Electrical Test Program - Test

Test step	DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 1.0	2	**Power soft top control module (N52)** Voltage supply Circuits 30, 15	N52 X ▭ 11 —◖ ←‒(V)⁺→ ◗— 12 N52 Z ▭ 6 —◖ ←‒(V)⁺→ ◗— 5	Ignition: **ON**	11 – 14 V 11 – 14 V	⇒ 1.1, Circuit 31.
⇒ 1.1		Voltage supply Circuits 30, 15	N52 X ▭ ⊥ ←‒(V)⁺→ ◗— 12 N52 Z ▭ ⊥ ←‒(V)⁺→ ◗— 5	Ignition: **ON**	11 – 14 V 11 – 14 V	Circuit 30. Circuit 15.
⇒ 2.0	21	**CST/RB hydraulic unit (A7/5) switching circuit** Voltage supply	A7/5x1 1 —◖ ←‒(V)⁺→ ◗— 4 A7/5x1 5 —◖ ←‒(V)⁺→ ◗— 4	Disconnect connector (A7/5x1).	11 – 14 V 11 – 14 V	Wiring.
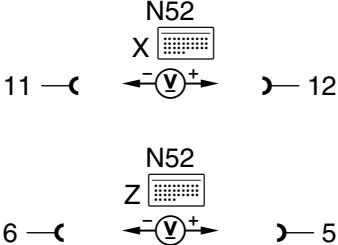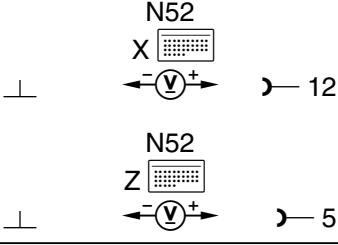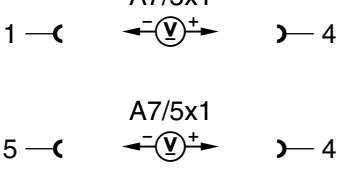
Electrical Test Program - Test

Test step	DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ [2.0]			N52 X [≡] 11 —(←−(V)+→)— 12	Ignition: **ON** Open front locks. Press power soft top switch (S84) in **opening** or **closing** position.	0 – 1 V 11 – 14 V Hydraulic unit (A7/5m1) runs.	⇒ 18.0, ⇒ 18.0, ⇒ 21.0, ⇒ 2.1, Relay (A7/5k1), Wiring.
⇒ 2.1		A7/5m1		Unplug A7/5k1. Bridge sockets 1 and 3 of A7/5k1 connector.	A7/5m1 runs	Wiring, A7/5m1.
⇒ 3.0	∃	**Operating time exceeded**		Erase DTC's.	DTC		Control module (N52).
⇒ 4.0	Ч	**Limit switch signals illogical**		Check limit switch signals according to chart (24).		Wiring, Limit switch.

Electrical Test Program - Test

| Test step	DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 5.0	5	**Soft top compartment cover "locked" switch (A25/1s2) circuit** Voltage supply	N52 Y ⊥ ← –Ⓥ+ → — 14	Control module (N52) in diagnostic mode 22. **Soft top compartment cover**: locked unlocked	0 – 1 V 11 – 14 V	⇒ 5.1, ⇒ 5.1,
⇒ 5.1	5	A25/1s2 Resistance	N52 Y ⊥ ← –Ⓞ+ → — 14	Ignition: **OFF** Disconnect test cable (Y) from control module (N52). **Soft top compartment cover**: locked unlocked	0 – 5 Ω >20 kΩ	A25/1s2, Wiring, If nominal value is obtained: N52.
⇒ 6.0	6	**Soft top compartment cover "closed" switch (A25/1s1) circuit** Voltage supply	N52 Y ⊥ ← –Ⓥ+ → — 13	Control module (N52) in diagnostic mode 22. **Soft top compartment cover**: closed opened	0 – 1 V 11 – 14 V	⇒ 6.1, ⇒ 6.1,
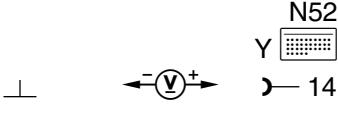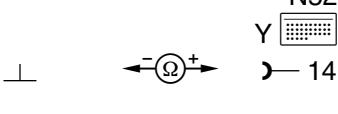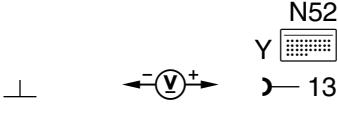
Electrical Test Program - Test

