

WRM9 – Checking Brake Lines and Replacing if necessary (Workshop Campaign)

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

Model Year: **As of 2024**

Concerns: **Brake lines hydraulic unit**

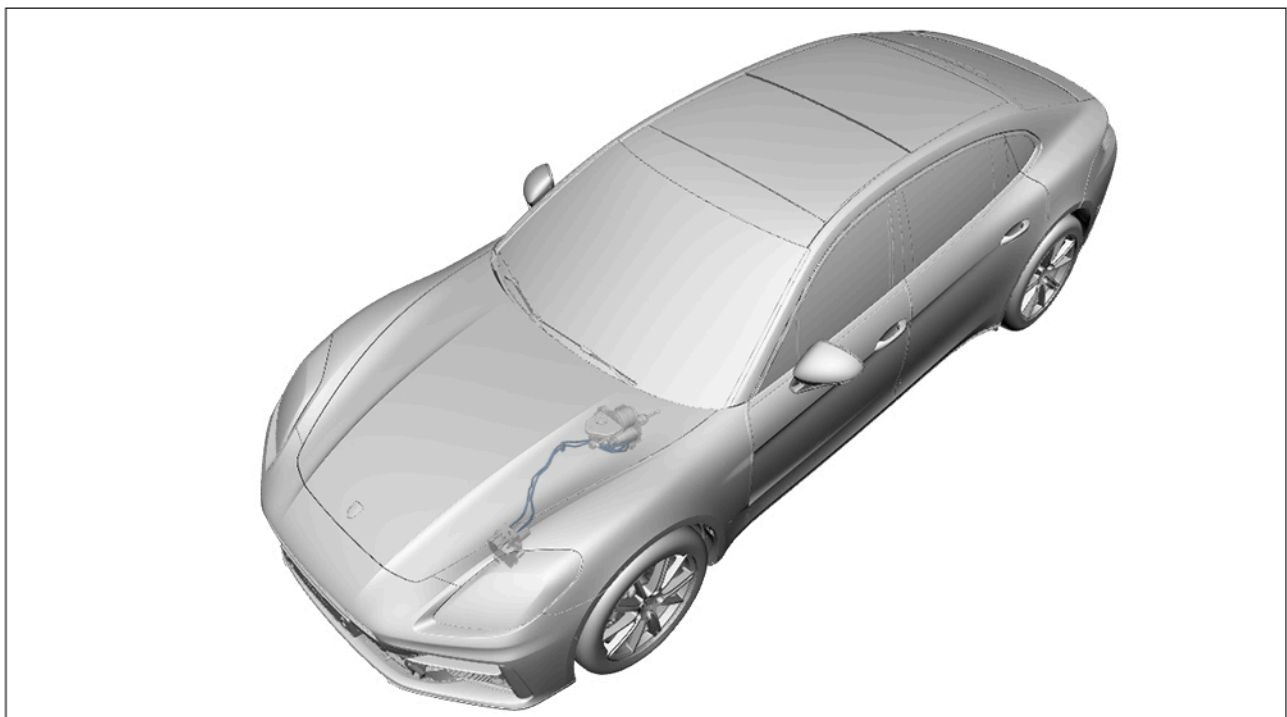
Cause: **On the affected vehicles, there is a possibility that the coating of the brake lines between the hydraulic unit and the brake master cylinder was damaged during the production run of the vehicle.**

This can lead to surface corrosion of the brake lines over the service life.

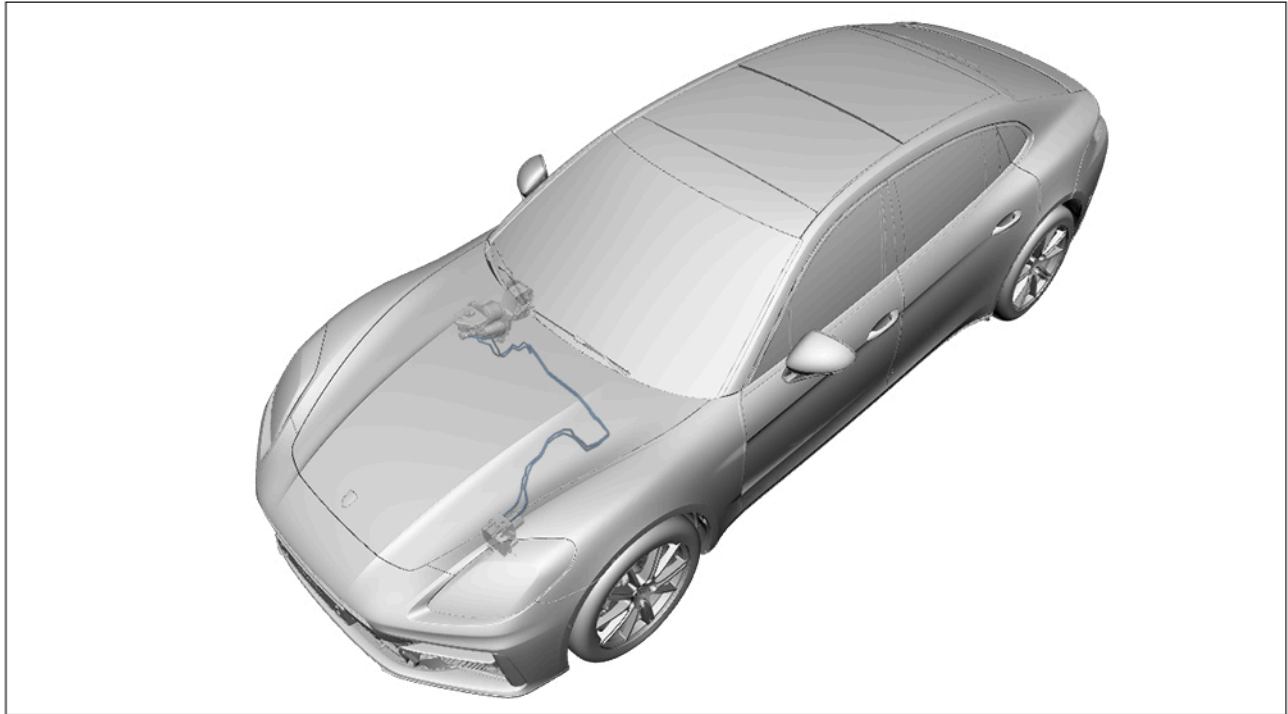
Action: Check the brake lines between the hydraulic unit and brake master cylinder and replace if necessary.

