

Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⚠ CAUTION!




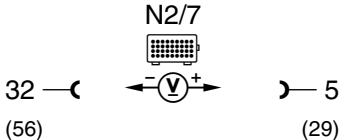


Risk of Injury when performing Diagnostic Tests and repairs on components of the SRS system.
 Store both airbags and side airbags with opening surface pointing upward.
 Do not expose to temperatures above 100°C.

Interrupt any electrical current from reaching the airbag unit.










Review 11/1 and 11/2

Preparation for Test:













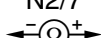





1. Review section 0, 11, 12, 13, 20, 22, 31,
2. Review: GF91.60-P-2003A prior to performing test,
3. Fuses are OK,
4. Battery 11 – 14 V

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/  display	Possible cause/Remedy
1.0	B1010	Circuit 15R Voltage supply HHT actual values		Ignition key in position "2".	✓ F	Wiring, Battery.
1.1		ARMIN control module (N2/7) Voltage supply	 <p style="text-align: center;">N2/7</p>	Remove ignition key. Disconnect connector on N2/7 using aid. Connect  (22, Figure 1), Ignition key in position "1".	11 – 14 V	Wiring. If values are OK: N2/7
2.0	B1476	SRS MIL (A1e15) HHT actual values		Ignition key in position "2". SRS MIL (A1e15) illuminates.	SRS MIL (A1e15) goes out after approx. 4 – 20 seconds. ✓ F	⇒ 2.1















Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/  display	Possible cause/Remedy
2.1		SRS MIL (A1e15) Function Test		Disconnect connector on N2/7. Start engine.	SRS MIL (A1e15) illuminates.	If values are OK: N2/7 If values are not OK: Wiring, SRS MIL (A1e15)
3.0	B1859	Driver AB squib (R12/3) HHT actual values		Ignition key in position "2".	✓ F	⇒ 3.1
3.1		Driver AB squib (R12/3) HHT actual values	1 —  R12/3  — 2	Remove ignition key. Remove driver AB unit, Disconnect connector on R12/3, Connect  , (22, Figure 2). Set resistance to 3 Ω, Ignition key in position "2".	✓ F	R12/3 ⇒ 3.2
3.2		Driver AB squib (R12/3) HHT actual values	3 —  A45x1  — 4	Remove ignition key. Disconnect connector (A45x1), Connect  , (22, Figure 2). Set resistance to 3 Ω, Ignition key in position "2".	✓ F	Check continuity of A45, ⇒ 3.3



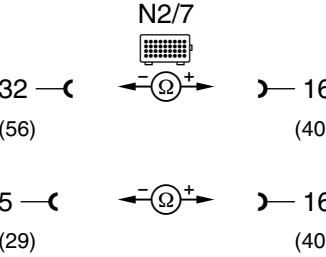





Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/  display	Possible cause/Remedy
3.3		Driver AB squib (R12/3) HHT actual values	<p>1 —  X28/23</p> <p> — 2</p> <p></p>	Remove ignition key. Disconnect connector X28/23. Connect  , Set resistance to 3 Ω, Ignition key in position "2".	✓ F	Wiring. ⇒ 3.4
3.4		Driver AB squib (R12/3) Resistance	<p>9 —  N2/7</p> <p> 10</p> <p>(33)  (34)</p>	Remove ignition key. Disconnect connector on N2/7 using aid. Connect  , (22, Figure 1).	2 – 5 Ω	Wiring.
4.0	B1859	Driver AB squib (R12/3) Short circuit test Γ1– Γ1+	<p>32 —  N2/7</p> <p> 9</p> <p>(56)  (33)</p> <p>5 —  N2/7</p> <p> 9</p> <p>(29)  (33)</p>	Remove ignition key. Disconnect connector on N2/7 using aid. Connect  , (22, Figure 1).	>20 kΩ >20 kΩ	Wiring, Short circuit after circuit 31, 30, 15, 15R
5.0	B1861	Front passenger AB squib (R12/8) HHT actual values		Ignition key in position "2".	✓ F	⇒ 5.1





