Cayman GT4 RS Manthey Kit

Vehicle Type: **718 Cayman GT4 RS**

Model Year: **As of 2022**

Cause: **Retrofitting**

Note: The Manthey Kit for the Cayman GT4 RS (type 982) was developed in close collaboration between the Porsche Development Center in Weissach and Manthey Racing GmbH.

The Tequipment range is targeted to motor sports enthusiasts and amateur motor sports drivers.

NOTICE

- **The individual components of the Cayman GT4 RS Manthey Kit are precisely matched. For this reason, they must only be installed together on the vehicle. Individual offers are shown separately.**

Parts Info:

982.044.805.00	Cayman GT4 RS (type 982) Manthey Kit For vehicles with Front Axle Lift system and Weissach magnesium wheel set
982.044.805.01	Cayman GT4 RS (type 982) Manthey Kit For vehicles without Front Axle Lift system and with Weissach magnesium wheel set
982.044.805.02	Cayman GT4 RS (type 982) Manthey Kit For vehicles with Front Axle Lift system and aluminium wheelset
982.044.805.03	Cayman GT4 RS (type 982) Manthey Kit For vehicles without Front Axle Lift system and with aluminium wheelset

Parts to be ordered separately

WHT.008.186	4x	⇒ Brake calliper cheese head bolt
PAF.909.664	4x	⇒ Front wishbone hexagon collar nut
PAF.005.217	6x	⇒ Wheel housing ventilation rivets
9A7.008.677.00	2x	⇒ Hexagon-head bolt on spring strut on upper wheel bearing housing
PAF.909.664	2x	⇒ Hexagon collar nut for connecting link to wheel bearing housing
PAF.007.957	2x	⇒ Hexagon attachment nut for connecting link to anti-roll bar
WHT.007.021	2x	⇒ Hexagon nut drive shaft
9A7.007.585.00	4x	⇒ Brake calliper cheese head bolt

999.073.509.02	4x	⇒ Screws for rear spoiler
000.043.305.38	1 x	⇒ Adhesive

Suspension alignment: Intermediate plates may be required for adjusting the camber values on the front axle. Order the required intermediate plates accordingly:

996.341.543.91	2x	⇒ Intermediate plate, 2.0 mm

NOTICE

Vehicle and driver weight

- **Before starting the alignment, please ensure the following conditions are met:**

⇒ **Fuel tank is completely full**

⇒ **Driver's weight (incl. helmet and racing suit) has been determined or requested and is placed on the driver's seat with an equivalent weight**

Information

Please pass all of this information on to the customer.

In addition, provide the customer with the Race Circuit brochure included with the scope of parts.

Information

- Some of the repair illustrations show only one side of the vehicle or a similar component.
- Naturally, some steps also have to be performed on the opposite side of the vehicle as well.

Content:

Assembly:

1 Preparatory work

1.1 Connect a battery charger. ⇒ *Workshop Manual '2X00IN Battery trickle charge'*

2 Installing the door sill trims

Set – Door entry guards - 982.044.806.50
1 – Door entry guard, left

2.1 Remove standard door entry guard. ⇒ *Workshop Manual '680719 Removing and installing cover strip'*

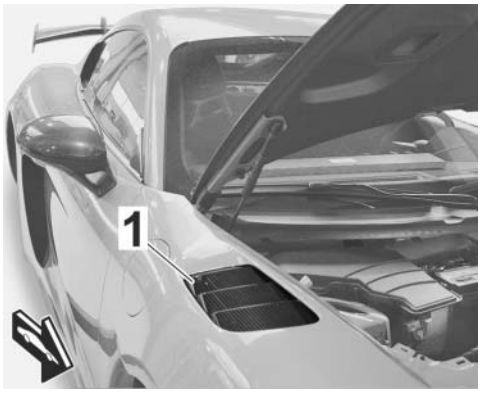
2.2 Install illuminated door entry guard ⇒ *1* **-1-**. For instructions, see ⇒ *Installation and Conversion Instructions '680719 Door-sill guard, illuminated'*

1

3 Installation of air outlets (wing vanes)

1 – Air outlet, right - 982.044.806.06 (left - 982.044.806.05)

3.1 Remove air outlet (wing vanes) and install new air outlet ⇒ *2* **-1-**. For instructions, see ⇒ *Workshop Manual '66091935 Installing and removing air outlet (wing vanes)'*.
Leave front bumper removed.



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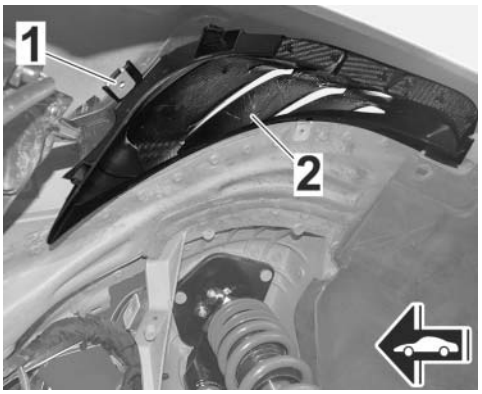
3.2 Remove clamping nut ⇒ *3* **-1-** from the old air inlet and install it on the new air inlet (wing vanes) ⇒ *3* **-2-**.



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4 Mounting of the flaps on the front bumper

Information

If a stone guard film is bonded on the front apron, it must be **replaced** with a new stone guard film.

1 – Flap, top left - 982.044.806.01 / bottom left - 982.044.806.03 (top right - 982.044.806.02 / bottom right - 982.044.806.04)

2 – Front spoiler, left side - 982.044.806.07 (right - 982.044.806.08)

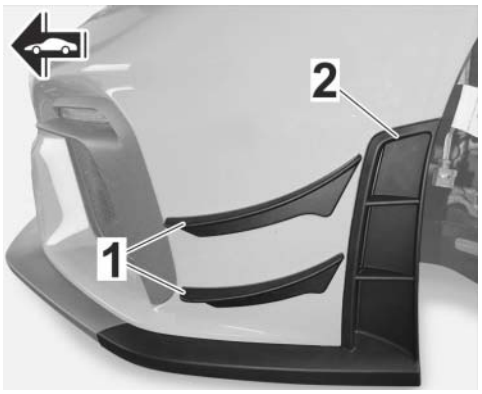

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Figure 2 shows completely mounted front part with new double flaps and side front spoiler.

