

WPK3 - Checking Wire Harness for Rear Lid and Reworking if Necessary (Workshop Campaign)

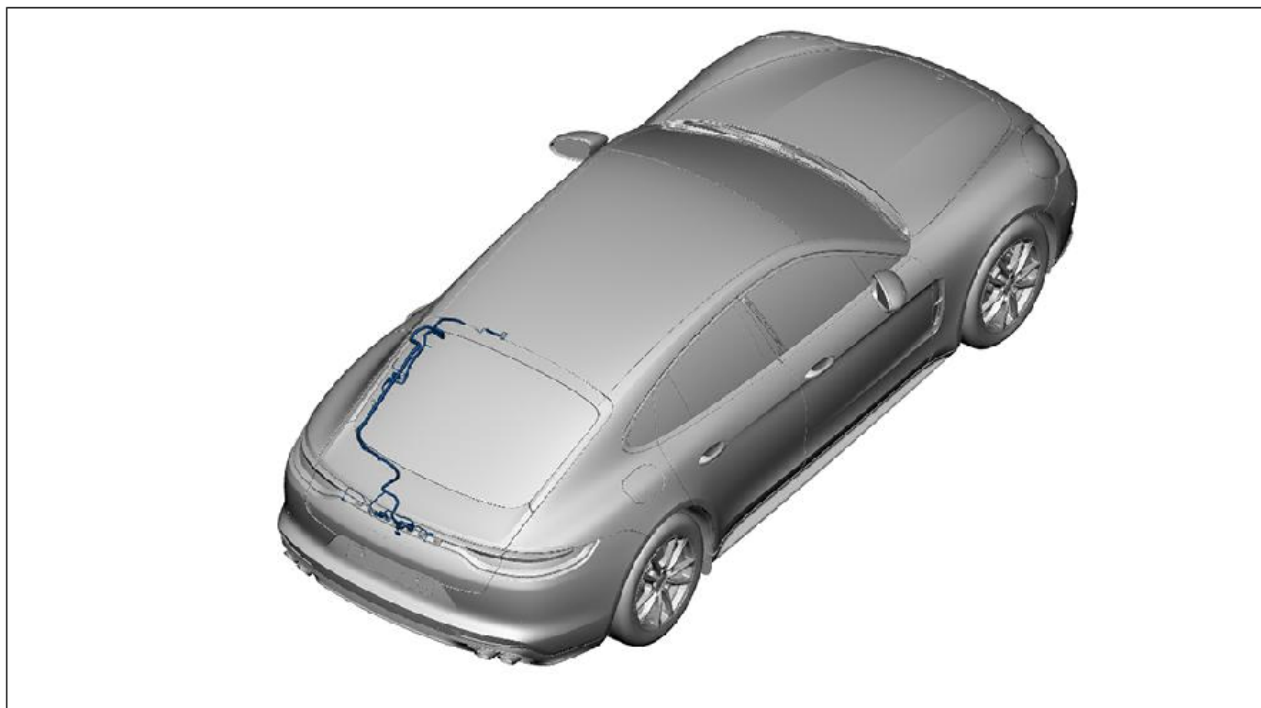
Model Line: **Panamera (971)**

Model Year: **2023**

Concerns: **Wire harness for rear lid**

Cause: **There is a possibility that a condenser in the wire harness for the rear lid was not installed according to specifications on the affected vehicles due to a manufacturing error.**
 If this is the case, it can lead to a malfunction of the heated rear window as well as signal disturbances to radio reception.

Action: Check wire harness for rear lid and rework if necessary.



Installation position of wire harness for rear lid

Affected Vehicles: Only vehicles assigned to the campaign (see also PCSS Vehicle Information).