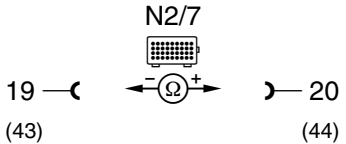

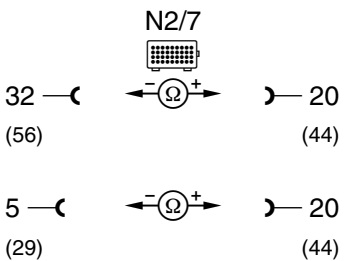


Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/  display	Possible cause/Remedy
5.1		Front passenger AB squib (R12/8) HHT actual values	<p>1 —  R12/8  2</p> <p></p>	Remove ignition key. Remove glovebox insert, Disconnect connector at R12/8, Connect  , (22, Figure 2). Set resistance to 3 Ω, Ignition key in position "2".	✓ F	R12/8 ⇒ 5.2
5.2		Front passenger AB squib (R12/8) HHT actual values	<p>3 —  X28/23  4</p> <p></p>	Remove ignition key. Disconnect connector X28/23. Connect  , Set resistance to 3 Ω, Ignition key in position "2".	✓ F	Wiring. ⇒ 5.3
5.3		Front passenger AB squib (R12/8) Resistance	<p>15 —  N2/7  16</p> <p>(39)  (40)</p>	Remove ignition key. Disconnect connector on N2/7 using aid. Connect  , (22, Figure 2).	2 – 5 Ω	Wiring.







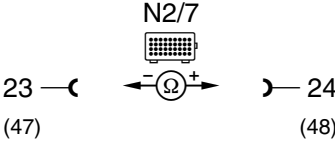

Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/  display	Possible cause/Remedy
6.0	B1861	Front passenger AB squib (R12/8) Short circuit test Γ1- Γ1+		Remove ignition key. Disconnect connector on N2/7 using aid. Connect  (22, Figure 1).	>20 kΩ >20 kΩ	Wiring, Short circuit after circuit 31, 30, 15, 15R
7.0	B1867	Left front side airbag squib (R12/20) HHT actual values		Ignition key in position "2".	✓ F	⇒ 7.1
7.1		Left front side airbag squib (R12/20) HHT actual values	1 —  — 2 X35/41 	Remove ignition key. Disconnect connector at door separation point. Connect  , (22, Figure 3). Set resistance to 3 Ω, Ignition key in position "2".	✓ F	Wiring, R12/20 ⇒ 7.2

Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/  display	Possible cause/Remedy
7.2		Left front side airbag squib (R12/20) HHT actual values	<p>R12/20</p> 	Remove ignition key. Remove door panel. Connect  , (22, Figure 2). Set resistance to 3 Ω, Ignition key in position "2".	✓ F	R12/20 ⇒ 7.3
7.3		Left front side airbag squib (R12/20) Resistance	<p>N2/7</p> 	Remove ignition key. Disconnect connector on N2/7 using aid. Connect  , (22, Figure 1).	2 – 5 Ω	Wiring.
8.0	B1867	Left front side airbag squib (R12/20) Short circuit test Γ1- Γ1+	<p>N2/7</p> 	Remove ignition key. Disconnect connector on N2/7 using aid. Connect  , (22, Figure 1).	>20 kΩ >20 kΩ	Wiring, Short circuit after circuit 31, 30, 15, 15R
9.0	B1871	Left front side airbag squib (R12/21) HHT actual values		Ignition key in position "2".	✓ F	⇒ 9.1



