Audi > B3 Platform > 1994 - 1998
Electrical Equipment
96 - Lights, Switches - Interior, Anti-theft

Read Measuring Value Block (scan tool function 08)

Test requirements

- Electrical consumers switched off
- Ignition switched on

– Check and erase Diagnostic Trouble Code (DTC) memory => page 01-11.

```
Rapid data transfer HELP
Select function XX
```

Indicated on display

– Press buttons -0- and -8- to input "Read Measuring Value Block" function 08.

```
Rapid data transfer Q
08 - Read Measuring Value Block
```

Indicated on display

– Press -Q- button to enter input.

```
Read Measuring Value Block HELP
Input display group number XXX
```

Indicated on display

– Input desired display group number.

- For input signals, input display group number 001
- For output signals input display group number 002

Note:

Display group number 001 is used as an example to show sequence.

– Press button -0- twice and button -1- to input display group number 001.

```
Read Measuring Value Block Q
Input display group number 001
```

Indicated on display

- Press -Q- button to confirm input.

```
Read Measuring Value Block 1 →
1 2 3 4
```

Indicated on display

Notes:

- For display group numbers 001 and 002, the display group number will be shown without the "00."
- Press the -C- button before selecting additional display groups.
- With the printer switched on, the display shown is printed.
- Each time the PRINT button is pressed, the display shown is printed.

- Press -C- button.

```
Read Measuring Value Block HELP
Input display group number XXX
```

Indicated on display

- Input appropriate display group number and press -Q- button to confirm input.

To end "Read Measuring Value Block" function 08:

- Press → button.

```
Rapid data transfer HELP
Select function XXX
```

Indicated on display

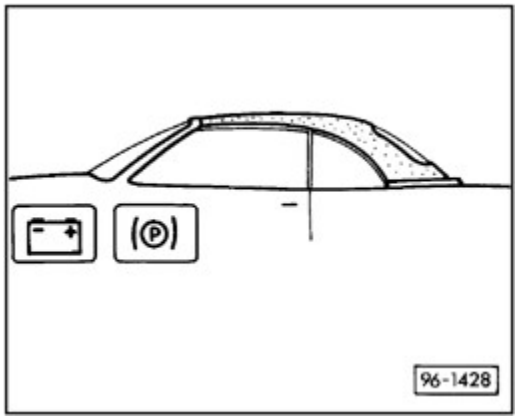
- Check and erase DTC memory => page 01-11.

Test procedure information

- To ensure a constant and adequate voltage supply, start and run engine during the

entire test sequence.

- If a complaint exists, start the test sequence one test step prior to where the convertible top begins malfunctioning.
- Check all input signals first.



Convertible top, opening

Test requirements

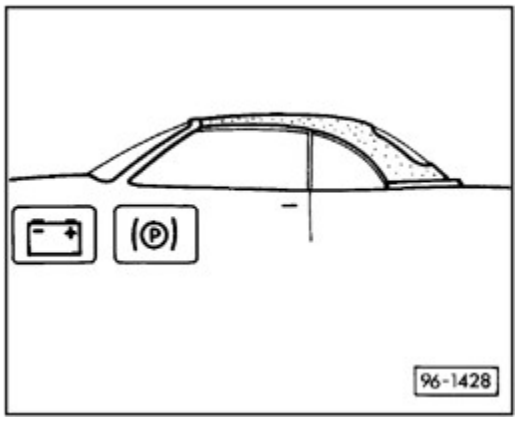
- Convertible top closed and locked
- Trunk lid closed
- Ignition switch on.
- Parking brake engaged (parking brake indicator light lights up)

```
Read Measuring Value Block HELP
Input display group number XXX
```

Indicated on display

- Input desired display group number.
- For input signals, input display group number 001
- For output signals input display group number 002
- Press -Q- button to confirm input.

Test step 1



Checking closed starting position

```
Read Measuring Value Block 1 →
10111011 10100101 00000100 11 00
```

Input signals - specified values:

Display field 1:

4th digit: 1 =	Convertible top locked (switch -F205- closed)
8th digit: 1 =	Convertible top rests on the roof frame (switch -F172- closed)

Display field 3:

6th digit: 1 =	Parking brake is engaged (switch -F9- closed)

Display field 4:

2nd digit: 1 =	Vehicle speed is less than 3 mph (5 km/h)

```
Read Measuring Value Block 2 →
00000 00000000
```

Output signals - specified values:

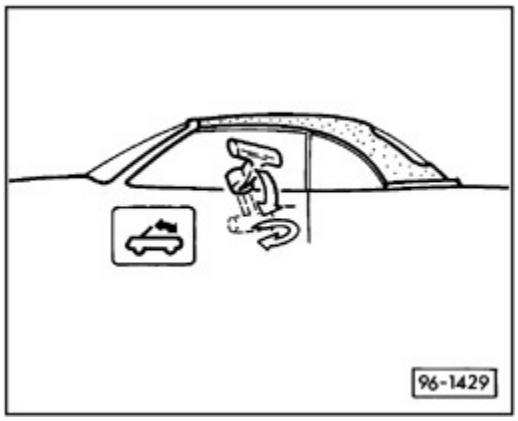
Display field 1:

1st digit: 0 =	Convertible top unlocking solenoid -N187- is NOT triggered

Note:

Pressing the → button will exit the measuring value block function. If this occurs, select "Read Measuring Value Block" function 08 once again.

Test step 2



- Open (turn) convertible top latch but do not lift convertible top from roof frame.

```
Read Measuring Value Block 1 →
10101011 10100101 00000100 11 00
```

Input signals - specified values:

Display field 1:

4th digit: 0 =	Control module recognizes latch was turned (opened) (switch -F205- open)
7th digit: 1 =	Trunk lid is closed (switch -F206- closed)
8th digit: 1 =	Convertible top rests on the roof frame (switch -F172- closed)

Convertible top locked indicator light -K98- is triggered (light comes on).

