

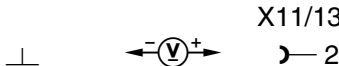




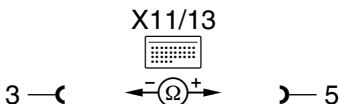



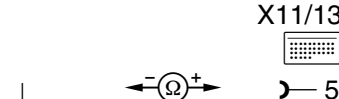
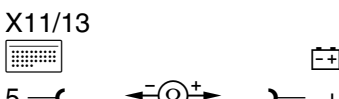
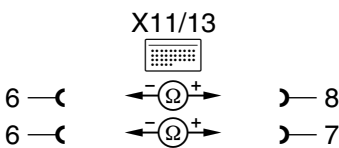
16.1 Airbag (AB)

Models 124, 129, 201

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

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
1.0		Voltage supply Circuit 15R		Ignition: OFF Disconnect and cover battery negative terminal. Disconnect SRS test connection (X11/13). Ignition key in position "1".	11–14 V	Wiring.
2.0		SRS control module (N2/2)		Ignition: ON Erase DTC 	DTC  erased.	SRS control module (N2/2), (SMS, Job No. 91-620).
3.0		Driver airbag squib (R12/3)		Ignition: OFF Disconnect and cover battery negative terminal. Disconnect SRS test connection (X11/13). Connect test cable according to connection diagram. Turn steering wheel from full right to full left stop.	2–5 Ω	Wiring, < 2 Ω short circuit, > 5 Ω open circuit, Slip rings, 4-part carbon contact for slip rings, Driver airbag (SMS, Job No. 91-660) ⇒ 3.1


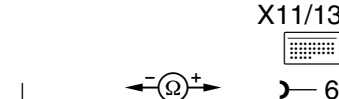
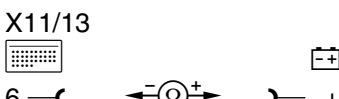
Electrical Test Program - Test (driver-side or driver/passenger-side airbag)

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
3.1	3	Isolation resistance	 		<p>> 20 kΩ</p> <p>> 20 kΩ</p>	<p>Wiring, Short circuit to circuit 31.</p> <p>Wiring, Short circuit to circuits 15/15R/30, If nominal values are obtained but DTC 3 can not be erased, 32 ⇒ 1.0, 2.0 23 ⇒ 9.0</p>
4.0	4	Front passenger airbag squib 1 (R12/4), squib 2 (R12/5)		<p>Ignition: OFF</p> <p>Disconnect and cover battery negative terminal.</p> <p>Disconnect SRS test connection (X11/13).</p> <p>Connect test cable according to connection diagram.</p>	<p>2–5 Ω</p>	<p>< 2 Ω short circuit, > 5 Ω open circuit, Passenger side airbag, ⇒ 4.1</p>

16.1 Airbag (AB)

Models 124, 129, 201


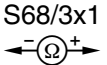
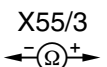
Electrical Test Program - Test (driver-side or driver/passenger-side airbag)

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
4.1	4	Isolation resistance	 		<p>> 20 kΩ</p> <p>> 20 kΩ</p>	<p>Wiring, Short circuit to circuit 31.</p> <p>Wiring, Short circuit to circuits 15/15R/30, If nominal values are obtained but DTC 4 can not be erased, 32 ⇒ 1.0, 2.0 23 ⇒ 10.0</p>

16.1 Airbag (AB)

Models 124, 129, 201



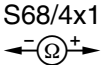
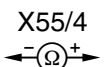
Electrical Test Program - Test (driver-side or driver/passenger-side airbag)

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
5.0	5	Left front seat belt buckle switch (S68/3)	<div>  </div> <div>  </div>	<p>Ignition: OFF</p> <p>Models 124, 201 Disconnect switch connector (S68/3x1). Seat belt tongue in buckle: Not latched</p> <p>Latched</p> <p>Model 129 Disconnect left seat contact strip (X55/3). Seat belt tongue in buckle: Not latched</p> <p>Latched</p>	<p>400 $\Omega \pm 10 \Omega$</p> <p>100 $\Omega \pm 10 \Omega$</p> <p>400 $\Omega \pm 10 \Omega$</p> <p>100 $\Omega \pm 10 \Omega$</p>	Wiring, open circuit, Short circuit or shorted to circuit 31, Ground (W26), Seat belt buckle (SMS, Job No. 91-502).