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

Installation Position:



Installation position of brake lines (left-hand drive)



Installation position of brake lines (right-hand drive)

Required parts and materials

The **part numbers** of the **parts and materials required** for the respective vehicle can be seen in the **assigned scope**. For an overview of the campaign scopes, see: ⇒ *Technical Information 'Warranty processing'*

For materials (lubricants) required for carrying out the action, see the corresponding Workshop Manual in PCSS. These lubricants are usually available in the Porsche Center.

Required tools

Tools: **Required tools for vehicles with hybrid drive system PHEV (M-no. 0K3):**

- **T40262 - Locking cap**
- **VAS 6410 - Contact surface cleaning set**
- **VAS 6558A - High-voltage measuring module**
- **VAS 6558A/51 - High-voltage measurement adapter**
- **VAS 6883A - Insulated tool set**

Additionally required tools if brake lines must be replaced:

- 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.)**
- Torque wrench, 6 – 50 Nm (4.5 – 37 ftlb.), e.g. **V.A.G 1331A - torque wrench, 6-50 Nm (4.5-37 ftlb.)**

- Torque wrench 40 – 200 Nm (30–148 ftlb.), e.g. **V.A.G 1332A - torque wrench 40-200 Nm (30–148 ftlb.)**
- Battery charger with a current rating of **at least 90 A**, e.g. **VAS 5908 - battery charger 90 A**
- **P90999 - PIWIS Tester 4**
- **VAS 6935 - Pole terminal puller**
- **9897 - Release tool**
- **VAS 6860 - Brake Filling and Bleeding Equipment**
- **3093 - Hose clamp**
- **VAS 6890 - Spring band clamp pliers**
- **VAS 531 011 - Cooling system service equipment**

Preparatory work

Work Procedure: 1 **Only for vehicles with PHEV hybrid drive system (M-no. 0K3)**

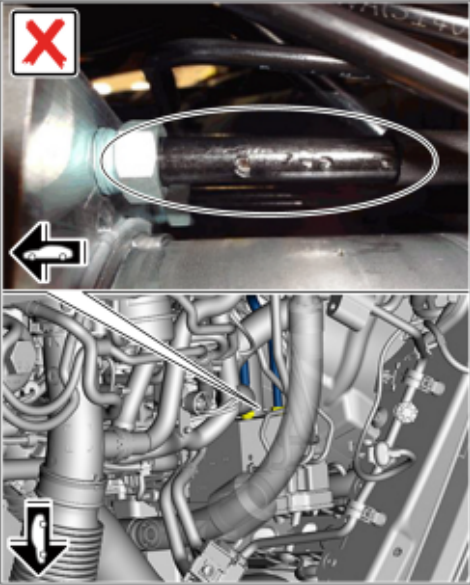
Carry out deactivation of high-voltage system. ⇒ *Workshop Manual '277583 Deactivating / starting up high-voltage system'*

2 Remove front trim panel (engine compartment) at the left. ⇒ *Workshop Manual '700219 Remove and install the front trim panel (engine compartment)'*

Checking brake lines

Work Procedure: 1 Check brake lines for damage to the coating.

Assessment		Action
(✓)	The brake line coating is not damaged.	End of action. Continue with Step ⇒ 2. [Invoicing: Scope 1 or Scope 2].

(X)	<p>The coating of one or both brake lines is damaged.</p>  <p style="text-align: center;"><i>Check brake line coating</i></p>	<p>Replacing affected brake line</p> <p>Continue with ⇒ <i>Technical Information '700219 Replacing brake lines (left-hand drive)'</i> or ⇒ <i>Technical Information '700219 Replacing brake lines (right-hand drive)'</i> [Invoicing: Scope 3 to Scope 12].</p>
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2 **Only for vehicles with PHEV hybrid drive system (M-no. 0K3)**

Start the high-voltage system. ⇒ *Workshop Manual '277583 Deactivating / starting up high-voltage system'*

3 Installing front trim panel (engine compartment) at the left. ⇒ *Workshop Manual '700219 Remove and install the front trim panel (engine compartment)'*

4 Enter the campaign in the Warranty and Maintenance Logbook.

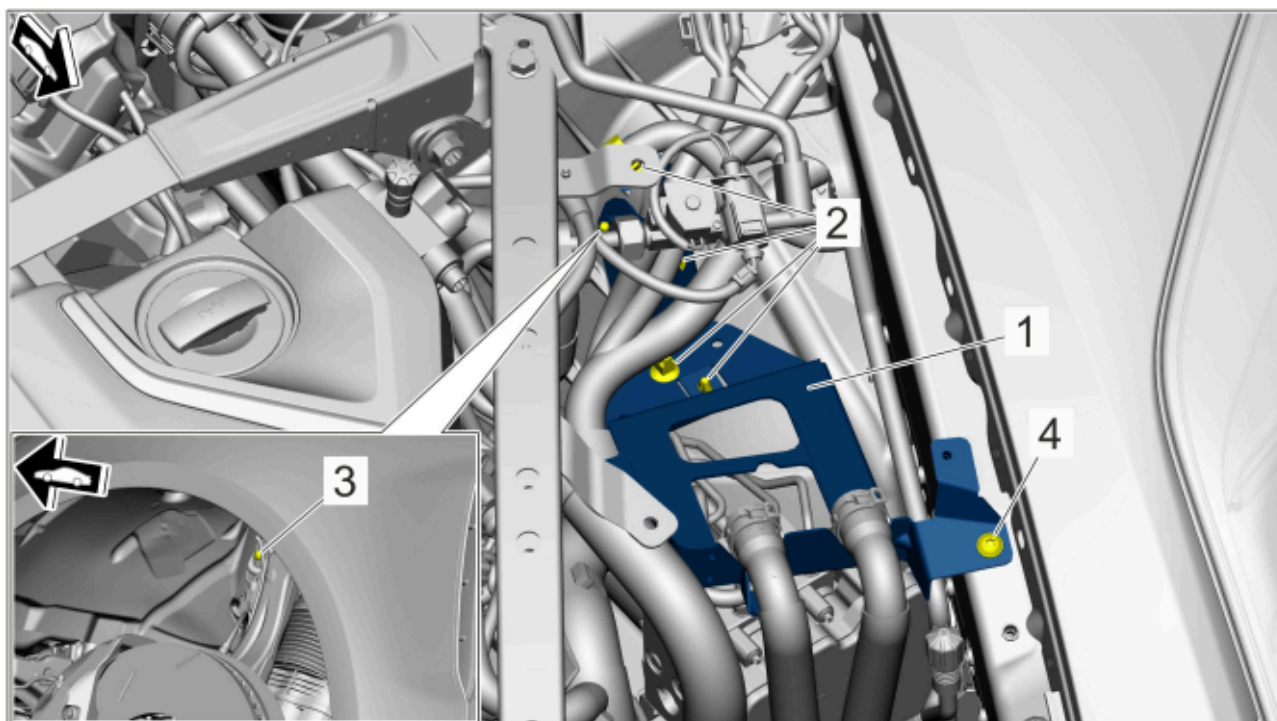
Replacing brake lines (left-hand drive)