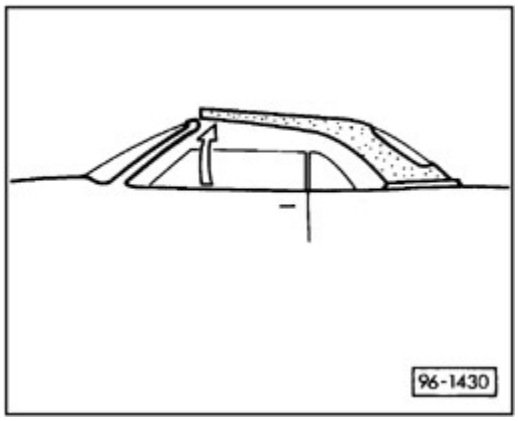
```
Read Measuring Value Block 2 →
10010 00000000
```

Output signals - specified values:

Display field 1:

1st digit: 1 =	If the speed is less than 3 mph (5 km/h) and the parking brake is engaged, convertible top unlocking solenoid -N187- is triggered and releases the lock (-N187- is triggered for a maximum of ten minutes)
4th digit: 1 =	Starting at this point, the convertible top locked indicator light -K98- is triggered (light comes on)

Test step 3



- Lift front of convertible top from roof frame.

```
Read Measuring Value Block 1 →
10101010 10100100 00000100 11 00
```

Input signals - specified values:

Display field 1:

8th digit: 0 =	Convertible top control module recognizes that convertible top is lifted from the roof frame (switch -F172- open)

Note:

Convertible top hydraulic pump will only run if "0" is indicated for switch -F172-.

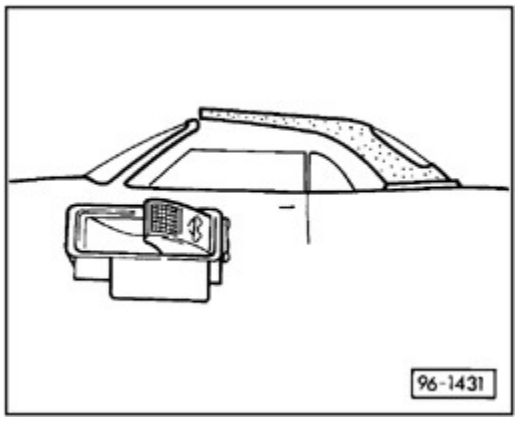
```
Read Measuring Value Block 2 →
00010 00000000
```

Output signals - specified values:

Display field 1:

1st digit: 0 =	Convertible top unlocking solenoid -N187- is NOT triggered
5th digit: 0 =	Immediately after convertible top latch open position switch -F205- switches, a "1" is displayed for about 1.5 seconds; power window opening relay -J291- is activated and the side windows are lowered

Test step 4



- Pull up convertible top operation switch -E137- in the center console.

```
Read Measuring Value Block 1 →
10101010 10100100 00000110 11 00
```

Input signals - specified values:

Display field 1:

2nd digit: 0 =	Convertible top compartment cover locks are NOT unlocked (switches -F197- and -F198- open)
3rd digit: 1 =	Convertible top compartment cover is resting on locks (switches -F195- and -F196- closed)

```
Read Measuring Value Block 1 →
10101010 10100100 00000110 11 00
```

Input signals - specified values:

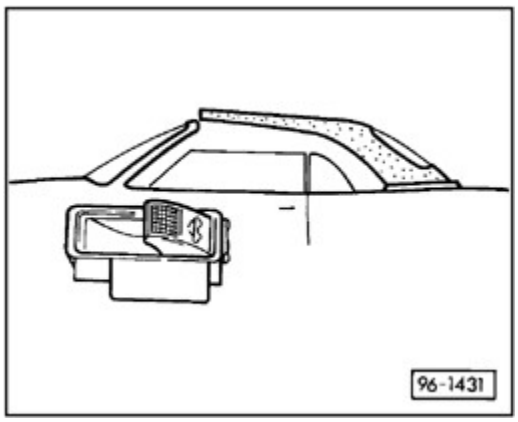
Display field 2:

2nd digit: 0 =	Convertible top compartment cover locks are NOT unlocked (switches -F197- and -F198- open)
3rd digit: 1 =	Convertible top compartment cover is resting on locks (switches -F195- and -F196- closed)
4th digit: 0 =	Convertible top compartment cover is NOT open (switch -F201- open)
5th digit: 0 =	Convertible top is NOT open (switch -F171- open)
6th digit: 1 =	Convertible top is closed (switch -F202- closed)

7th digit: 0 =	Tensioning (roof) bow is NOT stowed (switch -F203- open)

Display field 3:

5th digit: 0 =	Convertible top operation switch -E137- is NOT switched to the closing position
7th digit: 1 =	Convertible top operation switch -E137- is switched to the opening position



Front of convertible top is raised

```
Read Measuring Value Block 2 →
01010 00011000
```

Output signals - specified values:

Note:

When checking output signals, observe specified values only during top movement. When top movement is interrupted, additional solenoid valves for the holding function are triggered and the measuring value block reading will change.

Display field 1:

2nd digit: 1 =	Convertible top hydraulic pump relay -J321- is activated

```
Read Measuring Value Block 2 →
01010 00011000
```

Output signals - specified values:

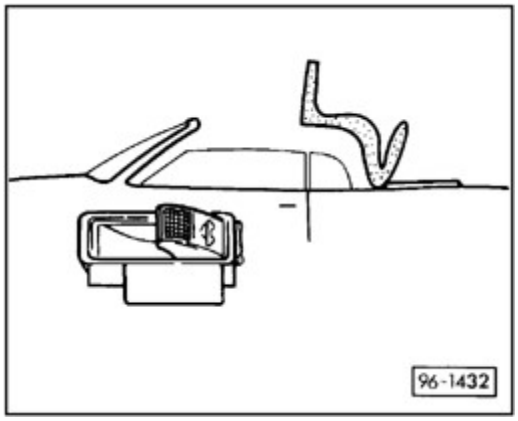
Display field 2:

4th digit: 1 =	Solenoid valve 5 "stow tensioning bow" -N92- is activated
5th digit: 1 =	Solenoid valve 4 "close convertible top" -N91- is activated

Note:

- The convertible top main cylinder must be charged with hydraulic pressure via solenoid valve 4 so that the convertible top does not collapse during extreme vehicle maneuvers.
- Pressing the → button will exit the read measuring value block function. If this occurs, select "Read Measuring Value Block" function 08 once again.

Test step 5



Tensioning (roof) bow is in stowed position (front and rear of top are raised).

```
Read Measuring Value Block 1 →
10101010 10100110 00000110 11 00
```

Input signals - specified values:

Note:

The above switch combination must be achieved no later than 20 seconds after convertible top movement from previous position (test step 4).

