

WLD4 - Replacing Hose for Positive Crankcase Ventilation (Workshop Campaign)

Model Line: **Panamera (971)**

Model Year: **As of 2017 up to 2019**

Equipment: 3.0-liter V6 monoturbo

Subject: **Positive crankcase ventilation hose**

Information: **A part-load valve was installed in the hose for crankcase ventilation on the affected vehicles which has a sealing washer that does not meet the required specifications and could possibly crack when the crankcase pressure rises.**

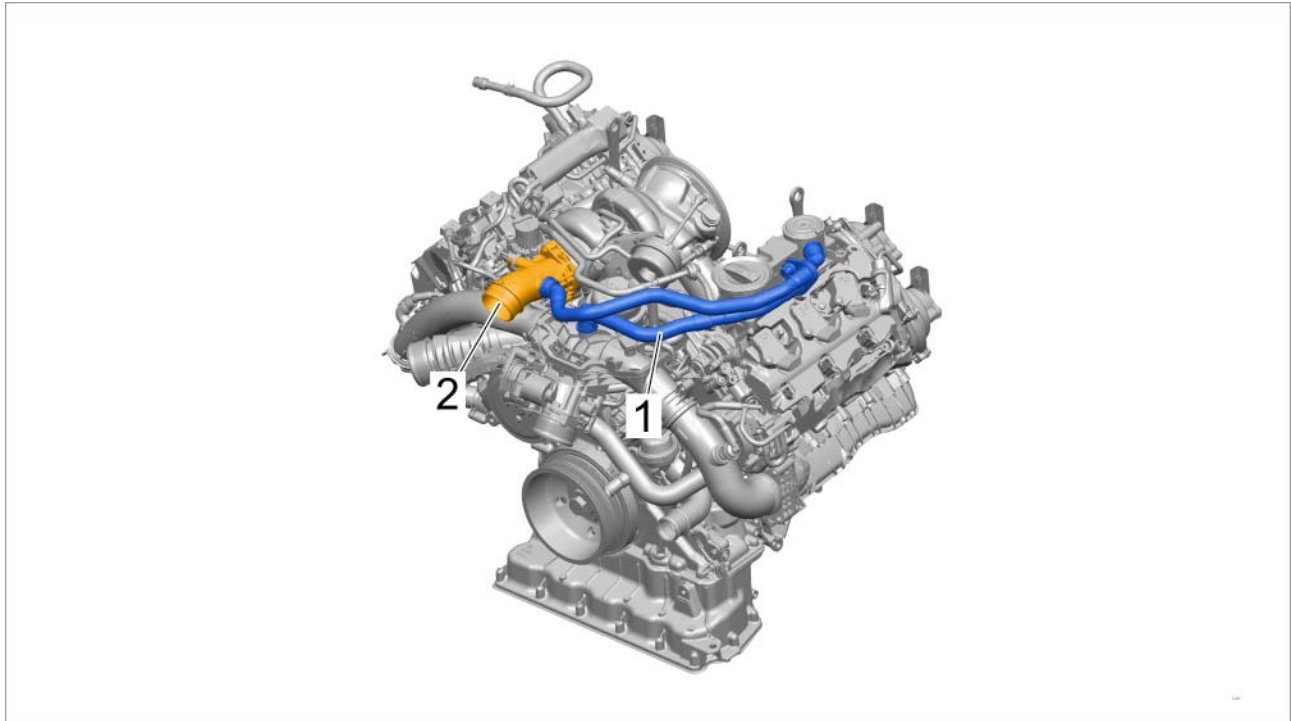
Consequently, small amounts of engine oil can leak from the oil filler cover into the adjacent engine compartment, resulting in a reduced engine oil level over time. The driver is alerted by an appropriate warning message if the engine oil level is too low.

Remedial Action: Replace positive crankcase ventilation hose.

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

Installation

Position:



Installation location for positive crankcase ventilation hose.

