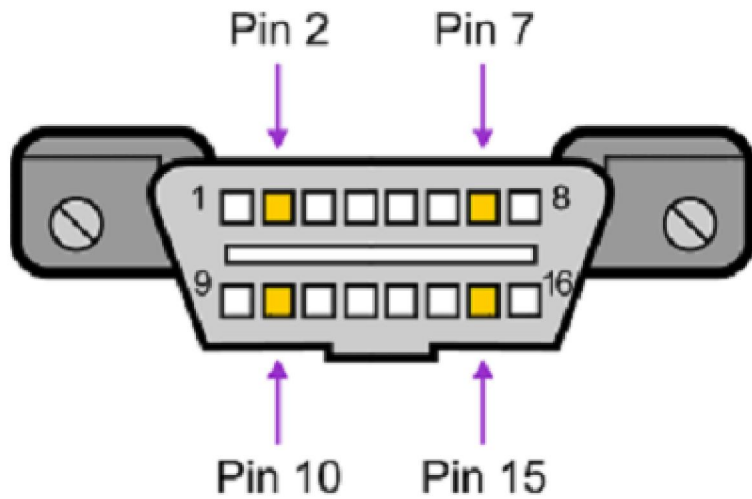
—、OBD-II brief introduction

OBD- is the short form for ON-BOARD DIAGNOSTICS- , The diagnostic system before 1993 is the first generation, different manufacturers were using different diagnostic adaptor、 failure code and diagnostic function, and then brought about some difficulties for the technician. SAE established a set of standard norm, which was certificated by the Environmental Protection Organization (EPA) and CARB, it requires that every automobile making manufacturer providing the unified diagnostic mode, adaptor according to the OBD-II standard, it mean that the diagnostic checking could be carried out on every vehicle types by one instrument.

OBD- is the standard norm of American California, all the vehicles sold to American California should be coincident with this norm. At present, this norm is also executing in China. According as the development of automobile communication, most vehicle types are using OBD standard.

## 二、OBD-II Peculiarity

(1) The unified diagnostic pattern is 16pin, refer to the below drawing 1.



Drawing 1

(2) DATA LINK CONNECTOR-DLC.

(3) Unified failure code and meaning.

(4) Automobile running recorder.

(5) Display the recorded failure code.

(6) Directly clear failure code through instrument.

≡ : Standard DLC diagnostic adaptor

1. The standard DLC diagnostic adaptor is 16pin , and locates under the instrument panel.

2. There are two standard for DLC: ISO-- (INTERNATIONAL STANDARDS ORGANIZATION 9141-2), and using 7# and 15# to transfer data; SAE--(SAE-J1850), and using 2# and 10# to transfer data.

Function list of OBD- diagnostic pin, refer to the below drawing 1.

Pin	Function description	Pin	Function description
1	SAE J2411, GM single wire CAN; GM single wire CAN-BUS	9	If can't use 7#, use *KWP1281or KWP2000 agreement diagnostic wire (K wire)
2	ISO11519-4 (Bus+)(SAE J1850), using with 10# at the same time	10	ISO 11519-4 (Bus-)(SAE J1850)
3	CCD-BUS reticle H	11	CHRYSLER CCD-BUS L wire
4	Chassis Ground	12	K wire Manufacturer reserve
5	Signal ground	13	K wire Manufacturer reserve
6	ISO 15765-4;CAN-BUS high-speed diagnostic wire (H wire)	14	ISO15765-4; CAN-BUS high-speed diagnostic wire (L wire)
7	KWP1281 or KWP2000 agreement diagnostic wire (K wire)	15	KWP1281 or KWP2000 agreement diagnostic wire (K wire)
8	IG+; Ignition switch ON/Off	16	Battery Power +