16.1 Airbag (AB)

Models 124, 129, 201


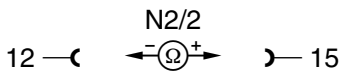
Electrical Test Program - Test (driver-side or driver/passenger-side airbag)

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
6.0		Right front seat belt buckle switch (S68/4)	<div>  </div> <div>  </div>	<p>Ignition: OFF</p> <p>Models 124, 201 Disconnect switch connector (S68/4x1). Seat belt tongue in buckle: Not latched</p> <p>Latched</p> <p>Model 129 Disconnect left seat contact strip (X55/4). Seat belt tongue in buckle: Not latched</p> <p>Latched</p>	<p>400 $\Omega \pm 10 \Omega$</p> <p>100 $\Omega \pm 10 \Omega$</p> <p>400 $\Omega \pm 10 \Omega$</p> <p>100 $\Omega \pm 10 \Omega$</p>	Wiring, open circuit, Short circuit or shorted to circuit 31, Ground (W26), Seat belt buckle (SMS, Job No. 91-502).




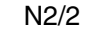







16.1 Airbag (AB)

Models 124, 129, 201













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

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
7.0	7	Front passenger airbag Resistance		Ignition: OFF Disconnect and cover battery negative terminal. Disconnect SRS test connection (X11/13). Disconnect control module (N2/2) connector.	100 Ω	Wiring, Ground (W26), Resistance in connector to control module (N2/2).
8.0	9	SRS MIL (A1e15)		Ignition key in position "1"	SRS MIL (A1e15) comes on and then goes out after approx. 4 seconds	Wiring, SRS MIL (A1e15), Intermittent short circuit to circuit 31 (X11/4 - A1e15), SRS voltage supply connector (X28/2) not connected, Time limit for DTC readout/erase exceeded.

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

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
9.0	3	Wiring	<p>X11/13 N2/2</p> <p>5 —  — 2</p> <p>3 —  — 6</p> <p>2 —  — 6</p>	<p>Ignition: OFF</p> <p>Disconnect and cover battery negative terminal.</p> <p>Disconnect SRS test connection (X11/13).</p> <p>Disconnect control module (N2/2).</p>	<p>< 1 Ω</p> <p>> 20 kΩ</p>	<p>Wiring.</p> <p>Short circuit, ⇒ 9.1</p>
9.1	3	Isolation resistance	<p> X11/13</p> <p> —  — 5</p> <p> —  — 3</p> <p>X11/13 </p> <p>5 —  — +</p> <p>3 —  — +</p>	<p>Turn ignition key to position “1” and “2”</p>	<p>> 20 kΩ</p> <p>> 20 kΩ</p>	<p>Short to circuit 31</p> <p>Short to circuits 15/15R/30</p>

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

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
10.0	4	Wiring	<p>X11/13 N2/2</p> <p>8 —  — 13</p> <p>7 —  — 14</p> <p>X11/13</p> <p>6 —  — 7</p> <p>6 —  — 8</p> <p>6 —  — 8</p>	<p>Ignition: OFF</p> <p>Disconnect and cover battery negative terminal.</p> <p>Disconnect SRS test connection (X11/13).</p> <p>Disconnect control module (N2/2).</p>	<p>< 1 Ω</p> <p>> 20 kΩ</p>	<p>Wiring.</p> <p>Short circuit, ⇒ 10.1</p>
10.1	4	Isolation resistance	<p>X11/13</p> <p> — 8</p> <p> — 7</p> <p> — 6</p> <p>X11/13</p> <p> — +</p> <p> — +</p> <p> — +</p>		<p>> 20 kΩ</p> <p>> 20 kΩ</p>	<p>Short to circuit 31</p> <p>Short to circuits 15/15R/30</p>

