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

⇒		Test scope	Test connection	Test condition	Nominal value/ display	Possible cause/Remedy
1.0	B1064	Circuit 15R voltage supply Low /over voltage **HHT actual value**		Ignition key in position “2“.	√ F	⇒ 1.1
1.1		SRS control module (N2/2) **Voltage supply**	N2/2 6 — (– V +) — 5	Remove ignition key. Disconnect connector on N2/2. Connect (22, Figure 1). Ignition key in position “1“.	11 – 14 V	Wiring. If values are OK: N2/2
2.0		SRS control module (N2/2) **Diagnostic output**	N2/2 6 — (– Ω +) — x11/4 13	Remove ignition key. Disconnect connector on N2/2. Connect (22, Figure 1).	<1 Ω	Wiring
3.0	B1476	SRS MIL (A1e15) **HHT actual value**		Ignition key in position “2“. SRS MIL illuminates.	A1e15 goes out after approx. 4 – 20 seconds. √ F	Wiring, SRS MIL short circuit to positive, SRS MIL short circuit to grnd.

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

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/ display	Possible cause/Remedy
4.0	B1522	Driver airbag squib (R12/3) **HHT actual value**		Ignition key in position “2“.	√ F	⇒ 4.1
4.1		Driver airbag squib (R12/3) **HHT actual value**	R12/3 1 — 2	Remove ignition key. Remove airbag unit. Disconnect connector on R12/3. Connect (22, Figure 2). Set resistance of 2 Ω. Ignition key in position “2“.	√ F	Squib, ⇒ 4.2
4.2		Driver airbag squib (R12/3) **HHT actual value**	A45x1 3 — 4	Remove ignition key. Disconnect connector on horn/airbag clock spring contact (A45). Connect (22, Figure 2). Set resistance of 2 Ω. Ignition key in position “2“.	√ F	Check A45 for continuity, ⇒ 4.3
4.3		Driver airbag squib (R12/3) **Resistance**	N2/2 11 — 10	Remove ignition key. Disconnect connector on N2/2 Connect (22, Figure 1).	2 – 5 Ω	Wiring.

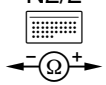
Electrical Test Program - Test (driver/passenger-side airbag/side airbag)

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/ display	Possible cause/Remedy
5.0	B1523	Driver airbag squib (R12/3) **Short circuit test** ⌐1– ⌐1+	N2/2 6 — Ω — 10 5 — Ω — 10	Remove ignition key. Disconnect N2/2 connector. Connect (22, Figure 1).	 >20 kΩ >20 kΩ	Wiring, Short to circuit 31, 30, 15, 15R.
6.0	B1525	***Not applicable to U.S.A. version vehicles***				
7.0	B1524	Front passenger AB squib 1 (R12/4) **HHT actual value**		Ignition key in position “2“.	√ F	 ⇒ 7.1
7.1		Front passenger AB squib 1 (R12/4) **HHT actual value**	R12/4 1 — 2	Remove ignition key. Remove glovebox insert. Disconnect right front passenger AB squib 1 (R12/4) connector. Connect (22, Figure 2). Set resistance of 2 Ω. Ignition key in position “2“.	√ F	Squib. ⇒ 7.2

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

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/ display	Possible cause/Remedy
7.2		Front passenger AB squib 1 (R12/4) **Resistance**	N2/2 14 — Ω — 13	Remove ignition key. Disconnect N2/2 connector. Connect (22, Figure 1).	2 – 5 Ω	Wiring.
8.0	B1525	Driver airbag squib (R12/3) **Short circuit test** ⌐1– ⌐1+	N2/2 6 — Ω — 13 5 — Ω — 13	Remove ignition key. Disconnect N2/2 connector. Connect (22, Figure 1).	 >20 kΩ >20 kΩ	Wiring, Short to circuit 31, 30, 15, 15R.
9.0	B1523	***Not applicable to U.S.A. version vehicles***				
10.0	B1530	Left side airbag squib 1 (R12/9) **HHT actual value**		Ignition key in position “2“.	√ F	 ⇒ 10.1

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

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/ display	Possible cause/Remedy
10.1		Left side airbag squib 1 (R12/9) **HHT actual value**	X35/1 E —()— D	Remove ignition key. Disconnect left front door separation point (X35/1). Disconnect right front passenger AB squib 1 (R12/4) connector. Connect (22, Figure 2). Set resistance of 2 Ω. Ignition key in position “2“.	√ F	Wiring, Squib, ⇒ 10.2
10.2		Left side airbag squib 1 (R12/9) **HHT actual value**	R12/9 1 —()— 2	Remove ignition key. Remove interior door trim panel. Connect (22, Figure 2). Set resistance of 2 Ω. Ignition key in position “2“.	√ F	Squib, ⇒ 10.3
10.3		Left side airbag squib 1 (R12/9) **Resistance**	N2/2 17 —()— 16	Remove ignition key. Disconnect N2/2 connector. Connect (22, Figure 1).	2 – 5 Ω	Wiring.