4.1 Modifying front bumper

4.1.1 Removing lower front part. ⇒ *Workshop Manual '66101925 Removing and installing lower front part'*
Lower front part is no longer required.

4.1.2 Remove front spoiler (laterally). ⇒ *Workshop Manual '66031937 Removing and installing front spoiler (laterally)'*

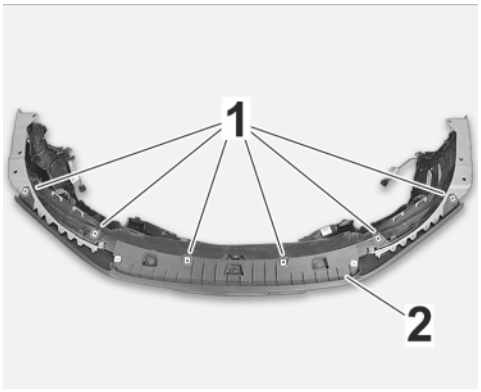
4.1.3 Install front air guide grille (air guide). ⇒ *Workshop Manual '66041935 Removing and installing front air grille (air guide)'*

4.1.4 Convert clamping nuts ⇒*5* **-1-** from lower front part to bumper ⇒ *5* **-2-**.

4.1.5 Install front bumper. ⇒*Workshop Manual '631519 Remove and install front bumper'*

All four wheels can be removed.

Wheel housing liner can be removed.



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4.2 Installing new front spoiler (side)

4.2.1 Thoroughly clean the adhesive surfaces with isopropanol (alcohol). The adhesive surfaces must be free from dust, dirt and grease of any kind.

4.2.2 Remove protective film on adhesive strips.

4.2.3 Install front spoiler (side) ⇒*6* **-1-**. For this purpose, engage and press in new front spoiler (side) ⇒*6* **-1-**.

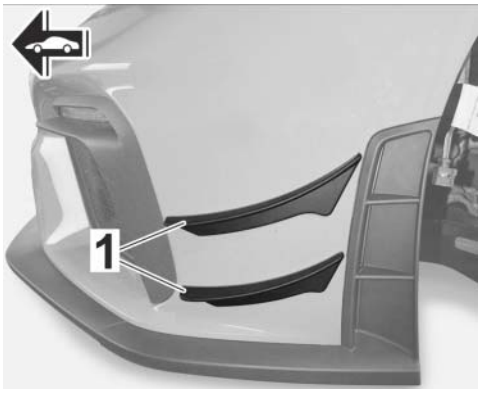
6

4.3 Installing new flaps on the front bumper

4.3.1 Thoroughly clean the adhesive surfaces with isopropanol (alcohol). The adhesive surfaces must be free from dust, dirt and grease of any kind.

4.3.2 Pull off protective films.

4.3.3 Install, align and press flaps ⇒*7* **-1-** using the rear positioning lugs on the nose.



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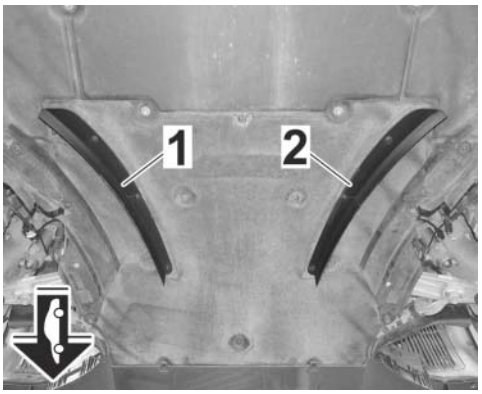
5 Mounting the air control elements on the underbody

Set – Air-guide element, left - 982.044.806.55
1 – Air-guide element, left
2 – Air-guide element, right

5.1 Unscrew screws and remove old air-guide element.



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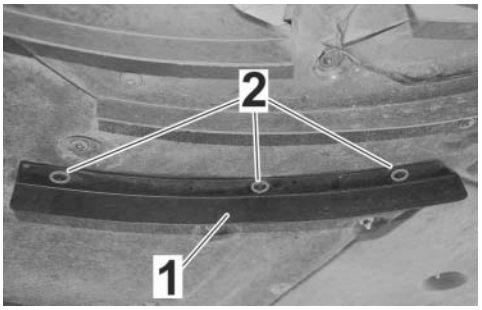
5.2 Install new air-guide elements ⇒ **-1-** and tighten screws ⇒ **-2-**.



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6 Installing the air intake grille (side air intake panel)

1 – Air intake grille, top left - 982.044.806.22 (top right - 982.044.806.23)
2 – Air intake grille, bottom left - 982.044.806.24 (bottom right - 982.044.806.25)

6.1 Clean air intake.

6.2 Loosen door entry guard until the air intake grilles are accessible from the rear. For instructions, see ⇒ *Workshop Manual '663119 Removing and installing door entry guard'*.

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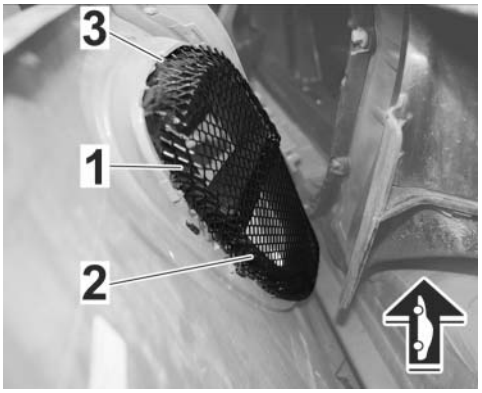
6.3 Install air intake grille ⇒*11* **-1, 2-** from the rear on the side of the air intake panel⇒*11* **-3-**.

6.4 Install door entry guard. For instructions, see ⇒*Workshop Manual '663119 Removing and installing door entry guard'*.