Display field 2:

7th digit: 1 =	The tensioning (roof) bow is in stowed position (front and rear of top are raised) (switch -F203- closed)
8th digit: 0 =	The tensioning (roof) bow is NOT in raised position (extended) (switch -F204- open)

The convertible top cover is unlocked

```
Read Measuring Value Block 2 →
01010 01011000
```

Output signals - specified values:

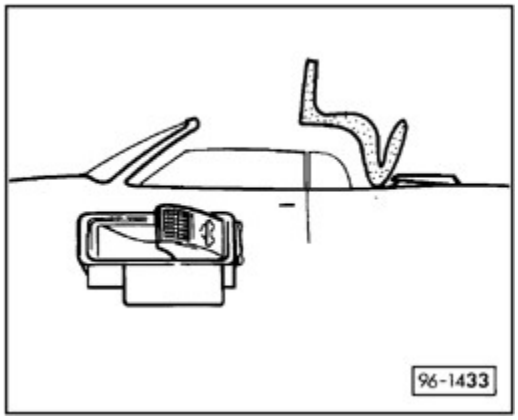
Display field 2:

2nd digit: 1 =	Solenoid Valve 7 "unlock convertible top compartment cover" -N94- is activated

Note:

In this step, the luggage compartment lock is locked by the trunk lid locking motor -V53- via stepper motor 1, and the locking is secured by stepper motor 2.

Test step 6



Convertible top compartment cover is unlocked but still not raised

```
Read Measuring Value Block 1 →
01100110 01100110 00000110 11 00
```

Input signals - specified values:

Note:

The above switch combination must be achieved no later than 5 seconds after convertible top movement from previous position (test step 5).

Display field 1:

1st digit: 0 =	The convertible top compartment cover is NOT locked (switches -F199- and -F200- open)

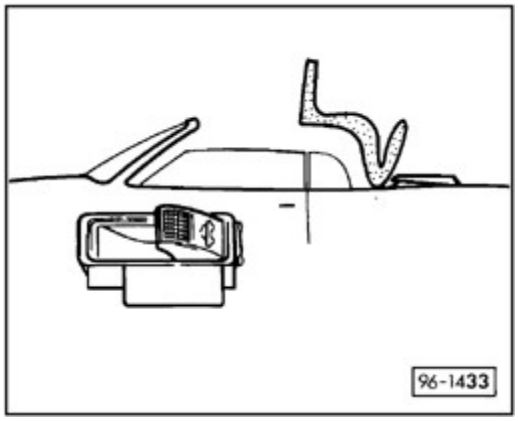
2nd digit: 1 =	The convertible top compartment cover is unlocked (switches -F197- and -F198- closed)
5th digit: 0 =	The trunk lid is NOT unlocked (trunk lid locking motor -V53-, unlock switch open)
6th digit: 1 =	The trunk lid is locked (trunk lid locking motor -V53-, lock switch closed)

Display field 2:

1st digit: 0 =	The convertible top compartment cover is NOT locked (switches -F199- and -F200- open)
2nd digit: 1 =	The convertible top compartment cover is unlocked (switches -F197- and -F198- closed)

Note:

Pressing the → button will exit the measuring value block function. If this occurs, select "Read Measuring Value Block" function 08 once again.



The convertible top compartment cover is being raised (opened).

Note:

When checking output signals, observe specified values only during top movement. When top movement is interrupted, additional solenoid valves for the holding function are triggered and measuring value block reading will change.

```
Read Measuring Value Block 2 →
01010 01011001
```

Output signals - specified values:

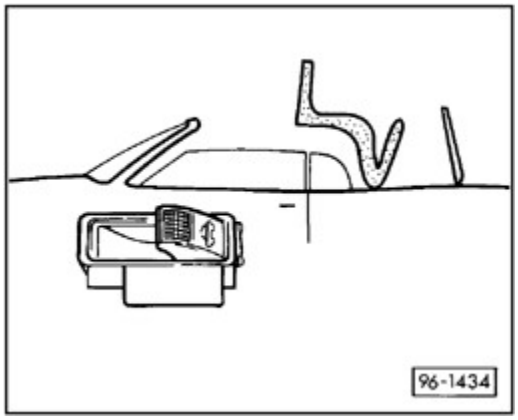
Display field 2:

8th digit: 1 =	Solenoid Valve 1 "open convertible top compartment cover" -N88- is activated

Note:

All previously switched solenoid valves remain activated so that the main cylinder remains under pressure and the convertible top is held firmly in position.

Test step 7



Convertible top compartment cover is raised (open).

```
Read Measuring Value Block 1 →
01000110 01010110 00000110 11 00
```

Input signals - specified values:

Note:

The above switch combination must be achieved no later than 5 seconds after convertible top movement from previous position (test step 6).

Display field 2:

4th digit: 1 =	Convertible top compartment cover is completely opened (switch -F201- closed)

The tensioning (roof) bow moves to raised (extended) position.

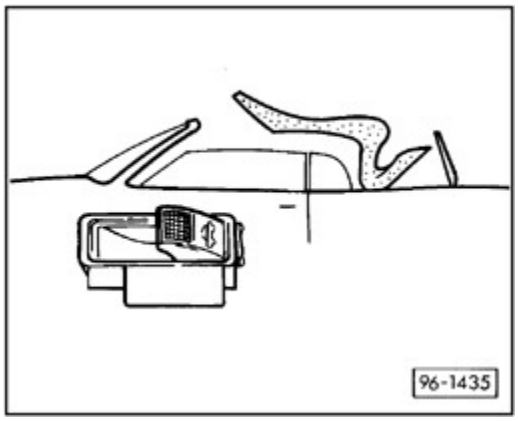
```
Read Measuring Value Block 2 →
01010 01101001
```

Output signals - specified values:

Display field 2:

3rd digit: 1 =	Solenoid Valve 6 "raise (extend) tensioning bow" -N93- is activated
4th digit: 0 =	Solenoid Valve 5 "stow tensioning bow" -N92- is NOT activated

Test step 8



The tensioning (roof) bow is raised and front and rear of top are lowered slightly.

```
Read Measuring Value Block 1 →
01000110 01010100 00000110 11 00
```

Input signals - specified values:

Note:

The above switch combination must be achieved no later than 2 seconds after convertible top movement from previous position (test step 7).

Display field 2:

7th digit: 0 =	The tensioning (roof) bow is NOT in stowed position (switch -F203- open)

The tensioning (roof) bow is raised further and front and rear of top are lowered further.