Test step	DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 6.1	Ƃ	A25/1s1 Resistance	N52 Y ▦ ⊥ ←−Ω+→ ❯— 13	Ignition: **OFF** Disconnect test cable (Y) from control module (N52). **Soft top compartment cover:** closed opened	 0 – 5 Ω >20 kΩ	A25/1s1, Wiring, If nominal value is obtained: N52.
⇒ 7.0	⅂	**Soft top compartment cover "open" switch (S84/5) circuit** Voltage supply	N52 Y ▦ ⊥ ←−V+→ ❯— 15	Control module (N52) in diagnostic mode 22. **Soft top compartment cover**: opened closed	 0 – 1 V 11 – 14 V	 ⇒ 7.1, ⇒ 7.1,
⇒ 7.1	⅂	S84/5 Resistance	N52 Y ▦ ⊥ ←−Ω+→ ❯— 15	Ignition: **OFF** Disconnect test cable (Y) from control module (N52). **Soft top compartment cover:** opened closed	 0 – 5 Ω >20 kΩ	S84/5, Wiring, If nominal value is obtained: N52.

Electrical Test Program - Test

Test step	DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 8.0	8	**Soft top fabric bow "locked" switch (S84/8) circuit** Voltage supply	N52 Y ⊥ —(V)— ⟩— 11	Control module (N52) in diagnostic mode 22. **Fabric bow:** locked unlocked	0 – 1 V 11 – 14 V	⇒ 8.1, ⇒ 8.1.
⇒ 8.1	8	S84/8 Resistance	N52 Y ⊥ —(Ω)— ⟩— 11	Ignition: **OFF** Disconnect test cable (Y) from control module (N52). **Fabric bow:** locked unlocked	0 – 5 Ω >20 kΩ	S84/8, Wiring, If nominal value is obtained: N52.
⇒ 9.0	9	**Soft top fabric bow "down" switch (S84/7) circuit** Voltage supply	N52 Y ⊥ —(V)— ⟩— 10	Control module (N52) in diagnostic mode 22. **Fabric bow:** lowered raised	0 – 1 V 11 – 14 V	⇒ 9.1, ⇒ 9.1, N52.
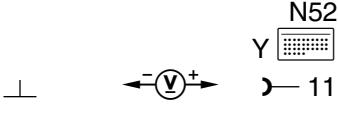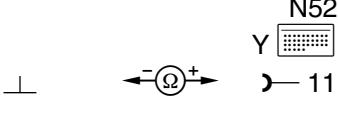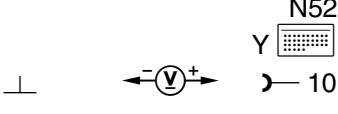
Electrical Test Program - Test

Test step	DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 9.1	9	S84/7 Resistance	N52 Y ▥ ⊥ ◄─Ω─► ❭— 10	Ignition: **OFF** Disconnect test cable (Y) from control module (N52). **Fabric bow:** owered raised	 0 – 5 Ω >20 kΩ	S84/7, Wiring, If nominal value is obtained: N52.
⇒ 10.0	10	**Soft top fabric bow "raised" switch (S84/6) circuit** Voltage supply	N52 Y ▥ ⊥ ◄─V─► ❭— 12	Control module (N52) in diagnostic mode 22. **Fabric bow:** raised lowered	 0 – 1 V 11 – 14 V	 ⇒ 10.1, ⇒ 10.1,
⇒ 10.1	10	S84/6 Resistance	N52 Y ▥ ⊥ ◄─Ω─► ❭— 12	Ignition: **OFF** Disconnect test cable (Y) from control module (N52). **Fabric bow:** raised lowered	 0 – 5 Ω >20 kΩ	S84/6, Wiring, If nominal value is obtained: N52.

