

Complaint Regarding the Camera View (Real Top View) in the PCM Central Display (03/26)

Model Line: **Panamera (YAA / YAB)**

Model Year: **As of 2024**

Equipment: **ParkAssist incl. Surround View (M-no. KA6)**

Concerns: **Signal lines and plug contacts for the Real Top View cameras**

Information: **The customer complains that the Real Top View in the central display fails sporadically, partially or completely.**

In rare cases, this fault can be caused by an **outdated** software release of the control unit for assistance systems (ZFAS).

In the event of unfavorable specific component tolerances, a faulty plug contact on the signal lines of the cameras can, in individual cases, cause the fault type even after a software update.

Action: If there is a customer complaint, check the software release of the assistance systems control unit (ZFAS) and, depending on the test result, either

- Re-program the assistance systems control unit (ZFAS) using the Porsche Tester.

or, if the current software is installed on the assistance systems control unit,

- rework the signal lines and plug contacts of the mirror cameras.

Required tools

- Tools:
- **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'*

Additional tools required for replacing signal lines and connector contacts:

- 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.)**
- **VAS 6720 - Antenna line repair set**
- Plastic wedge, commercially available
- Cable pull-in aid, commercially available **or** welding wire with bent ends
- PNATI0326 — Measuring adapter

*Measuring Adapter (PNATI0326)***Required parts as necessary****Information**

PNATI0326 has been released as a minimum required tool by Porsche Special Tools & Equipment. Please see **SPTL2605** for auto-shipment information.

Additional units can be ordered through the Special Tools & Equipment Webstore (part no. **PNATI0326**) or through TKR USA (part no. **WEB-KIT-000021**)

Part
Information:

Part No.	Designation	Number
9J1998045A	⇒ 6m antenna line	1 piece(s)
...*	⇒ Plug contact, female (5 pieces)	1 piece(s)
...*	⇒ Plug contact, male (5 pieces)	1 piece(s)
...	⇒ Spacer / cable holder – Commercially available	2 piece(s)

**Information**

*The plug contacts required for this Technical Information (TI) are currently not yet available via Porsche AG (PAG) (status April 2026). Until availability, the required contacts must be removed from the repair kit **VAS 6720 – repair kit for antenna lines**.

Materials:

Required materials (usually already available in the Porsche Center)

Part No.	Designation	Quantity
...	⇒ Fabric tape, approx. 19 mm wide – e.g. TESA 51026	As required
...	⇒ Cable tie – Commercially available	As required

Check release of the control unit for assistance systems (ZFAS) software

- Work Procedure:
- 1 Connect and switch on the battery charger.
⇒ *Workshop Manual '270689A6 Charging the vehicle electrical system battery'*
 - 2 Place original remote control in emergency start tray.
 - 3 Connect **P90999 - Porsche Tester 4**, switch on the ignition and start the diagnostic application.
 - 4 Check release of assistance systems control unit software.
 - 4.1 In the '**Overview**', select the '**Assistance Systems**' control unit and confirm with **F12** ("Next").
 - 4.2 Select the '**Extended identifications**' tab and check the software release.

Assessment	Action
If the software release is "0511" .	The software release is up-to-date. Install new signal lines and rework plug contacts at the door connection points if necessary. Continue with: ⇒ <i>Technical Information '270689A6 Install new signal lines and rework the plug contacts at the door connection points if necessary'</i>
Software release is not "0511" :	The software release does not match the current version. Re-program control unit for assistance systems (ZFAS) Check whether campaigns for reprogramming assistance systems are available for the respective affected vehicle and carry them out if necessary. If the affected vehicle is not impacted by a campaign, continue with: ⇒ <i>Technical Information '270689A6 Failure of one or more cameras (Real Top View) in the PCM central display (34/25)'</i> End of action.

