



Diagnosis - Diagnostic Trouble Code (DTC) Memory (driver/passenger-side airbag/side airbag/windowbag)

Preliminary work:	
Diagnosis - Function Test	11

Preparation for DTC readout

- 1. Review 11, 12, 13, 20, 22, 31,
- 2. Connect Hand-Held Tester (HHT) as per connection diagram, see section 0, and readout DTC memory,
- 3. Fuses OK,
- 4. Battery voltage 11 – 14 V.

 **CAUTION!**
Do not connect battery trickle charger.

 **CAUTION!**
Risk of Injury when performing Diagnostic Tests and repairs on components of the SRS system and/or the ETR.
Store both airbags and side airbags with opening surface pointing upward.
Do not expose to temperatures above 100°C.
Interrupt any electrical current from reaching the airbag unit.
Review pages: 11/1 and 11/2



Diagnostic trouble codes (DTC's) can only be read out and erased **using the Hand-Held Tester (HHT).**



When installing additional accessories, observe harness clearances near SRS sensor lines.

Test equipment; See MBUSA Standard Service Equipment Program

Hand-Held Tester (HHT) ¹⁾	See S.I. in groups 58 and 99.
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¹⁾ Available through the MBUSA Standard Equipment Program.

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A current fault is indicated by the DTC being highlighted in black.
Additional detailed information is given with most DTC's, which will indicate possible faults conditions or portions thereof:

- > Ω Resistance too great.
- < Ω Resistance too low.
- Γ - Short circuit to ground (GND)
- Γ + Short circuit to positive (POS).
- /- Open circuit.

Fault frequency and time span of the fault can be read by pressing the key.

Fault frequency:

Faults are noted by frequency of occurrence, i.e.: 5 periodic faults, 5 occurrences, eliminated 5 times.

Time span:

The amount of time elapsed since last fault, or since fault eliminated itself.

Actual values:

Four displays are possible:

✓, F, ON, OFF.

✓ : Noted values are within the nominal values.

F : Noted values are **outside** the nominal values.

ON: Seat belt buckle latched, front passenger seat **occupied**.

OFF: Seat belt buckle **not** latched, front passenger seat **not occupied**.

Contrary to the DTC memory, actual values are updated continuously, even during diagnosis, so that, e.g.: by moving components, or connections and wiring harnesses, intermittent failures may be indicated, recognized.

Additional Actual Values:

If so equipped, with Seat Occupied Recognition (SOR) with Automatic Child Seat Recognition (ACSR) the additional information is shown:

Function: F / SOR / ACSR

(SOR continues to be active regardless if MB Child seat "Babysafe" is not used or recognized).

Passenger seat: **occupied / not occupied**

Child seat: **F / recognized / not used**

Facing direction of child seat: **F / forwards / backwards**




The actual values: SOR/ACSR are updated approx. every 15 seconds.

16.6 Airbag (AB)

Model 210 as of M.Y. 1999

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DTC 	Possible cause	Hints	Test step/Remedy ¹⁾
No communication with HHT	Diagnostic line		23⇒ 34.0
No fault codes	No fault codes recognized.	In case of complaint; Perform Electrical Test: 23	23
B1000	ARMIN control module (N2/7)		N2/7
B1476	SRS MIL (A1e15)		23⇒ 2.0
B1010	Voltage supply		23⇒ 1.0
B1859	Driver airbag squib (R12/3)		23⇒ 4.0, 23⇒ 3.0
B1861	Front passenger AB squib (R12/8)		23⇒ 6.0, 23⇒ 5.0
B1863	Driver ETR squib (R12/1)		23⇒ 18.0, 23⇒ 17.0
B1864	Front passenger ETR squib (R12/2)		23⇒ 20.0, 23⇒ 19.0
B1865	LR ETR squib (R12/6)		23⇒ 24.0, 23⇒ 23.0
B1866	RR ETR squib (R12/7)		23⇒ 26.0, 23⇒ 25.0

¹⁾ Observe Preparation for Test, see 22.

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Model 210 as of M.Y. 1999

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DTC 	Possible cause	Hints	Test step/Remedy ¹⁾
B1867	Left front side airbag squib (R12/20)		23⇒ 8.0, 23⇒ 7.0
B1868	Left rear windowbag squib (R12/22)		23⇒ 28.0, 23⇒ 27.0
B1869	RR side airbag squib (R12/12)		23⇒ 12.0, 23⇒ 11.0
B1871	Right front side airbag squib (R12/21)		23⇒ 10.0, 23⇒ 9.0
B1872	Right rear side airbag squib (R12/23)		23⇒ 30.0, 23⇒ 29.0
B1873	RR side airbag squib (R12/12)		23⇒ 14.0, 23⇒ 13.0
B1321	Left front seat belt buckle switch (AB/ETR) (S68/3)		23⇒ 21.0
B1322	Right front seat belt buckle switch (AB/ETR) (S68/4)		23⇒ 22.0
B1310	Left side airbag sensor (A53/1)		23⇒ 15.0
B1311	Right side airbag sensor (A54/1)		23⇒ 16.0

¹⁾ Observe Preparation for Test, see 22.

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Model 210 as of M.Y. 1999

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DTC 	Possible cause	Hints	Test step/Remedy ¹⁾
B1315	Front passenger seat occupied recognition with automatic child seat recognition (ACSR (B48)		23⇒ 31.0
B1875	Digital crash output		23⇒ 35.0
B1876	Analoge crash output		23⇒ 36.0
B1878	Automatic child seat recognition warning lamp (N72e1) (AIRBAG OFF)		23⇒ 33.0

¹⁾ Observe Preparation for Test, see 22.