Required parts and materials



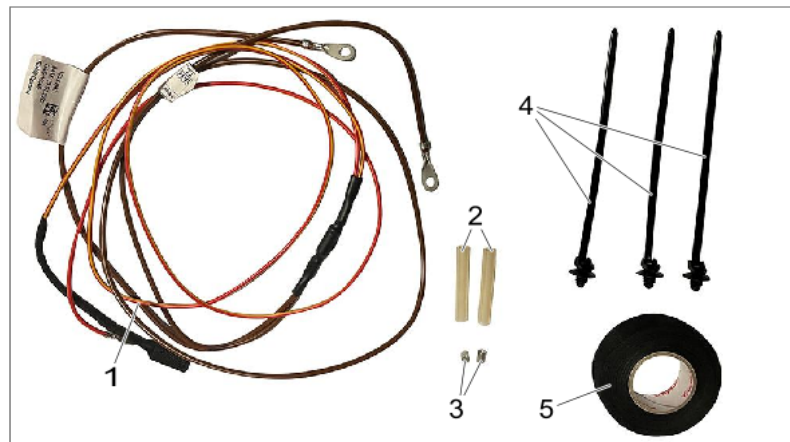
Information

1 special WPK3 Tool kit will be allocated to each Porsche Center. PCNA has additional kits if needed that can be ordered with a Parts PRMS ticket for release.

Part # for the Special Tool kit is PNAWPK30001.

Also, please note that this campaign is "Checking and Reworking if necessary" so the kit may not be used. Pricing for PNAWPK30001 in WWS is dependent on your Porsche Center's markup for Warranty parts. The amount that your dealer was invoiced for the part is \$63.04.

Parts Info: The **WPK3 repair kit for the rear lid wire harness** includes the following parts:



WPK3 repair kit for rear lid wire harness

- 1 – Line with condenser
- 2 – Shrink-fit hoses
- 3 – Splice connector
- 4 – Clips with tie-wraps
- 5 – Fabric adhesive tape

Part No.	Designation	Number
PNAWPK30001	⇒ WPK3 repair kit for rear lid wire harness	1 piece

Consumables: **Required consumables** (usually already available in the Porsche Center):

Part No.	Designation	Quantity
	Only required for scope 1 (check)	

...*	⇒ Fabric adhesive tape	Quantity as required*
...*	⇒ Tie-wrap	Quantity as required*

* For warranty processing, enter the Part No. WPK30000003, with the "consumables" designation as an additional part in the warranty claim.

Required tools

- Tools:
- Clip lifter
 - Splicer
 - Plastic wedge
 - Stripping pliers, e.g. **VAS 1978/3A - stripping pliers**
 - Hot-air gun, e.g. **VAS 1978/14A - hot-air blower**
 - Torque wrench, 0.4-2 Nm (0.3-1.5 ftlb.), e.g. **VAS 6253A - torque wrench, 0.4-2 Nm (0.3-1.5 ftlb.)**
 - 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.)**

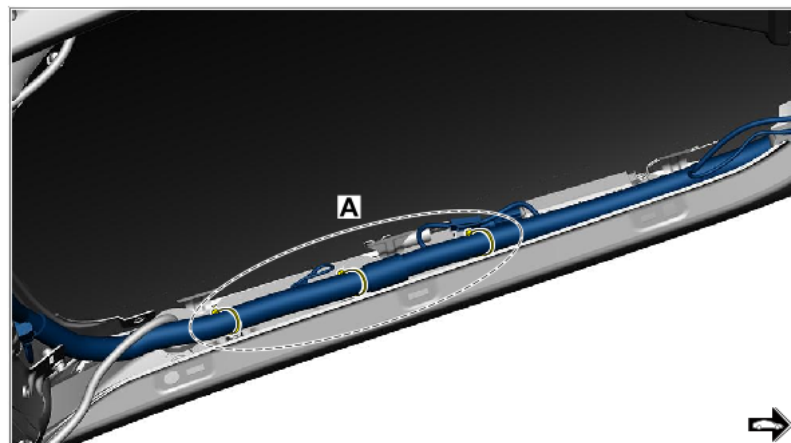
Check wire harness for rear lid

Work Procedure: 1 Remove trim panel for left window frame.
 For instructions, see: ⇒ *Workshop Manual '709219 Removing and installing trim panel for rear lid'*