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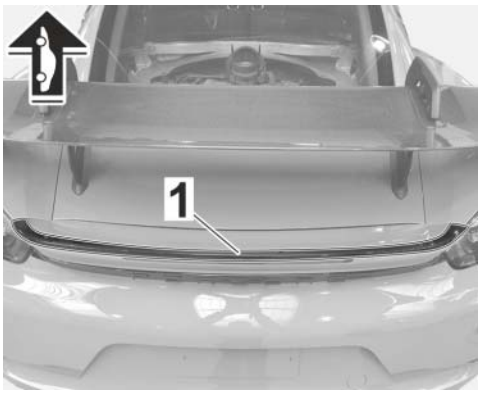
7 Mounting rear spoiler attachment

1 – Rear spoiler attachment - 982.044.806.12

7.1 Thoroughly clean the mounting surface in the area of the rear spoiler attachment with isopropanol (alcohol).
The adhesive surfaces must be free from dust, dirt and grease of any kind.

7.2 Remove protective film on rear spoiler attachment.

7.3 Guide the rear spoiler attachment in the area of the rear lights in the gap between the body and standard spoiler, center it and press it on.



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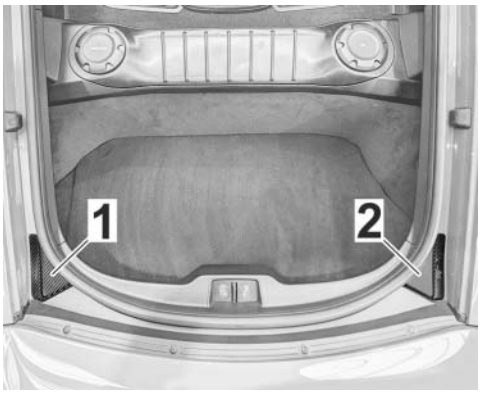
8 Mounting the tailgate reinforcements

Set – Tailgate reinforcement - 982.044.806.11
1 – Reinforcement, left - KS000903
2 – Reinforcement, right - KS000904



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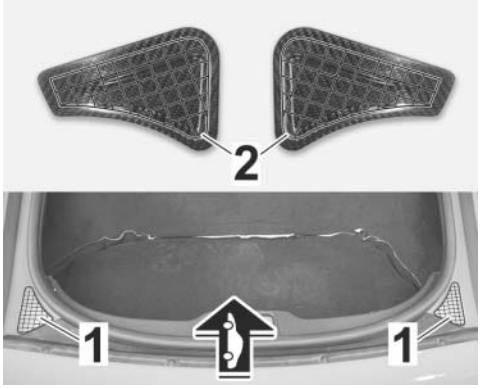
8.1 Mark and seal adhesive surfaces in the rear area ⇒*14* **-1-** to protect the other areas using the reinforcements ⇒*14* **-2-**. Then roughen adhesive surfaces in the rear ⇒*14* **-1-** and on the reinforcements ⇒*14* **-2-** with sandpaper (240 grit).

8.2 Thoroughly clean the adhesive surfaces ⇒*14* **-1-** with isopropanol (alcohol). The adhesive surfaces must be free from dust, dirt and grease of any kind.



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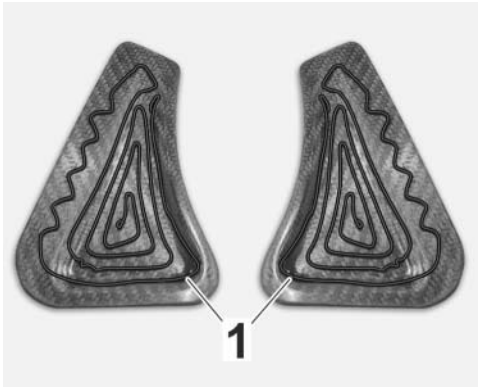
8.3 Apply the adhesive with part number 00004330538 on reinforcements ⇒*15* **-1-**.

8.4 Position and press on reinforcements ⇒*13* **-1, 2-**.
Remove excess adhesive.

8.5 Press on reinforcements using the stop buffer when the tailgate is closed and observe the adhesive drying time.



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NOTICE

- **Only the standard rear wing setting (flat) and fully closed front diffusors are permitted for road use:**

⇒ **Front wing mount in direction of travel: Screw-in position for bottom bore**

⇒ **Rear wing mount in direction of travel: Screw-in position for top bore**

Information

The fastening screws on the rear wing **must be replaced after loosening**. The nuts can still be used.

9 Mounting rear spoiler (wing)

9.1 Remove rear spoiler (wing). ⇒*Workshop Manual '66581939 Removing and installing rear spoiler (wing)'*

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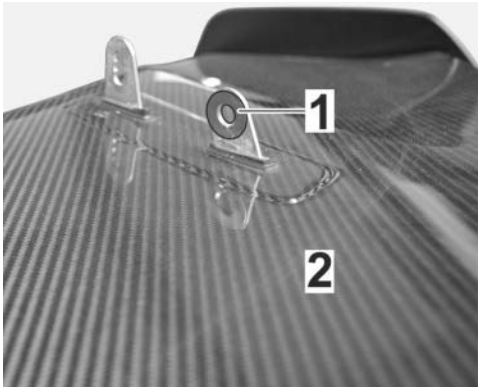
1 – Rear spoiler (wing) - 982.044.806.10

9.2 Install metal discs ⇒*17* **-1-** from the old rear spoiler into the rear upper holes of the new rear spoiler ⇒*17* **-2-**.



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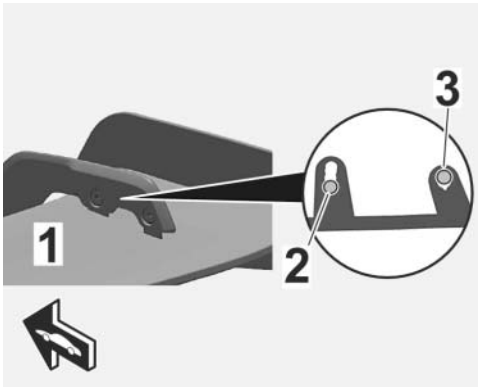
Information

Other positions are only intended and permitted for race circuit driving. For further information, see the “Manthey Kit - Additional information on race circuit driving” brochure.