Work procedure: 1 **Only for vehicles with PHEV hybrid drive system (M-no. 0K3)**

Remove electric passenger compartment heater. ⇒ *Workshop Manual '828019 Removing and installing electric passenger compartment heater'*

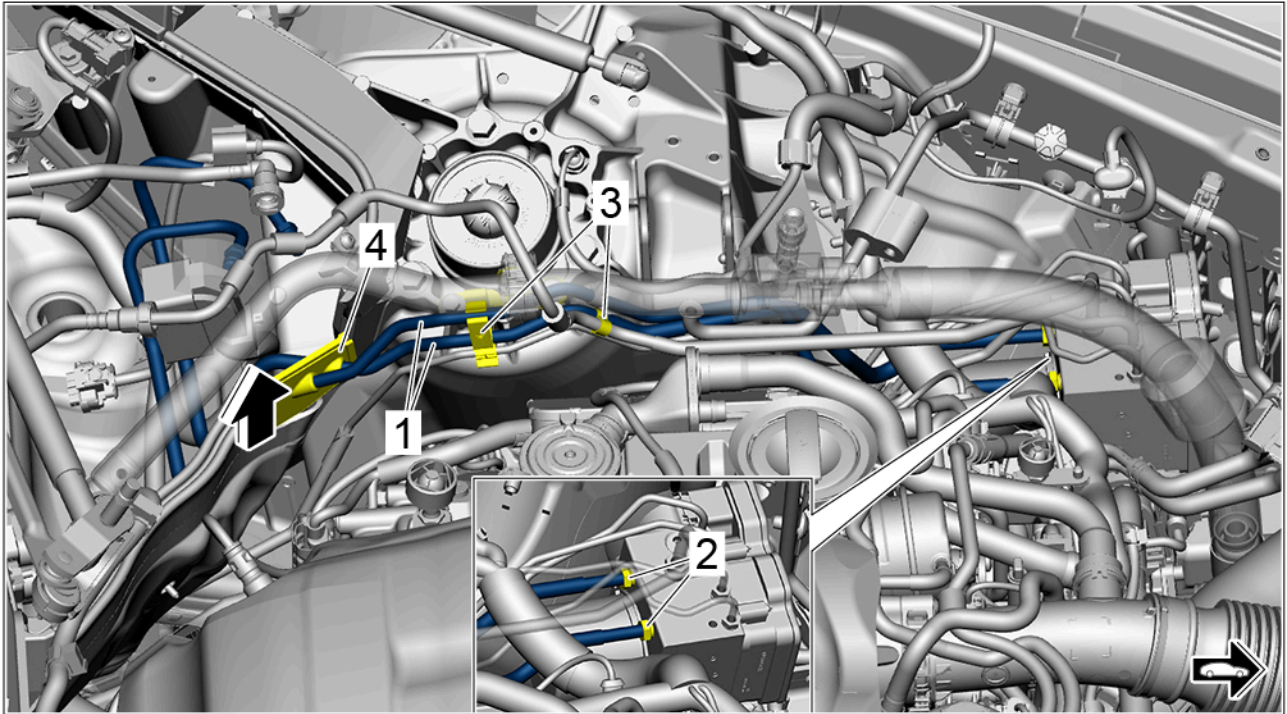
2 **Only for vehicles with PHEV hybrid drive system (M-no. 0K3)**

Remove electric passenger compartment heater ⇒ *Electric passenger compartment heater bracket -1-*.



Electric passenger compartment heater bracket

- 2.1 Unclip clips ⇒ *Electric passenger compartment heater bracket -2-*.
- 2.2 Unscrew screw ⇒ *Electric passenger compartment heater bracket -3-* through the wheel housing.
- 2.3 Unscrew screw ⇒ *Electric passenger compartment heater bracket -4-*.
- 3 Remove dome strut and side strut at the left. ⇒ *Workshop Manual '408619 Removing and installing strut (dome strut)'*
- 4 Remove cover. ⇒ *Workshop Manual '108319 Removing and installing engine cover'*
- 5 Remove brake booster. ⇒ *Workshop Manual '477019 Removing and installing brake booster'*
- 6 Replace damaged brake lines ⇒ *Replacing damaged brake line -1-*.



Replacing damaged brake line

- 6.1 Unscrew ⇒ Replacing damaged brake line -2- union nuts, collect leaking brake fluid and close connections on the hydraulic unit with suitable stoppers.
- 6.2 Unclip damaged brake lines ⇒ Replacing damaged brake line -1- from line brackets ⇒ Replacing damaged brake line -3-.
- 6.3 Unclip grommet ⇒ Replacing damaged brake line -4- in ⇒ Replacing damaged brake line -Arrow direction-.
- 6.4 Guide damaged brake lines out ⇒ Replacing damaged brake line -1- of engine compartment.
- 6.5 Position **new** brake lines ⇒ Replacing damaged brake line -1-.
- 6.6 Remove the stopper.
- 6.7 Screw ⇒ Replacing damaged brake line -2- in union nuts and tighten with **with tightening torque 18 Nm**.
- 6.8 Clip in the grommet ⇒ Replacing damaged brake line -3- in the opposite direction ⇒ Replacing damaged brake line -Arrow direction-.
- 6.9 Clip brake lines ⇒ Replacing damaged brake line -1- into line bracket ⇒ Replacing damaged brake line -3-.