- 1 – Positive crankcase ventilation hose
- 2 – Intake manifold

Model Line: **Panamera (971)**

Equipment: 2.9-liter V6 biturbo

Subject: **Positive crankcase ventilation hose**

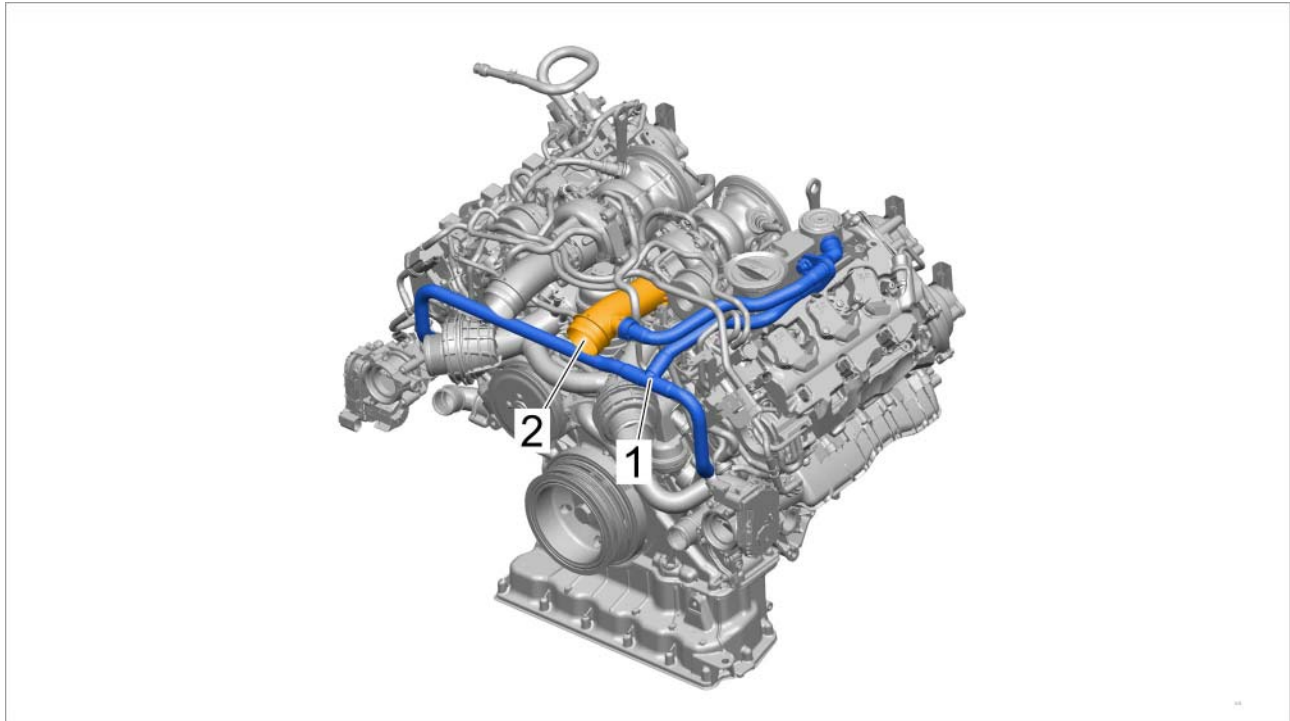
Information: **A part-load valve was installed in the hose for crankcase ventilation on the affected vehicles which has a sealing washer that does not meet the required specifications and could possibly crack when the crankcase pressure rises.**

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Remedial Action: Replace positive crankcase ventilation hose.

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

Installation Position:



Installation location for positive crankcase ventilation hose.

- 1 – Positive crankcase ventilation hose
- 2 – Intake manifold

Parts required

Parts Info:	Part No.	Designation	Qty.
	00004330439	⇒ Vent line	1 ea.

Parts required

Parts Info:	Part No.	Designation	Qty.
	00004330440	⇒ Vent line	1 ea.

Required tools

- Tools:
- Torque wrench, 2 - 10 Nm (1.5 - 7.5 ftlb.), e.g. **Torque wrench, 2-10 Nm (1.5-7.5 ftlb.)**
 - Torque wrench, 6–50 Nm (4.5–37 ftlb.), e.g. **Torque wrench, 6-50 Nm (4.5-37 ftlb.)**
 - Torque wrench, 40–200 Nm (30–148 ftlb.), e.g. **Torque wrench, 40-200 Nm (30-148 ftlb.)**
 - Release tool CTO.J01 (campaign tool)



Information

Ordering the WLD4 campaign tool "CTO.J01"

A special release tool is required to remove the crankcase ventilation hose. This release tool can be ordered from the **online shop of TKR Automotive GmbH**.

One release tool is provided for each affected Porsche dealer. **Only one release tool** may therefore be ordered for each affected Porsche dealer.

The link for the online shop is:

<http://www.tkr-connector.com>

For more information about using the online shop, see:
Video in attachment of the PPN document for WLD4.