9.3 Install new rear spoiler (wing) ⇒*18* **-1-** using the standard rear wing adjustment:
Front wing mount in direction of travel:
Screw-in position for lowest bore ⇒*18* **-2-**.
Rear wing mount in direction of travel:
Screw-in position for top bore ⇒*18* **-3-**.
For instructions, see ⇒*Workshop Manual '66581939 Removing and installing rear spoiler (wing)'*



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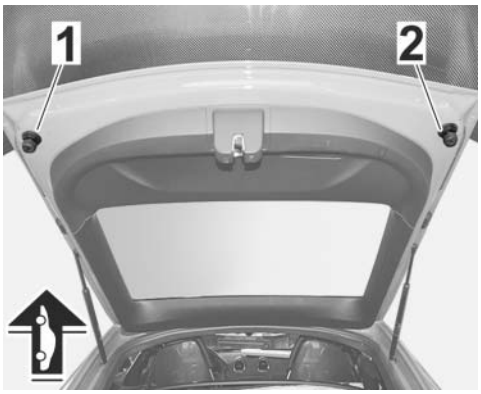
10 Mounting rear lid adjusting elements



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Set – Stop buffer - 982.044.806.53
1 – Stop buffer, left
2 – Stop buffer, right

10.1 Release locking lugs on old stop buffer and remove stop buffer from rear lid.

10.2 Install new stop buffer ⇒*19* **-1, 2-**.

10.3 Check adjustment of rubber stops at the sides using the paper strip test. For instructions, see ⇒*Workshop Manual '66581939 Adjusting rear lid'*

WARNING

Preloaded or pressurized components

- **Risk of squashing or bruising**

⇒ **Do not reach into the danger area.**

⇒ **Relieve tension on components before starting work.**

⇒ **Secure components to prevent them from becoming detached suddenly.**

Information

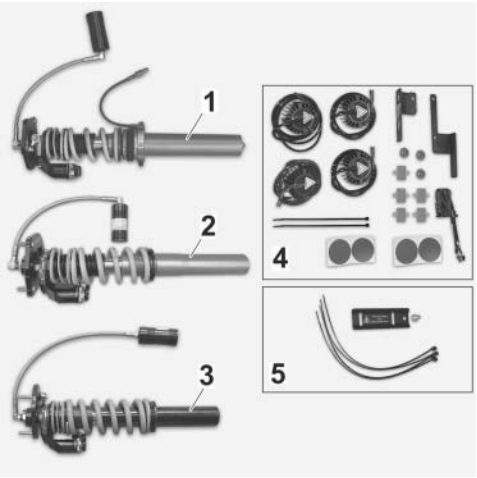
The new front spring strut **without** front axle lift comes pre-mounted.

11 Chassis assembly

All four wheels can be removed as described in the Chassis section.

Kit with front axle lift – 4 dampers/springs/strut bearings incl. PASM deactivation kit - 982.044.806.17

Kit without front axle lift – 4 dampers/springs/strut bearings incl. PASM deactivation kit - 982.044.806.20



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1 – Front-axle spring strut with front axle lift - 982.044.806.18 (LR) / 982.044.806.28 (RR)

2 – Front-axle spring strut without front axle lift - 982.044.806.21 (LR) / 982.044.806.27 (RR)

3 – Rear-axle spring strut - 982.044.806.19 (LR) / 982.044.806.29 (RR)

4 – PASM deactivation kit

5 – Front right expansion tank assembly kit

11.1 Remove all four wheels. ⇒*Workshop Manual '440519 Removing and installing wheel with central bolt'*

11.2 Removing front spring strut. ⇒*Workshop Manual '408519 Removing and installing front spring strut'*

11.3 Converting front axle lift

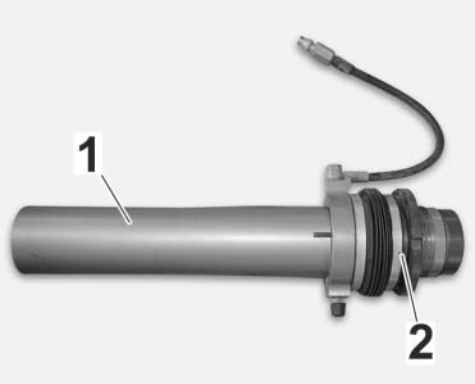
Only for vehicles with front axle lift system.

11.3.1 Disassemble front spring strut. ⇒*Workshop Manual '408537 Disassembling and assembling front spring strut'*

11.3.2 Remove the lift unit from spring strut evenly to avoid binding (use plastic hammer).

Do not tilt the lift unit.

11.3.3 Install lift unit ⇒*21* **-2-** onto new damper housing ⇒*21* **-1-**. Push lift unit onto the damper housing as far as it will go (use plastic hammer). Spring seat and lock ring remain on the lift unit and are reused.
Do not tilt the lift unit.



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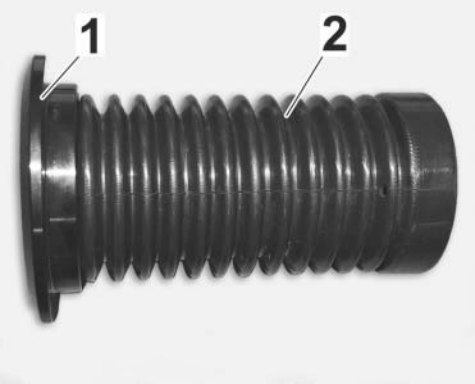
11.3.4 Install bellows ⇒*22* **-2-** in spring seat ⇒*22* **-1-**.
Bellows must be hung into the groove of the spring seat.