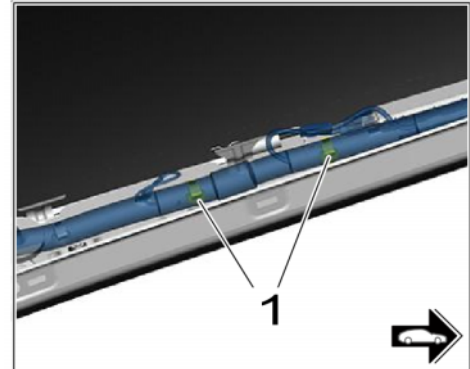
Information

The work area is located in the rear lid on the left window frame. The condenser to be tested is on the left in the marked area of the wire harness ⇒ *Installation position of condenser -A-* :



Installation position of condenser

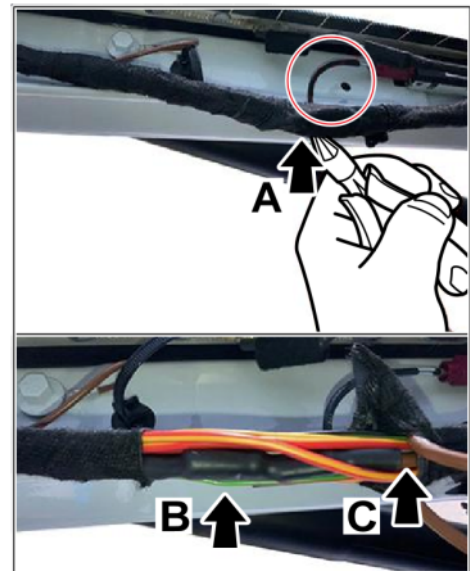
- 2 Undo clips ⇒ *Disconnecting wire harness -1-*.



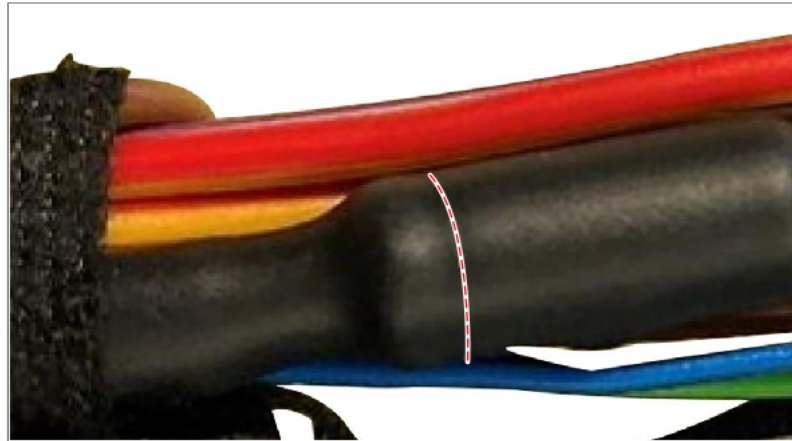
Disconnecting wire harness

- 3 Starting with a side cutter at the level of the antenna line ⇒ *Expose wire harness -Arrow A-*, separate textile adhesive tape in both directions until the condenser ⇒ *Expose wire harness -Arrow B-* and the end of the shrink tube become ⇒ *Expose wire harness -Arrow C-* visible. Make sure the seal ⇒ *Expose wire harness -Circle-* is not damaged while doing this.
- 4 Check installation direction of condenser in wire harness for rear lid.

