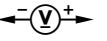
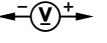
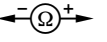


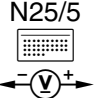
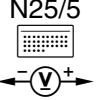

Electrical Test Program - Test

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 1.0	Front HS control module (N25/5) Voltage supply Circuit 30 Circuit 15zx	<p>N25/5 9 —(V)— 1 N25/5 9 —(V)— 3</p>	Ignition: OFF Ignition: ON	11 – 14 V 11 – 14 V	Wiring
⇒ 2.0	Left front seat heater switch (S51/1) Voltage supply	<p>N25/5 9 —(V)— 5 9 —(V)— 13</p>	Ignition: ON S51/1 Stage I held in depressed position S51/1 Stage II held in depressed position	11 – 14 V 0 – 1 V 0 – 1 V	⇒ 2.1, Front HS control module (N25/5).
⇒ 2.1	Left front seat heater switch (S51/1) Resistance	<p>N25/5 9 —(Ω)— 5 9 —(V)— 13</p>	Ignition: OFF Disconnect test cable from N25/5. S51/1 Stage I held in depressed position S51/1 Stage II held in depressed position	>20 kΩ 0 – 2 Ω 0 – 2 Ω	Wiring, Left front seat heater switch (S51/1).

Electrical Test Program - Test

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 3.0	Left front seat cushion heater element (R13/1) and left backrest heater element (R13/2) Voltage supply	<p>N25/5 </p> <p>9 —(-)—(+)— 8</p> <p>19 —(-)—(+)— 8</p> <p>N25/5 </p> <p>9 —(-)—(+)— 8</p> <p>9 —(-)—(+)— 19</p>	<p>Ignition: ON Left front seat heater switch (S51/1) in stage II</p> <p>Left front seat heater switch (S51/1) in stage I</p>	<p>0 – 1 V</p> <p>9 – 14 V</p> <p>9 – 14 V</p> <p>5 – 7 V</p> <p>9 – 14 V</p>	<p>⇒ 3.1, Front HS control module (N25/5).</p>
⇒ 3.1	Resistance	<p>N25/5 </p> <p>19 —(-)—(+)— 8</p> <p>8 —(-)—(+)— 9</p>	<p>Ignition: OFF Disconnect test cable from N25/5.</p> <p>R13/2</p> <p>R13/1</p>	<p>3.0 – 4.0 Ω</p> <p>3.0 – 4.0 Ω</p>	<p>Wiring, Left front seat cushion heater element (R13/1), Left backrest heater element (R13/2).</p>

Electrical Test Program - Test

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 4.0	Right front seat cushion heater element (R13/3) and right backrest heater element (R13/4) Voltage supply	<p>N25/5  9 —(—(←(V)→ —(—()— 2</p> <p>4 —(←(V)→ —(—()— 2</p> <p>N25/5  9 —(←(V)→ —(—()— 2</p> <p>9 —(←(V)→ —(—()— 4</p>	Ignition: ON Right front seat heater switch (S51/2) in stage II Right front seat heater switch (S51/2) in stage I	0 – 1 V 9 – 14 V 9 – 14 V 5 – 7 V 9 – 14 V	⇒ 4.1, Front HS control module (N25/5).
⇒ 4.1	Resistance	<p>N25/5  2 —(←(Ω)→ —(—()— 4</p> <p>9 —(←(Ω)→ —(—()— 2</p>	Ignition: OFF Disconnect test cable from N25/5. R13/4 R13/3	3.0 – 4.0 Ω 3.0 – 4.0 Ω	Wiring, Right front seat cushion heater element (R13/3), Right backrest heater element (R13/4).