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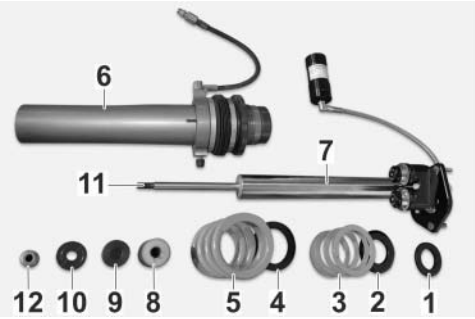
11.4 Assembling new front spring strut **with** front axle lift
Only for vehicles with front axle lift system.

11.4.1 Move axial bearing ⇒*23* **-1-**, spring seat ⇒*23* **-2-** with mounted bellows, helper spring ⇒*23* **-3-**, intermediate ring ⇒*23* **-4-**, coil spring ⇒*23* **-5-** on spring strut ⇒*23* **-7-**.
The intermediate ring must face the short side of the helper spring.

11.4.2 Install spring travel limiter ⇒*23* **-8-**, spacer ⇒*23* **-9-** and bleeder shim ⇒*23* **-10-** on piston rod ⇒*23* **-11-**. The grooves in the bleeder shim must point downwards (in the direction of the piston rod).
Use damper clamping tool (MT000284A) for spring struts with lift!

11.4.3 Slide damper housing ⇒*23* **-6-** onto spring strut ⇒*23* **-7-** and tighten with nut ⇒*23* **-12-**. Hold the housing under slight pressure to prevent the piston rod from accidentally slipping out of its seat in the housing.
Medium-strength Loctite must be used.
Tightening torque 40 Nm (29.5 ftlb.)



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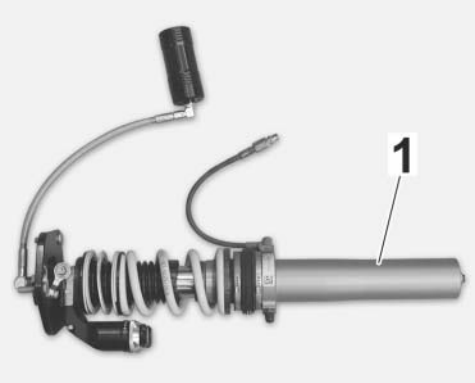
11.5 Front axle damper setting:
LowSpeed pressure stage (small wheel C/black): Position 7
HighSpeed pressure stage (small wheel C/gold): Position 7
LowSpeed rebound stage (small wheel R/black): Position 8
HighSpeed rebound stage (small wheel R/gold): Position 8

11.6 Install new spring strut ⇒*24* **-1-**. ⇒ *Workshop Manual '408519 Removing and installing front spring strut'*
Do not re-install the cover yet.
The adjustment wheels for adjusting the damping force must point towards the center of the vehicle.
First guide the expansion tank through the opening in the boot and secure it.
Only for vehicles with front axle lift system:
Only connect the lift system to the vehicle after installing the line adapter (angled pipe).



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11.7 Pre-set chassis height for suspension alignment.

Front axle without lift:
Dimension of lower edge of spring seat to upper edge of wheel carrier: **17 mm**.

Front axle with lift:
Dimension of lower edge of spring seat to upper edge of wheel carrier **10 mm**.

11.8 Installing line adapter (angled pipe) for hydraulic lift system
Only for vehicles with front axle lift system.

1 – Angled pipe consisting of adapter piece, sealing rings, hollow screw and banjo bolt

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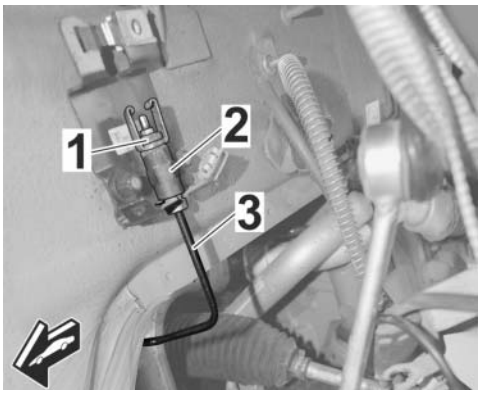
11.8.1 Remove the standard quick connector ⇒*26* **-1-** and intermediate piece ⇒*26* **-2-** from the rigid pipe section ⇒*26* **-3-**.
O-ring remains on quick connector.
Check sealing ring for damage.



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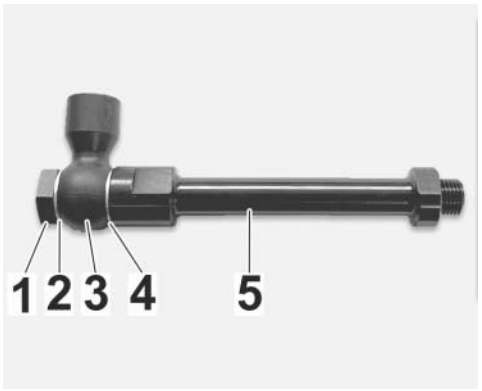
11.8.2 Install banjo bolt ⇒*27* **-1-** with sealing ring ⇒*27* **-2-**, hollow screw ⇒*27* **-3-** and second sealing ring ⇒*27* **-4-** to adapter piece ⇒*27* **-5-**.

Tightening torque 23 Nm (17 ftlb.)