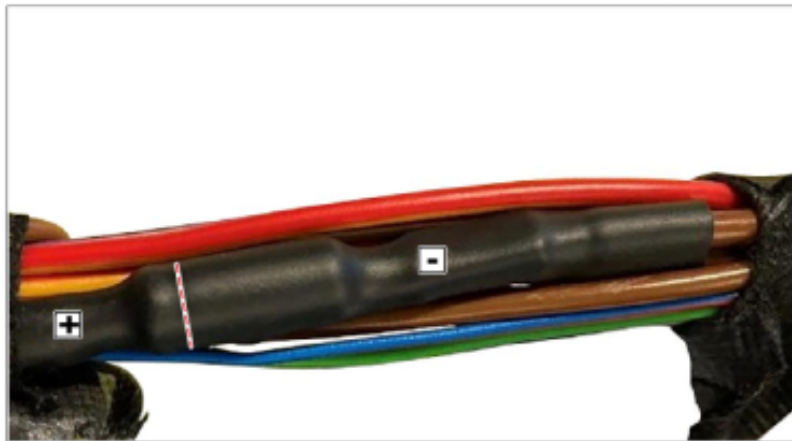
A circumferential indentation ⇒ *Condenser circumferential indentation -Dashed line-* can be seen under the shrink hose. This marks the **positive** side of the condenser.



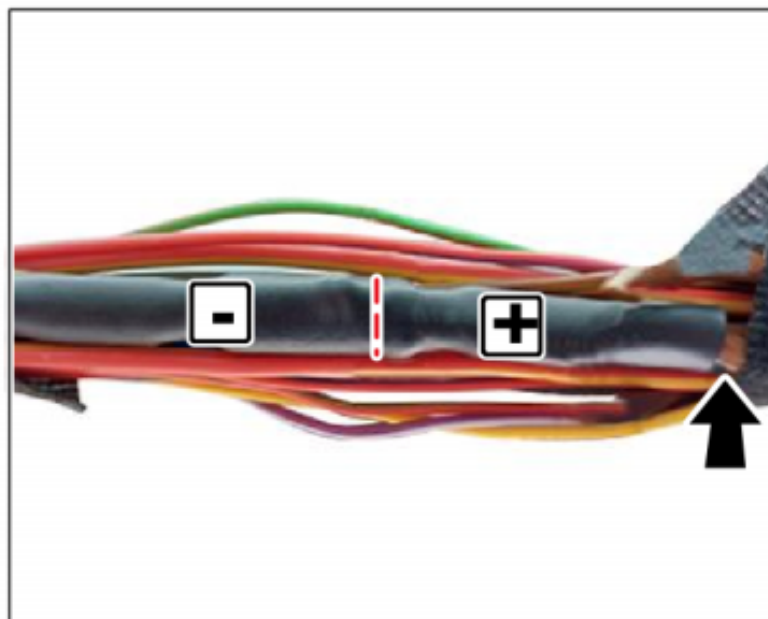
Expose wire harness



Condenser circumferential indentation



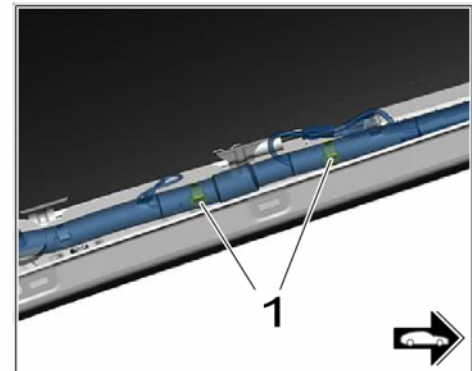
Installation direction for condenser OK



Installation direction for condenser not OK

Assessment		Action
(✓)	The circumferential indentation (positive side of condenser) is on the side of the red/yellow line.	Wire harness for rear lid does not need to be reworked. Continue with Step 5. Invoicing for Scope 1
(✗)	The circumferential indentation (positive side of condenser) is on the side of the brown line.	Wire harness for rear lid must be reworked. Continue with ⇒ <i>Technical Information '709219 reworking wire harness for rear lid'</i> Invoicing for Scope 2

