Airbag warning light activated:
Diagnostic trouble code 1217 and/or 1218 in airbag control unit fault memory

Vehicle Type: **Cayenne / Cayenne S / Cayenne Turbo**

Model Year: **03 (3) and 04 (4)**

Concerns: **Side airbag**

Situation: **- Airbag warning light activated in multi-function display,**
- Diagnostic trouble code 1217 and/or 1218 in fault memory of airbag control unit.

Note: On the driver and passenger seat, contact difficulties can occur in the plug connection between the side airbag and the wire harness.

When the fault type occurs, the airbag light is activated and diagnostic trouble code **1217** and/or **1218** is stored with the fault type "**upper limit value exceeded"** in the fault memory of the airbag control unit.

Measure: In case of complaints, the side airbag plug connection must be removed on **both front seats** and replaced by crimp cable connection.

For procedure → as of page 2.

Tools: CARTOOL repair kit for Cayenne (the following will be needed: 2x cable connection from suitcase 4/1; 2x shrink-fit hose with melting insert from suitcase 4/3)
Cloth adhesive tape or insulating tape
Clean cloth/surface (approx. 100 x 100 cm)
Tie-wrap
Hot-air gun
Porsche System Tester 2 (PST2) or PIWIS-Tester

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Procedure: Remove the side airbag plug connection on both front seats and replace by crimp cable connection. To do this, the front seats must be removed and reinstalled.

1 Introductory work.

DANGER

Danger of injury and material damage when working on or in the airbag system.

➢ The following procedure does not replace the information in the Workshop Manual and the warnings listed therein.

1.1 Remove driver and passenger seat, → POSES, Workshop Manual, Cayenne, Gr. 7, 72 01 19 – Removing and reinstalling front seat.

Note:

On vehicles with the individual equipment "additional battery", it is not necessary to disconnect the additional battery.

1.2 Take the front seats out of the vehicle. Set the seats with backrest on a clean cloth or surface.

2 Release the plug connection (driver's seat).

2.1 Disengage the right tensioning strap of the backrest cover (Figure 1, arrow A).

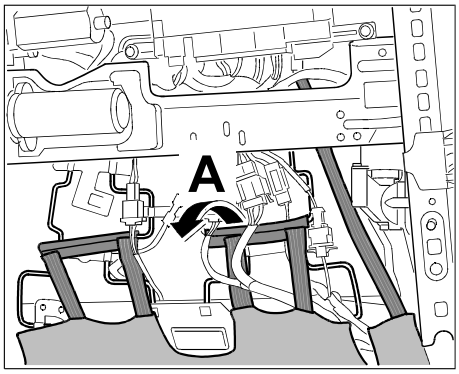


Bild...Figure...ill...figura...fig 1

2.2 Slide back locking mechanism of side airbag connector (Figure 2, arrow **A)** and pull out of the socket of side airbag (arrow **B)**.

2.3 Then release side airbag connector on seat frame (**arrow C**) and push out towards the front (**arrow D**).

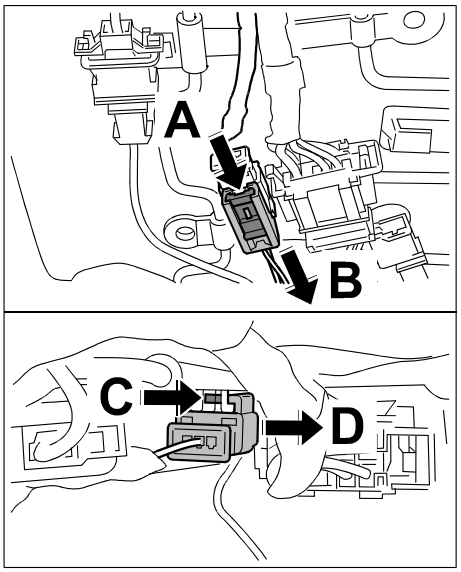


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Procedure:

2.4 Unclip side airbag wire harness from the bracket on the front seat suspension. (The bracket is installed behind the control unit for memory seat adjustment).

2.5 Release connector of ground strap from side airbag (Figure 3, Item 1) and pull out of the socket.

2.6 Release the connector bracket on the rear seat suspension and pull off socket of the ground strap (arrow A).

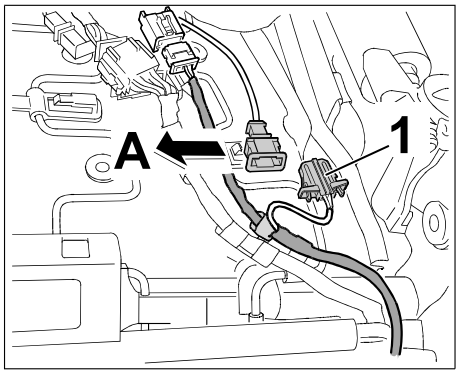


Bild...Figure...ill...figura...fig 3

3 Replace previous plug connection by butt joint.

3.1 Position both lines of the control unit-sided wire harness flush on the connector and cut through them **individually** (Figure 4).

