

Benz Diagnostic Software Menu Selection

CONTENT

1. Brief.....	1
1.1 About Document	1
1.2 Application Range.....	1
2. Content and Example.....	1
2.1 Benz VIN	1
2.1.1 Non-American Benz.....	1
2.1.2 American Benz.....	2
2.2 Benz VIN Relationship to Chassis and Car Model.....	3
2.2.1 Non-American Benz.....	3
2.2.2 American Benz.....	4
2.3 Benz VIN Relationship to Body Type	5
2.3.1 Non-American Benz.....	5
2.3.2 American Benz.....	5
2.4 Menu Selection	6
2.4.1 Non-American Benz.....	6
2.4.2 American Benz.....	6

1. Brief

1.1 About Document

This document briefly introduces the Benz Car Type VIN relationship to chassis, car type, and car model, as well as how to select Benz diagnostic software menu according to the VIN.

1.2 Application Range

It's applicable for all Benz sedan car models.

2. Content and Example

2.1 Benz VIN

2.1.1 Non-American Benz

When the 4th character of a Benz VIN is number, it's a non-American car model. Take WDD2211941A000000 for example. The first 3 characters mean manufacturer code, 4-6th characters mean chassis/model, 7-9th characters mean body type, 10th character means steering wheel position (1 means left hand drive, 2 means right hand drive), 11th character means plant code and 12-17th characters mean serial number.

Chassis Explanation

MY11 S550 chassis no. corresponding to VIN WDDNG9EB6AA000000																
										WDD	221	194	1	A	000000	
Manufacturer Code																
Model (3 digits)*																
Body type (3 digits)*																
* together = Baumuster (Model Designation)																
Left hand drive = 1 / Right hand drive = 2																
Plant Codes (WDB):																
Plant Code (WDC):																
Plant Codes (WDD):																
Plant Code (4JG):																
Serial Number (always 6 digits)																

2.1.2 American Benz

When the 4th character of a Benz VIN is letter, it's an American car model. Take WDDNG9EB6BA000000 for example. The first 3 characters mean manufacturer code, 4-7th characters mean chassis and detailed car model, 8th character means passenger restraint system, 9th character means check digit, 10th character means model year/registration year (1 cycle=30 years, details are as below), 11th character means plant code and 12-17th characters mean serial number.

VIN Explanation

<u>Model Year 2011 S550 VIN</u>		<u>WDD</u>	<u>NG9E</u>	<u>B</u>	<u>6</u>	<u>B</u>	<u>A</u>	<u>000000</u>
Manufacturer's Code								
Model Type								
Restraint System								
Check Digit								
Registration Year								
Plant Codes (WDB):	A,B,C,D = Sindelfingen E = Juiz De Fora (Brazil) F,G,H = Bremen T = Osnabruek							
Plant Code (WDC):	X = Graz (Austria) F = Bremen							
Plant Codes (WDD):	A = Sindelfingen F,G,H = Bremen J = Rastatt M = Woking (UK) – SLR McLaren R, S = East London (South Africa)							
Plant Code (4JG):	A = Vance, Alabama (US)							
Sequential Serial Number (6 digits)								

American Benz Model Year Table					
A	1980	L	1990	Y	2000
B	1981	M	1991	1	2001
C	1982	N	1992	2	2002
D	1983	P	1993	3	2003
E	1984	R	1994	4	2004
F	1985	S	1995	5	2005
G	1986	T	1996	6	2006
H	1987	V	1997	7	2007
J	1988	W	1998	8	2008
K	1989	X	1999	9	2009

2.2 Benz VIN Relationship to Chassis and Car Model

2.2.1 Non-American Benz

4-6th characters of VIN mean the chassis number, details as shown in below table:

MODEL	CHASSIS	VIN (4-6)
A-CLASS	168	168
A-CLASS	169	169
A-CLASS	176	176
B-CLASS	245	245
B-CLASS	246	246
C-CLASS	201	201
C-CLASS	202	202
C-CLASS	203	203
C-CLASS	204	204
CL-CLASS	215	215
CL-CLASS	216	216
CLK-CLASS	208	208
CLK-CLASS	209	209
CLS-CLASS	218	218
CLS-CLASS	219	219
E-CLASS	124	124
E-CLASS	210	210
E-CLASS	211	211
E-CLASS	212	212
E-CLASS	207	207
G-CLASS	461	461
G-CLASS	463	463
GL-CLASS	X164	164
GL-CLASS	X166	166
GLK-CLASS	X204	204
ML-CLASS	164	164
ML-CLASS	163	163
ML-CLASS	166	166
Maybach	240	240
S-CLASS	126	126
S-CLASS	140	140
S-CLASS	220	220
S-CLASS	221	221
SL-CLASS	107	107
SL-CLASS	129	129
SL-CLASS	230	230

SL-CLASS	231	231
SLK-CLASS	170	170
SLK-CLASS	171	171
SLK-CLASS	172	172
SLR-CLASS	199	199
SLS-CLASS	197	197
R-CLASS	251	251