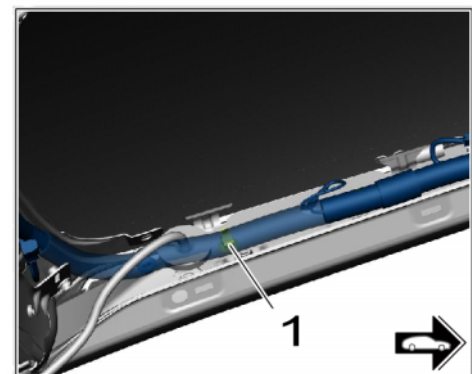
- 5 Encase the rear lid wire harness with new textile adhesive tape.
- 6 Clip in clips ⇒ *Disconnecting wire harness -1-* and fasten wire harness with tie-wraps.
- 7 Install trim panel for left window frame.
For instructions, see: ⇒ *Workshop Manual '709219 Removing and installing trim panel for rear lid'*
- 8 Enter the campaign in the Warranty and Maintenance logbook.



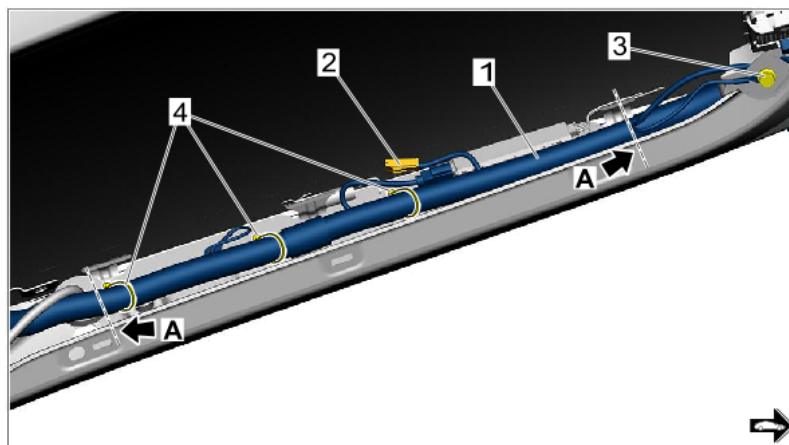
Fastening wire harness

Reworking wire harness for rear lid

- Work Procedure: 1 Unclip clip ⇒ *Unclip clip -1-*.
- 2 Disconnect wire harness for rear lid ⇒ *Expose wire harness -1-*.

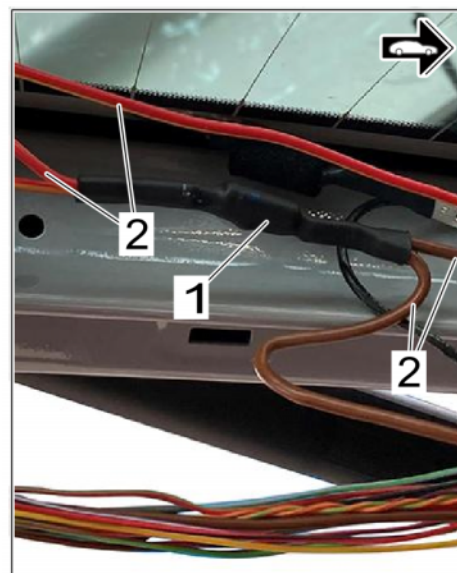


Unclip clip



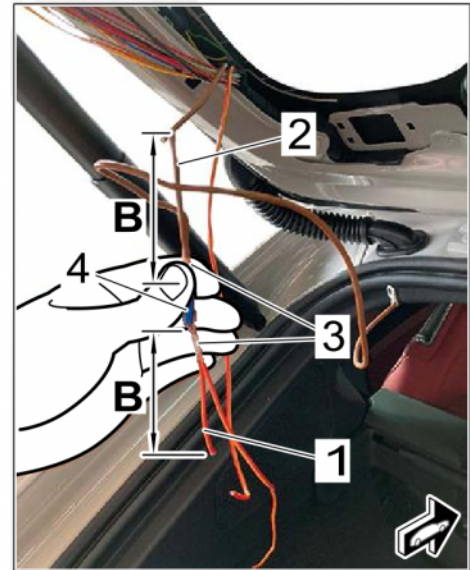
Expose wire harness

- 2.1 Release and disconnect electrical plug connection for heated rear window ⇒ *Expose wire harness -2-*.
 - 2.2 Remove earth line screw ⇒ *Expose wire harness -3-*.
 - 2.3 Remove tie-wrap ⇒ *Expose wire harness -4-*.
 - 2.4 Disconnect and remove textile adhesive tape as a whole ⇒ *Expose wire harness -Area A-*.
- 3 Uncover condenser ⇒ *Uncovering condenser with lines -1-* and associated electrical lines ⇒ *Uncovering condenser with lines -2-*.