There are various search functions to help you identify the release tool "**CTO.J01**", e.g. by entering the campaign number or using a graphic search function.



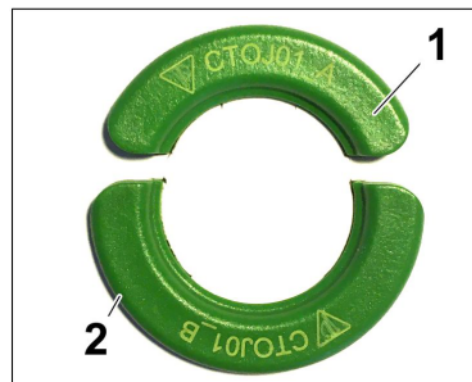
TKR Automotive GmbH online shop

The release tool consists of two individual pieces for the following applications:

- **Item 1. Panamera (V6 Mono- and biturbo) → CTOJ01_A**
- **Item 1. Cayenne (V6 monoturbo) → CTOJ01_A**
- **Item 2. Cayenne (V6 biturbo) → CTOJ01_B**

Please read the following information about processing the campaign:

- If the release tool was ordered on account, the invoice to TKR Automotive GmbH must be paid within the 14-day payment period.
- The release tool must only be invoiced **once** for the first vehicle during **warranty processing** in each Porsche dealer. Only the required **materials and working time** must be invoiced in the campaign claim for the remaining vehicles on which work is carried out as part of this campaign in the Porsche dealer.
- For warranty processing, the **Part No. WLD40000001** with the designation "release tool" can be invoiced as an **additional part** in the warranty claim. Cost: €29.70.
- The shipping costs must only be invoiced once for the first vehicle during warranty processing by specifying **Part No. WLD40000002** with the designation "Shipping costs" as an **additional part** and using the amount as per invoice. For all other vehicles, only the materials and working time must be invoiced in the warranty claim.
- Document a copy of the invoice in the warranty claim.



Release tool CTO.J01

Replace positive crankcase ventilation hose



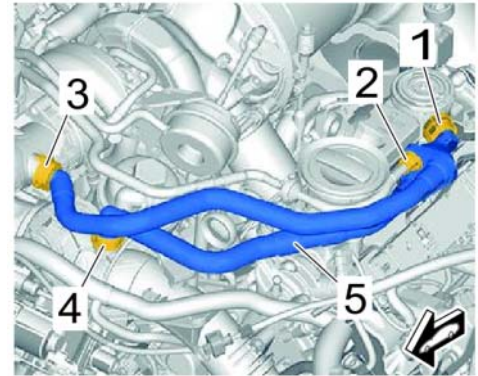
CAUTION

Hot components

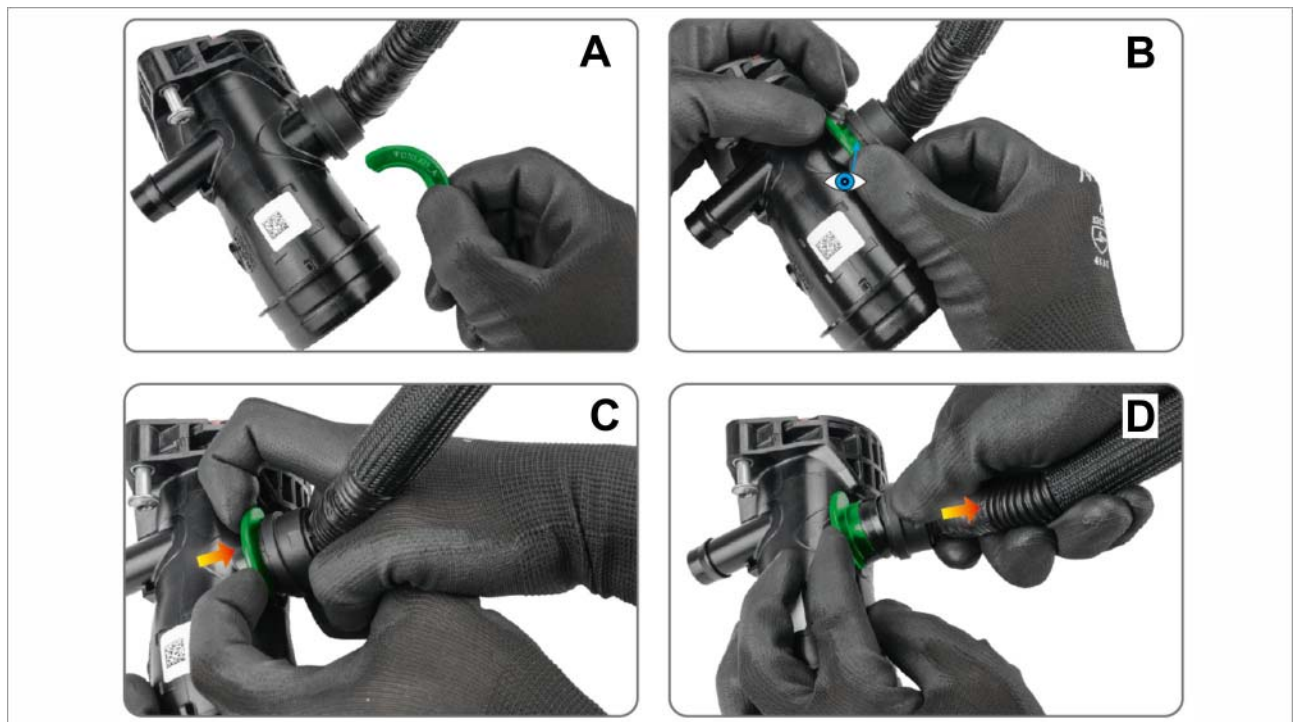
- **Risk of burns**
- ⇒ **Let hot components cool down.**
- ⇒ **Wear personal protective gear.**