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

Electrical Components in Passenger Compartment

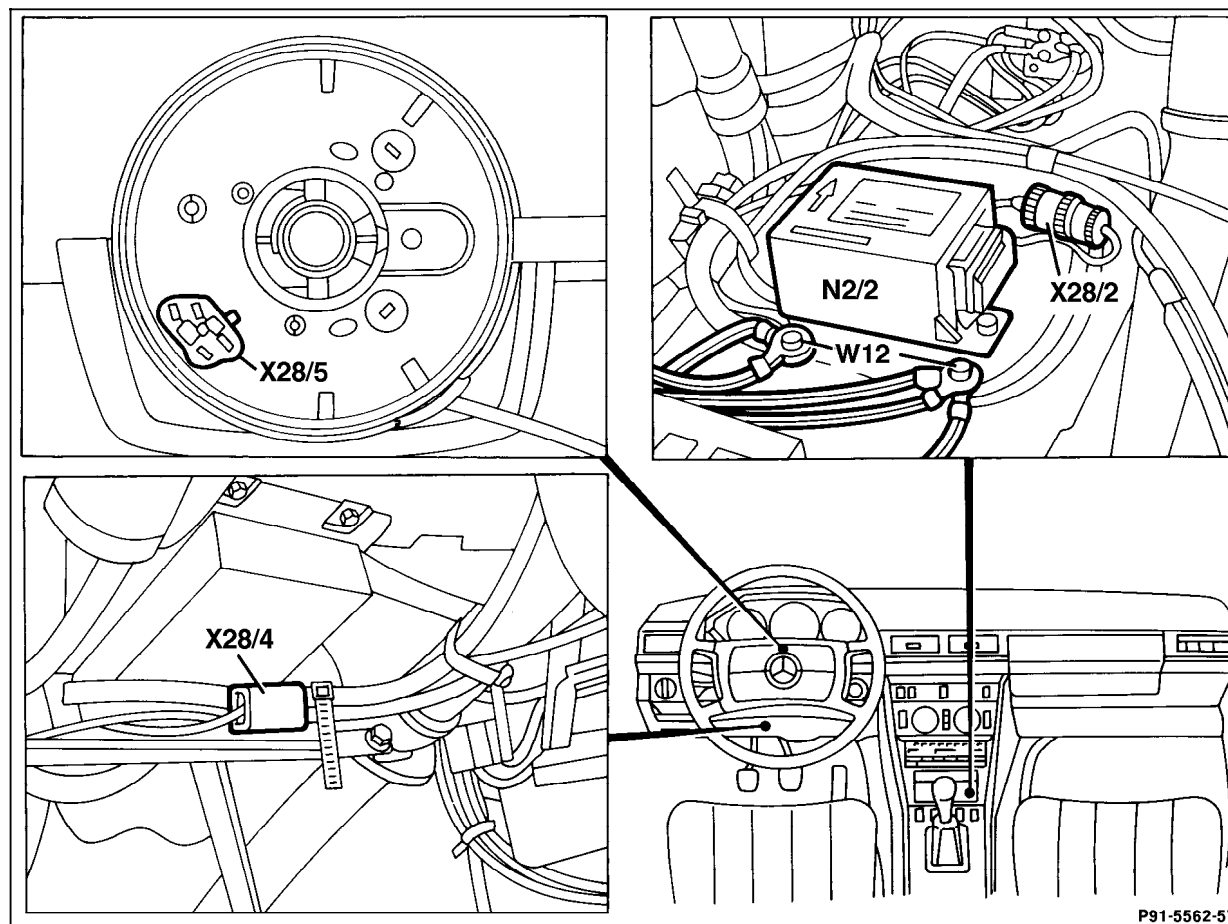


Figure 1

- X28/2 SRS voltage supply connector
- X28/4 Driver airbag squib connector
- X28/5 Airbag squib slip ring