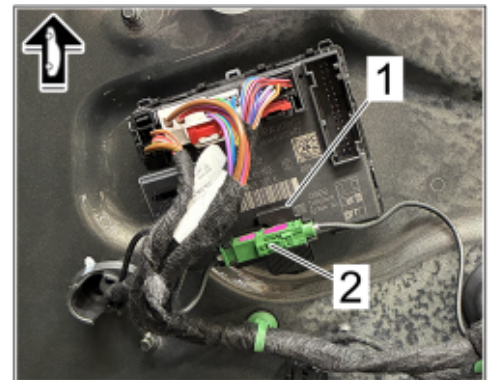
Install new signal lines and rework the plug contacts at the door connection points if necessary**Information**

Reworking is only required if the assistance systems control unit has already been programmed in the past with the software **0511** and the complaint has occurred again. Otherwise, it is only necessary to program the control unit for assistance systems.

**Information**

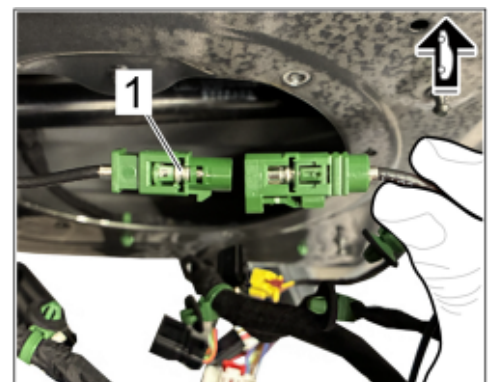
The rework of the signal lines is described on the front right door as an example. The rework on the front left door is almost identical.

- Work Procedure:
- 1 Loosen the earth strap for the vehicle electrical system battery.
⇒ Workshop Manual '978509A1 Loosen and secure earth strap for battery'
 - 2 Remove the front right loudspeaker (door).
⇒ Workshop Manual '914119A3 Removing and installing front loudspeaker (door)'
 - 3 Loosen, release and disconnect signal line on door control unit ⇒ Front door signal line connection point -1- and electric plug connection ⇒ Front door signal line connection point -2-.



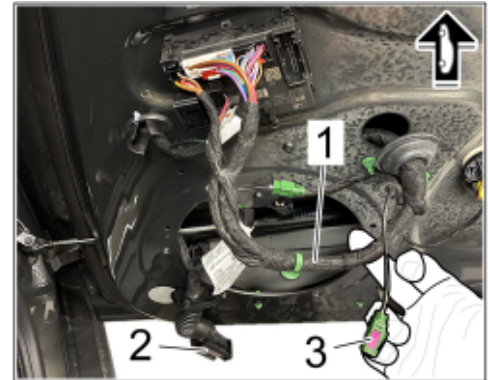
Front door signal line connection point

- 4 **Replace the plug contact on the mirror wire harness.**
Replace plug contact ⇒ Plug contact on mirror side -1- of the signal line (coming from the rear-view mirror camera).
For work procedure, see: ⇒ Workshop Manual '912841C8 Repairing antenna cable'



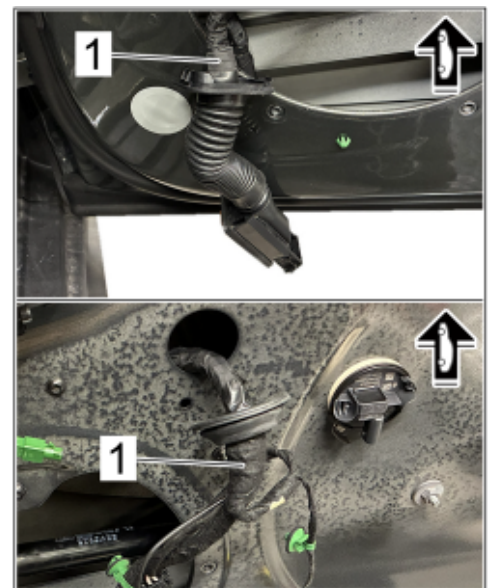
Plug contact on mirror side

- 5 Expose the electric wire harness ⇒ *Electric wire harness of the door connection point to the rear-view mirror camera connection point -1-* from the door connection point ⇒ *Electric wire harness of the door connection point to the rear-view mirror camera connection point -2-* to the connection point of the rear-view mirror camera signal line ⇒ *Electric wire harness of the door connection point to the rear-view mirror camera connection point -3-*.
For work procedure, see: ⇒ *Workshop Manual '973219B2 Removing and installing front door wire harness (bodyshell)'*