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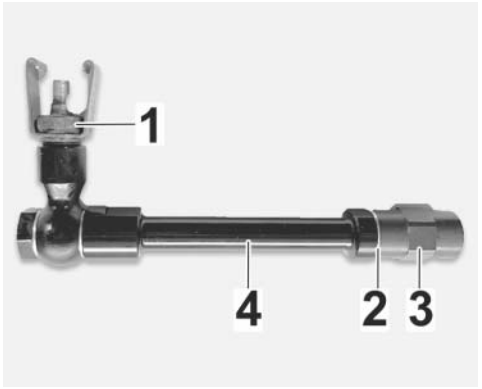
11.8.3 Install standard quick connector ⇒*28* **-1-** with O-ring and intermediate piece ⇒*28* **-3-** with new sealing ring ⇒*28* **-2-** to adapter piece ⇒*28* **-4-**. **-1- Tightening torque 11 Nm (8.1 ftlb.) -3- Tightening torque 23 Nm (17 ftlb.)**

11.8.4 Screw line adapter (angled pipe) ⇒*29* **-5-** to rigid pipe section ⇒*29* **-6-**.

11.8.5 Install clamping plate ⇒*29* **-3-** and tighten screw ⇒*29* **-4-**.



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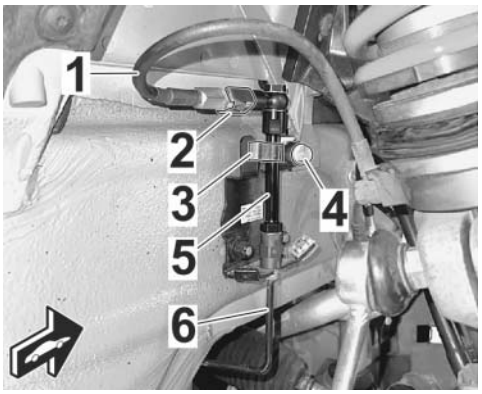
11.8.6 Connect lift system hose piece ⇒ *29* **-1-** to quick connector ⇒ *29* **-2-**.
Hose loop must always face against the direction of travel! Ensure the lift system line is not twisted or under strain.

11.8.7 Bleed lift system and check for leaks. ⇒ *Workshop Manual '430107 Bleeding the level control (front axle lift system)'*



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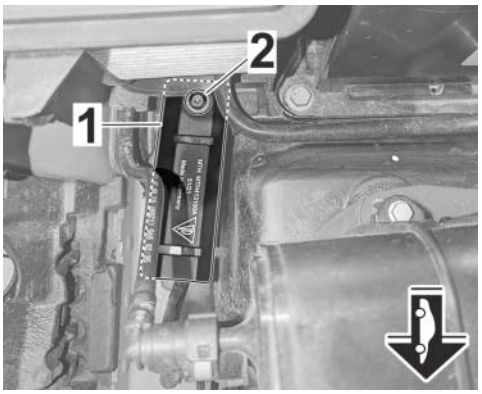
11.9 Mounting front expansion tank

11.9.1 Mounting front right expansion tank

11.9.2 Unscrew front screw ⇒ *30* **-2-** from air inlet housing. And remove air quality sensor from air inlet housing.

11.9.3 Install holder ⇒ *30* **-1-** with new screw ⇒ *30* **-2-** onto screw point on air inlet housing interior.



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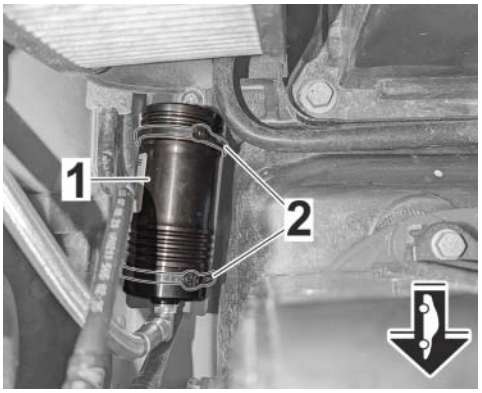
11.9.4 Secure expansion tank ⇒ *31* **-1-** to holder with tie-wraps ⇒ *31* **-2-**.
Ensure the lift system line is not twisted or under strain.

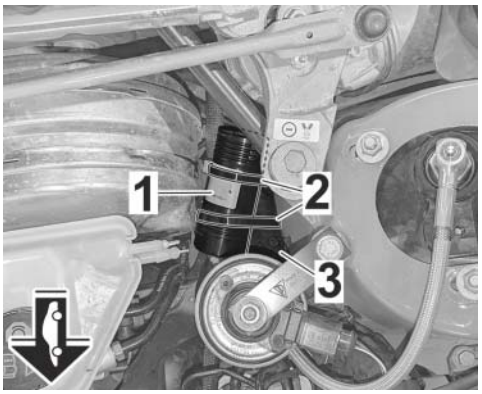
11.9.5 Mounting front left expansion tank

11.9.6 Secure expansion tank ⇒ *32* **-1-** with tie-wraps ⇒ *32* **-2-** to wiring harness ⇒ *32* **-3-**.



31

Ensure the lift system line is not twisted or under strain.

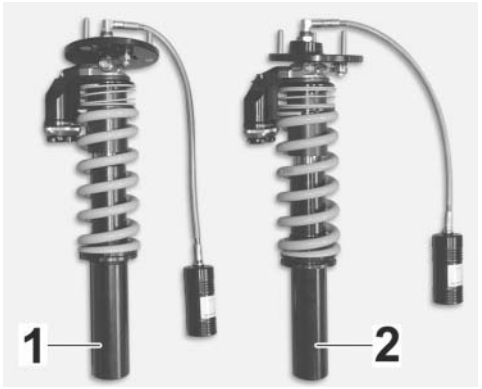


32

11.10 Replacing rear spring strut

1 – Spring strut, rear left - 982.044.806.19

1 – Spring strut, rear right - 982.044.806.29



33

11.10.1 Remove rear spring strut. ⇒ *Workshop Manual '427119 Removing and installing rear spring strut'*

11.10.2 Rear axle damper setting:
LowSpeed pressure stage (small wheel C/black): Position 7
HighSpeed pressure stage (small wheel C/gold): Position 7
LowSpeed rebound stage (small wheel R/black): Position 7
HighSpeed rebound stage (small wheel R/gold): Position 7

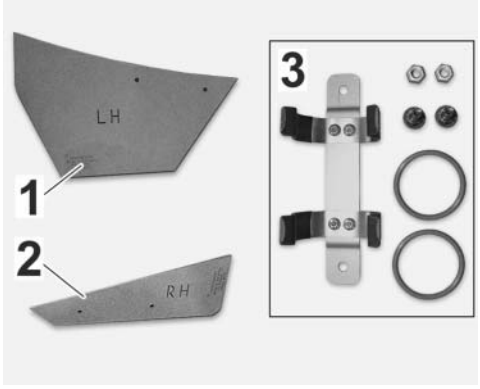
11.10.3 Install rear spring strut. ⇒ *Workshop Manual '427119 Removing and installing rear spring strut'*
Guide the expansion tank on the damper through the openings in the dome and secure it in the boot.
The adjustment wheels for adjusting the damping force must be angled forward in the cut-out on the body.
Do not reinstall rear cover.