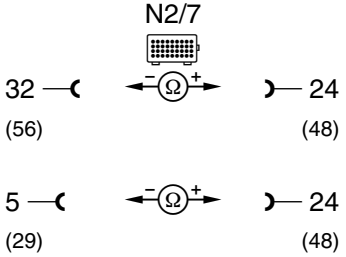




Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/  display	Possible cause/Remedy
9.1		Left front side airbag squib (R12/21) HHT actual values	 <p>X35/42</p>	Remove ignition key. Disconnect connector at door separation point. Connect  , (22, Figure 2). Set resistance to 3 Ω, Ignition key in position "2".	✓ F	Wiring, R12/21 ⇒ 9.2
9.2		Left front side airbag squib (R12/21) HHT actual values	 <p>R12/21</p>	Remove ignition key. Remove door panel. Connect  , (22, Figure 2). Set resistance to 3 Ω, Ignition key in position "2".	✓ F	R12/21 ⇒ 9.3
9.3		Left front side airbag squib (R12/21) Resistance	 <p>N2/7</p>	Remove ignition key. Disconnect connector on N2/7 using aid. Connect  , (22, Figure 1).	2 – 5 Ω	Wiring.










16.6 Airbag (AB)

Model 210 as of M. Y. 1999

Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/  display	Possible cause/Remedy
10.0	B1871	Left front side airbag squib (R12/21) Short circuit test Γ1- Γ1+	<p>N2/7</p> 	Remove ignition key. Disconnect connector on N2/7 using aid. Connect  (22, Figure 1).	>20 kΩ >20 kΩ	Wiring, Short circuit after circuit 31, 30, 15, 15R
11.0	B1869	LR side airbag squib (R12/11) HHT actual values (Only for side airbag in rear door, as of 06/98)		Ignition key in position "2".	✓ F	⇒ 11.1
11.1		LR side airbag squib (R12/11) HHT actual values	<p>X35/3</p> 	Remove ignition key. Disconnect connector at door separation point (X35/3). Connect  , (22, Figure 2). Set resistance to 3 Ω, Ignition key in position "2".	✓ F	Wiring, R12/11 ⇒ 11.2

Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/  display	Possible cause/Remedy
11.2		LR side airbag squib (R12/11) HHT actual values	<p style="text-align: center;">R12/11</p> 	Remove ignition key. Remove door panel. Connect  , (22, Figure 2). Set resistance to 3 Ω, Ignition key in position "2".	✓ F	R12/11 ⇒ 11.3
11.3		LR side airbag squib (R12/11) Resistance	<p style="text-align: center;">N2/7</p> 	Remove ignition key. Disconnect connector on N2/7 using aid. Connect  , (22, Figure 1).	2 – 5 Ω	Wiring.
12.0	81869	LR side airbag squib (R12/11) Short circuit test Γ1- Γ1+ (Only for side airbag in rear door, as of 06/98)	<p style="text-align: center;">N2/7</p>  <p style="text-align: center;">N2/7</p> 	Remove ignition key. Disconnect connector on N2/7 using aid. Connect  , (22, Figure 1).	>20 kΩ >20 kΩ	Wiring, Short circuit after circuit 31, 30, 15, 15R

16.6 Airbag (AB)

Model 210 as of M. Y. 1999

Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/ display	Possible cause/Remedy
13.0	B1B73	RR side airbag squib (R12/12) HHT actual values (Only for side airbag in rear door as of 06/98)		Ignition key in position "2".	✓ F	⇒ 13.1
13.1		RR side airbag squib (R12/12) HHT actual values	1 — X35/4 — 2	Remove ignition key. Disconnect connector at door separation point (X35/4). Connect , (22, Figure 2). Set resistance to 3 Ω, Ignition key in position "2".	✓ F	Wiring, R12/12 ⇒ 13.2
13.2		RR side airbag squib (R12/12) HHT actual values	1 — R12/12 — 2	Remove ignition key. Remove door panel. Connect , (22, Figure 2). Set resistance to 3 Ω, Ignition key in position "2".	✓ F	R12/12 ⇒ 13.3

