

Symptom-based workshop manual

Service

37/25 ENU 9709

9

Red Warning Message "Vehicle Electrical System Malfunctioning" in the Instrument Cluster in Conjunction with the Fault Memory Entry "B114811" in the Rear-End Electronics Control Unit (SY 37/25)

Model Line: **Cayenne (9YA / 9YB)**

Model Year: **As of 2018 up to 2025**

Concerns: **Signal line terminal 15**

Symptom: **The customer complains about a red warning message "Vehicle electrical system malfunctioning - stop vehicle safely" and, in some cases other yellow or white messages in the instrument cluster.**

The following fault memory entry is stored in the fault memory of the rear-end electronics control unit:

- **B114811** - Terminal 15 signal, short circuit to ground (010015)

Cause: The signal line for terminal 15 may be resting on the air-conditioning compressor and the oil pan due to the line routing. This can lead to damage to the bandaging of the wire harness and the electrical lines over the service life.

Malfunction and short circuits may be caused depending on the damage present. As a planned safety response, a short circuit at terminal 15 can possibly cause deactivation of the engine by the control unit.

Remedial Action: If there is a customer complaint, check wire harness in air-conditioning compressor and oil pan area and repair if necessary.

Required material

Material: **Required materials** (usually already available in the Porsche Center)

Part No.	Designation	Quantity
...	⇒ Anti-abrasion tape	Quantity as required

Required tools

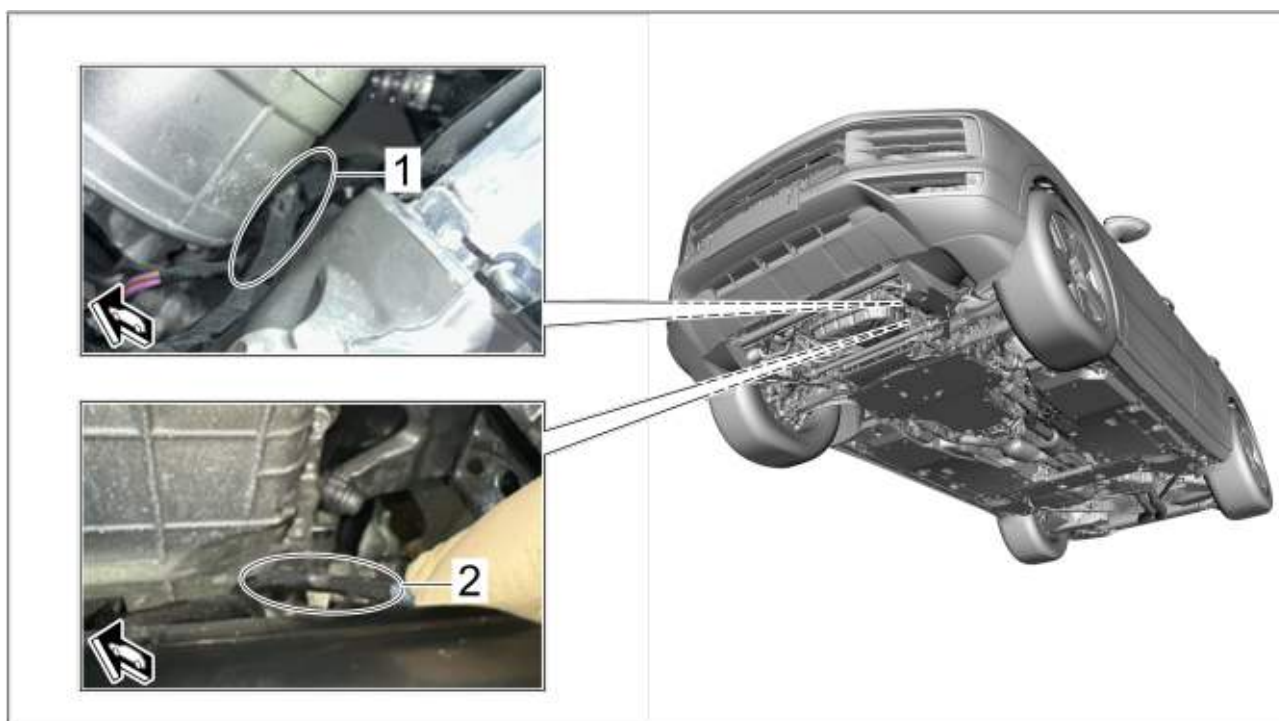
Tool: ▪ Torque wrench, 2-10 Nm (1.5-7.5 ftlb.), e.g. **V.A.G 1783 - torque wrench, 2-10 Nm (1.5-7.5 ftlb.)**

Check wire harness and repair it if necessary

- Work Procedure: 1 Remove front underbody cover.
 ⇒ Workshop Manual '51921901 Removing and installing front underbody cover'
- 2 Check wire harness in air-conditioning compressor and oil pan area.

Assessment		Action
(✓)	Wire harness is not damaged .	Wire harness is ok . Continue troubleshooting in some other way.
(x)	Wire harness is damaged .  Abrasion point for air-conditioning compressor and oil pan	The wire harness is not OK . Repair wire harness. Then continue with Step ⇒ 3.

- 3 Wrap wire harness **over large areas** in the contact points of the air-conditioning compressor ⇒ *Contact points for wire harness on air-conditioning compressor and oil pan -1-* and oil pan ⇒ *Contact points for wire harness on air-conditioning compressor and oil pan -2-* with commercially available anti-abrasion tape.



Contact points for wire harness on air-conditioning compressor and oil pan

- 4 Install front underbody cover.
⇒ Workshop Manual '51921901 Removing and installing front underbody cover'

Labor position and PCSS encryption

Labor position:

APOS	Labor operation	I No.
97094945	Check wire harness	
97094946	Repair wire harness	

PCSS encryption:

Location (FES5)	97090	Main wire set
Damage type (SA4)	4013	Short circuit

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