11.10.4 Pre-set chassis height for suspension alignment.
Dimension of lower edge of spring seat to upper edge of wheel carrier: **45 mm**

11.11 Mounting the rear expansion tank

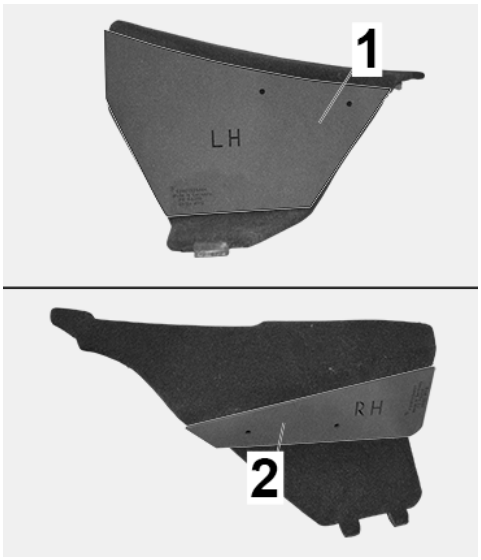
1 – Template, left - KS001623
2 – Template, right - KS001624
3 – Fastening material (2x)

11.11.1 Remove rear boot side trim panel. ⇒ *Workshop Manual '700319 Removing and installing boot side trim panel rear'*



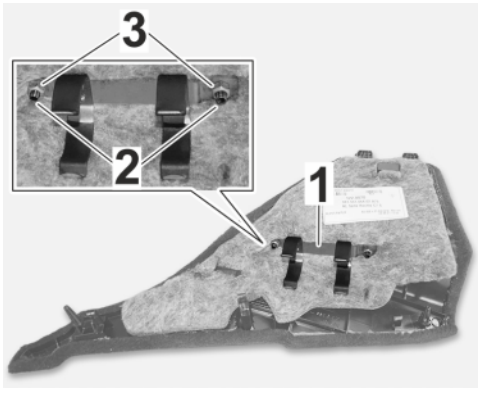
34

11.11.2 Lay the relevant template ⇒ *35* **-1, 2-** on the respective outside of the side trim panel, mark both holes and drill with ∅ 6,5 mm.



35

11.11.3 Mount holder ⇒ *36* **-1-** on the inside of the side trim panel using screws ⇒ *36* **-2-** and nuts ⇒ *36* **-3-**.

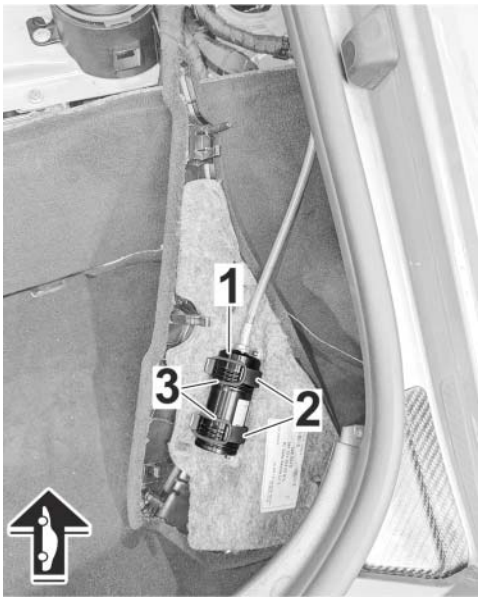


36

11.11.4 Mount expansion tank ⇒*37* **-1-** in holder ⇒*37* **-2-** and secure with rubbers ⇒*37* **-3-**.

11.11.5 Install side trim panels. ⇒ *Workshop Manual '700319 Removing and installing boot side trim panel rear'*

11.11.6 Install rear cover. ⇒*Workshop Manual '705319 Removing and installing rear cover'*



37

11.12 Installing deactivation kit
The following work steps must be individually adapted depending on the equipment of the vehicle.

11.12.1 Remove front boot trim panel. ⇒*Workshop Manual '700519 Removing and installing front boot trim panel'*

11.12.2 Thoroughly clean all adhesive surfaces with isopropanol (alcohol). The adhesive surfaces must be free from dust, dirt and grease of any kind.

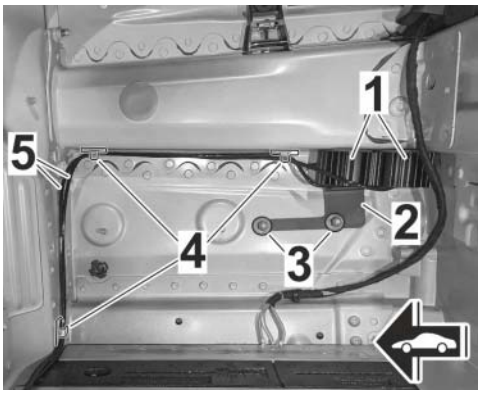
11.13 Assembly of deactivation kit on right side of vehicle

11.13.1 Remove protective film of the adhesive pads on the resistors⇒*38* **-1-** and adhere resistors ⇒*38* **-1-** as far back and outwards as possible on the longitudinal member.
Bond resistors to the body without contacting it. (Heat-sink fins must not contact the metal body structure, to avoid rattle noises)
Insert cooling fins on the resistors into each other, and the electrical lines must point toward the front of the vehicle.

11.13.2 Install holder ⇒*38* **-2-** and tighten nuts ⇒*38* **-3-**.

11.13.3 Affix the supplied adhesive holders ⇒*38* **-4-** to a suitable position, secure both electrical lines ⇒ *38* **-5-** by turning the tabs in the adhesive holder ⇒*38* **-4-**.
Route the electrical lines without tension.