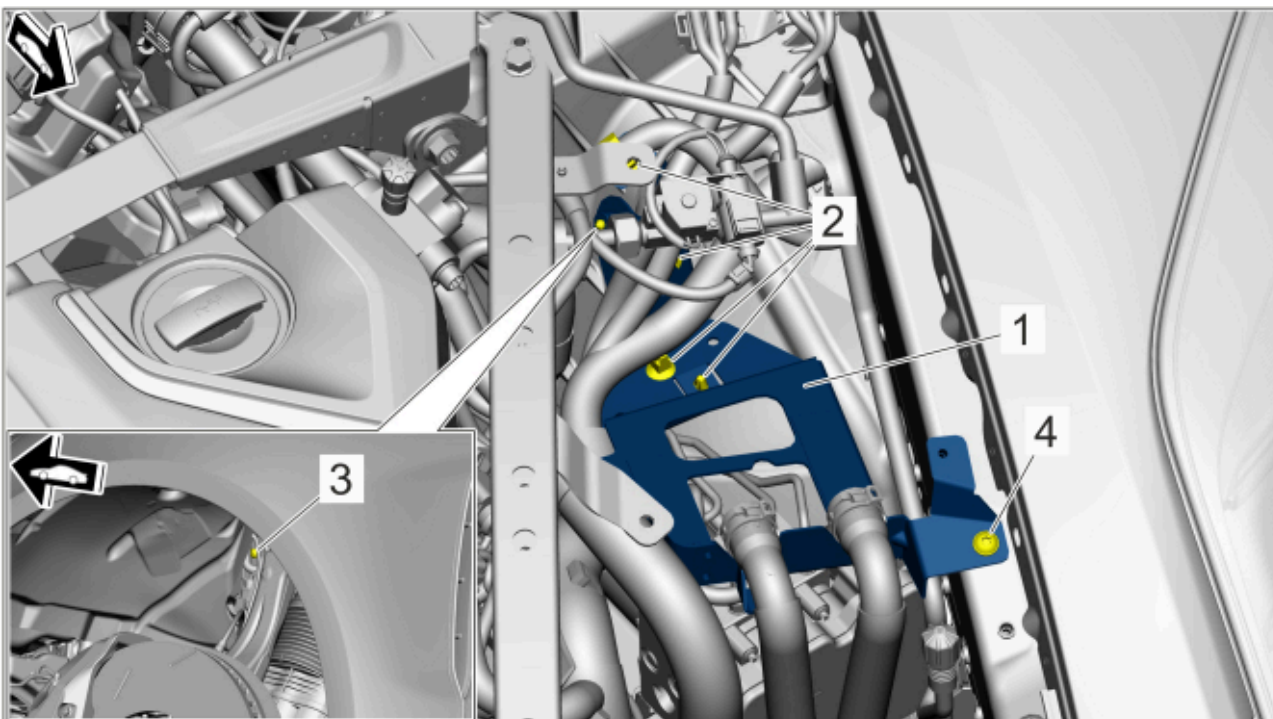
Replacing brake lines (right-hand drive)

- 1 Only for vehicles with PHEV hybrid drive system (M-no. OK3)

Remove electric passenger compartment heater. ⇒ *Workshop Manual '828019 Removing and installing electric passenger compartment heater'*

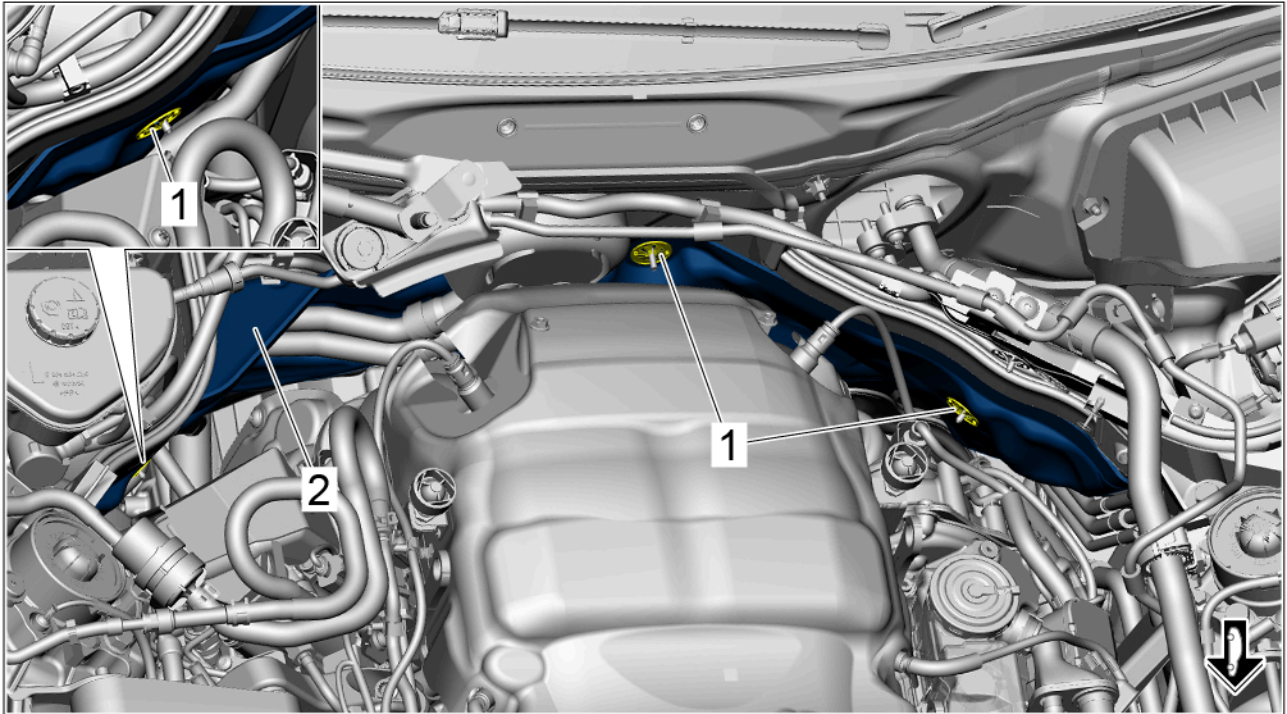
2 Only for vehicles with PHEV hybrid drive system (M-no. 0K3)

Remove electric passenger compartment heater bracket ⇒ *Electric passenger compartment heater bracket -1-*.