Electrical Test Program - Test

Test step	DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 11.0	11	**Left front soft top "locked" switch (S84/1) circuit** Voltage supply	N52 Y ⊥ ←⁻(V)⁺→)— 5	Control module (N52) in diagnostic mode 22. **Front of soft top:** locked unlocked	0 – 1 V 11 – 14 V	⇒ 11.1, ⇒ 11.1,
⇒ 11.1	11	S84/1 Resistance	N52 Y ⊥ ←⁻(Ω)⁺→)— 5	Ignition: **OFF** Disconnect test cable (Y) from control module (N52). **Front of soft top:** locked unlocked	0 – 5 Ω >20 kΩ	S84/1, Wiring, If nominal value is obtained: N52.
⇒ 12.0	12	**Right front soft top "locked" switch (S84/2) circuit** Voltage supply	N52 Y ⊥ ←⁻(V)⁺→)— 6	Control module (N52) in diagnostic mode 22. **Front of soft top:** locked unlocked	0 – 1 V 11 – 14 V	⇒ 12.1, ⇒ 12.1,
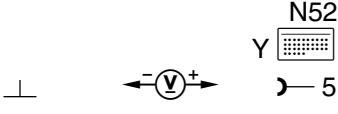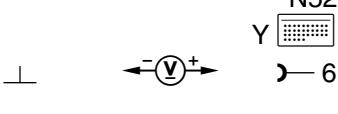
Electrical Test Program - Test

Test step	DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/Remedy

⇒ 12.1	12	S84/2
		Resistance
			N52
			Y ▦
			⊥ ←–(Ω)+→)— 6
				Ignition: **OFF**
				Disconnect test cable (Y)
				from control module (N52).
				Front of soft top:
				                                       locked
				                                     unlocked
					
					0 – 5 Ω
					>20 kΩ
						S84/2,
						Wiring,
						If nominal value is obtained: N52.

⇒ 13.0	13	**Soft top "open" switch (soft top in storage compartment) (S84/3) circuit**
		Voltage supply
			N52
			Y ▦
			⊥ ←–(V)+→)— 9
				Control module in
				diagnostic mode 22
				Soft top:
				                                       opened
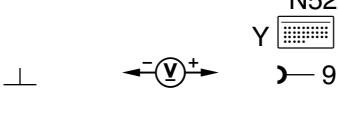				
				                                       closed
					
					0 – 1 V
					
					11 – 14 V
						
						⇒ 13.1,
						
						⇒ 13.1.

⇒ 13.1	13	S84/3
		Resistance
			N52
			Y ▦
			⊥ ←–(Ω)+→)— 9
				Ignition: **OFF**
				Disconnect test cable (Y)
				from control module (N52)
				Soft top:
				                                       opened
				                                       closed
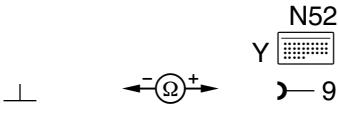					
					0 – 5 Ω
					>20 kΩ
						S84/3,
						Wiring,
						If nominal value is obtained: N52.

Electrical Test Program - Test

Test step	DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 14.0	14	**Soft top "overhead" switch (S84/4) circuit** Voltage supply	N52 Y ⊥ ←−(V)+→)—7	Control module (N52) in diagnostic mode 22. **Soft top:** closed opened	0 – 1 V 11 – 14 V	⇒ 14.1, ⇒ 14.1.
⇒ 14.1	14	S84/4 Resistance	N52 Y ⊥ ←−(Ω)+→)—7	Ignition: **OFF** Disconnect test cable (Y) from control module (N52). **Soft top:** closed opened	0 – 5 Ω >20 kΩ	S84/4, Wiring, If nominal value is obtained: N52.
⇒ 15.0	15	**RB "retracted" switch (S83/5) circuit** Voltage supply	N52 ←−(V)+→ Y)—16	Control module (N52) in diagnostic mode 22. **Roll bar:** retracted extended	0 – 1 V 11 – 14 V	⇒ 15.1, ⇒ 15.1.
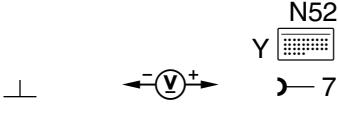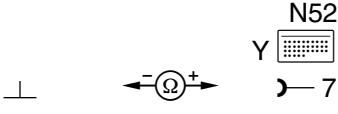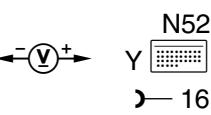
Electrical Test Program - Test