Work Procedure: 1 Remove engine cover (design cover) ⇒ *Workshop Manual '108319 Removing and installing engine cover (design cover) (V6 Turbo)'*.

- 2 Remove positive crankcase ventilation hose.
 - 2.1 Press release buttons on both sides and loosen adapters on oil mist separator ⇒ *Detaching hose -1-* and positive crankcase ventilation system ⇒ *Detaching hose -2-*.
 - 2.2 Press release buttons on both sides and loosen pressure pipe adapter ⇒ *Detaching hose -4-*.
 - 2.3 Disconnect intake manifold adapter ⇒ *Detaching hose -3-*.



Detaching hose



Disconnecting hose

- 2.3.1 **Release tool CT0.J01_A** should be inserted into the separation point between the intake manifold and the hose ⇒ *Disconnecting hose -A-* and checked for proper seating ⇒ *Disconnecting hose -B-*.
 - 2.3.2 Push the release tool in the direction of the arrow ⇒ *Disconnecting hose -C-* and pull the hose out of the intake manifold ⇒ *Disconnecting hose -D-*.
- 3 Insert a new crankcase ventilation hose at the separation points in reverse order and check for correct seating.

Part No.	Designation	Qty.
00004330439	Vent line	1 ea.

- 4 Install engine cover (design cover) ⇒ *Workshop Manual '108319 Removing and installing engine cover (design cover) (V6 Turbo)'*.
- 5 Enter the campaign in the Warranty and Maintenance booklet.

Replace positive crankcase ventilation hose

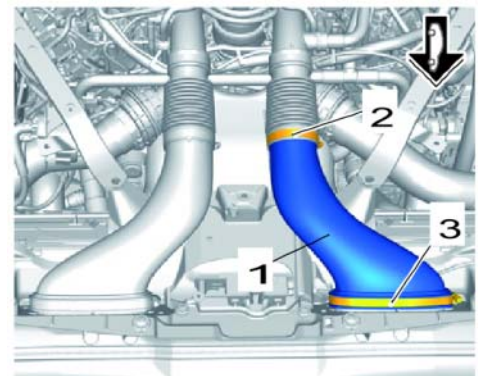


Hot components

- Risk of burns
- ⇒ Let hot components cool down.
- ⇒ Wear personal protective gear.

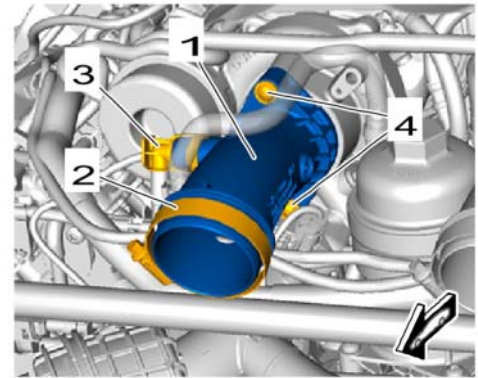
Work Procedure: 1 Remove engine cover (design cover) ⇒ *Workshop Manual '108319 Removing and installing engine cover (design cover) (V6 Turbo)'*.