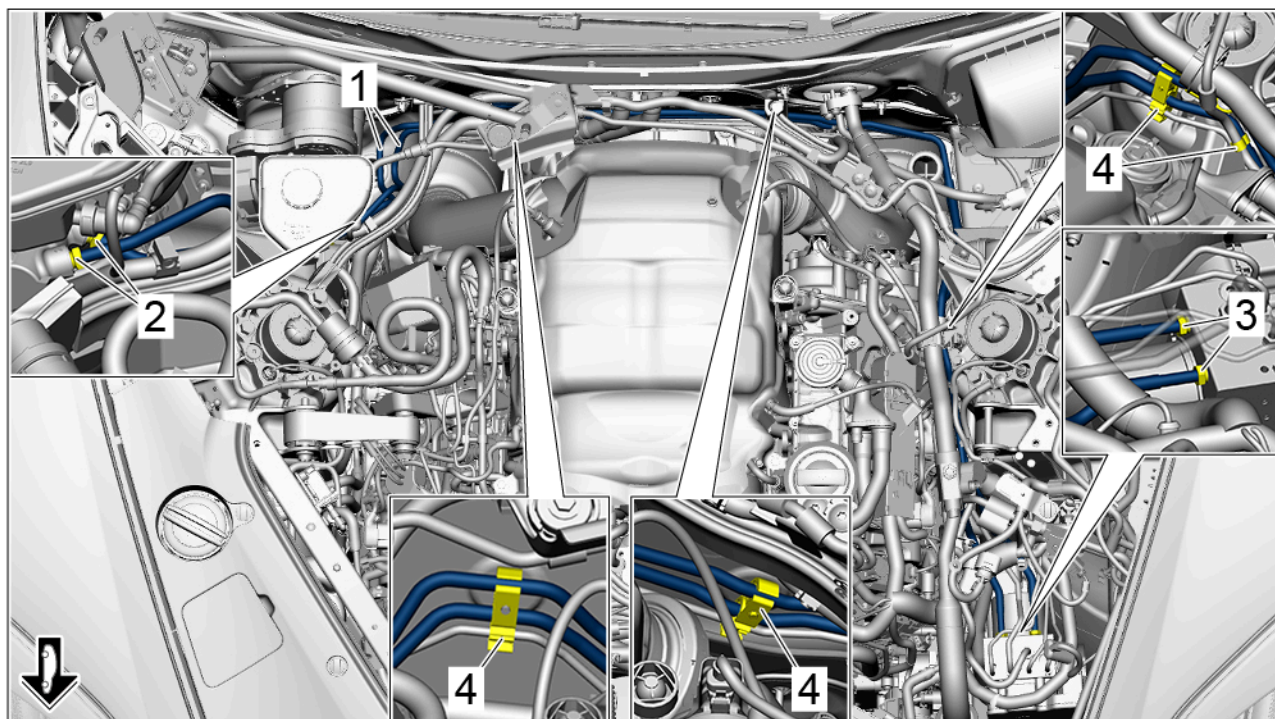
Electric passenger compartment heater bracket

- 2.1 Unclip clips ⇒ *Electric passenger compartment heater bracket -2-*.
- 2.2 Unscrew screw ⇒ *Electric passenger compartment heater bracket -3-* through the wheel housing.
- 2.3 Unscrew screw ⇒ *Electric passenger compartment heater bracket -4-*.
- 3 Remove dome strut and side strut at the left. ⇒ *Workshop Manual '408619 Removing and installing strut (dome strut)'*
- 4 Remove cover. ⇒ *Workshop Manual '108319 Removing and installing engine cover'*
- 5 Expose brake lines.



