Benz Diagnostic Software Menu Selection

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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.

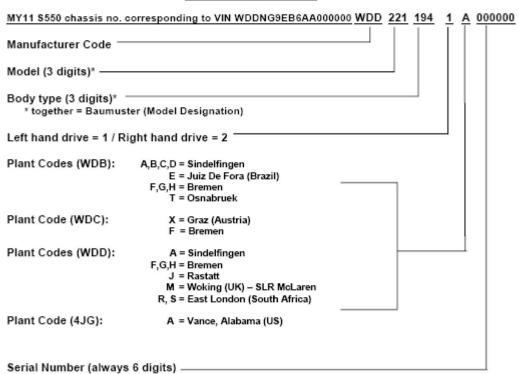
2. Content and Example

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.

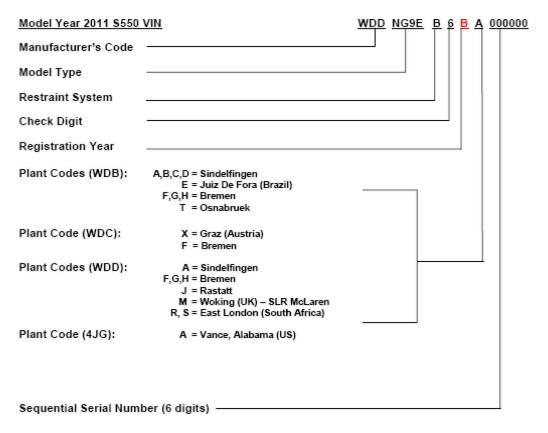
Chassis Explanation



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



| American Benz Model Year Table | | | | | |
|--------------------------------|------|---|------|---|------|
| Α | 1980 | L | 1990 | Υ | 2000 |
| В | 1981 | М | 1991 | 1 | 2001 |
| С | 1982 | Ν | 1992 | 2 | 2002 |
| D | 1983 | Ρ | 1993 | 3 | 2003 |
| Е | 1984 | R | 1994 | 4 | 2004 |
| F | 1985 | S | 1995 | 5 | 2005 |
| G | 1986 | T | 1996 | 6 | 2006 |
| Н | 1987 | ٧ | 1997 | 7 | 2007 |
| J | 1988 | W | 1998 | 8 | 2008 |
| K | 1989 | Х | 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:

| DOIOW LADIO. | | |
|--------------|---------|-----------|
| 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.