

Diagnosis - Complaint Related Diagnostic Chart

Complaint/Problem	Possible cause	Test step/Remedy ¹⁾
Indicator lamp in power soft top switch (S84) does not light when switching ignition on	Control module (N52) Indicator lamp in power soft top switch (S84)	23 ⇒ 1.0 23 ⇒ 35.0, 36.0
Indicator lamp in power soft top switch (S84) lights with soft top closed (no DTC's) (Warning tone sounds for approx. 10 sec. while driving)	Soft top fabric bow "locked" switch (S84/8) Left front soft top "locked" switch (S84/1) Right front soft top "locked" switch (S84/2)	23 ⇒ 8.0 23 ⇒ 11.0 23 ⇒ 12.0
Indicator lamp in power soft top switch (S84) lights with soft top open (no diagnostic trouble codes) (Warning tone sounds for approx. 10 sec. while driving)	Soft top compartment cover "locked" switch (A25/1s2) Left front soft top "locked" switch (S84/1) Right front soft top "locked" switch (S84/2)	23 ⇒ 5.0 23 ⇒ 11.0 23 ⇒ 12.0
Indicator lamp in power soft top switch (S84) blinks when actuated	Diagnostic Trouble Code being stored in memory	Read out DTC's 12/1
Roll bar cannot be extended using RB switch (S83)	CST/RB hydraulic unit (A7/5) malfunction RB switch (S83) RB "extended" switch (S83/6) RB piston side valve (Y57y11) System pressure Roll bar extended	23 ⇒ 1.0, 2.0 23 ⇒ 20.0 23 ⇒ 16.0 23 ⇒ 23.0 33 ⇒ 1.0 33 ⇒ 4.0
Roll bar cannot be extended using rear seat RB switch (rear center console) (S83/4)	RB switch (rear center console) (S83/4) Rear power window safety switch (S21/7)	23 ⇒ 20.0 23 ⇒ 22.0

¹⁾ Observe Preparation for Test, see 22.

11.1 Cabriolet Soft Top (CST), Roll Bar (RB) (Manual Operation)

Model 124

Diagnosis - Complaint Related Diagnostic Chart

Complaint/Problem	Possible cause	Test step/Remedy ¹⁾
Roll bar cannot be extended using power soft top switch (S84)	RB piston side valve (Y57y11) System pressure Roll bar extended	23 ⇒ 23.0 33 ⇒ 1.0 33 ⇒ 4.0
Roll bar cannot be retracted using RB switch (S83)	CST/RB hydraulic unit (A7/5) does not run RB switch (S83) RB "retracted" switch (S83/5) RB rod side valve (Y57y10) Roll bar retracted	23 ⇒ 1.0, 2.0 23 ⇒ 20.0 23 ⇒ 15.0 23 ⇒ 21.0 33 ⇒ 3.0
Roll bar cannot be retracted using RB switch (rear center console (S83/4)	RB switch (rear center console) (S83/4) Rear power windows safety switch (S21/7)	23 ⇒ 20.0 23 ⇒ 22.0
Roll bar cannot be retracted using power soft top switch (S84)	CST/RB hydraulic unit (A7/5) does not run Power soft top switch (S84) RB "retracted" switch (S83/5) RB rod side valve (Y57y10) Roll bar retracted	23 ⇒ 1.0, 2.0 23 ⇒ 18.0 23 ⇒ 15.0 23 ⇒ 21.0 33 ⇒ 3.0
Side windows do not open at start of soft top operation	Voltage supply to CF control module (N57) CF control module (N57)	23 ⇒ 33.0
Side windows do not close at end of soft top operation (Front latches must be locked)	Soft top compartment cover "locked" switch (A25/1s2) Voltage supply to CF control module (N57) CF control module (N57)	23 ⇒ 5.0 23 ⇒ 33.0

¹⁾ Observe Preparation for Test, see 22.

Diagnosis - Complaint Related Diagnostic Chart

Complaint/Problem	Possible cause	Test step/Remedy ¹⁾
Heated rear window does not shut off with soft top open	Soft top "overhead" switch (S84/4) Voltage supply to combination relay (heated rear window) (N10)	23 ⇒ 14.0 23 ⇒ 32.0
Soft top can be opened or closed while driving (front latches unlocked). No warning tone from the soft top control panel.	Vehicle speed signal from Hall-effect sensor multipoint connector (X53/5) Power soft top control module (N52)	23 ⇒ 19.0, 34.0
No centralized closing of side windows after pressing power soft top switch (S84) in closing direction twice	Power soft top switch (S84) Voltage supply to CF control module (N57) CF control module (N57)	23 ⇒ 18.0 23 ⇒ 33.0
No centralized opening of side windows after pressing power soft top switch (S84) in opening direction twice	Power soft top switch (S84) Voltage supply to CF control module (N57) CF control module (N57)	23 ⇒ 18.0 23 ⇒ 33.0

1) Observe Preparation for Test, see 22.