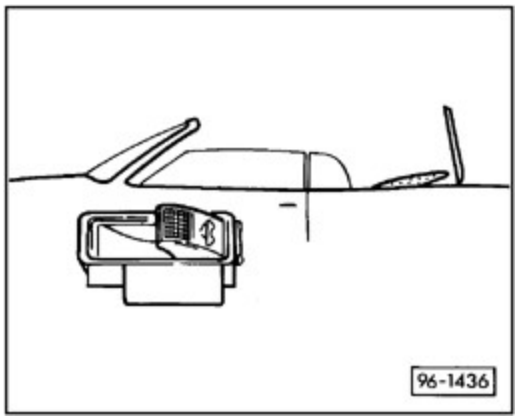
```
Read Measuring Value Block 2 →
01010 01000101
```

Output signals - specified values:

Display field 2:

3rd digit: 0 =	Solenoid Valve 6 "raise (extend) tensioning bow" -N93- is NOT activated
5th digit: 0 =	Solenoid Valve 4 "close convertible top" -N91- is NOT activated
6th digit: 1 =	Solenoid Valve 3 :"open convertible top" -N90- is activated

Test step 9



Convertible top is stored in compartment.

```
Read Measuring Value Block 1 →
01000110 01011010 00000110 11 00
```

Input signals - specified values:

Note:

The above switch combination must be achieved no later than 20 seconds after convertible top movement from previous position (test step 8).

Display field 1:

3rd digit: 0 =	The convertible top compartment cover does NOT rest on the compartment cover locks (switches -F195 and -F196 open)

```
Read Measuring Value Block 1 →
01000110 01011010 00000110 11 00
```

Input signals - specified values:

Note:

The above switch combination must be achieved no later than 20 seconds after convertible top movement from previous position (test step 8).

Display field 2:

3rd digit: 0 =	The convertible top compartment cover does NOT rest on the compartment cover locks (switches -F195- and -F196- open)
5th digit: 1 =	The convertible top is completely open (stored) (switch -F171- dosed)
6th digit: 0 =	The convertible top is NOT closed (switch -F202- open)

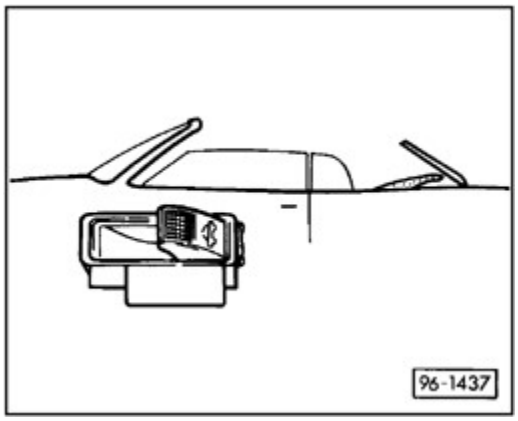
```
Read Measuring Value Block 2 →
01010 01000110
```

Output signals - specified values:

Display field 2:

7th digit: 1 =	Solenoid Valve 2 "close convertible top compartment cover" -N89- is activated
8th digit: 0 =	Solenoid valve 1 "open convertible top compartment cover" -N88- is NOT activated

Test step 10



Convertible top compartment cover begins to lower (close).

```
Read Measuring Value Block 1 →
01000110 01001010 00000110 11 00
```

Input signals - specified values:

Note:

The above switch combination must be achieved no later than 5 seconds after convertible top movement from previous position (test step 9).

Display field 2:

4th digit: 0 =	The convertible top compartment cover is NOT fully open (switch -F201- open)

The convertible top compartment cover is lowered (closed) further.

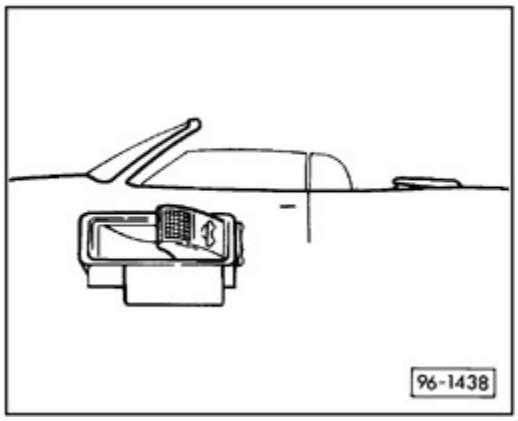
```
Read Measuring Value Block 2 →
01010 00000110
```

Output signals - specified values:

Display field 2:

2nd digit: 1 =	Solenoid Valve 7 "unlock convertible top compartment cover" -N94- is NOT activated

Test step 11



The convertible top compartment cover is lowered and rests on the compartment cover locks.

```
Read Measuring Value Block 1 →
01100110 01101010 00000110 11 00
```

Input signals - specified values:

Note:

The above switch combination must be achieved no later than 5 seconds after convertible top movement from previous position (test step 10).

Display field 1:

3rd digit: 1 =	The convertible top compartment cover rests on the compartment cover locks (switches -F195- and -F196- closed)

Display field 2:

3rd digit: 1 =	The convertible top compartment cover rests on the compartment cover locks (switches -F195- and -F196- closed)

The convertible top compartment cover is pulled tight by the compartment cover locks

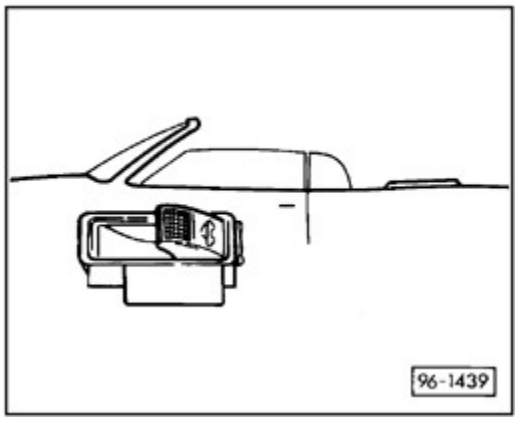
```
Read Measuring Value Block 2 →
01010 10000100
```

Output signals - specified values:

Display field 2:

1st digit: 1 =	Solenoid Valve 8 "lock convertible top compartment cover" -N186- is activated
7th digit: 0 =	Solenoid Valve 2 "close convertible top compartment cover" -N89- is NOT activated. => Test step 12

Test step 12



The convertible top compartment cover is locked, the trunk lid (luggage compartment) is unlocked and the convertible top is located in its end position.

```
Read Measuring Value Block 1 →
1010101010101010 00000110 11 00
```

Input signals - specified values:

Note:

The above switch combination must be achieved no later than 5 seconds after convertible top movement from previous position (test step 11).

Display field 1:

1st digit: 1 =	The convertible top compartment cover locks are locked (switches -F199- and -F200- closed)
2nd digit: 0 =	The convertible top compartment cover locks are NOT unlocked (switches -F197- and -F198- open)

```
Read Measuring Value Block 1 →
1010101010101010 00000110 11 00
```

Input signals - specified values:

Note:

The above switch combination must be achieved no later than 5 seconds after convertible top movement from previous position (test step 11).