Test step	DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 15.1	15	S83/5 Resistance	N52 Y ⊥ ←−Ω+→)— 16	Ignition: **OFF** Disconnect test cable (Y) from control module (N52). **Roll bar:** retracted extended	 0 – 5 Ω >20 kΩ	S83/5, Wiring, If nominal value is obtained: N52.
⇒ 16.0	16	**RB "extended" switch (S83/6) circuit** Voltage supply	N52 Y ⊥ ←−V+→)— 17	Control module (N52) in diagnostic mode 22. **Roll bar:** extended retracted	 0 – 1 V 11 – 14 V	 ⇒ 16.1, ⇒ 16.1.
⇒ 16.1	16	S83/6 Resistance	N52 Y ⊥ ←−Ω+→)— 17	Ignition: **OFF** Disconnect test cable (Y) from control module (N52). **Roll bar:** extended retracted	 0 – 5 Ω >20 kΩ	S83/6, Wiring, If nominal value is obtained: N52.
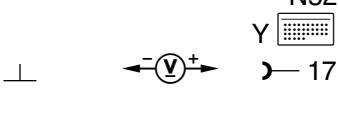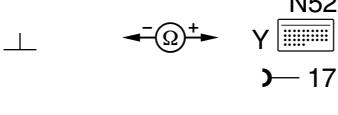
Electrical Test Program - Test

Test step	DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 17.0	17	**Roll bar** **Crash deployment**		Ignition: **OFF, ON** Press RB switch (S83) to **extend** position, (approx. 10 sec.). Retract roll bar using RB switch (S83).	 Roll bar is retracted.	Crash deployment occurred.
⇒ 18.0	18	**Power soft top switch (S84) circuit** Voltage supply	N52 Y ⊥ —(V)— >— 1 N52 Y ⊥ —(V)— >— 2	Ignition: **ON** Press switch S84 to **closing** position. Ignition: **ON** Press switch S84 to **opening** position.	11 – 14 V 0 – 1 V 11 – 14 V 0 – 1 V	⇒ 18.1.
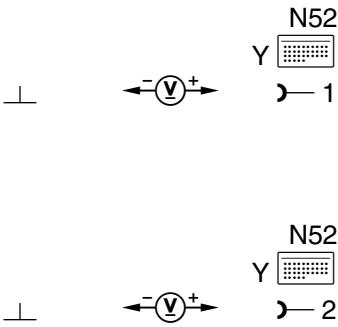
Electrical Test Program - Test

Test step	DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 18.1	18	S84 Resistance	N52 Y [▦] ⊥ ◄‒(Ω)⁺► ❳— 1 N52 Y [▦] ⊥ ◄‒(Ω)⁺► ❳— 2	Disconnect test cable (Y) from control module (N52) Switch S84 in: **rest** position **closing** position **rest** position **opening** position	 >20 kΩ 0 – 5 Ω >20 kΩ 0 – 5 Ω	Wiring, S84, If nominal value is obtained: N52.
⇒ 19.0	19	**Vehicle speed signal**	N52 Y [▦] ⊥ ◄‒(V)⁺► ❳— 35	Drive vehicle at approx. 25 mph (40 km/h)		
⇒ 20.0		**RB switch (S83) circuit and RB switch (rear center console) (S83/4) circuit** Voltage supply	N52 Y [▦] ⊥ ◄‒(V)⁺► ❳— 5	Ignition: **ON** Rear power window safety switch (S21/7) in unlocked position. S83 and S83/4 in: **rest** position	 11 – 14 V	⇒ 20.1, ⇒ 20.2.
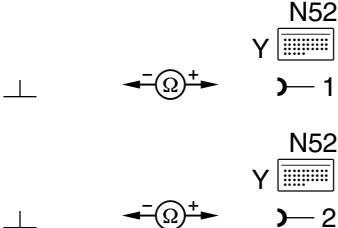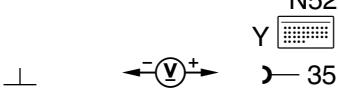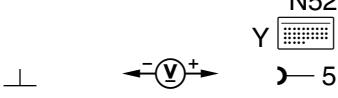
Electrical Test Program - Test

| Test step	DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ [20.0]				Push switch S83 to **extend** roll bar.	0 – 1 V	⇒ 20.1,
				Push switch S83/4 to **extend** roll bar.	0 – 1 V	⇒ 20.2, ⇒ 22.0,
			N52 X ⊥ ◄−Ⓥ+► ⟩— 4	S83 and S83/4 in: **rest** position	11 – 14 V	⇒ 20.1, ⇒ 20.2,
				Push switch S83 to **retract** roll bar.	0 – 1 V	⇒ 20.1,
				Push switch S83/4 to **retract** roll bar.	0 – 1 V	⇒ 20.2, ⇒ 22.0.
⇒ 20.1		S83 Resistance	N52 X ⊥ ◄−Ⓥ+► ⟩— 3	Ignition: **OFF** Disconnect test cable (Y) from control module. S83 and S83/4 in: **rest** position	>20 kΩ	Wiring, S83, S83/4.
				Push switch S83 to **extend** roll bar.	0 – 5 Ω	
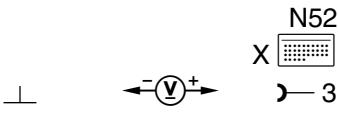
Electrical Test Program - Test