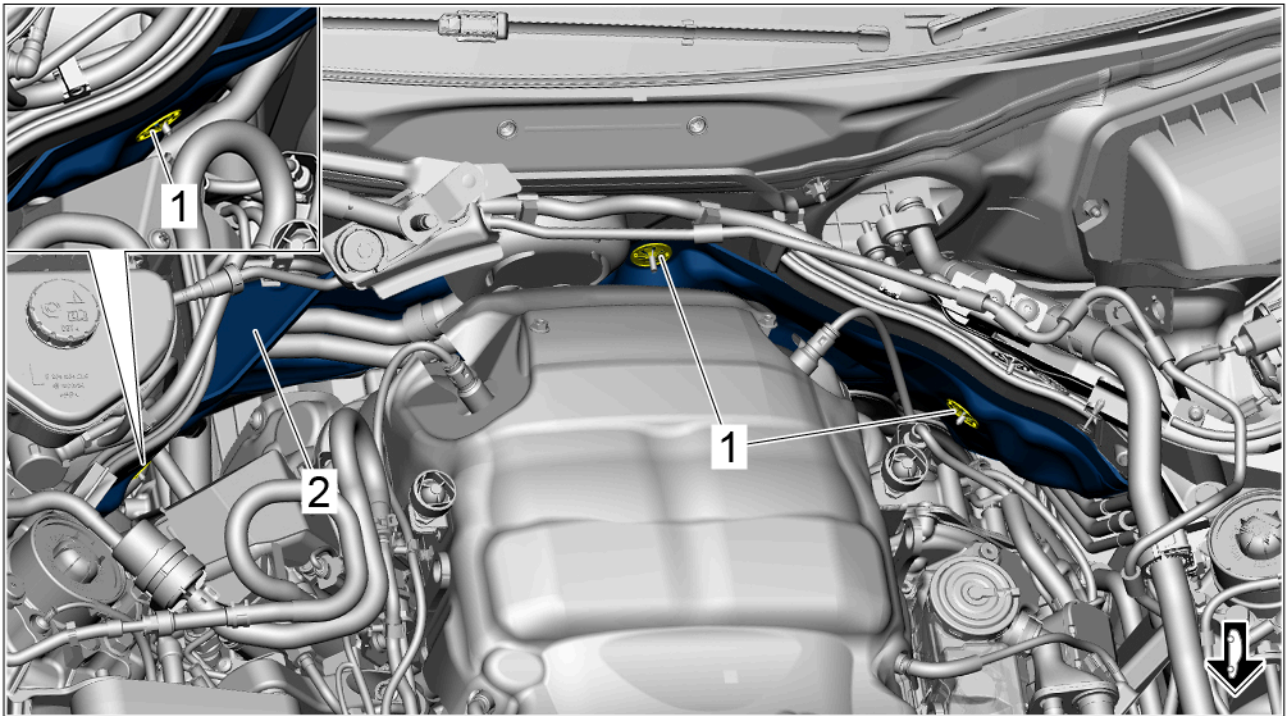
Expose brake lines

- 5.1 Unclip clips ⇒ *Expose brake lines -1-* and set aside noise insulation ⇒ *Expose brake lines -2-* until brake lines become accessible.
- 6 Replace damaged brake lines ⇒ *Replacing damaged brake lines -1-*.



Replacing damaged brake lines

- 6.1 Unscrew ⇒ Replacing damaged brake lines -2 and 3- union nuts, collect leaking brake fluid and close connections on the hydraulic unit and brake master cylinder with suitable stoppers.
 - 6.2 Unclip damaged brake lines ⇒ Replacing damaged brake lines -1- from line brackets ⇒ Replacing damaged brake lines -4-.
 - 6.3 Guide damaged brake lines out ⇒ Replacing damaged brake lines -1- of engine compartment.
 - 6.4 Position **new** brake lines ⇒ Replacing damaged brake lines -1-.
 - 6.5 Remove the stopper.
 - 6.6 Screw ⇒ -2- in union nuts and tighten with **with tightening torque 18 Nm**.
 - 6.7 Clip brake lines ⇒ Replacing damaged brake lines -1- into line bracket ⇒ Replacing damaged brake lines -4-.
- 7 Position noise insulation ⇒ Secure brake lines -2- and clip in the clips ⇒ Secure brake lines -1-.



Secure brake lines

Follow-up actions

- Work Procedure: 1 Bleed the brake system. ⇒ *Workshop Manual '470107 Bleeding brake system'*
- 2 Install cover. ⇒ *Workshop Manual '108319 Removing and installing engine cover'*
- 3 Install dome strut and side strut at the left. ⇒ *Workshop Manual '408619 Removing and installing strut (dome strut)'*
- 4 **Only for vehicles with PHEV hybrid drive system (M-no. 0K3)**
Start the high-voltage system. ⇒ *Workshop Manual '277583 Deactivating / starting up high-voltage system'*
- 5 Installing front trim panel (engine compartment) at the left. ⇒ *Workshop Manual '700219 Remove and install the front trim panel (engine compartment)'*
- 6 Enter the campaign in the Warranty and Maintenance Logbook.

Warranty processing



Information

The specified labor times were determined specifically for carrying out this campaign and include all necessary preliminary and subsequent rework. The labor time may differ from the labor time published in the Labor Operation List in PCSS.

Scope 1:

Checking brake lines

Valid for left-hand drive vehicles (**M-no. LOL**) and right-hand drive vehicles (**M-no. LOR**) with the following equipment:

- **without** alternative drive system (**M-no. OK0**)

Labor time:

Checking brake lines

Labor time: **23 TU**

Includes: Remove and install the left front trim panel (engine compartment)

⇒ **Damage number WRM9 066 000 1**

Scope 2:

Checking brake lines

Valid for left-hand drive vehicles (**M-no. LOL**) and right-hand drive vehicles (**M-no. LOR**) with the following equipment:

- **with** hybrid drive system PHEV (**M-no. OK3**)

Labor time:

Checking brake lines

Labor time: **85 TU**

Includes: Remove and install the left front trim panel (engine compartment)
Deactivating / starting up high-voltage system

⇒ **Damage number WRM9 066 000 1**

Scope 3:

Replacing a brake line

Relevant for left-hand drive vehicles (**M-no. LOL**) with the following equipment:

- **with** hybrid drive system PHEV (**M-no. OK3**)

Labor time:

Replacing a brake line

Labor time: **864 TU**

Includes: Remove and install the left front trim panel (engine compartment)
Deactivating / starting up high-voltage system
Remove and install electric passenger compartment heater
Removing and installing holder for electric passenger compartment heater
Removing and installing strut
Removing and installing left side strut
Remove and install cover
Remove and install brake booster

Required parts:

Part No.	Designation – Location	Quantity
PAE614727B	Brake pipe from the brake master cylinder to the hydraulic system or	1 piece
PAE614739B	Brake pipe from the brake master cylinder to the hydraulic system	1 piece
WHT008539	Hexagon-head bolt with inner multiple-tooth head (Duo) M10 x 80 – Dome strut	2 pieces
PAF912696	Unscrew hexagon nut – Dome strut	2 pieces
N 10664503	Hexagon-head bolt, M8 x 45 – Left strut	1 piece
N 91157202	Collared cheese head bolt with multiple-tooth head, M8 x 30 – Left strut	1 piece
9Y0612161	Seal – Brake booster	1 piece
N 91093502	Internal hexagon oval-head collar screw, self-locking – Knee airbag	2 pieces

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

00004321086	Brake fluid (30 liter/ 7.92 gal)	0.1 pieces
V04015003P	Coolant additive	0.03 pieces

⇒ **Damage number WRM9 066 000 2**

Scope 4: **Replacing a brake line**

Relevant for left-hand drive vehicles **(M-no. LOL)** with the following equipment:

- **with hybrid drive system PHEV (M-no. OK3)**

Labor time:

Replacing a brake line

Labor time: **897 TU**

Includes: Remove and install the left front trim panel (engine compartment)
 Deactivating / starting up high-voltage system
 Remove and install electric passenger compartment heater
 Removing and installing holder for electric passenger compartment heater
 Removing and installing strut
 Removing and installing left side strut
 Remove and install cover
 Remove and install brake booster

Required parts:

Part No.	Designation – Location	Quantity
PAE614727B	Brake pipe from the brake master cylinder to the hydraulic system or	1 piece
PAE614739B	Brake pipe from the brake master cylinder to the hydraulic system	1 piece
WHT008539	Hexagon-head bolt with inner multiple-tooth head (Duo) M10 x 80 – Dome strut	2 pieces
PAF912696	Unscrew hexagon nut – Dome strut	2 pieces
N 10664503	Hexagon-head bolt, M8 x 45 – Left strut	1 piece
N 91157202	Collared cheese head bolt with multiple-tooth head, M8 x 30 – Left strut	1 piece
9Y0612161	Seal - Brake booster	1 piece
N 91093502	Internal hexagon oval-head collar screw, self-locking – Knee airbag	2 pieces

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

00004321086	Brake fluid (30 liter/ 7.92 gal)	0.1 pieces
V04015003P	Coolant additive	0.03 pieces

⇒ **Damage number WRM9 066 000 2**

Scope 5:

Replacing a brake lineRelevant for right-hand drive vehicles (**M-no. LOR**) with the following equipment:

- **with hybrid drive system PHEV (M-no. 0K3)**

Labor time:

Replacing a brake line

Labor time: **493 TU**

Includes: Remove and install the left front trim panel (engine compartment)
Deactivating / starting up high-voltage system
Remove and install electric passenger compartment heater
Removing and installing holder for electric passenger compartment heater
Removing and installing strut
Removing and installing left side strut
Remove and install cover
Loosen and fasten noise insulation

Required parts:

Part No.	Designation – Location	Quantity
PAE614727C	Brake pipe from the brake master cylinder to the hydraulic system or	1 piece
PAE614739C	Brake pipe from the brake master cylinder to the hydraulic system	1 piece
WHT008539	Hexagon-head bolt with inner multiple-tooth head (Duo) M10 x 80 – Dome strut	2 pieces
PAF912696	Unscrew hexagon nut – Dome strut	2 pieces
N 10664503	Hexagon-head bolt, M8 x 45 – Left strut	1 piece
N 91157202	Collared cheese head bolt with multiple-tooth head, M8 x 30 – Left strut	1 piece

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

00004321086	Brake fluid (30 liter/ 7.92 gal)	0.1 pieces
V04015003P	Coolant additive	0.03 pieces

⇒ **Damage number WRM9 066 000 2**

Scope 6:

Replacing a brake line

Relevant for left-hand drive vehicles **(M-no. LOL)** with the following equipment:

- **without** alternative drive system **(M-no. OKO)**

Labor time:

Replacing both brake lines Labor time: **514 TU**

Includes: Remove and install the left front trim panel (engine compartment)
 Removing and installing holder for electric passenger compartment heater
 Removing and installing strut
 Removing and installing left side strut
 Remove and install cover
 Remove and install brake booster

Required parts:

Part No.	Designation – Location	Quantity
PAE614727B	Brake pipe from the brake master cylinder to the hydraulic system or	1 piece
PAE614739B	Brake pipe from the brake master cylinder to the hydraulic system	1 piece
WHT008539	Hexagon-head bolt with inner multiple-tooth head (Duo) M10 x 80 – Dome strut	2 pieces
PAF912696	Unscrew hexagon nut – Dome strut	2 pieces
N 10664503	Hexagon-head bolt, M8 x 45 – Left strut	1 piece
N 91157202	Collared cheese head bolt with multiple-tooth head, M8 x 30 – Left strut	1 piece
9Y0612161	Seal - Brake booster	1 piece
N 91093502	Internal hexagon oval-head collar screw, self-locking – Knee airbag	2 pieces

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

00004321086	Brake fluid (30 liter/ 7.92 gal)	0.1 pieces
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⇒ **Damage number WRM9 066 000 2**

Scope 7:

Replacing a brake lineRelevant for right-hand drive vehicles (**M-no. LOR**) with the following equipment:

- **without** alternative drive system (**M-no. OKO**)

Labor time:

Replacing both brake lines

Labor time: **221 TU**

Includes: Remove and install the left front trim panel (engine compartment)
 Removing and installing strut
 Removing and installing left side strut
 Remove and install cover
 Loosen and fasten noise insulation

Required parts:

Part No.	Designation – Location	Quantity
PAE614727C	Brake pipe from the brake master cylinder to the hydraulic system or	1 piece
PAE614739C	Brake pipe from the brake master cylinder to the hydraulic system	1 piece
WHT008539	Hexagon-head bolt with inner multiple-tooth head (Duo) M10 x 80 – Dome strut	2 pieces
PAF912696	Unscrew hexagon nut – Dome strut	2 pieces
N 10664503	Hexagon-head bolt, M8 x 45 – Left strut	1 piece
N 91157202	Collared cheese head bolt with multiple-tooth head, M8 x 30 – Left strut	1 piece

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

00004321086	Brake fluid (30 liter/ 7.92 gal)	0.1 pieces
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⇒ **Damage number WRM9 066 000 2**

Scope 8: **Replacing both brake lines**

Relevant for left-hand drive vehicles **(M-no. LOL)** with the following equipment:

- **with hybrid drive system PHEV (M-no. 0K3)**

Labor time:

Replacing both brake lines

Labor time: **890 TU**

Includes: Remove and install the left front trim panel (engine compartment)
 Deactivating / starting up high-voltage system
 Remove and install electric passenger compartment heater
 Removing and installing holder for electric passenger compartment heater
 Removing and installing strut
 Removing and installing left side strut
 Remove and install cover
 Remove and install brake booster

Required parts:

Part No.	Designation – Location	Quantity
PAE614727B	Brake pipe from the brake master cylinder to the hydraulic system	1 piece
PAE614739B	Brake pipe from the brake master cylinder to the hydraulic system	1 piece
WHT008539	Hexagon-head bolt with inner multiple-tooth head (Duo) M10 x 80 – Dome strut	2 pieces
PAF912696	Unscrew hexagon nut – Dome strut	2 pieces
N 10664503	Hexagon-head bolt, M8 x 45 – Left strut	1 piece
N 91157202	Collared cheese head bolt with multiple-tooth head, M8 x 30 – Left strut	1 piece
9Y0612161	Seal – Brake booster	1 piece
N 91093502	Internal hexagon oval-head collar screw, self-locking – Knee airbag	2 pieces

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

00004321086	Brake fluid (30 liter/ 7.92 gal)	0.1 pieces
V04015003P	Coolant additive	0.03 pieces

⇒ **Damage number WRM9 066 000 2**

Scope 9:

Replacing both brake linesRelevant for left-hand drive vehicles (**M-no. LOL**) with the following equipment:

- **with hybrid drive system PHEV (M-no. OK3)**

Labor time:

Replacing both brake lines

Labor time: **923 TU**

Includes:

- Remove and install the left front trim panel (engine compartment)
- Deactivating / starting up high-voltage system
- Remove and install electric passenger compartment heater
- Removing and installing holder for electric passenger compartment heater
- Removing and installing strut
- Removing and installing left side strut
- Remove and install cover
- Remove and install brake booster

Required parts:

Part No.	Designation – Location	Quantity
PAE614727B	Brake pipe from the brake master cylinder to the hydraulic system	1 piece
PAE614739B	Brake pipe from the brake master cylinder to the hydraulic system	1 piece
WHT008539	Hexagon-head bolt with inner multiple-tooth head (Duo) M10 x 80 – Dome strut	2 pieces
PAF912696	Unscrew hexagon nut – Dome strut	2 pieces
N 10664503	Hexagon-head bolt, M8 x 45 – Left strut	1 piece
N 91157202	Collared cheese head bolt with multiple-tooth head, M8 x 30 – Left strut	1 piece
9Y0612161	Seal – Brake booster	1 piece
N 91093502	Internal hexagon oval-head collar screw, self-locking – Knee airbag	2 pieces

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

00004321086	Brake fluid (30 liter/ 7.92 gal)	0.1 pieces
V04015003P	Coolant additive	0.03 pieces

⇒ **Damage number WRM9 066 000 2**

Scope 10:

Replacing both brake lines

Relevant for right-hand drive vehicles (**M-no. LOR**) with the following equipment:

- **with hybrid drive system PHEV (M-no. 0K3)**

Labor time:

Replacing both brake lines

Labor time: **531 TU**

Includes: Remove and install the left front trim panel (engine compartment)
 Deactivating / starting up high-voltage system
 Remove and install electric passenger compartment heater
 Removing and installing holder for electric passenger compartment heater
 Removing and installing strut
 Removing and installing left side strut
 Remove and install cover
 Loosen and fasten noise insulation

Required parts:

Part No.	Designation – Location	Quantity
PAE614727C	Brake pipe from the brake master cylinder to the hydraulic system	1 piece
PAE614739C	Brake pipe from the brake master cylinder to the hydraulic system	1 piece
WHT008539	Hexagon-head bolt with inner multiple-tooth head (Duo) M10 x 80 – Dome strut	2 pieces
PAF912696	Unscrew hexagon nut – Dome strut	2 pieces
N 10664503	Hexagon-head bolt, M8 x 45 – Left strut	1 piece
N 91157202	Collared cheese head bolt with multiple-tooth head, M8 x 30 – Left strut	1 piece

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

00004321086	Brake fluid (30 liter/ 7.92 gal)	0.1 pieces
V04015003P	Coolant additive	0.03 pieces

⇒ **Damage number WRM9 066 000 2**

Scope 11:

Replacing both brake linesRelevant for left-hand drive vehicles (**M-no. LOL**) with the following equipment:

- **without** alternative drive system (**M-no. OK0**)

Labor time:

Replacing both brake lines

Labor time: **540 TU**

Includes: Remove and install the left front trim panel (engine compartment)
 Removing and installing holder for electric passenger compartment heater
 Removing and installing strut
 Removing and installing left side strut
 Remove and install cover
 Remove and install brake booster

Required parts:

Part No.	Designation – Location	Quantity
PAE614727B	Brake pipe from the brake master cylinder to the hydraulic system	1 piece
PAE614739B	Brake pipe from the brake master cylinder to the hydraulic system	1 piece
WHT008539	Hexagon-head bolt with inner multiple-tooth head (Duo) M10 x 80 – Dome strut	2 pieces
PAF912696	Unscrew hexagon nut – Dome strut	2 pieces
N 10664503	Hexagon-head bolt, M8 x 45 – Left strut	1 piece
N 91157202	Collared cheese head bolt with multiple-tooth head, M8 x 30 – Left strut	1 piece
9Y0612161	Seal – Brake booster	1 piece
N 91093502	Internal hexagon oval-head collar screw, self-locking – Knee airbag	2 pieces

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

00004321086	Brake fluid (30 liter/ 7.92 gal)	0.1 pieces
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⇒ **Damage number WRM9 066 000 2**

Scope 12:

Replacing both brake lines

Relevant for right-hand drive vehicles (**M-no. LOR**) with the following equipment:

- **without** alternative drive system (**M-no. OKO**)

Labor time:

Replacing both brake lines

Labor time: **258 TU**

Includes: Remove and install the left front trim panel (engine compartment)
 Removing and installing strut
 Removing and installing left side strut
 Remove and install cover
 Loosen and fasten noise insulation

Required parts:

Part No.	Designation – Location	Quantity
PAE614727C	Brake pipe from the brake master cylinder to the hydraulic system	1 piece
PAE614739C	Brake pipe from the brake master cylinder to the hydraulic system	1 piece
WHT008539	Hexagon-head bolt with inner multiple-tooth head (Duo) M10 x 80 – Dome strut	2 pieces
PAF912696	Unscrew hexagon nut – Dome strut	2 pieces
N 10664503	Hexagon-head bolt, M8 x 45 – Left strut	1 piece
N 91157202	Collared cheese head bolt with multiple-tooth head, M8 x 30 – Left strut	1 piece

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

00004321086	Brake fluid (30 liter/ 7.92 gal)	0.1
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⇒ **Damage number WRM9 066 000 2**

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