Display field 2:

1st digit: 1 =	The convertible top compartment cover locks are locked (switches -F199- and -F200- closed)
2nd digit: 0 =	The convertible top compartment cover locks are NOT unlocked (switches -F197- and -F198- open)

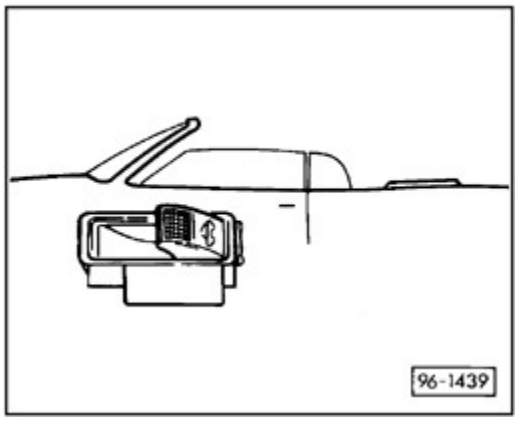
Note:

Pressing the → button will exit the measuring value block function. If this occurs, select "Read Measuring Value Block" function 08 once again.

```
Read Measuring Value Block 2 →
00000 00000000
```

Output signals - specified values:

Note:



When checking output signals, observe specified values only during top movement. When top movement is interrupted, additional solenoid valves for the holding function are triggered and measuring value block reading will change.

Display field 1:

2nd digit: 0 =	Convertible top hydraulic pump relay -J321- is NOT activated
4th digit: 0 =	Convertible top locked indicator light -K98- is NOT on

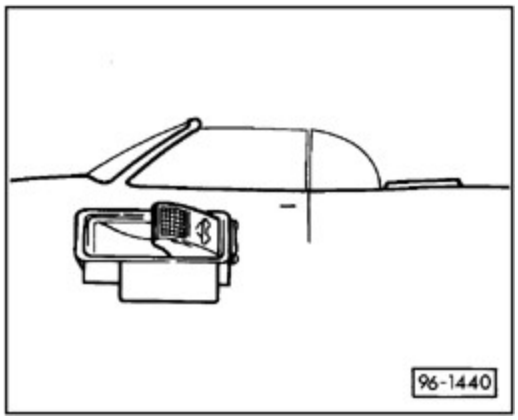
Display field 2:

1st digit: 0 =	Solenoid Valve 8 "lock convertible top compartment cover" -N186- and Solenoid valve 3 "open convertible top" -N90- are NOT activated
6th digit: 0 =	Solenoid Valve 8 "lock convertible top compartment cover" -N186- and Solenoid valve 3 "open convertible top" -N90- are NOT activated

Note.

In this step, the trunk locking motor -V53 is released and unlocked before the convertible top locked indicator light -K98- goes out.

Test step 13



- Pull out convertible top operation switch fully (within 20 seconds of previous test step).

```
Read Measuring Value Block 1 →
10101010 10101010 00000110 11 00
```

Input signals - specified values:

Display field 3:

7th digit: 1 =	Convertible top operation switch -E137- is pulled out fully (on) after the end of the top opening process

The side windows are closed completely.

```
Read Measuring Value Block 2 →
00100 00000000
```

Output signals - specified values:

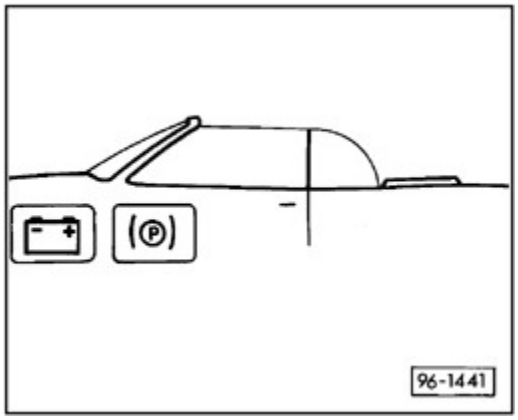
Note:

When checking output signals, observe specified values only during top movement. When top movement is interrupted, additional solenoid valves for the holding function are triggered and measuring value block reading will change.

Display field 1:

3rd digit: 1 =	The signal "raise windows" is activated until the convertible top operation switch is released; maximum 12 seconds

Convertible top, closing



Test requirements

- Convertible top open and side windows closed (after test steps 1-13)
- Trunk lid closed
- Ignition switched on
- Parking brake engaged (parking brake indicator light lights up)

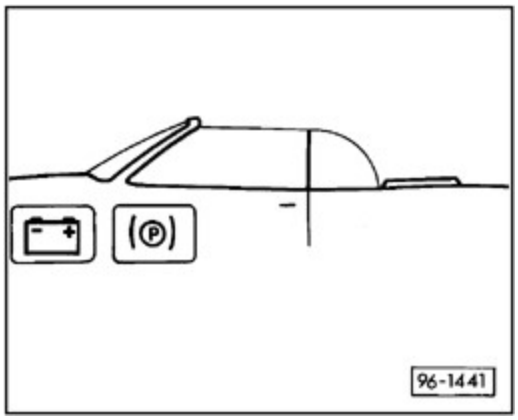
If starting function sequence checking procedure here => Read Measuring Value Block, => page 96-67

```
Read Measuring Value Block HELP
Input display group number XXX
```

Indicated on display

- Select desired display group number.
- For input signals input display group 001
- For output signals input display group 002
- Press -Q- button to confirm input.

Test step 14



Checking convertible top open position

```
Read Measuring Value Block 1 →
10101010 10101010 00000100 11 00
```

Input signals - specified values:

Display field 1:

2nd digit: 0 =	The convertible top compartment cover is NOT unlocked (switches -F197- and -F198- open)

3rd digit: 1 =	The convertible top compartment cover rests on the compartment cover locks (switches -F195- and -F196- closed)
7th digit: 1 =	The trunk lid is closed (switch -F206- closed)

```
Read Measuring Value Block 1 →
10101010 10101010 00000100 11 00
```

Input signals - specified values:

Display field 2:

2nd digit: 0 =	The convertible top compartment cover is NOT unlocked (switches -F197- and -F198- open)

3rd digit: 1 =	The convertible top compartment cover rests on the compartment cover locks (switches -F195- and -F196- closed)

4th digit: 0 =	The convertible top compartment cover is NOT open (raised) (switch -F201- open)

5th digit: 1 =	The convertible top is stored (fully open) (switch -F171- closed)
6th digit: 0 =	The convertible top is NOT closed (switch -F202- open)

8th digit: 0 =	The tensioning (roof) bow is NOT raised (switch -F204- open)