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

Electrical Components in Passenger Compartment

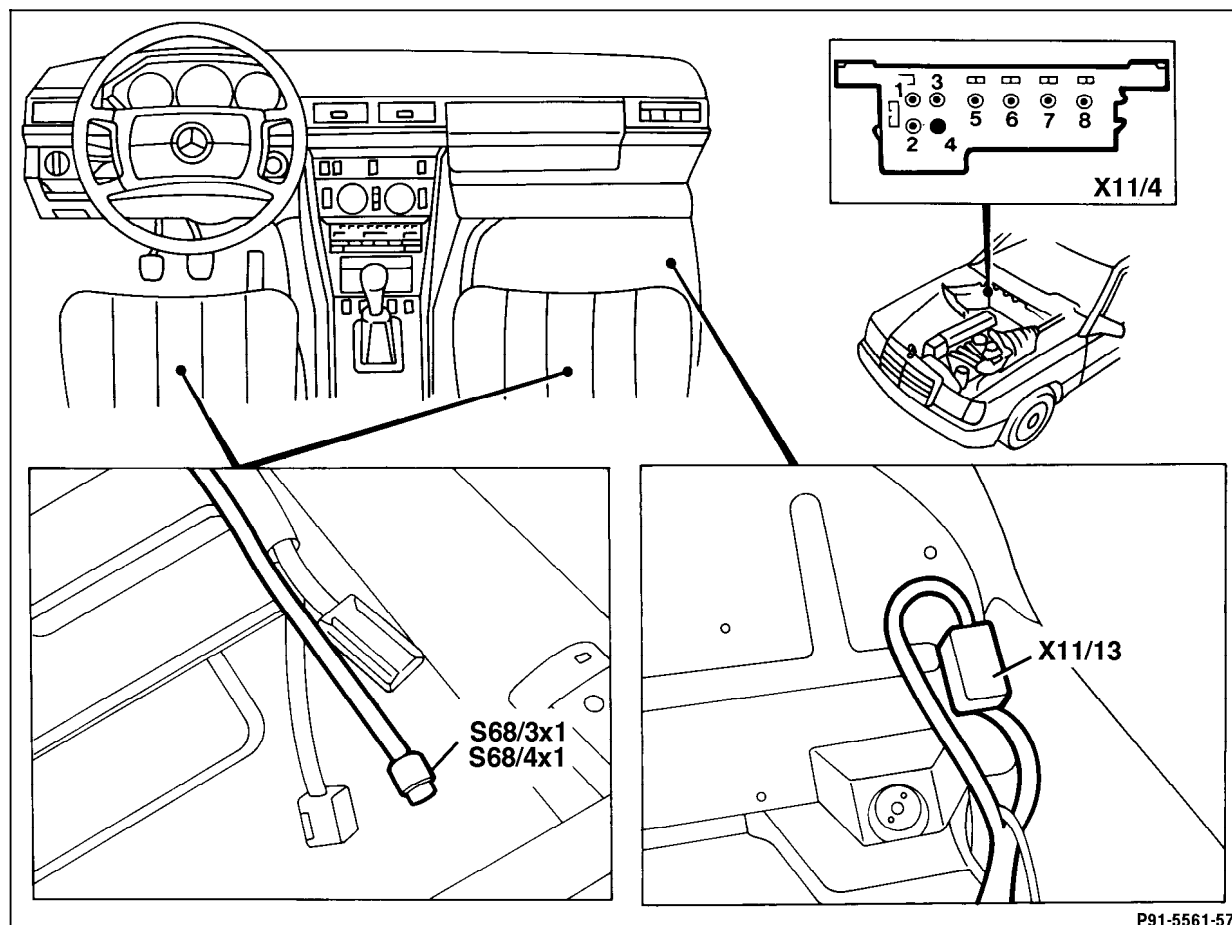


Figure 2

S68/3x1 Left front seat belt buckle switch connector
 S68/4x1 Right front seat belt buckle switch connector
 X11/4 Data link connector
 X11/13 ETR test connection