| Test step	DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ [20.1]			N52 Y ▭ ⊥ ←⁻(Ω)⁺→ 〉— 4	S83 and S83/4 in: **rest** position Push switch S83 to **retract** roll bar.	>20 kΩ 0 – 5 Ω	Wiring, S83, S83/4, If nominal value is obtained: control module (N52).
⇒ 20.2		S83/4 Resistance	N52 Y ▭ ⊥ ←⁻(Ω)⁺→ 〉— 3 N52 Y ▭ ⊥ ←⁻(Ω)⁺→ 〉— 4	Ignition: **OFF** Disconnect test cable (Y) from N52. S83 and S83/4 in: **rest** position Push switch S83/4 to **extend** roll bar. S83 and S83/4 in: **rest** position Push switch S83/4 to **retract** roll bar.	 >20 kΩ 0 – 5 Ω >20 kΩ 0 – 5 Ω	Wiring, S83, S83/4, If nominal value is obtained: N52.
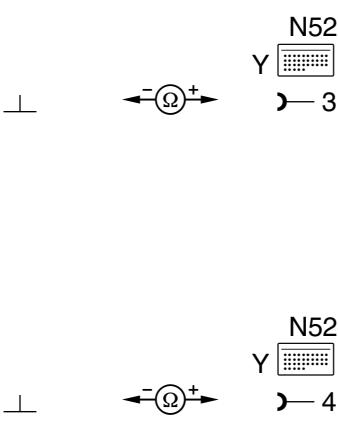
Electrical Test Program - Test

Test step	DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 21.0	21	**Rod side valve (Y57y10) circuit** Voltage supply	N52 X ▦ 11 —(←=(V)+→)— 10	Ignition: **ON** Operate roll bar using switch (S83) to: retract extend	0 – 1 V 11 – 14 V 11 – 14 V	S83, Control module (N52), ⇒ 21.1, ⇒ 21.1.
⇒ 21.1	21	Y57y10 Resistance	N52 X ▦ 11 —(←=(Ω)+→)— 10	Disconnect test cable (X) from control module (N52).	10 – 20 Ω	Wiring, Y57y10, Relay (A7/5k1), If nominal value is obtained: N52.
⇒ 22.0		**Rear power window safety switch (S21/7) circuit** Voltage supply	N52 ⊥ ←=(V)+→ Y ▦)— 3	Ignition: **ON** Hold switch (S83/4) in roll bar extend position. Position of S21/7: locked unlocked	 9 – 14 V 0 – 1 V	 Wiring, ⇒ 22.1, Wiring, ⇒ 22.1, ⇒ 20.0.
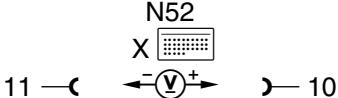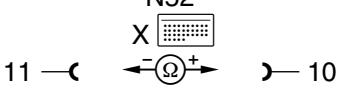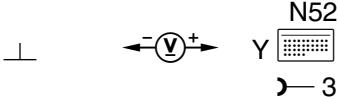
Electrical Test Program - Test

Test step	DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 22.1		S21/7 Resistance	N52 X ▦ ⊥ ←=Ⓞ⁺→)— 3	Ignition: **OFF** Disconnect test cable (Y) from control module (N52). Hold switch S83/4 in roll bar "extend" position. Position of S21/7:		Wiring, S21/7, If nominal value is obtained: N52.
				unlocked	0 – 5 Ω	
				locked	>20 kΩ	
⇒ 23.0	23	**Piston side valve (Y57y11) circuit** Voltage supply	N52 Z ▦ 6 —(←=Ⓥ⁺→)— 2	Ignition: **ON** Operate roll bar using switch (S83) to:		
				extend	11 – 14 V	⇒ 23.1,
				retract	0 – 1 V	Control module (N52).
⇒ 23.1	23	Y57y11 Resistance	N52 Z ▦ 6 —(←=Ⓞ⁺→)— 2	Disconnect test cable (Z) from control module (N52).	5 – 15 Ω	Wiring, Y57y11, If nominal value is obtained: N52.
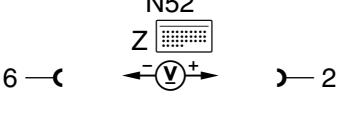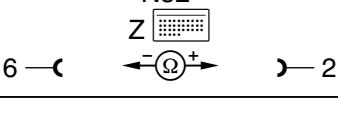
Electrical Test Program - Test