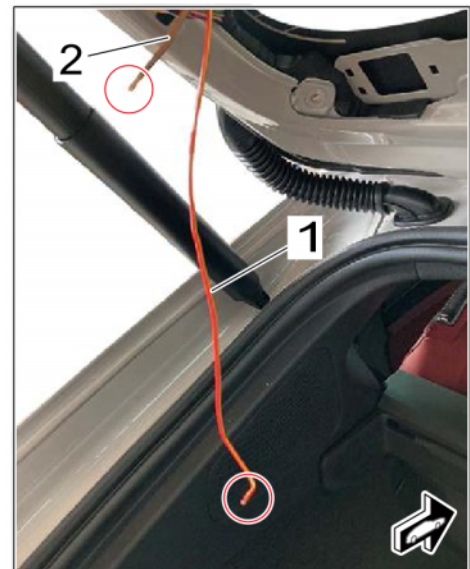
Uncovering condenser with lines

- 4 Disconnect condenser input line (red/yellow) ⇒ *Removing condenser input and output line -1-*.
 - 4.1 Red/yellow input line ⇒ *Removing condenser input and output line -1-* approx. **length 80 mm** ⇒ *Removing condenser input and output line -B-* from the start of the crimping sleeves on the condenser side ⇒ *Removing condenser input and output line -3-*
 - 4.2 Brown output line ⇒ *Removing condenser input and output line -1-* approx. **length 80 mm** ⇒ *Removing condenser input and output line -B-* from the start of the crimping sleeves on the condenser side ⇒ *Removing condenser input and output line -3-*
 - 4.3 Dispose of **old** condenser ⇒ *Removing condenser input and output line -4-* properly.



Removing condenser input and output line

- 5 Strip cable ends ⇒ *Stripping cable ends for condenser on input and output line -Circles-* of the condenser input line (red/yellow) ⇒ *Stripping cable ends for condenser on input and output line -1-* and condenser output line (brown) ⇒ *Stripping cable ends for condenser on input and output line -2-*.



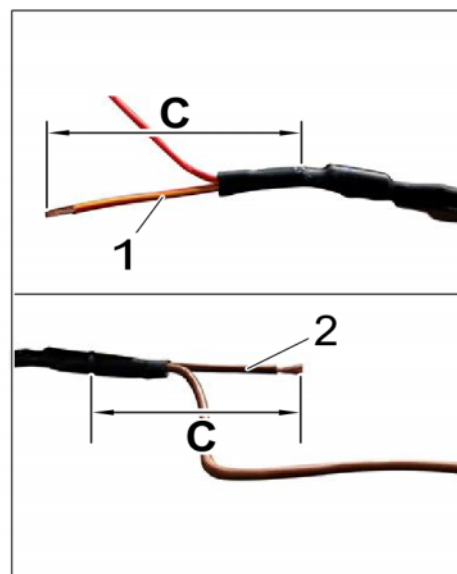
Stripping cable ends for condenser on input and output line



Information

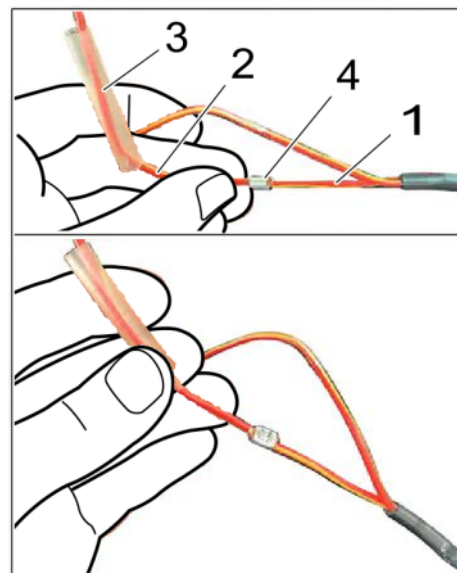
The electrical line with electrical plug connection for heated rear window (red/yellow) and the electrical line with earthing loop must not be cut off.

