

Technical Information

Service

35/26 ENU 9709

9

Malfunction Indicator Light Active / Warning Message All-Wheel Drive Disturbed: Fault Memory Entry "U140500 - Terminal 15, Signal Implausible" in Various Control Units (35 / 26)

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

Model Year: **As of 2024 up to 2026**

Concerns: **Main wire harness in passenger compartment, front left**

Information: **Customers complain about the malfunction indicator light lighting up or the warning message "All-wheel drive disturbed" appearing on the instrument cluster.**

The following fault memory entry is stored in the fault memory of the airbag (J234) / all-wheel electronics (PTM) / Connect / Gateway control units:

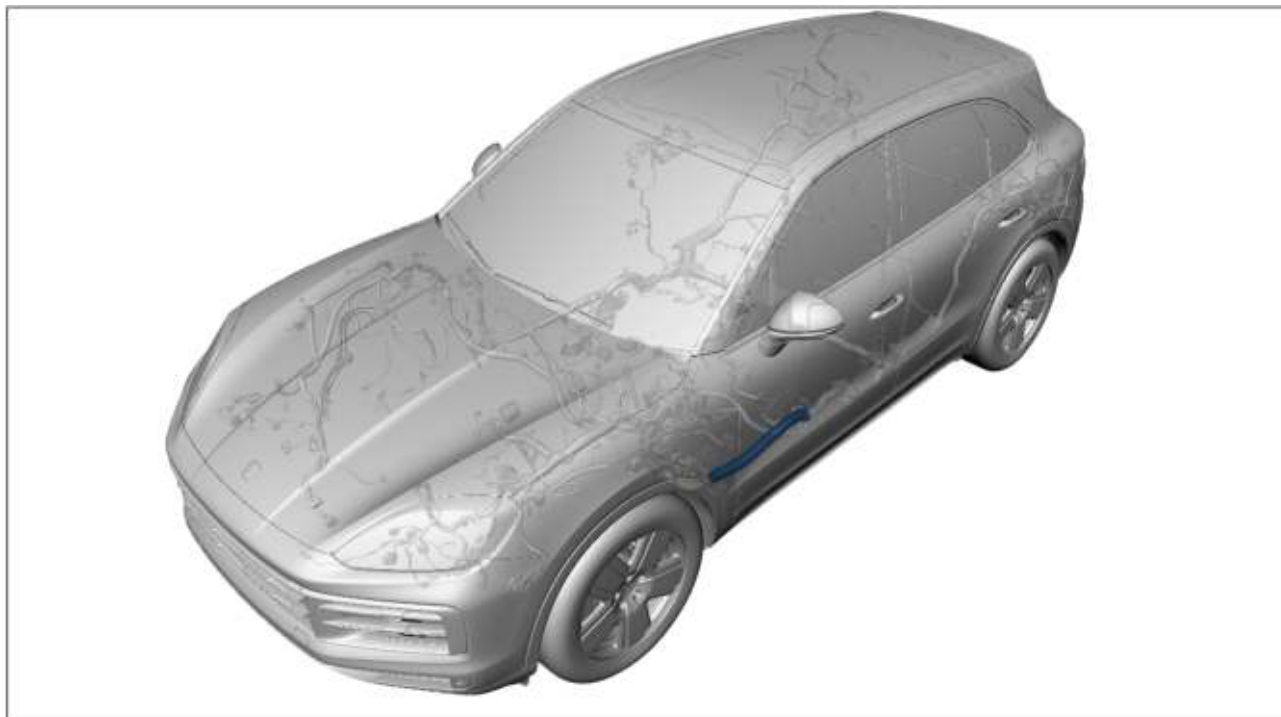
- **U140500** - Terminal 15, signal implausible (D40500 / 007550 / 010201)

This complaint can be caused by unsealed splice connections on the main wire harness in the front left passenger compartment being corroded by condensation.

Action: In the event of a complaint and if the specified fault memory entry is stored, check the splice connections on the main wire harness in the front left passenger compartment for corrosion and repair if necessary.