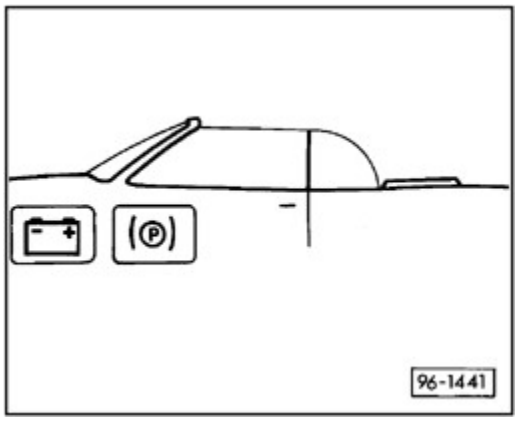
Display field 3:

5th digit: 0 =	Convertible top operation switch -E137- is NOT switched to the closing position

6th digit: 1 =	The parking brake is engaged (switch -F9- closed)
7th digit: 0 =	Convertible top operation switch -E137- is NOT switched to the opening position

Display field 4:

2nd digit: 1 =	Vehicle speed is less than 3 mph (5 km/h)



Output signals - specified values:

Note:

When checking output signals, observe specified values only during top movement. When top movement is interrupted, additional solenoid valves for the holding function are triggered and measuring value block reading will change.

```
Read Measuring Value Block 2 →
00000 00000000
```

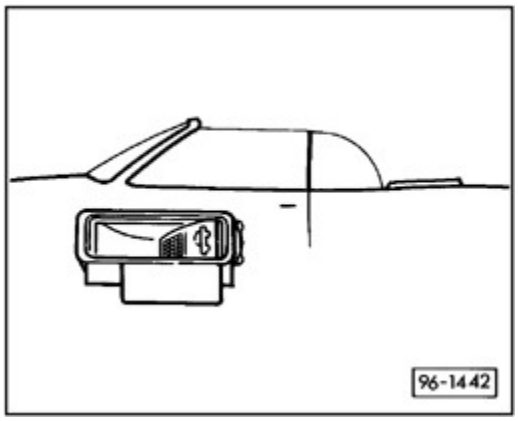
Output signals - specified values:

No component is activated.

Note:

Pressing the → button will exit the measuring value block function. If this occurs, select "Read Measuring Value Block" function 08 once again.

Test step 15



- Press down convertible top operation switch -E137-. (The windows are lowered and convertible top movement starts).

```
Read Measuring Value Block 1 →
10101010 10101000 00011100 11 00
```

Input signals - specified values:

Display field 3:

5th digit: 1 =	Convertible top operation switch -E137- is switched to the closing position

```
Read Measuring Value Block 2 →
01010 01000000
```

Output signals - specified values:

Display field 1:

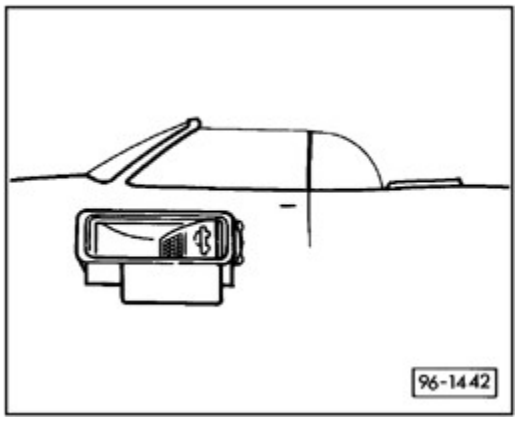
2nd digit: 1 =	Convertible top hydraulic pump relay -J321- is activated
4th digit: 1 =	Convertible top locked indicator light -K98- is activated
5th digit: 0 =	The side windows are lowered. This signal will be output for 1.5 seconds. A "1" will be displayed for 1.5 seconds and the power window opening relay -J291- will be activated to open the side windows

Display field 2:

2nd digit: 1 =	Solenoid Valve 7 "unlock convertible top compartment cover" -N94- is activated

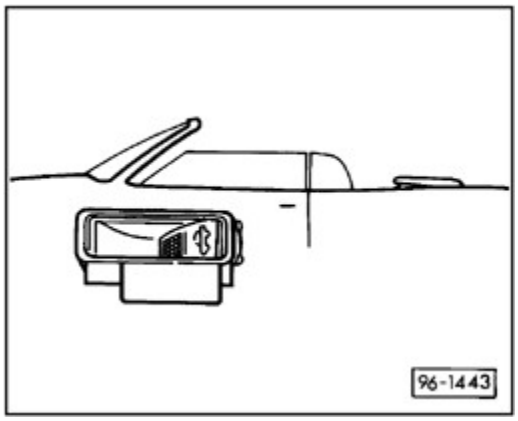
Notes:

- Pressing the → button will exit the measuring value block function. If this occurs, select "Read Measuring Value Block" function 08 once again.



- In this step, the luggage compartment lock is locked by the trunk lid locking motor -V53- via stepper motor 1 and the locking is secured by stepper motor 2.

Test step 16



Convertible top compartment cover is unlocked but not raised (opened).

```
Read Measuring Value Block 1 →
0110011001101010 00001100 11 00
```

Input signals - specified values:

Note:

The above switch combination must be achieved no later than 5 seconds after convertible top movement from previous position (test step 15).

Display field 1:

1st digit: 0 =	The convertible top compartment cover locks are NOT locked (switches -F199- and -F200- open)
2nd digit: 1	The convertible top compartment cover locks are unlocked (switches -F197- and

=	-F198- closed)
5th digit: 0 =	The trunk lid lock is NOT unlocked (switch for trunk lid locking motor -V53-)
6th digit: 1 =	The trunk lid lock is locked (switch for trunk lid locking motor -V53-)

Display field 2:

1st digit: 0 =	The convertible top compartment cover locks are NOT locked (switches -F199- and -F200- open)
2nd digit: 1 =	The convertible top compartment cover locks are unlocked (switches -F197- and -F198- closed)

Convertible top compartment cover starts to open (raise).