Test step	DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 24.0		**Hydraulic unit main valve (A7/5y1) [1] circuit** Voltage supply	N52 Z 6 —(←⁻V⁺→)—1	Ignition: **ON** Open front locks Move soft top switch to **closing** or **opening** position roll bar retracted.	0 – 1 V 10 – 14 V	Control module (N52). ⇒ 24.1.
⇒ 24.1		A7/5y1 Resistance	N52 Z 6 —(←⁻Ω⁺→)—1	Disconnect test cable (Z) from control module (N52).	5 – 15 Ω	Wiring, A7/5y1, If nominal value is obtained: N52.
⇒ 25.0		**Soft top compartment lock valve (Y56y3) circuit** Voltage supply	N52 X 11 —(←⁻V⁺→)—9	Ignition: **ON** Operate soft top compartment cover using switch (S84) to: **unlock** **lock**	 10 – 14 V 0 – 1 V	 ⇒ 25.1. Control module (N52).
⇒ 25.1		Y56y3 Resistance	N52 X 11 —(←⁻V⁺→)—9	Disconnect test cable (X) from control module (N52).	5 – 15 Ω	Wiring, Y56y3, If nominal value is obtained: Y56y3 is physically sticking or control module (N52).
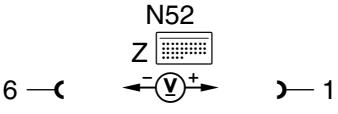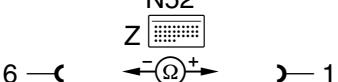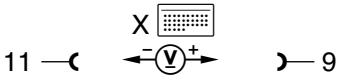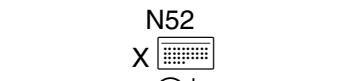
[1]   CST/RB hydraulic unit main valve (A7/5y1) was eliminated as of chassis number 124.061/066-1B-837708.

Electrical Test Program - Test

Test step	DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 26.0		**Fabric bow lock valve (Y56y4), Soft top compartment cover "closed" circuit** Voltage supply	N52 X [⬚] 11 —⟨ ⟵$\ominus$(V)$+$⟶ ⟩— 8	Ignition: **ON** Operate fabric bow using power soft top switch (S84) to: **unlock** **lock**	 10 – 14 V 0 – 1 V	 ⇒ 26.1, Control module (N52).
⇒ 26.1		Y56y4 Resistance	N52 X [⬚] 11 —⟨ ⟵$\ominus$(Ω)$+$⟶ ⟩— 8	Disconnect test cable (X) from control module (N52).	5 – 15 Ω	Wiring, Y56y4, If nominal value is obtained: Y56y3 is physically sticking or control module (N52).
⇒ 27.0		**Soft top compartment cover drive valve (Y56y5), Compartment cover "open" circuit** Voltage supply	N52 X [⬚] 11 —⟨ ⟵$\ominus$(V)$+$⟶ ⟩— 5	Ignition: **ON** Operate soft top compartment cover using power soft top switch (S84) to: **raise** **lower**	 10 – 14 V 0 – 1 V	 ⇒ 27.1, Control module (N52).
⇒ 27.1		Y56y5 Resistance	N52 X [⬚] 11 —⟨ $\qquad$ ⟩— 5 ⟵$\ominus$(Ω)$+$⟶	Disconnect test cable (X) from control module (N52).	5 – 15 Ω	Wiring, Y56y5, If nominal value is obtained: N52.

Electrical Test Program - Test

Test step	DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 28.0		**Soft top "open" valve (Y55y6) circuit** Voltage supply	N52 X ▦ 11 —< ⁻–(V)⁺–)— 1	Ignition: **ON** Operate soft top using power soft top switch (S84):		
				opening	10 – 14 V	⇒ 28.1,
				closing	0 – 1 V	Control module (N52).
⇒ 28.1		Y55y6 Resistance	N52 X ▦ 11 —< ⁻–(Ω)⁺–)— 1	Disconnect test cable (X) from control module (N52).	5 – 15 Ω	Wiring, Y55y6, If nominal value is obtained: N52.
⇒ 29.0		**Soft top "close" valve (Y55y7) circuit** Voltage supply	N52 X ▦ 11 —< ⁻–(V)⁺–)— 2	Ignition: **ON** Operate soft top using power soft top switch (S84):		
				closing	10 – 14 V	⇒ 29.1,
				opening	0 – 1 V	Control module (N52).
⇒ 29.1		Y55y7 Resistance	N52 X ▦ 11 —< ⁻–(Ω)⁺–)— 2	Disconnect test cable (X) from control module (N52).	5 – 15 Ω	Wiring, Y55y7, If nominal value is obtained: N52.