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

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/ display	Possible cause/Remedy
11.0	B1531	Left side airbag squib 1 (R12/9) **Short circuit test** Γ1– Γ1+	N2/2 6 — Ω — 16 5 — Ω — 16	Remove ignition key. Disconnect N2/2 connector. Connect (22, Figure 1).	 >20 kΩ >20 kΩ	Wiring, Short to circuit 31, 30, 15, 15R.
12.0	B1532	Right side airbag squib 1 (R12/10) **HHT actual value**		Ignition key in position “2“.	√ F	 ⇒ 12.1
12.1		Right side airbag squib 1 (R12/10) **HHT actual value**	X35/2 E — D	Remove ignition key. Disconnect right front door separation point (X35/2). Connect (22, Figure 2). Set resistance of 2 Ω. Ignition key in position “2“.	√ F	Wiring, Squib, ⇒ 12.2
12.2		Right side airbag squib 1 (R12/10) **HHT actual value**	R12/10 1 — 2	Remove ignition key. Remove interior door trim panel. Connect (22, Figure 2). Set resistance of 2 Ω. Ignition key in position “2“.	√ F	Squib, ⇒ 12.3

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

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/ display	Possible cause/Remedy
12.3		Right side airbag squib 1 (R12/10) **Resistance**	N2/2 19 — Ω — 18	Remove ignition key. Disconnect N2/2 connector. Connect (22, Figure 1).	2 – 5 Ω	Wiring.
13.0	B1533	Right side airbag squib 1 (R12/10) **Short circuit test** Γ1– Γ1+	N2/2 6 — Ω — 18 5 — Ω — 18	Remove ignition key. Disconnect N2/2 connector. Connect (22, Figure 1).	>20 kΩ >20 kΩ	Wiring, Short to circuit 31, 30, 15, 15R.
14.0	B1526	Driver ETR squib (R12/1) **HHT actual value**		Ignition key in position “2“.	√ F	 ⇒ 14.1
14.1		Driver ETR squib (R12/1) **HHT actual value**	R12/1 1 — 2	Remove ignition key. Disconnect connector on R12/1 Connect (22, Figure 2). Set resistance of 2 Ω. Ignition key in position “2“.	√ F	Squib, ⇒ 14.2

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

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/ display	Possible cause/Remedy
14.2		Driver ETR squib (R12/1) **Resistance**	N2/2 2 — Ω — 1	Remove ignition key. Disconnect N2/2 connector. Connect (22, Figure 1).	2 – 5 Ω	Wiring.
15.0	B1527	Driver ETR squib (R12/1) **Short circuit test** ⌜1– ⌜1+	N2/2 6 — Ω — 1 5 — Ω — 1	Remove ignition key. Disconnect N2/2 connector. Connect (22, Figure 1).	 >20 kΩ >20 kΩ	Wiring, Short to circuit 31, 30, 15, 15R.
16.0	B1528	Front passenger ETR squib (R12/2) **HHT actual value**		Ignition key in position “2“.	√ F	 ⇒ 16.1
16.1		Front passenger ETR squib (R12/2) **HHT actual value**	R12/2 1 — 2	Remove ignition key. Disconnect connector on R12/2 Connect (22, Figure 2). Set resistance of 2 Ω. Ignition key in position “2“.	√ F	Squib, ⇒ 16.2

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

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/ display	Possible cause/Remedy
16.2		Front passenger ETR squib (R12/2) **Resistance**	N2/2 4 — Ω — 3	Remove ignition key. Disconnect N2/2 connector. Connect (22, Figure 1).	2 – 5 Ω	Wiring.
17.0	B1529	Front passenger ETR squib (R12/2) **Short circuit test** Γ1– Γ1+	N2/2 6 — Ω — 3 5 — Ω — 3	Remove ignition key. Disconnect N2/2 connector. Connect (22, Figure 1).	 >20 kΩ >20 kΩ	Wiring, Short to circuit 31, 30, 15, 15R.
18.0	B1150	Left front seat belt buckle/belt lock switch (S68/7) **HHT actual value**		Ignition key in position “2“. Seat belt buckle **not** latched: Seat belt buckle **latched**:	√ F OFF ON	 ⇒ 18.1
18.1		Left front seat belt buckle/belt lock switch (S68/7) **Resistance**	S68/7x1 2 — Ω — A	Disconnect connector. Seat belt buckle **not** latched: Seat belt buckle **latched**:	 80 – 210 Ω 320 – 480 Ω	S68/7 ⇒ 18.2