16.6 Airbag (AB)

Model 210 as of M. Y. 1999



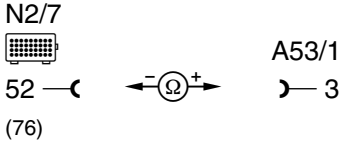

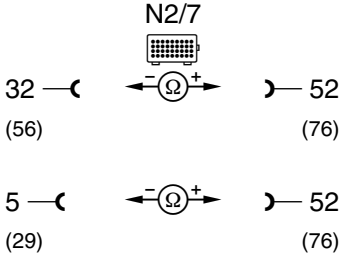


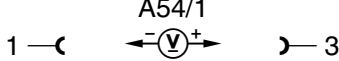
Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/ display	Possible cause/Remedy
13.3		RR side airbag squib (R12/12) Resistance	<p>N2/7</p> <p>29 —(30 (53) (54)</p>	Remove ignition key. Disconnect connector on N2/7 using aid. Connect , (22, Figure 1).	2 – 5 Ω	Wiring.
14.0	81873	RR side airbag squib (R12/12) Short circuit test Γ1- Γ1+ (Only for side airbag in rear door, as of 06/98)	<p>N2/7</p> <p>32 —(29 (56) (53)</p> <p>5 —(29 (29) (53)</p>	Remove ignition key. Disconnect connector on N2/7 using aid. Connect , (22, Figure 1).	>20 kΩ >20 kΩ	Wiring, Short circuit after circuit 31, 30, 15, 15R
15.0	81310	Left side airbag sensor (A53/1) Voltage supply	<p>A53/1</p> <p>1 —(3</p>	Remove ignition key. Disconnect connector on A53/1. Connect test cables, (22, Figure 4), Ignition key in position “2”.	Voltage cycles between 3 V and 7 V	Wiring.

16.6 Airbag (AB)

Model 210 as of M. Y. 1999

Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/  display	Possible cause/Remedy
15.1		Left side airbag sensor (A53/1) Wiring fault		Remove ignition key. Disconnect connector on A53/1. Disconnect connector on N2/7, Connect  , (22, Figure 1).	<1 Ω	Wiring.
15.2		Left side airbag sensor (A53/1) Short circuit test Γ1- Γ1+		Remove ignition key. Disconnect connector on A53/1 Disconnect connector on N2/7 using aid. Connect  , (22, Figure 1).	>20 kΩ >20 kΩ	Wiring, Short circuit after circuit 31, 30, 15, 15R
16.0		Right side airbag sensor (A54/1) Voltage supply		Remove ignition key. Disconnect connector on A54/1. Connect test cables, (22, Figure 4), Ignition key in position "2".	Voltage cycles between 3 V and 7 V	Wiring.

16.6 Airbag (AB)

Model 210 as of M. Y. 1999





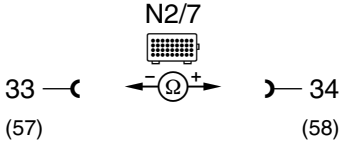


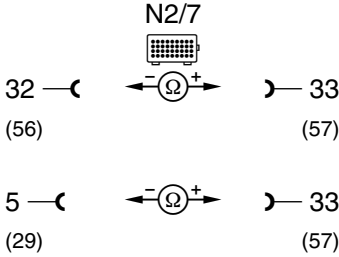

Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/ display	Possible cause/Remedy
16.1		Left side airbag sensor (A54/1) Wiring fault	<p>N2/7 </p>	Remove ignition key. Disconnect connector on A53/1. Disconnect connector on N2/7, Connect , (22, Figure 1).	<1 Ω	Wiring.
16.2	B1867	Left side airbag sensor (A54/1) Short circuit test Γ1- Γ1+	<p>N2/7 </p> <p>5 (29) — Ω — 54 (78) </p>	Remove ignition key. Disconnect connector on A54/1, Disconnect connector on N2/7 using aid.	>20 kΩ >20 kΩ	Wiring, Short circuit after circuit 31, 30, 15, 15R
17.0	B1863	Driver ETR squib (R12/1) HHT actual values		Ignition key in position "2".	V F	⇒ 17.1