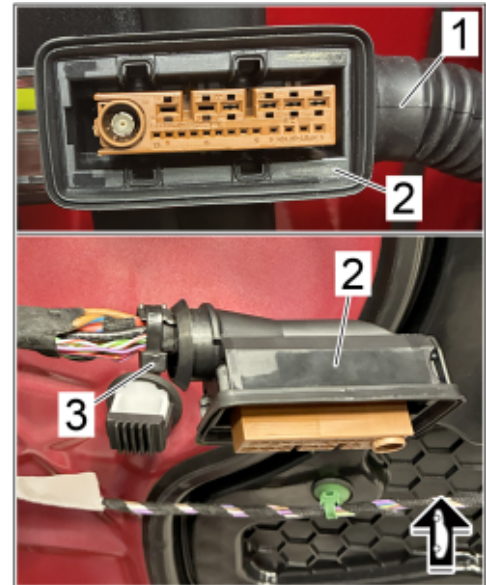
Electric wire harness of the door connection point to the rear-view mirror camera connection point

- 6 Remove fabric tape from the grommets ⇒ *Electric door wire harness, front -1-*.



Electric door wire harness, front

- 7 Disconnect grommet ⇒ *Electric plug connection at the door connection point (door side) -1-* from electric plug connection at the door connection point ⇒ *Electric plug connection at the door connection point (door side) -2-* and ⇒ *Electric plug connection at the door connection point (door side) -3-* loosen the cable tie.



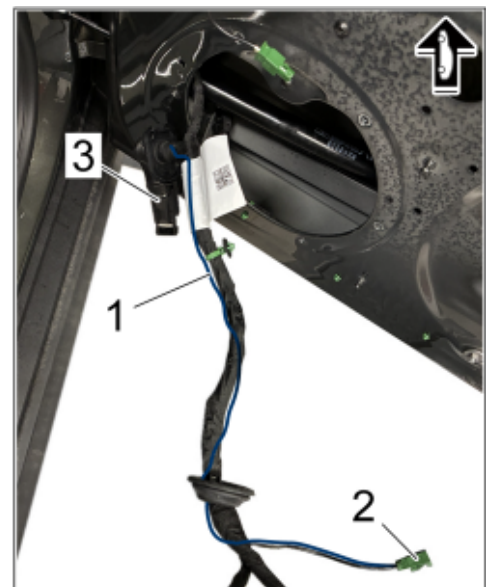
Electric plug connection at the door connection point (door side)

- 8 Cut the **new** signal line ⇒ *New signal line on electric wire harness -1-* to approx. **1.5 m / 4.92 ft** and route it along the electric wire harness from the connection point of the rear-view mirror camera ⇒ *New signal line on electric wire harness -2-* to the plug at the door connection point ⇒ *New signal line on electric wire harness -3-*.



Information

Make sure that the plug contact fitted on the signal line is at the rear-view mirror camera connection point.
The existing plug contact must not be fitted on the door connection point plug.