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

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/ display	Possible cause/Remedy
18.2		Left front seat belt buckle/belt lock switch (S68/7) **Short circuit test** Γ1– Γ1+	N2/2 6 — Ω — 12 5 — Ω — 12	**not** connected. Remove ignition key. Left front seat belt buckle/belt lock switch **not latched.** Disconnect N2/2 connector. Connect (22, Figure 1).	 80 – 210 Ω >20 kΩ	Wiring, Short to circuit 31, 30, 15, 15R.
19.0	B1151	Right front seat belt buckle/belt lock switch (S68/8) **HHT actual value**		Ignition key in position “2“. Seat belt buckle **not** latched: Seat belt buckle **latched**:	√ F OFF ON	 ⇒ 19.1
19.1		Right front seat belt buckle/belt lock switch (S68/8) **Resistance**	S68/8x1 B — Ω — A	Disconnect connector. Seat belt buckle **not** latched: Seat belt buckle **latched**:	 80 – 210 Ω 320 – 480 Ω	S68/8 ⇒ 19.2

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

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/ display	Possible cause/Remedy
19.2		Right front seat belt buckle/belt lock switch (S68/8) **Short circuit test** Γ1– Γ1+	N2/2 6 — Ω — 8 5 — Ω — 8	**not** connected. Remove ignition key. Right front seat belt buckle/belt lock switch **not latched.** Disconnect N2/2 connector. Connect (22, Figure 1).	 80 – 210 Ω >20 kΩ	Wiring, Short to circuit 31, 30, 15, 15R.
20.0	B1083	SRS control module (N2/2) **Left/right hand steering coding** **Model 163 as of 3/98, up to 12/99**	N2/2 6 — Ω — 37 (⊥)	Remove ignition key. Disconnect N2/2 connector. Connect (22, Figure 1). Left hand steering:	 >20 kΩ	Wiring.
21.0	B1152	Seat occupied recognition (SOR) **HHT actual value** **Model 163 as of 3/98, up to 12/99**		Ignition key in position “2“. Person seated in front passenger seat. Front passenger seat **not** occupied.	 Frt. Pass. seat occupied. Frt. Pass. seat not occupied.	Front passenger seat occupied recognition with automatic child seat recognition (ASCR) (B48)

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

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/ display	Possible cause/Remedy
22.0	B1153	Automatic child seat recognition (ACSR) **HHT actual value** **Model 163 as of 3/98, up to 12/99**		Ignition key in position “2“. Position MB child seat "Babysafe" in forward facing position, then wait approx. 15 seconds. Position MB child seat "Babysafe" in backward facing position, then wait approx. 15 seconds. i SOR continues to be active regardless if MB Child seat "Babysafe" is not used or recognized.	"Babysafe“ seat recognd. Position facing forward. "Babysafe“ seat recognd. Position facing backward.	MB child seat "Babysafe" not positioned in front passenger seat correctly. Child seat not approved or not coded in SRS control module: 31 Fault in data line from front passenger seat occupied recognition with automatic child seat recognition (ASCR) (B48) to SRS control module (N2/2). 23 ⇒ 24.0, B48

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

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/ display	Possible cause/Remedy
23.0	B11/53	AIRBAG OFF indicator lamp (A1e56) **HHT actual value** **Model 163 as of 3/98, up to 12/99**		Position **approved** and **version coded** MB child seat "Babysafe" in forward (or rearward) facing position, Ignition key in position “2“. Then wait approx. 15 seconds.	AIRBAG OFF indicator lamp (A1e56) illuminates. √ F	Wiring, Indicator lamp: Short to positve, Short to ground.
24.0		Front passenger seat occupied recognition with automatic child seat recogntion (ACSR) (B48) **Voltage supply** **Model 163 as of 3/98, up to 12/99**	B48x1 4 — (— (V) —) — 1	Disconnect connector. Ignition key in position "1".	11 – 14 V	Wiring. If values are OK: 23 ⇒ 24.1

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

⇒		Test scope/ Actual value no. and text	Test connection	Test condition	Nominal value/ display	Possible cause/Remedy
24.1	B11/53	Front passenger seat occupied recognition with automatic child seat recogntion (ACSR) (B48) **Short circuit test** Γ1+ Γ1–	B48x1 — N2/2 3 — 5 3 — 6	Remove igntion key. Disconnect B48x1 connector. Disconnect N2/2 connector. Connect (22, Figure 1).	 >20 kΩ >20 kΩ	Short circuit to positive, Short circuit to ground. If values are OK: 23 ⇒ 24.2
24.2	B11/53	Front passenger seat occupied recognition with automatic child seat recogntion (ACSR) (B48) **Data line** –//–	B48x1 — N2/2 3 — 15	Remove igntion key. Disconnect B48x1 connector. Disconnect N2/2 connector. Connect (22, Figure 1).	 < 1 Ω	Wiring, B48