- 2 Loosen both intake scoops on the intake manifold.
 - 2.1 Loosen the screw-type clamp ⇒ *Air-cleaner cowl-2-* on the left and right scoops for the air cleaner ⇒ *Air-cleaner cowl-1-*.



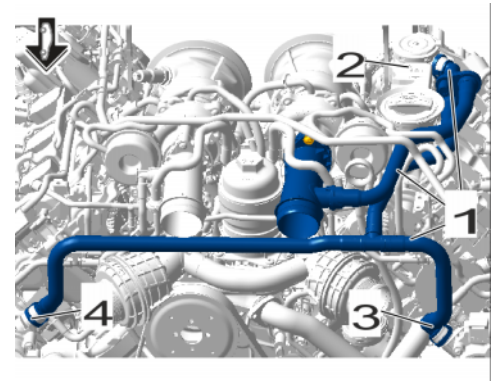
Air-cleaner cowl

- 2.2 Loosen screw-type clamp ⇒ *Right intake manifold -2-* on the left and right intake manifold ⇒ *Right intake manifold -1-*.
- 2.3 Pull off both intake scoops on the intake manifold and on the air cleaner scoop.

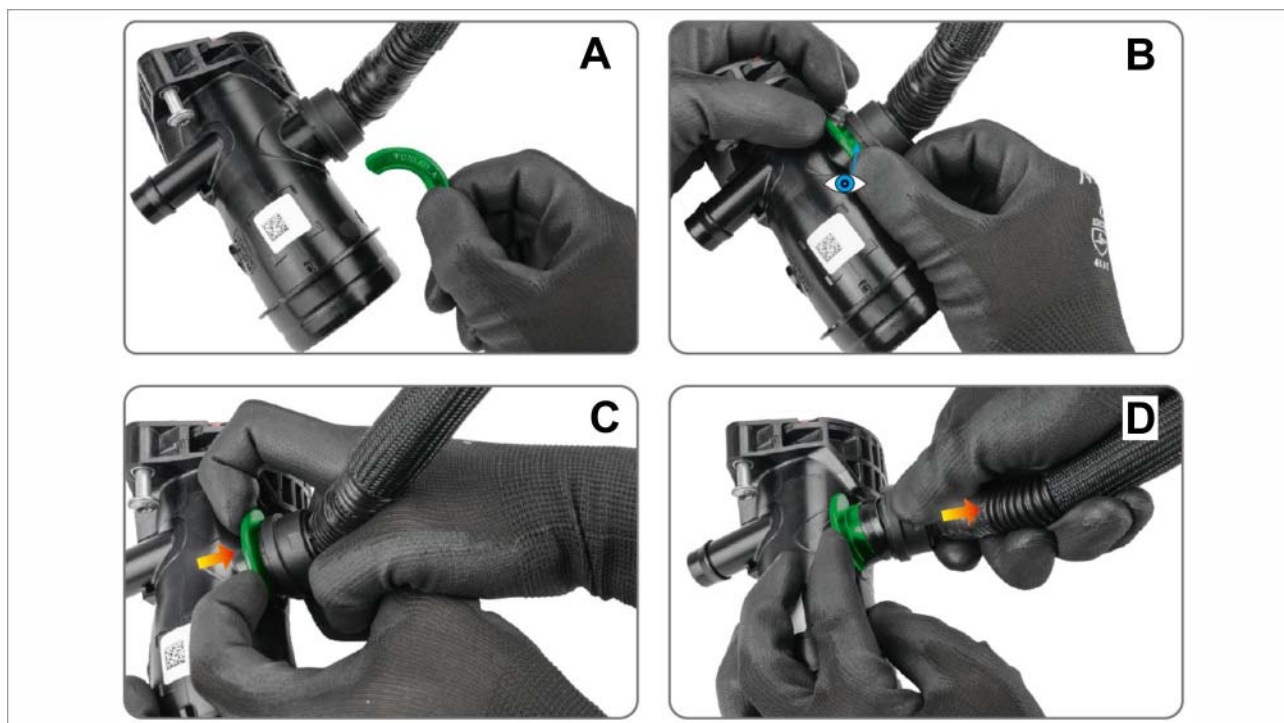


Right intake manifold

- 3 Remove positive crankcase ventilation hose.
 - 3.1 Press release buttons on both sides and loosen adapters on oil mist separator ⇒ *Detaching hose -2-* and positive crankcase ventilation system ⇒ *Detaching hose -1-*.
 - 3.2 Loosen the hose on the cable holders.
 - 3.3 Press release buttons on both sides and pull the hose off the intake air distributor on the left ⇒ *Detaching hose -3-* and right ⇒ *Detaching hose -4-*.
 - 3.4 Do not disconnect intake manifold adapter.