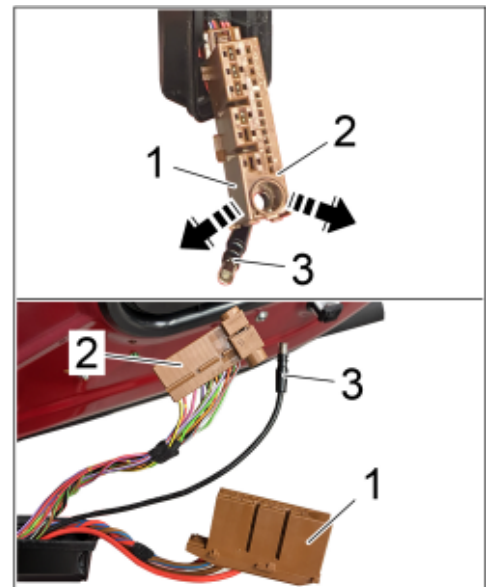
New signal line on electric wire harness

- 9 Release connector housing for door connection point
 ⇒ Connector housing for door connection point -1- in
 ⇒ Connector housing for door connection point -**Arrow direction**- and pull it out of the mounting housing ⇒
 Connector housing for door connection point -2-.



Connector housing for door connection point

- 10 Disassemble connector housing and pull it out of the ⇒
 Signal line in connector for door connection point -3-
 plug contact of the signal line.
 - 10.1 Open outer section ⇒ Signal line in connector
 for door connection point -1- of connector
 housing slightly in ⇒ Signal line in connector
 for door connection point -**Arrow direction**-.
 - 10.2 Push out inner section ⇒ Signal line in
 connector for door connection point -2- of
 connector housing.
 - 10.3 Pull out plug contact ⇒ Signal line in connector
 for door connection point -3- of the signal line.



Signal line in connector for
door connection point



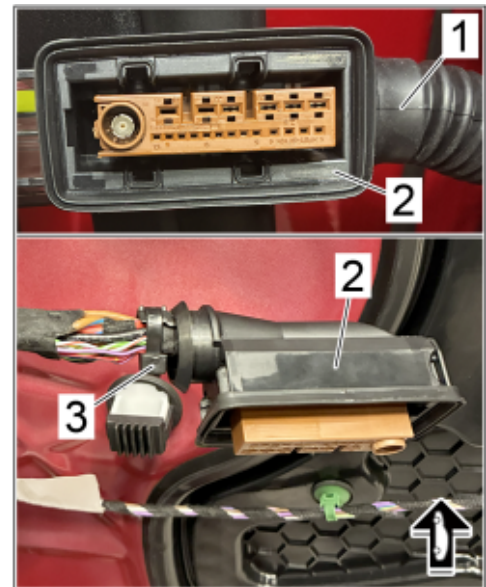
Information

When crimping and routing the new signal line, ensure that the line is installed without tension and without mechanical preloads.

- 12 Fasten connector housing for door connection point in the mounting housing using a **new** plug contact⇒
Electric plug connection at the door connection point (door side) -2-. Fit **new** cable tie⇒*Electric plug connection at the door connection point (door side) -3-.*
- 13 Disconnect the previous signal line at a suitable point and connect it to the electric wire harness.

**Information**

If fabric tape has been opened or removed from the electric wire harness in the area below the grommet, re-attach it.
⇒ *Fabric tape*

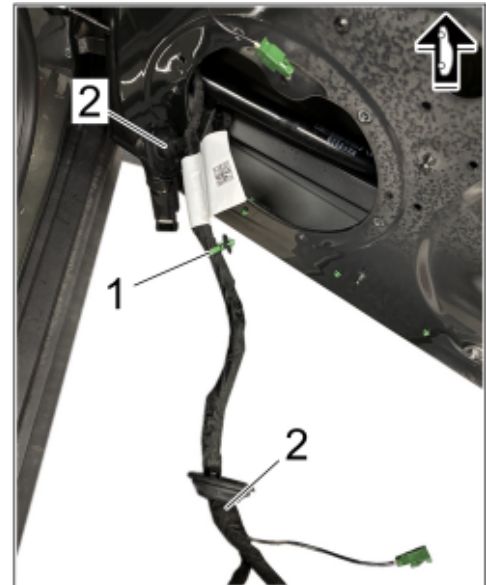


Electric plug connection at the door connection point (door side)