Electrical Test Program - Test

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 5.0	Left front seat heater switch (S51/1), indicator lamps Voltage supply	<p>N25/5</p> <p>9 —(←(V)→)— 12</p> <p>9 —(←(V)→)— 20</p>	<p>Ignition: ON</p> <p>S51/1 Stage I turned on</p> <p>S51/1 Stage II turned on</p> <p>S51/1 Stage I turned on</p> <p>S51/1 Stage II turned on</p>	<p>0 – 1 V</p> <p>8 – 13 V</p> <p>8 – 13 V</p> <p>0 – 1 V</p> <p>8 – 13 V</p>	<p>Wiring,</p> <p>Left front seat heater switch (S51/1),</p> <p>Front HS control module (N25/5).</p>
⇒ 6.0	Left front seat heater switch (S51/1), illumination Voltage supply	<p>S51/1</p> <p>6 —(←(V)→)— 5</p>	<p>Disconnect plug on S51/1</p> <p>Turn on parking lamps</p>	<p>11 – 14 V</p>	<p>Wiring.</p>
⇒ 7.0	Right front seat heater switch (S51/2) Voltage supply	<p>N25/5</p> <p>9 —(←(V)→)— 17</p> <p>9 —(←(V)→)— 18</p>	<p>Ignition: ON</p> <p>S51/2 Stage I hold depressed</p> <p>S51/2 Stage II hold depressed</p>	<p>9 – 14 V</p> <p>0 – 1 V</p> <p>0 – 1 V</p>	<p>⇒ 7.1,</p> <p>Front HS control module (N25/5).</p>

Electrical Test Program - Test

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 7.1	Right front seat heater switch (S51/2) Resistance	<p>N25/5</p> <p>9 — Ω — 17</p> <p>9 — Ω — 18</p>	Ignition: OFF Disconnect test cable from N25/5. S51/2 Stage I hold depressed S51/2 Stage II hold depressed	>20 kΩ 0 – 2 Ω 0 – 2 Ω	Wiring, Right front seat heater switch (S51/2).
⇒ 8.0	Right front seat heater switch (S51/2), indicator lamps Voltage supply	<p>N25/5</p> <p>9 — V — 11</p> <p>9 — V — 10</p>	Ignition: ON S51/2 Stage I turned on S51/2 Stage II turned on S51/2 Stage I turned on S51/2 Stage II turned on	0 – 1 V 8 – 13 V 8 – 13 V 0 – 1 V 8 – 13 V	Wiring, Right front seat heater switch (S51/2), Front HS control module (N25/5).
⇒ 9.0	Right front seat heater switch (S51/2), illumination Voltage supply	<p>S51/2</p> <p>6 — V — 5</p>	Disconnect plug on S51/2 Turn on parking lamps	11 – 14 V	Wiring.

Electrical Test Program - Test

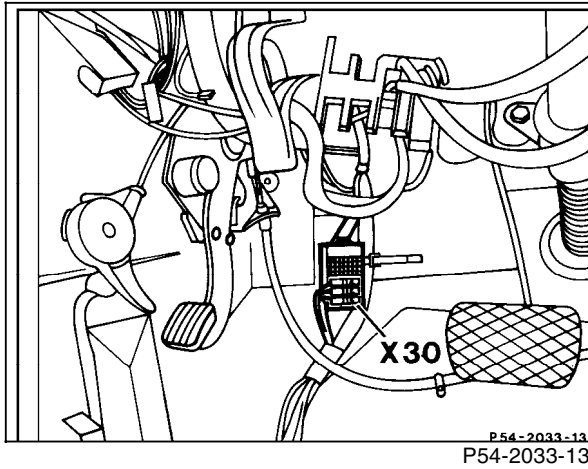


Figure 1

X30 Accessory equipment connector block (5-pole)

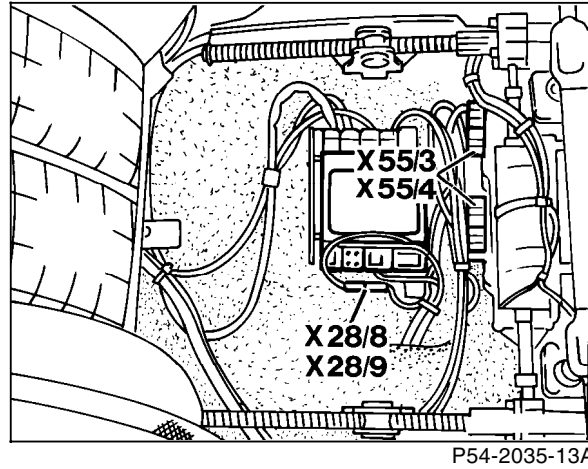


Figure 2

X55/3 Left ESA connector block
X55/4 Right ESA connector block