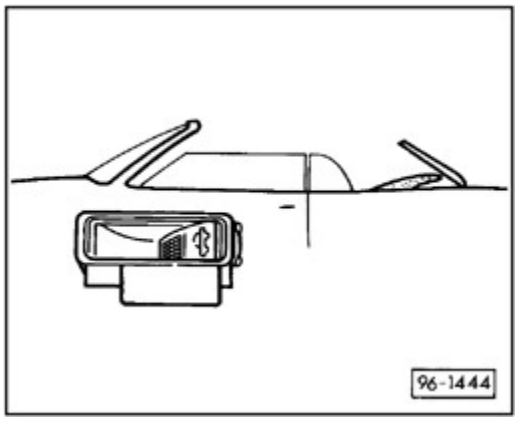
```
Read Measuring Value Block 2 →
01010 01000001
```

Output signals - specified values:

Display field 2:

2nd digit: 1 =	Solenoid Valve 1 "open convertible top compartment cover" -N88- is activated

Test step 17



Convertible top compartment cover is raised (opened) completely.

```
Read Measuring Value Block 1 →
01000110 01011010 00001100 11 00
```

Input signals - specified values:

Note:

The above switch combination must be achieved no later than 5 seconds after convertible top movement from previous position (test step 16).

Display field 3:

4th digit: 1 =	Convertible top compartment cover is completely opened (switch -F201- closed)

Convertible top begins to close (raise from compartment).

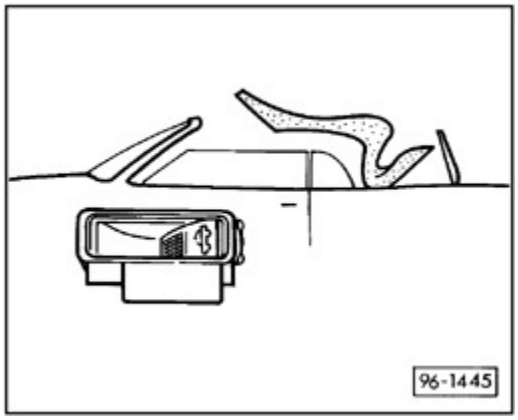
```
Read Measuring Value Block 2 →
01010 01001001
```

Output signals - specified values:

Display field 2:

5th digit: 1 =	Solenoid valve 4 "close convertible top" -N91- is activated

Test step 18



Convertible top closes.

```
Read Measuring Value Block 1 →
01000110 01010100 00001100 11 00
```

Input signals - specified values:

Note:

The above switch combination must be achieved no later than 20 seconds after convertible top movement from previous position (test step 17).

Display field 2:

5th digit: 0 =	The convertible top is NOT fully open (stored) (switch -F171- open)
6th digit: 1 =	The convertible top is up and forward (switch -F202- closed)

The tensioning (roof) bow moves to stowed position.

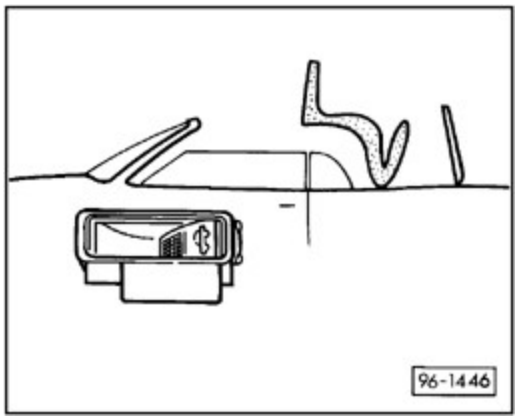
```
Read Measuring Value Block 2 →
01010 01011001
```

Output signals - specified values:

Display field 2:

4th digit: 1 =	Solenoid Valve 5 "stow tensioning (roof) bow" -N92- is activated

Test step 19



The tensioning (roof) bow is in stowed position.

```
Read Measuring Value Block 1 →
01000110 01010110 00001100 11 00
```

Input signals - specified values:

Note:

The above switch combination must be achieved no later than 20 seconds after convertible top movement from previous position (test step 18).

Display field 1:

3rd digit: 0 =	The convertible top compartment cover does NOT rest on the compartment cover locks (switches -F195- and -F196- open)

```
Read Measuring Value Block 1 →
01000110 01010110 00001100 11 00
```

Input signals - specified values:

Note:

The above switch combination must be achieved no later than 20 seconds after convertible top movement from previous position (test step 18).

Display field 2:

3rd digit: 0 =	The convertible top compartment cover does NOT rest on the compartment cover locks (switches -F195- and -F196- open)
7th digit: 1 =	The tensioning (roof) bow is in stowed position (switch -F203- closed)
8th digit: 0 =	The tensioning (roof) bow is NOT raised (extended) (switch -F204- open)

The convertible top compartment cover starts closing.

```
Read Measuring Value Block 2 →
01010 01011010
```

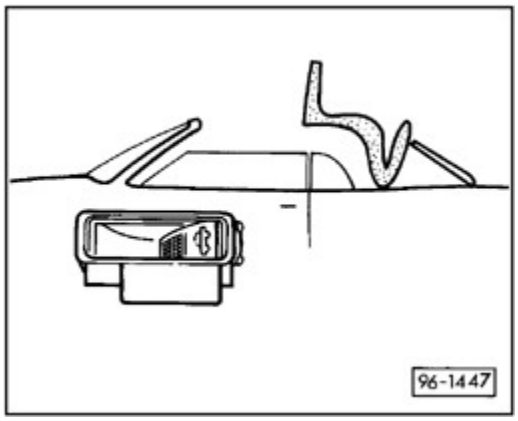
Output signals - specified values:

Display field 2:

7th digit: 1 =	Solenoid Valve 2 "close convertible top compartment cover" -N89- is activated
8th digit: 0 =	Solenoid Valve 1 "open convertible top compartment cover" -N88- is NOT activated

The convertible top compartment cover starts closing.

Test step 20



Convertible top compartment cover lowers (closes) slightly.

```
Read Measuring Value Block 1 →
01000110 01000110 00001100 11 00
```

Input signals - specified values:

Note:

The above switch combination must be achieved no later than 5 seconds after convertible top movement from previous position (test step 19).

Display field 2:

4th digit: 0 =	The convertible top compartment cover is NOT fully open (switch -F201- open)

The convertible top compartment cover is lowered completely (closed).

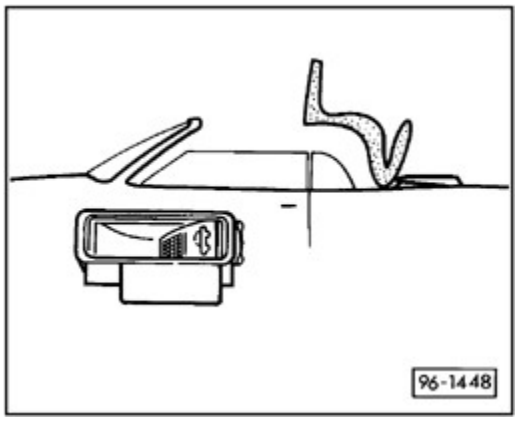
```
Read Measuring Value Block 2 →
01010 00011010
```

Output signals - specified values:

Display field 2:

2nd digit: 0 =	Solenoid valve 7 "unlock convertible top compartment cover" -N94- is switched off

Test step 21



The convertible top compartment cover rests on the compartment cover locks.

```
Read Measuring Value Block 1 →
01100110 01100110 00001100 11 00
```

Input signals - specified values:

Note:

The above switch combination must be achieved no later than 5 seconds after convertible top movement from previous position (test step 20).