Fabric tape

- 14 Open cable holder $\Rightarrow$ *Electric door wire harness, front -1-* and wrap the signal line tightly around the wire harness using fabric tape. Then wrap the grommets tightly with $\Rightarrow$ *Electric door wire harness, front -2-* fabric tape again to the wire harness and $\Rightarrow$ *Electric door wire harness, front -1-* fit the cable holder. Ensure that no moisture can penetrate into the wire harness.
- 15 Install electric wire harness on front door (bodyshell). For work procedure, see: $\Rightarrow$ *Workshop Manual '973219B2 Removing and installing front door wire harness (bodyshell)'*
- 16 Perform the described action (action steps $\Rightarrow$ 2 to $\Rightarrow$ 15) also on the front left door. Then continue with: $\Rightarrow$ *Technical Information '973219B2 Check plug contact at the door connection point on the vehicle side'*



Electric door wire harness, front

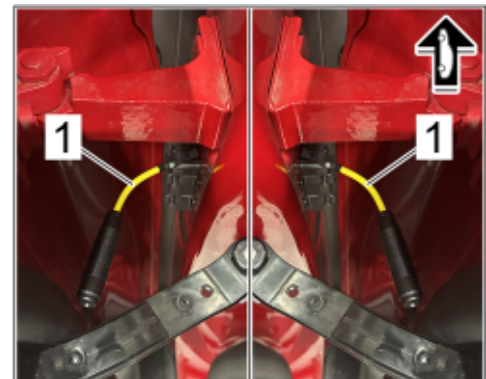
Checking plug contact at the door connection point on the vehicle side

- Work Procedure: 1 Secure the **measuring adapter** to the signal lines $\Rightarrow$ *Resistance measurement on vehicle-side door connection points -1-* of the vehicle-side door connection points on the left and right and perform a resistance measurement using the **P90999 - Porsche Tester 4**.



Information

The measured resistance values must always be documented and attached to the process in PCSS.



Resistance measurement on vehicle-side door connection points

Assessment	Action
Resistance is 220 Ω or less .	The resistance of the signal lines is OK. Plug in and lock electric plug connection on door connection point. Install front door panel loudspeakers and door trim panels. ⇒ <i>Workshop Manual '914119A3 Removing and installing front loudspeaker (door)'</i> Then connect earth strap for battery. ⇒ <i>Workshop Manual '978509A1 Loosen and secure earth strap for battery'</i> End of action.
The resistance value is greater than 220 Ω .	The resistance of the signal lines is not OK. Replace plug contact of the signal line at the door connection point on the right-hand vehicle side. Continue with Step ⇒ 2.

**Information**

On vehicles with "**M-no. AVO**" (left-hand drive), the plug contact at the **left** vehicle-side door connection point must be replaced.

In this case, the following steps must be carried out on the left-hand side of the vehicle.

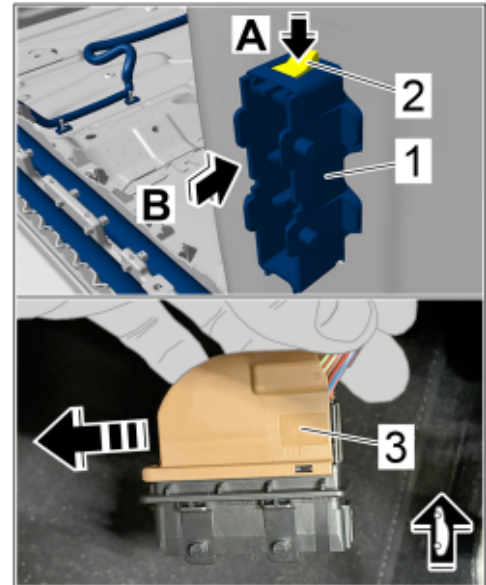
- 2 Loosen the fuse box bracket in the right footwell.
For work procedure, see: ⇒ *Workshop Manual '978419A3 Removing and installing fuse box bracket in footwell'*

- 3 Loosen electric plug connection ⇒ *Electric plug connection at door connection point (vehicle-side) -1-* for the vehicle-side door connection point.