- 6 Shorten condenser input line (red/yellow) ⇒ *Shortening cable ends of WPK3 repair kit -1-* and condenser output line (brown) ⇒ *Shortening cable ends of WPK3 repair kit -2-* of the **WPK3 repair kit** to **length 80 mm** and strip cable ends.



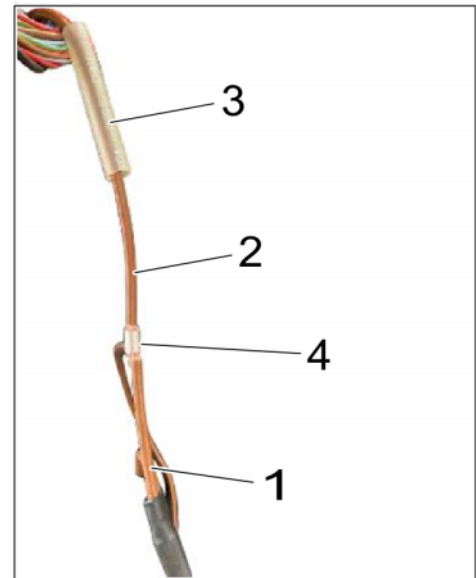
Shortening cable ends of WPK3 repair kit

- 7 Connect condenser input line (red/yellow).
 - 7.1 Push shrink hose ⇒ *Connecting condenser input line -3-* onto vehicle-side line (red/yellow) ⇒ *Connecting condenser input line -2-*.
 - 7.2 Plug condenser input line (red/yellow) ⇒ *Connecting condenser input line -1-* and vehicle-side line (red/yellow) ⇒ *Connecting condenser input line -2-* into splice sleeve ⇒ *Connecting condenser input line -4-* and splice with suitable **splicers**.



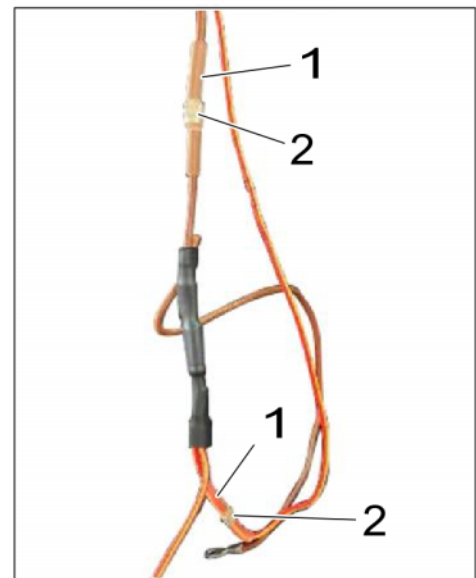
Connecting condenser input line

- 8 Connect condenser output line (brown).
 - 8.1 Push shrink hose ⇒ *Connecting condenser output line -3-* onto vehicle-side line (brown) ⇒ *Connecting condenser output line -2-*.
 - 8.2 Insert condenser output line (brown) ⇒ *Connecting condenser output line -1-* and vehicle-side line (brown) ⇒ *Connecting condenser output line -2-* into splice sleeve ⇒ *Connecting condenser output line -4-* and splice using suitable **splicers**.