Display field 1:

3rd digit: 1 =	Convertible top compartment cover rests on the compartment cover locks (switches -F195- and -F196- closed)

```
Read Measuring Value Block 1 →
01100110 01100110 00001100 11 00
```

Input signals - specified values:

Note:

The above switch combination must be achieved no later than 5 seconds after convertible top movement from previous position (test step 20).

Display field 2:

3rd digit: 1 =	Convertible top compartment cover rests on the compartment cover locks (switches -F195- and -F196- closed)

The convertible top compartment cover is being locked.

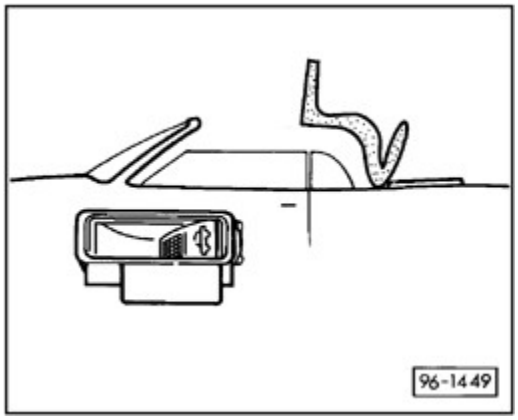
```
Read Measuring Value Block 2 →
01010 10001000
```

Output signals - specified values:

Display field 2:

1st digit: 1 =	Solenoid valve 8 "lock convertible top compartment cover" -N186- is activated
4th digit: 0 =	Solenoid valve 5 "stow tensioning (roof) bow" -N92- is NOT activated
7th digit: 0 =	Solenoid valve 2 "close convertible top compartment cover" -N89- is NOT activated.

Test step 22



The convertible top compartment cover is locked.

```
Read Measuring Value Block 1 →
1010101010100110 00001100 11 00
```

Input signals - specified values:

Note:

The above switch combination must be achieved no later than 5 seconds after convertible top movement from previous position (test step 21).

Display field 1:

1st digit: 1 =	The convertible top compartment cover locks are locked (switches -F199- and -F200- closed)
2nd digit: 0	The convertible top compartment cover locks are NOT unlocked (switches -

=	F197- and -F198- open)

Display field 2:

1st digit: 1 =	The convertible top compartment cover locks are locked (switches -F199- and -F200- closed)
2nd digit: 0 =	The convertible top compartment cover locks are NOT unlocked (switches -F197- and -F198- open)

The tensioning bow starts to raise (front and rear of top are lowered).

```
Read Measuring Value Block 2 →
01010 00101000
```

Output signals - specified values:

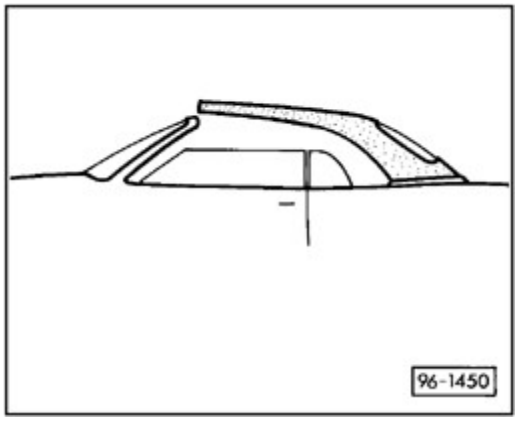
Display field 2:

1st digit: 0 =	Solenoid valve 8 "lock convertible top compartment cover" -N186- is NOT activated
3rd digit: 1 =	Solenoid valve 6 "raise tensioning bow" -N93- is activated

Note:

In this test step, the trunk lid locking motor -V53- is not activated and is unlocked.

Test step 23



The tensioning (roof) bow is fully raised (front and rear of top are fully lowered).

```
Read Measuring Value Block 1 →
10101010 10100101 00000100 11 00
```

Input signals - specified values:

Note:

The above switch combination must be achieved no later than 20 seconds after convertible top movement from previous position (test step 22).

Display field 2:

7th digit: 0 =	The tensioning (roof) bow is NOT in stowed position (switch -F203- open)
8th digit: 1 =	The tensioning (roof) bow is in raised (extended) position (switch -F204- closed)

Convertible top movement is ended; pull convertible top fully closed by hand and lock.

```
Read Measuring Value Block 2 →
00010 00000000
```

Output signals - specified values:

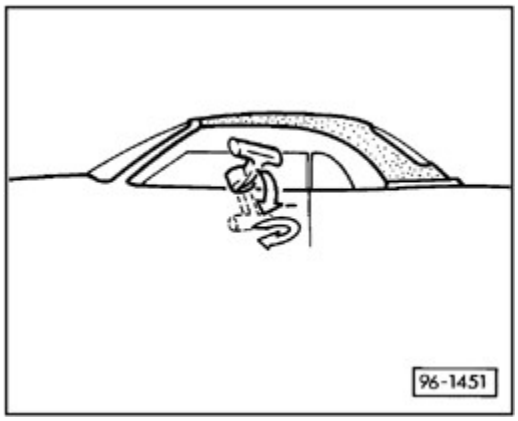
Display field 1:

2nd digit: 0 =	Convertible top hydraulic pump relay -J321- is NOT activated

Display field 2:

3rd digit: 0 =	Solenoid valve 6 "raise tensioning bow" -N93- is NOT activated
5th digit: 0 =	Solenoid valve 4 "close convertible top" -N91- is NOT activated

Test step 24



- Lock convertible top with latch.

```
Read Measuring Value Block 1 →
10111011 10100101 00000100 11 00
```

Input signals - specified values:

Display field 1:

4th digit: 1 =	The convertible top is locked (switch -F205- closed)
8th digit: 1 =	The convertible top rests on the roof frame (switch -F172- closed)

```
Read Measuring Value Block 2 →
00000 00000000
```

Output signals - specified values:

Note:

When checking output signals, observe specified values only during top movement. When top movement is interrupted, additional solenoid valves for the holding function are triggered and measuring value block reading will change.

Display field 1:

4th digit: 0 =	As soon as the convertible top is locked, convertible top locked indicator light -K98- goes out

- Check and erase DTC memory => page 01-11.