16.6 Airbag (AB)

Model 210 as of M. Y. 1999















Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/  display	Possible cause/Remedy
17.1		Driver ETR squib (R12/1) HHT actual values	 <p>R12/1</p>	Remove ignition key. Disconnect connector on R12/1, Connect  , (22, Figure 2). Set resistance to 3 Ω, Ignition key in position "2".	✓ F	R12/1 ⇒ 17.2
17.2		Driver ETR squib (R12/1) Resistance	 <p>N2/7</p>	Remove ignition key. Disconnect connector on N2/7 using aid. Connect  , (22, Figure 1).	2 – 5 Ω	Wiring
18.0		Driver ETR squib (R12/1) Short circuit test Γ1- Γ1+	 <p>N2/7</p>	Remove ignition key. Disconnect connector on N2/7 using aid. Connect  , (22, Figure 1).	>20 kΩ >20 kΩ	Wiring, Short circuit after circuit 31, 30, 15, 15R

16.6 Airbag (AB)

Model 210 as of M. Y. 1999









Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/  display	Possible cause/Remedy
19.0	B1864	Front passenger ETR squib (R12/2) HHT actual values		Ignition key in position "2".	✓ F	⇒ 19.1
19.1		Front passenger ETR squib (R12/2) HHT actual values	1 —  — 2 R12/2 	Remove ignition key. Disconnect connector on R12/2, Connect  , (22, Figure 2). Set resistance to 3 Ω, Ignition key in position "2".	✓ F	R12/2 ⇒ 19.2
19.2		Front passenger ETR squib (R12/2) Resistance	35 —  — 36 (59) N2/7 (60) 	Remove ignition key. Disconnect connector on N2/7 using aid. Connect  , (22, Figure 1).	2 – 5 Ω	Wiring.
20.0	B1864	Front passenger ETR squib (R12/2) Short circuit test Γ1– Γ1+	32 —  — 36 (56) N2/7 (60)  5 —  — 36 (29) (60) 	Remove ignition key. Disconnect connector on N2/7 using aid. Connect  , (22, Figure 1).	>20 kΩ >20 kΩ	Wiring, Short circuit after circuit 31, 30, 15, 15R

16.6 Airbag (AB)

Model 210 as of M. Y. 1999










Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/  display	Possible cause/Remedy
21.0	B1321	Left front seat belt buckle switch (AB/ETR) (S68/3) HHT actual values (only USA)		Ignition key in position "2". Seat belt latch is not latched: Seat belt latch is latched:	✓ F OFF ON	⇒ 21.1
21.1		Left front seat belt buckle switch (AB/ETR) (S68/3) Resistance (only USA)	1 —  — 2 X55/3	Disconnect connector X55/3 Seat belt latch is not latched: Seat belt latch is latched:	80 – 210 Ω 320 – 480 Ω	S68/3 ⇒ 21.2
21.2		Left front seat belt buckle switch (AB/ETR) (S68/3) Short circuit test Γ1– Γ1+ (only USA)	32 —  — 43 (56) N2/7 5 —  — 43 (29) (67)	 not connected. Remove ignition key. Seat belt latch is not latched, Disconnect connector on N2/7 using aid. Connect  , (22, Figure 1).	80 – 210 Ω >20 kΩ	Wiring, Short circuit after circuit 31, 30, 15, 15R