Electrical Test Program - Test

Test step	DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 30.0		**Fabric bow "raise" valve (Y55y8) circuit** Voltage supply	N52 X 11 —(◁—(V)+▷)— 3	Ignition: **ON** Operate fabric bow using power soft top switch (S84) to:		
				raise	10 – 14 V	⇒ 30.1,
				lower	0 – 1 V	Control module (N52).
⇒ 30.1		Y55y8 Resistance	N52 X 11 —(◁—(Ω)+▷)— 3	Disconnect test cable (X) from control module (N52).	5 – 15 Ω	Wiring, Y55y8, If nominal value is obtained: N52.
⇒ 31.0		**Fabric bow "lower" valve (Y55y9) circuit** Voltage supply	N52 X 11 —(◁—(V)+▷)— 4	Ignition: **ON** Operate fabric bow using power soft top switch (S84) to:		
				lower	10 – 14 V	⇒ 31.1,
				raise	0 – 1 V	Control module (N52).
⇒ 31.1		Y55y9 Resistance	N52 X 11 —(◁—(Ω)+▷)— 4	Disconnect test cable (X) from control module (N52).	5 – 15 Ω	Wiring, Y55y9, If nominal value is obtained: N52.
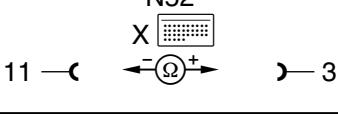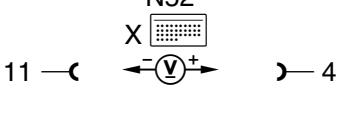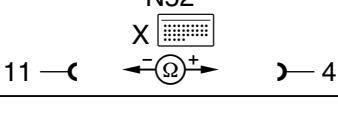
Electrical Test Program - Test

Test step	DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 32.0		**Combination relay (heated rear window, N10)** Voltage supply	N52 Z 6 —⟨ ⟩— 12	Soft top opened.	Multimeter display blinks (approx. 2 Hz).	Wiring, Soft top "overhead" switch (S84/4), Control module (N52).
⇒ 33.0		**CF control module (N57)** Voltage supply	N52 Y 27 —⟨ ⟩— 28	Ignition: **ON** Tap power soft top switch (S84) twice and hold: in **opening** position in **closing** position	0 – 1 V – 9 to – 14 V 9 – 14 V	Wiring, Control module (N52), CF control module (N57).
⇒ 34.0		**Ceiling control panel warning buzzer**	N52 Y ⊥ — ⟩— 33	Ignition: **ON**	Tone sounds.	Wiring, Dome lamp (with shut off delay) (E15).
⇒ 35.0		**Indicator lamp power soft top switch (S84)** Voltage supply	S84 4 —⟨ ⟩— 2	Ignition: **ON**	11 – 14 V	Wiring.
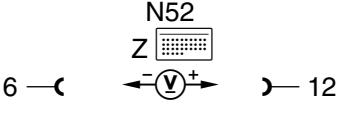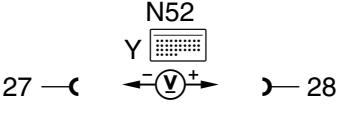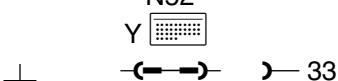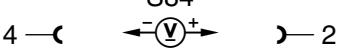
Electrical Test Program - Test

Test step	DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 36.0		**Signal to power soft top switch indicator lamp (S84)**		Soft top completely closed or opened. Ignition: **ON**	Indicator lamp should light for approx. 1 s.	Wiring, S84, Control module (N52).
⇒ 37.0		**RB control module (N53)**	N52 Y ⊥ ◄─(V)─► >── 19 N52 Y ⊥ ◄─(V)─► >── 19	Ignition: **ON**	> 2.4 V > 2.4 V	Wiring, Malfunction in roll bar system (see DM, Body and Accessories, Vol. 3, section 19.1), Control module (N53).
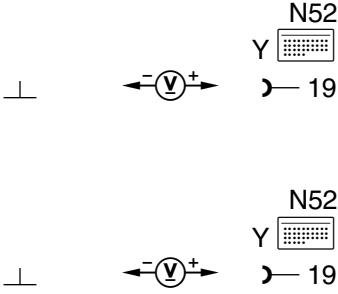
Electrical Test Program - Test