Installation

Position:



Installation position: front left main wire harness (splice connections area)

Required tools

Tools:

- 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.)**
- Torque wrench, 20-100 Nm (15-74 ftlb.), e.g., **VAS 5820A - torque wrench, 20-100 Nm (15-74 ftlb.)**

Additional required tools for reworking the splice connections:

- **P90999 - Porsche Tester 4**
- Battery charger with a current rating of **at least 90 A** and a **current and voltage-controlled charge map** for lithium starter batteries, e.g., **VAS 5908 battery charger 90 A**. For further information about the battery chargers to be used, see the corresponding Workshop Manual. ⇒ *Workshop Manual '270689 Charging the vehicle electrical system battery'*



Information

Additional required tools for reworking the splice connections, are to be determined independently in accordance with the valid Workshop Manual in PCSS.

Required parts

Part Information:	Part No.	Designation – Location of use	Quantity
	N 91205201	⇒ Cheese head bolt with multiple-tooth head (instrument cluster) – Front seat	4 piece(s)

Preparatory work

- Work Procedure: 1 Remove the left inner door sill trim.
⇒ *Workshop Manual '680519A3 Removing and installing inner door sill trim'*
- 2 Remove the dashboard cover (on driver's side).
⇒ *Workshop Manual '702219A3 Removing and installing the dashboard cover (on driver's side)'*
- 3 Remove the left A-pillar trim panel (lower part).
⇒ *Workshop Manual '705719A5 Removing and installing the A-pillar trim panel (lower part)'*
- 4 Loosen the left front seat.
For work procedure, see: ⇒ *Workshop Manual '720119A6 Removing and installing the front seat'*
- 5 Lift up the front left floor covering until the main wire harness is accessible.
For work procedure, see: ⇒ *Workshop Manual '704119A4 Removing and installing the front floor covering'*
- 6 Expose electrical cables on the main wiring harness.
⇒ *Exposed main wire harness in the passenger compartment, front left.*



Exposed main wire harness in the passenger compartment, front left.

Checking splice connections and reworking if necessary



Information

Document the necessary rework on the main wire harness / splice connections and attach them to the process in PCSS.

- Work Procedure: 1 Check splice connections on the exposed main wire harness for corrosion and ⇒ *Corroded splice connection (shown as an example) -1-* repair corroded splice connections if necessary.
For work procedure, see: ⇒ *Workshop Manual '9797INA1 Information on electric crimp / splice connections'*



Information

The required material for repairing splice connections can be viewed on the TKR homepage (tkr-connector.com) and ordered via TKR.



*Corroded splice connection
(shown as an example)*

Follow-up actions

- Work Procedure: 1 Wrap the exposed main wiring harness with fabric tape.
- 2 Install front left floor covering.
⇒ *Workshop Manual '704119A4 Removing and installing the front floor covering'*
- 3 Install the left front seat.
⇒ *Workshop Manual '720119A6 Removing and installing the front seat'*
- 4 Install the left A-pillar trim panel (lower part).
⇒ *Workshop Manual '705719A5 Removing and installing the A-pillar trim panel (lower part)'*
- 5 Install the dashboard cover (on driver's side).
⇒ *Workshop Manual '702219A3 Removing and installing the dashboard cover (on driver's side)'*
- 6 Install the inner left door sill trim.
⇒ *Workshop Manual '680519A3 Removing and installing inner door sill trim'*

Labor position and PCSS encryption



Information

The specified labor position refers to the exposure of the main wire harness and assembly after repairs have been carried out. The labor time for repairing the affected splice connections must be determined and documented independently.

Labor position:

APOS	Labor operation	I No.
97090940	Loosening and securing the main wire harness (preliminary work)	
97094140	Repairing the main wire harness (splice connections)	

PCSS encryption:

Location (FES5)	97090	Main wire harness
Damage type (SA4)	3311	Surface corrosion

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