Diagnosis - Complaint Related Diagnostic Chart

Soft top closing sequence (Soft top unlocked at left and right front)

Complaint/Problem	Possible cause	Test step/Remedy ¹⁾
Soft top compartment lock does not open.	CST/RB hydraulic unit (A7/5) does not run Left front soft top "locked" switch (S84/1) Right front soft top "locked" switch (S84/2) RB "retracted" switch (S83/5) Power soft top switch (S84) Soft top compartment lock valve (Y56y3) Hydraulic unit main valve (A7/5y1) RB control module (N53) System pressure Opening soft top compartment lock	23 ⇒ 1.0, 2.0 23 ⇒ 11.0 23 ⇒ 12.0 23 ⇒ 15.0 23 ⇒ 18.0 23 ⇒ 25.0 23 ⇒ 24.0 23 ⇒ 37.0 33 ⇒ 1.0 33 ⇒ 13.0
Soft top compartment lid does not open, or opens slowly	Soft top compartment cover valve (Y56y5) Raising soft top compartment lid vertically	23 ⇒ 27.0 33 ⇒ 14.0
Soft top does not come out of soft top compartment or comes out slowly	Soft top compartment "open" switch (S84/5) Soft top "close" valve (Y55y7) Closing soft top	23 ⇒ 7.0 23 ⇒ 29.0 33 ⇒ 15.0
Soft top fabric bow does not open, or opens slowly	Soft top "overhead" switch (S84/4) Fabric bow "raise" valve (Y55y8) Raising soft top fabric bow	23 ⇒ 14.0 23 ⇒ 30.0 33 ⇒ 16.0

¹⁾ Observe Preparation for Test, see 22.

11.1 Cabriolet Soft Top (CST), Roll Bar (RB) (Manual Operation)

Model 124

Diagnosis - Complaint Related Diagnostic Chart

Complaint/Problem	Possible cause	Test step/Remedy ¹⁾
Soft top compartment does not close, or closes slowly	Soft top fabric bow "raised" switch (S84/6) Fabric bow lock valve (Y56y4) Soft top storage compartment cover drive valve (Y56y5) Lowering of soft top storage compartment cover	23 ⇒ 10.0 23 ⇒ 26.0 23 ⇒ 27.0 33 ⇒ 17.0
Soft top compartment cover lock does not lock	Soft top compartment cover "closed" switch (A25/1s1) Soft top compartment lock valve (Y56y3) Locking of soft top compartment cover lock	23 ⇒ 6.0 23 ⇒ 25.0 33 ⇒ 18.0
Soft top fabric bow does not close or closes slowly	Soft top compartment cover "locked" switch (A25/1s2) Fabric bow "lower" valve (Y55y9) Lowering of soft top fabric bow	23 ⇒ 5.0 23 ⇒ 31.0 33 ⇒ 19.0
Soft top fabric bow lock does not lock	Soft top fabric bow "down" switch (S84/7) Fabric bow lock valve (Y56y4) Locking of soft top fabric bow lock	23 ⇒ 9.0 23 ⇒ 26.0 33 ⇒ 20.0

¹⁾ Observe Preparation for Test, see 22.

Diagnosis - Complaint Related Diagnostic Chart

Soft top opening sequence (Soft top unlatched at left and right front)

Complaint/Problem	Possible cause	Test step/Remedy ¹⁾
Soft top fabric bow lock does not unlock	CST/RB hydraulic unit (A7/5) does not run Left front soft top "locked" switch (S84/1) Right front soft top "locked" switch (S84/2) RB "retracted" switch (S83/5) Power soft top switch (S84) Fabric bow lock valve (Y56y4) CST/RB hydraulic unit main valve (A7/5y1) RB control module (N53) System pressure Opening soft top fabric bow	23 ⇒ 1.0, 2.0 23 ⇒ 11.0 23 ⇒ 12.0 23 ⇒ 15.0 23 ⇒ 18.0 23 ⇒ 26.0 23 ⇒ 24.0 23 ⇒ 37.0 33 ⇒ 1.0 33 ⇒ 5.0
Soft top fabric bow does not rise or rises slowly	Soft top fabric bow "locked" switch (S84/8) Fabric bow "raise" valve (Y55y8) Setting fabric bow vertical	23 ⇒ 8.0 23 ⇒ 30.0 33 ⇒ 6.0
Soft top compartment lock does not unlock	Soft top fabric bow "raised" switch (S84/6) Soft top compartment lock valve (Y56y3) Opening soft top compartment latch	23 ⇒ 10.0 23 ⇒ 25.0 33 ⇒ 7.0

¹⁾ Observe Preparation for Test, see 22.

Diagnosis - Complaint Related Diagnostic Chart

Complaint/Problem	Possible cause	Test step/Remedy ¹⁾
Soft top compartment cover does not open or opens slowly	Soft top compartment cover drive valve (Y56y5) Raising soft top compartment cover	23 ⇒ 27.0 33 ⇒ 8.0
Soft top fabric bow does not close or closes slowly	Soft top compartment "open" switch (S84/5) Fabric bow "lower" valve (Y55y9) Lowering soft top fabric bow	23 ⇒ 7.0 23 ⇒ 31.0 33 ⇒ 9.0
Soft top does not open or opens slowly	Soft top fabric bow "down" switch (S84/7) Soft top "open" valve (Y55y6) Opening soft top	23 ⇒ 9.0 23 ⇒ 28.0 33 ⇒ 10.0
Soft top compartment cover does not close or closes slowly	Soft top "open" switch (soft top in storage compartment) (S84/3) Fabric bow lock valve (Y56y4) Soft top compartment cover drive valve (Y56y5) Lowering soft top storage compartment cover	23 ⇒ 13.0 23 ⇒ 26.0 23 ⇒ 27.0 33 ⇒ 11.0
Soft top compartment cover latch does not lock	Soft top compartment cover "closed" switch (A25/1s1) Soft top compartment cover drive valve (Y56y5) Locking soft top storage compartment cover latch	23 ⇒ 6.0 23 ⇒ 25.0 33 ⇒ 12.0

¹⁾ Observe Preparation for Test, see 22.