3.2 Position 2 lines coming from side airbag flush on the socket and cut through them **individually**.

3.3 Unwrap chafing prevention tape to a length of approx. 70 mm on the side airbag wire harness (clearance to slide on the shrink-fit hoses).

3.4 Slide on a shrink-fit hose onto the **blue** line of side airbag wire harness.

3.4.1 Strip the blue lines of the side airbag and the wire harness on the control unit side to a length of approx. 8 mm.

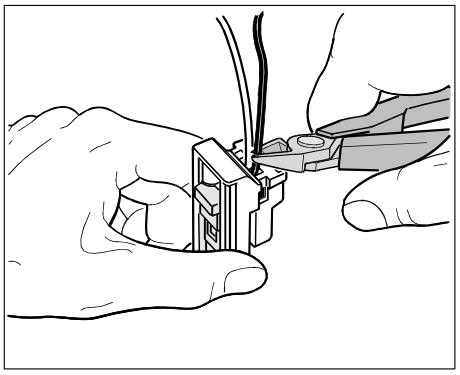


Bild...Figure...ill...figura...fig 4

3.4.2 Crimp both blue lines with a cable connection.

3.5 Work through **black** line of the side airbag or control unit wire harness in the same way (= fit shrink-fit hose, strip lines 8 mm, crimp with cable connection).

3.6 Position each shrink-fit hose over the cable connection and shrink-fit with a hot-air gun (Figure 5).

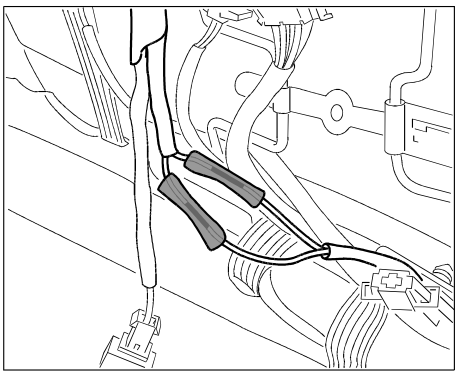


Bild...Figure...ill...figura...fig 5

Procedure:

4 Complete the modified wire harness.

4.1 Wrap the unwound chafing prevention tape on the modified wire harness around and over the cable connection position.
Complete the modified wire harness with cloth adhesive tape or commercially available insulating tape.

4.2 Clip in the socket of ground strap (Figure 6, Item 1) in the connector bracket of the rear seat suspension and connect with connector of side airbag ground strap (Item 2).

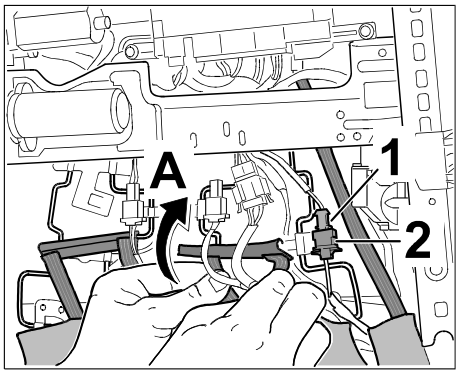


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4.3 Clip in the modified wire harness on the connector bracket (= position of previous side airbag plug connection) and tighten to the seat suspension with a tie-wrap.

4.4 Engage the right tensioning strap of the backrest cover (Figure 6, arrow A).

5 Modify plug connection on passenger's seat.

5.1 Carry out the work listed from item 2 to item 4.4 on passenger's seat.

6 Concluding work.

6.1 Install front seats.

6.2 Erase fault memory in airbag control unit with PST2 or PIWIS Tester.

Working Time:

69 63 42 00	Replacing plug connection of front side airbag on both sides by crimp connector.	**230 TU**
Includes:	Removing and reinstalling front seats.	

References:

POSES, Workshop Manual, Cayenne:

> Group 2: 27 06 19 – Removing and reinstalling battery

> Group 6: 69 – Safety regulations for handling vehicles with airbag and belt tensioner
69 01 00 – Airbag diagnostic

> Group 7: 72 01 19 – Removing and reinstalling front seat.

> Group 9: 9 – Work instructions after disconnecting the battery

POSES, Technical Information, Cayenne:

> Group 6: 6963 – Airbag warning light activated (No. 9/04)

Workshop Equipment Manual:

> Group 2.4 / No. 155-1: Repair set for harnesses, Cartool Co.

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