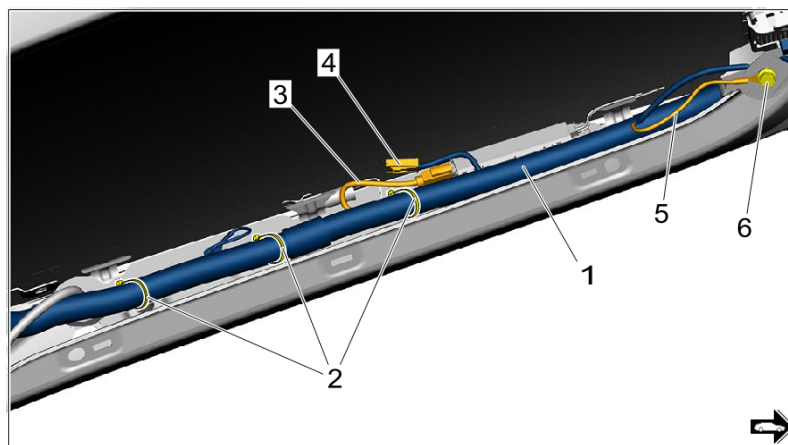


Connecting condenser output line

- 9 Position heat shrink hoses ⇒ *Shrinking shrink hoses over splice sleeves -1-* over splice sleeves ⇒ *Shrinking shrink hoses over splice sleeves -2-* and shrink with **hot-air gun**.
- 10 Pre-position wire harness for rear lid and wrap it again with textile adhesive tape.
- 11 Fasten wire harness for rear lid ⇒ *Fastening wire harness for rear lid -1-*.



Shrinking shrink hoses over splice sleeves



Fastening wire harness for rear lid

- 11.1 Clip **new** clips into rear lid.
 - 11.2 Position wire harness for rear lid ⇒ *Fastening wire harness for rear lid-1-* and fasten with cable ties ⇒ *Fastening wire harness for rear lid-2-*, making sure that the electrical line antenna ⇒ *Fastening wire harness for rear lid-3-* is not attached.
 - 11.3 Connect and lock electrical plug for heated rear window ⇒ *Fastening wire harness for rear lid-4-*.
 - 11.4 Position earth line ⇒ *Fastening wire harness for rear lid-5-*, screw in screw ⇒ *Fastening wire harness for rear lid-6-* and tighten with **tightening torque 6 Nm (4.4 ftlb.)**.
- 12 Install trim panel for left window frame.
For instructions, see: ⇒ *Workshop Manual '709219 Removing and installing trim panel for rear lid'*
- 13 Enter the campaign in the Warranty and Maintenance logbook.

Warranty processing

Scope 1: **Check wire harness for rear lid**

Labor time:		
Check wire harness for rear lid		Labor time: 65 TU
Includes:	Trim panel for rear lid	
Required materials (usually already available in the Porsche Center):		
WPK30000003*	Consumables	1 piece (for warranty invoicing only)

* For warranty processing, the **Part No. WPK3000003** designated as "Consumables" can be invoiced as an **additional part** in the warranty claim. Amount: 5.25 \$.

⇒ **Damage Number WPK3 066 000 1**

Scope 2:

Checking wire harness for rear lid and reworking

Labor time:

Checking wire harness for rear lid and reworking

Labor time: **109 TU**

Includes: Removing and installing trim panel for rear lid

Required parts:

PNAWPK30001*	WPK3 repair kit for rear lid wire harness	1 piece (for warranty invoicing only)
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Required materials (usually already available in the Porsche Center):

WPK3000002**	Shipping costs	1 piece (for warranty invoicing only)
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* For warranty processing, the **Part No. PNAWPK30001** with the designation "WPK3 Repair kit for wire harness rear lid" can be invoiced as an **additional part** in the warranty claim. Your Porsche Center was invoiced \$63.04 for the part. Please apply normal dealer markup when submitting the cost of the part in WWS.

** For a collective order, the shipping costs may only be invoiced **once for the first vehicle** during warranty processing by specifying **Part No. WPK3000002** with the designation "Shipping costs" as an **additional part** and using the amount as per invoice. **Please document a copy of the invoice for this in the warranty claim.** For all other vehicles, on which parts from this collective order will be used, only the repair kit, expendable items and labor time are to be invoiced in the warranty claim.

⇒ **Damage Number WPK3 066 000 2**

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