- 3.1 Release locking lug ⇒ *Electric plug connection at door connection point (vehicle-side) -2-* in ⇒ *Electric plug connection at door connection point (vehicle-side) -Arrow direction A-* and insert electric plug connection for door connection point ⇒ *Electric plug connection at door connection point (vehicle-side) -1-* in ⇒ *Electric plug connection at door connection point (vehicle-side) -Arrow direction B-*.

- 3.2 Guide electric plug connection for the door connection point ⇒ *Electric plug connection at door connection point (vehicle-side) -1-* out of the inner A-pillar.

- 3.3 Loosen connector housing ⇒ *Electric plug connection at door connection point (vehicle-side) -3-* and remove it in ⇒ *Electric plug connection at door connection point (vehicle-side) -Arrow direction-*.



Electric plug connection at door connection point (vehicle-side)

- 4 Release plug contact of the signal line ⇒ *Signal line for door connection point -1-*, pull ⇒ *Signal line for door connection point -2-* it out of the connector housing and replace it with a **new** plug contact.
For work procedure, see: ⇒ *Workshop Manual '912841C8 Repairing antenna cable'*
- 5 Install electric plug connection for vehicle-side door connection point.

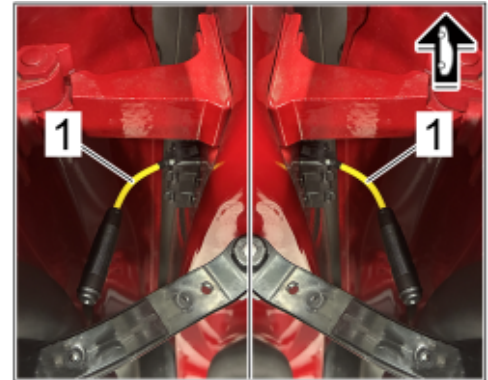


Signal line for door connection point

- 6 Secure the **measuring adapter** to the signal lines
 ⇒ *Resistance measurement on vehicle-side door connection points -1-* of the vehicle-side door connection points on the left and right and perform another resistance measurement using the **P90999 - Porsche Tester 4**.

**Information**

The measured resistance values must always be documented and attached to the process in PCSS.



Resistance measurement on vehicle-side door connection points

Assessment	Action
Resistance is 220 Ω or less .	The resistance of the signal lines is OK. Plug in and lock electric plug connection on door connection point. Install front door panel loudspeakers and door trim panels. ⇒ <i>Workshop Manual '914119A3 Removing and installing front loudspeaker (door)'</i> Install the fuse box bracket in the right footwell. ⇒ <i>Workshop Manual '978419A3 Removing and installing fuse box bracket in footwell'</i> Then connect earth strap for battery. ⇒ <i>Workshop Manual '978509A1 Loosen and secure earth strap for battery'</i> End of action.
The resistance value is still greater than 220 Ω .	The resistance reading is still too high after replacing the right plug contact, create a Warranty PRMS ticket with priority "B" and the title (brief description) "TI 03/26 - Support", attach the measurement results of the individual measurements and a brief description of the work performed. Ask your importer to forward the ticket directly to the PRMS group "PAG_campaign_TI_SY_support". PAG then checks the issue and provides a repair recommendation.

Labor position and PCSS encryption

Labor position:

APOS	Labor operation	I No.
91020140	Check release of assistance systems control unit software	
91284940	Install new door signal lines	
91284941	Install new door signal lines and rework the plug contact at a door connection point	

PCSS encryption:

Location (FES5)	97321	Front door wire harness
Damage type (SA4)	1057	Crimp faulty

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