Detaching hose



Disconnecting hose

- 3.4.1 **Release tool CT0.J01_A** should be inserted into the separation point between the intake manifold and the hose ⇒ *Disconnecting hose -A -* and checked for proper seating ⇒ *Disconnecting hose -B -*.
 - 3.4.2 Push the release tool in the direction of the arrow ⇒ *Disconnecting hose -C -* and pull the hose out of the intake manifold ⇒ *Disconnecting hose -D-*.
- 4 Insert a new crankcase ventilation hose at the separation points in reverse order and check for correct seating.

Part No.	Designation	Qty.
00004330440	Vent line	1 ea.

Tighten the screw-type clamp. **Tightening torque 3.5 Nm (2.5 ftlb.)**

- 5 Install engine cover (design cover) ⇒ *Workshop Manual '108319 Removing and installing engine cover (design cover) (V6 Turbo)'*.
- 6 Enter the campaign in the Warranty and Maintenance booklet.

Warranty processing**Information**

The specified working time was determined specifically for carrying out this campaign and may differ from the working times published in the Labor Operation List in the PCSS.

Scope 1: **Replace positive crankcase ventilation hose**

- Vehicles with **3.0-liter V6 monoturbo**

Working time:

Replacing positive crankcase ventilation hose with intake manifold
Includes: Removing and installing the engine cover (design cover)

Labor time: **43 TU****Parts required:**

00004330439	Vent line	1 ea.
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Required tools:

WLD40000001*	Release tool CTO.J01	1 ea.* (for warranty invoicing only)
WLD40000002**	Shipping costs	1 ea.** (for warranty invoicing only)

* The release tool must only be invoiced **once for the first vehicle** during **warranty processing** in each Porsche dealer. For warranty processing, the **Part No. WLD40000001** with the designation "release tool" can be invoiced as an **additional part** in the warranty claim. Cost: \$37.13.

** The shipping costs must only be invoiced **once for the first vehicle** during warranty processing by specifying **Part No. WLD40000002** 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, only the part and working time must be invoiced in the warranty claim.

⇒ **Damage Code WLD4 066 000 2**

Warranty processing**Information**

The specified working time was determined specifically for carrying out this campaign and may differ from the working times published in the Labor Operation List in the PCSS.

Scope 1: **Not relevant for this vehicle type.**

Scope 2: **Replace positive crankcase ventilation hose**

- Vehicles with **2.9-liter V6 biturbo**

Working time:

Replacing positive crankcase ventilation hose with intake manifold
 Includes: Removing and installing the engine cover (design cover)

Labor time: **81 TU**

Parts required:

00004330440 Vent line 1 ea.

Required tools:

WLD40000001* Release tool CTO.J01 1 ea.*
 (for warranty invoicing only)

WLD40000002** Shipping costs 1 ea.**
 (for warranty invoicing only)

* The release tool must only be invoiced **once for the first vehicle** during **warranty processing** in each Porsche dealer. For warranty processing, the **Part No. WLD40000001** with the designation "release tool" can be invoiced as an **additional part** in the warranty claim. Cost: \$37.13.

** The shipping costs must only be invoiced **once for the first vehicle** during warranty processing by specifying **Part No. WLD40000002** 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, only the part and working time must be invoiced in the warranty claim.

⇒ **Damage Code WLD4 066 000 2**

Important Notice: Technical Bulletins issued by Porsche Cars North America, Inc. are intended only for use by professional automotive technicians who have attended Porsche service training courses. They are written to inform those technicians of conditions that may occur on some Porsche vehicles, or to provide information that could assist in the proper servicing of a vehicle. Porsche special tools may be necessary in order to perform certain operations identified in these bulletins. Use of tools and procedures other than those Porsche recommends in these bulletins may be detrimental to the safe operation of your vehicle, and may endanger the people working on it. Properly trained Porsche technicians have the equipment, tools, safety instructions, and know-how to do the job properly and safely. Part numbers listed in these bulletins are for reference only. The work procedures updated electronically in the Porsche PIWIS diagnostic and testing device take precedence and, in the event of a discrepancy, the work procedures in the PIWIS Tester are the ones that must be followed.