2.2.2 American Benz

1-5th characters of VIN together determine the chassis number, details as shown in below table (* means any character):

MODEL	CHASSIS	VIN (1-5)
B-CLASS	245	WDDF*
C-CLASS	201	WDBD*
C-CLASS	202	WDBH*
C-CLASS	203	WDBR*
C-CLASS	204	WDDG*
CL-CLASS	215	WDBP*
CL-CLASS	216	WDDE*
CLK-CLASS	208	WDBL*
CLK-CLASS	209	WDBT*
CLS-CLASS	218	WDDL*
CLS-CLASS	219	WDDD*
E-CLASS	124	WDBE*
E-CLASS	210	WDBJ*
E-CLASS	211	WDBU*
E-CLASS	212	WDDH*
E-CLASS	207	WDDK*
G-CLASS	463	WDCY*
GL-CLASS	X164	4JGBF/WDCBF
GL-CLASS	X166	4JGDF/WDCDF
GLK-CLASS	X204	WDCGG/WDDGX
ML-CLASS	164	4JGBB/WDCBB
ML-CLASS	163	4JGAB/WDCAB
ML-CLASS	166	4JGDA/WDCDA
Maybach	240	WDBV*
S-CLASS	126	WDBC*
S-CLASS	140	WDBG*
S-CLASS	220	WDBN*
S-CLASS	221	WDDN*
SL-CLASS	107	WDBB*
SL-CLASS	129	WDBF*

SL-CLASS	230	WDBS*
SL-CLASS	231	WDDJ*
SLK-CLASS	170	WDBK*
SLK-CLASS	171	WDBW*
SLK-CLASS	172	WDDP*
SLR-CLASS	199	WDDA*
SLS-CLASS	197	WDDR*
R-CLASS	251	4JGC*/WDCC*

2.3 Benz VIN Relationship to Body Type

2.3.1 Non-American Benz

7-9th characters of VIN mean body type (fixed as number). Take WDD2211941A000000 for example, the body type is 194.

2.3.2 American Benz

5-7th characters of VIN determine the body type. The 6th character is fixed as number and 7th character can be number or letter. When it's letter, rules as following: A(0), B(1), C(2), D(3), E(4), F(5), G(6), H(7), J(8), K(9).

The 5th character of VIN is fixed as letter, details as following:

- WDCGG(X204): Fixed as letter G and G stands for number 9
- WDDGX(X204): Fixed as letter X and X stands for number 9
- WDCG(204): Fixed as following letters , rules are: A(0), C(2), R(2), D(3), S(3)
- WDDG(204): Fixed as following letters, rules are: F(0), H(2), J(3)
- WDCY(463): Fixed as following letters, rules are: R(2), C(2), D(3), S(3)
- 4JGAB/WDCAB(163): Fixed as letter B and B stands for number 1
- 4JGBB/WDCBB(164): Fixed as letter B and B stands for number 1
- 4JGBF/WDCBF(X164): Fixed as letter F and F stands for number 8
- 4JGC/WDCC(251): Fixed as following letters, rules are: A(0), B(1)
- 4JGDA/WDCDA(166): Fixed as letter A and A stands for number 1
- 4JGDF/WDCDF(X166): Fixed as letter F and F stands for number 8
- Others: Fixed as following letters, rules are: F(0), G(1), H(2), J(3), K(4), L(5), M(6), N(7), P(8), R(9).

2.4 Menu Selection

2.4.1 Non-American Benz

Example 1:

Take WDB1714562f051058 for example. According to Non-American Benz VIN Relationship to Chassis and Model, the car model is SLK-CLASS, chassis is 171. According to the Non-American Benz VIN Relationship to Body Type, the body type is 456. In conclusion, for this car, user shall select Car Model 171.456 under 171(SLK-Class) to test.

Example 2:

Take WDD2193752a016144 for example. According to Non-American Benz VIN Relationship to Chassis and Model, the car model is CLS-CLASS, chassis is 219. According to the Non-American Benz VIN Relationship to Body Type, the body type is 375. In conclusion, for this car, user shall select Car Model 219.375 under 219 (CLS-Class) to test.

2.4.2 American Benz

Example 1:

Take WDDNG8GB2AA127419 for example. According to American Benz VIN Relationship to Chassis and Model, the car model is S-CLASS, chassis is 221. According to the American Benz VIN Relationship to Body Type, the body type is 186. According to American Benz VIN analysis, the car model year is 2010. In conclusion, for this car, user shall select Car Model 221.186 under 221-S Class (As of 07/2009) to test.

Example 2:

Take 4JGAB57E15A521383 for example. According to American Benz VIN Relationship to Chassis and Model, the car model is ML-CLASS, chassis is 163. According to the American Benz VIN Relationship to Body Type, the body type is 157. In conclusion, for this car, user shall select Car Model 163.157 under 163 (ML-Class) to test.