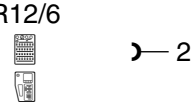

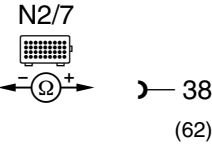

16.6 Airbag (AB)

Model 210 as of M. Y. 1999

Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/  display	Possible cause/Remedy
22.0	B1322	Right front seat belt buckle switch (AB/ETR) (S68/4) HHT actual values (only USA)		Ignition key in position "2". Seat belt latch is not latched: Seat belt latch is latched:	✓ F OFF ON	⇒ 22.1
22.1		Right front seat belt buckle switch (AB/ETR) (S68/4) Resistance (only USA)	1 —  — 2 X55/4	Disconnect connector X55/4 Seat belt latch is not latched: Seat belt latch is latched:	 80 – 210 Ω 320 – 480 Ω	S68/4 ⇒ 22.2
22.2		Right front seat belt buckle switch (AB/ETR) (S68/4) Short circuit test Γ1- Γ1+ (only USA)	32 —  — 45 (56) (69) 5 —  — 45 (29) (69) N2/7 	 not connected. Remove ignition key. Seat belt latch is not latched, Disconnect connector on N2/7 using aid. Connect  , (22, Figure 1).	 80 – 210 Ω >20 kΩ	Wiring, Short circuit after circuit 31, 30, 15, 15R

Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/  display	Possible cause/Remedy
23.0	B1865	LR ETR squib (R12/6) HHT actual values (for rear side airbag only, as of 06/98)		Ignition key in position "2".	✓ F	⇒ 23.1
23.1		LR ETR squib (R12/6) HHT actual values	1 ←  → 2	Remove ignition key. Disconnect connector on R12/6, Connect  , (22, Figure 2). Set resistance to 3 Ω, Ignition key in position "2".	✓ F	R12/6 ⇒ 23.2
23.2		LR ETR squib (R12/6) Resistance	37 ←  → 38 (61) (62)	Remove ignition key. Disconnect connector on N2/7 using aid. Connect  , (22, Figure 1).	2 – 5 Ω	Wiring.



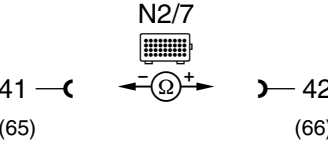

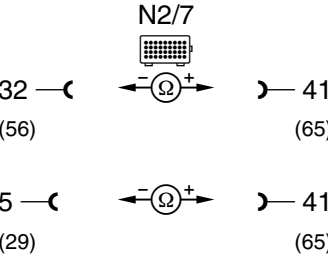


16.6 Airbag (AB)

Model 210 as of M. Y. 1999





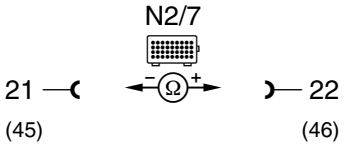


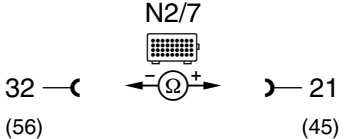
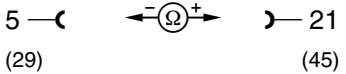



Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/ display	Possible cause/Remedy
24.0	B1865	LR ETR squib (R12/6) Short circuit test Γ1- Γ1+ (for rear side airbag only)	<p style="text-align: center;">N2/7 </p> <p>32 —(—(—) —) 37 (56) (61)</p> <p>5 —(—(—) —) 37 (29) (61)</p>	Remove ignition key. Disconnect connector on N2/7 using aid. Connect , (22, Figure 1).	>20 kΩ >20 kΩ	Wiring, Short circuit after circuit 31, 30, 15, 15R
25.0	B1866	RR ETR squib (R12/7) HHT actual values (for rear side airbag only, as of 06/98)		Ignition key in position "2".	√ F	⇒ 25.1
25.1		RR ETR squib (R12/7) HHT actual values	<p style="text-align: center;">R12/7 </p> <p>1 —(—(—) —) 2</p>	Remove ignition key. Disconnect connector on R12/7, Connect , (22, Figure 2). Set resistance to 3 Ω, Ignition key in position "2".	√ F	R12/7 ⇒ 25.2





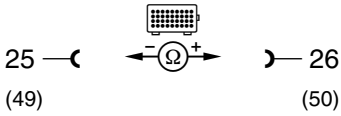

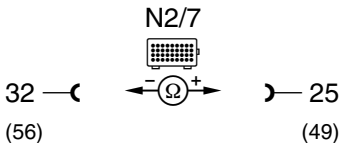
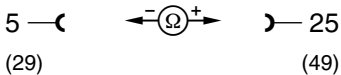

Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/  display	Possible cause/Remedy
25.2		RR ETR squib (R12/7) Resistance		Remove ignition key. Disconnect connector on N2/7 using aid. Connect  , (22, Figure 1).	2 – 5 Ω	Wiring.
26.0	B1866	RR ETR squib (R12/7) Short circuit test Γ1- Γ1+ (for rear side airbag only, asof 06/98)		Remove ignition key. Disconnect connector on N2/7 using aid. Connect  , (22, Figure 1).	>20 kΩ >20 kΩ	Wiring, Short circuit after circuit 31, 30, 15, 15R
27.0	B1868	Left rear side windowbag squib (R12/22) HHT actual values		Ignition key in position "2".	√ F	⇒ 27.1



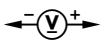
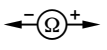
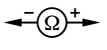

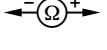

Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/  display	Possible cause/Remedy
27.1		Left rear side windowbag squib (R12/22) HHT actual values	<p>R12/22</p> 	Remove ignition key. Disconnect connector on R12/22, Connect  , (22, Figure 2). Set resistance to 3 Ω, Ignition key in position "2".	✓ F	R12/22 ⇒ 27.2
27.2		Left rear side windowbag squib (R12/22) Resistance	<p>N2/7</p> 	Remove ignition key. Disconnect connector on N2/7 using aid. Connect  , (22, Figure 1).	2 – 5 Ω	Wiring.
28.0		Left rear side windowbag squib (R12/22) Short circuit test Γ1- Γ1+	<p>N2/7</p>  	Remove ignition key. Disconnect connector on N2/7 using aid. Connect  , (22, Figure 1).	>20 kΩ >20 kΩ	Wiring, Short circuit after circuit 31, 30, 15, 15R
29.0		Right rear side windowbag squib (R12/23) HHT actual values		Ignition key in position "2".	✓ F	⇒ 29.1

Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/  display	Possible cause/Remedy
29.1		Right rear side windowbag squib (R12/23) HHT actual values	<p style="text-align: center;">R12/23</p> 	Remove ignition key. Disconnect connector on R12/23, Connect  , (22, Figure 2). Set resistance to 3 Ω, Ignition key in position "2".	✓ F	R12/23 ⇒ 29.2
29.2		Right rear side windowbag squib (R12/23) Resistance	<p style="text-align: center;">N2/7</p> 	Remove ignition key. Disconnect connector on N2/7 using aid. Connect  , (22, Figure 1).	2 – 5 Ω	Wiring.
30.0	81872 Γ1- Γ1+	Right rear side windowbag squib (R12/23) Short circuit test	<p style="text-align: center;">N2/7</p>  	Remove ignition key. Disconnect connector on N2/7 using aid. Connect  , (22, Figure 1).	 >20 kΩ >20 kΩ	Wiring, Short circuit after circuit 31, 30, 15, 15R




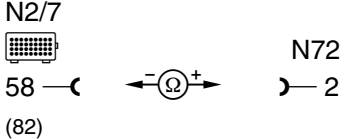

Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/  display	Possible cause/Remedy
31.0	B1315	Front passenger seat occupied recognition with automatic child seat recognition (ACSR) (B48) Voltage supply	X55/4 4 —  — 1	Disconnect connector on X55/4. Ignition key in position "1".	11 – 14 V	Wiring. If values are OK: ⇒ 31.1
31.1		Front passenger seat occupied recognition with automatic child seat recognition (ACSR) (B48) Short circuit test Γ1- Γ1+	X55/4 3 —  — 32 (56) 3 —  — 5 (29)	Remove ignition key. Disconnect connector on X55/4 Disconnect connector on N2/7 using aid. Connect  , (22, Figure 1).	>20 kΩ >20 kΩ	Short circuit to positive, Short circuit to ground. If values are OK: ⇒ 31.2
31.2		Front passenger seat occupied recognition with automatic child seat recognition (ACSR) (B48) Data line Data Line fault/Communication	X55/4 3 —  — 46 (70)	Remove ignition key. Disconnect connector on X55/4 Disconnect connector on N2/7 using aid. Connect  , (22, Figure 1).	<1 Ω	Wiring. B48