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P91-5561-57

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

Electrical Components in Passenger Compartment

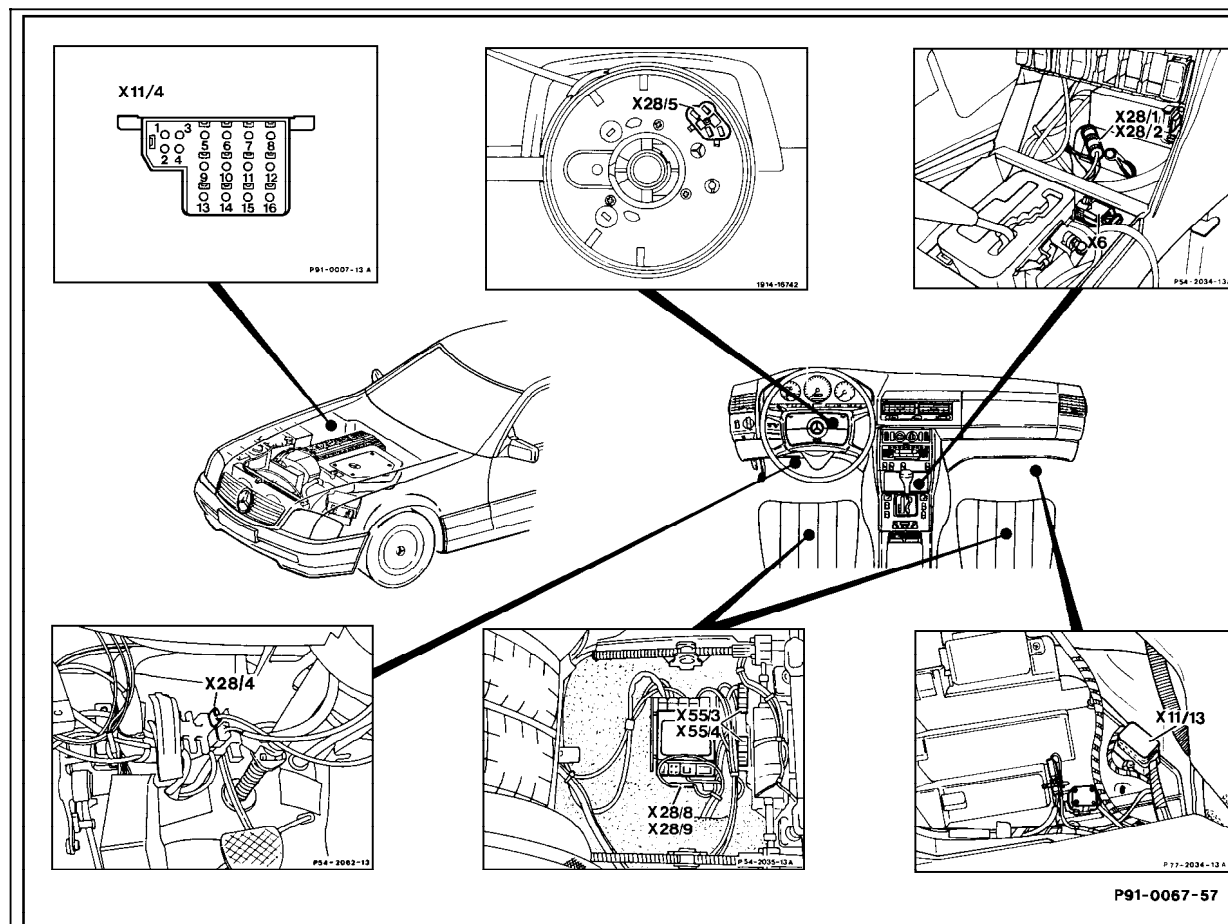


Figure 3

- X11/4 Data link connector (DTC readout)
- X11/13 ETR test connection
- X28/1 ETR voltage supply connector
- X28/2 SRS voltage supply connector
- X28/4 Driver airbag squib connector
- X28/5 Airbag squib slip ring
- X28/8 ETR connector (left seat plug connection)
- X28/9 ETR connector (right seat plug connection)
- X55/3 Left seat contact strip
- X55/4 Right seat contact strip

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