Connector locations
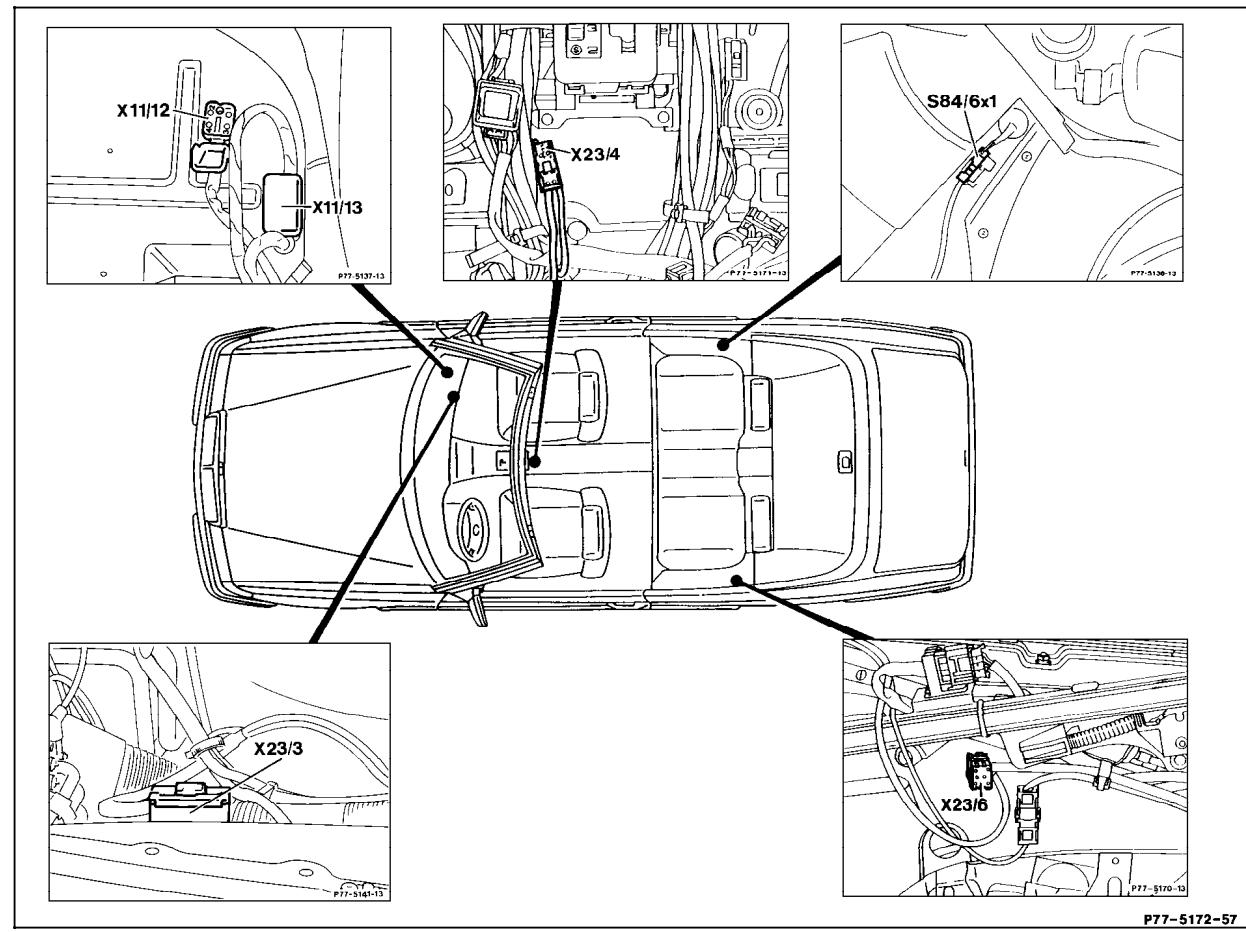

Figure 1

S84/6x1   Soft top fabric bow "raised" switch connector
X11/12   Power soft top test connector (4-pole)
X23/3   Soft top/interior connector (14-pole)
X23/4   RB/power windows connector (14-pole)
X23/6   Soft top harness/soft top limit switch connector (4-pole)

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