16.6 Airbag (AB)

Model 210 as of M. Y. 1999

Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/  display	Possible cause/Remedy
32.0	B1315	Non-USA vehicles only, continue to next test step.				
32.1	B1315	<i>Non-USA vehicles only, continue to next test step.</i>				
32.2	B1315	<i>Non-USA vehicles only, continue to next test step.</i>				
33.0	B1878	Automatic child seat recognition warning lamp (N72e1) HHT actual values		Position the version coded and approved MB child seat "Babysafe" onto the front passenger seat facing forward/rearward. Ignition key in position "2". Wait approx. 15 seconds.	N72e1 illuminates. ✓ F	N72e1 ⇒ 33.1
33.1		Automatic child seat recognition warning lamp (N72e1) Continuity Check -//-	<p>N2/7  58 — Ω — 2 (82)</p>	Remove ignition key. Disconnect connector on lower control field control module (N72). Disconnect connector on N2/7 using aid. Connect  , (22, Figure 1).	<1 Ω	Line from N2/7 to N72 ⇒ 33.2



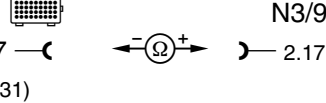


Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/ display	Possible cause/Remedy
33.2		Automatic child seat recognition warning lamp (N72e1) Short circuit test Γ1- Γ1+	<div style="text-align: center;"> N2/7 </div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> 32 —┘ (56) </div> <div style="text-align: center;"> </div> <div style="text-align: center;"> ┐— 58 (82) </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="text-align: center;"> 5 —┘ (29) </div> <div style="text-align: center;"> </div> <div style="text-align: center;"> ┐— 58 (82) </div> </div>	Remove ignition key. Disconnect connector on lower control field control module (N72). Disconnect connector on N2/7 using aid. Connect , (22, Figure 1).	 >20 kΩ >20 kΩ	Short circuit after circuit 31, 30, 15, 15R
34.0		Diagnostic line (N2/7) Continuity Check	N2/7 8 —┘ (32)	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> ┐— X11/4 30 </div> <div style="text-align: center;"> </div> </div>	<1 Ω	Wiring.

Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/ display	Possible cause/Remedy
35.0	B1B75	Crashoutput (digital) Restraint system control module (N2/7) to Emergency call system control module (TELE AID) (A35/8) Continuity Check As of 07/99	N2/7 	Remove ignition key. Disconnect connector at A35/8. Disconnect connector on N2/7 using aid. Connect , (22, Figure 1).	<1 Ω	Wiring, Readout DTC memory in A35/8 see ⇒ 35.1
35.1	B1B75	Crashoutput (digital) Restraint system control module (N2/7) to Emergency call system control module (TELE AID) (A35/8) Short circuit check Γ1- Γ1+	N2/7 	Remove ignition key. Disconnect connector at A35/8. Disconnect connector at N2/7.	>20 kΩ >20 kΩ	Wiring, Short circuit after circuit 31, 30, 15, 15R

Electrical Test Program - Test (driver/passenger-side airbag/side airbag/windowbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/  display	Possible cause/Remedy
36.0	B1B76	<p>Crashoutput (digital) Restraint system control module (N2/7) to Injection system control module (N3) Continuity Check</p> <p>Diesel</p> <p>Gasoline</p>	<p>N2/7 </p> <p>N3/10 </p>	<p>Remove ignition key. Disconnect connector on N2/7 using aid. Connect , (22, Figure 1).</p>	<1 Ω	Wiring.