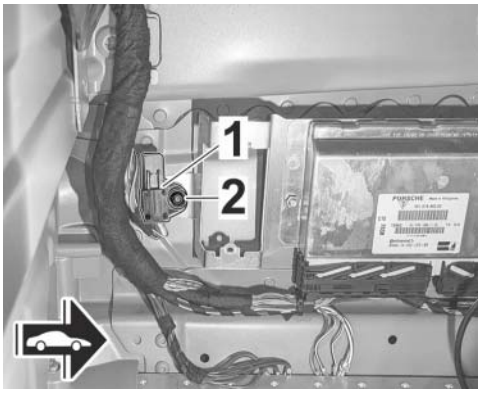
11.14 Assembly of deactivation kit on left side of vehicle



38

11.14.1 Unscrew nut ⇒*39* **-2-** and remove plug connection ⇒*39* **-1-**.
Only if there is a plug connection.

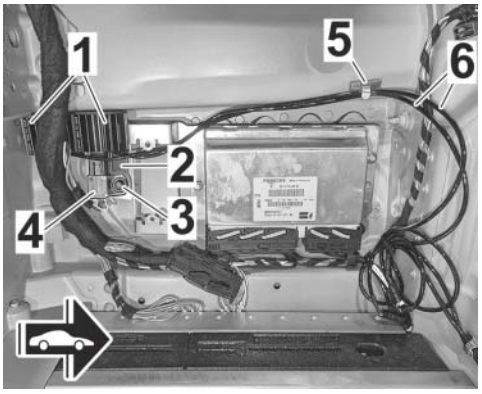
11.14.2 Remove protective film of the adhesive pads on the resistors ⇒*40* **-1-** and adhere resistors ⇒ *40* **-1-** as far back and outwards as possible on the longitudinal member.
Bond resistors to the body without contacting it. (Heat-sink fins must not contact the metal body structure, to avoid rattle noises)
Insert cooling fins on the resistors into each other, and the electrical lines must point toward the front of the vehicle.



39

11.14.3 Install holder ⇒*40* **-2-** with plug connection ⇒*40* **-4-** and tighten nuts ⇒*40* **-3-**.
Only if there is a plug connection.

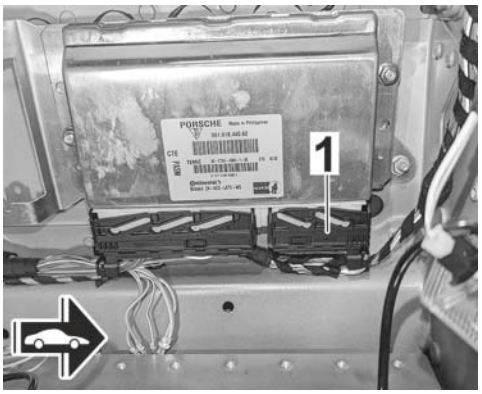
11.14.4 Affix the supplied adhesive holders ⇒*40* **-5-** to a suitable position, secure both electrical lines ⇒ *40* **-6-** by turning the tabs in the adhesive holder ⇒*40* **-5-**.
Route the electrical lines without tension.



40

11.14.5 Disconnect electric plug connection ⇒*41* **-1-** and secure it in a suitable place in the vehicle (no longer required).

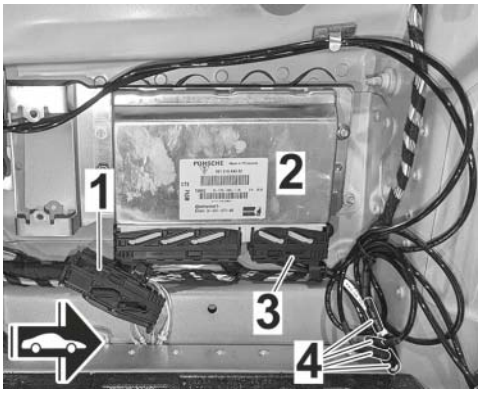
11.14.6 Connect the electrical lines of the resistors ⇒*42* **-4-** with a new plug connection ⇒*42* **-3-** and connect plug connection ⇒*42* **-3-** to the control unit ⇒*42* **-2-**.



41

11.14.7 Secure the electrical lines of the resistors ⇒*42* **-4-** to the existing wire harness without chafing, clattering and tensile stress using tie-wraps.

11.15 Install front boot trim panel. ⇒*Workshop Manual '700519 Removing and installing front boot trim panel'*



42

WARNING

Personal injury and material damage from brake fluid

- **Poisonous if swallowed**
- **Irritation and damage to skin**
- **Detachment of paint surfaces**

⇒ **Only store brake fluid in suitable, labelled containers**

⇒ **Wear protective gloves and goggles**

⇒ **In the event of contact (eyes or skin), wash immediately with water**

⇒ **In the event of contact with paint surfaces, wash off immediately with water, do not wipe off**

12 Installing brake lines

Set – Brake lines (steel flex-pipes) - 991.044.806.38

43

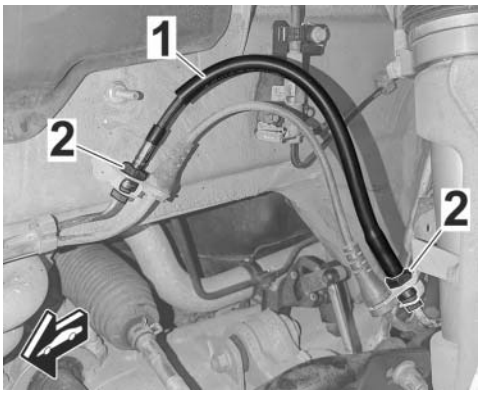
12.1 Installing front brake lines

12.1.1 Loosen threaded connections ⇒ *44* **-2-** and remove brake line ⇒ *44* **-1-**.

12.1.2 Install new brake line ⇒ *44* **-1-** without tension and ensuring that no abrasion occurs.

12.1.3 Tighten threaded connections ⇒ *44* **-2-**.

Tightening torque 10 Nm (7.4 ftlb.)



44

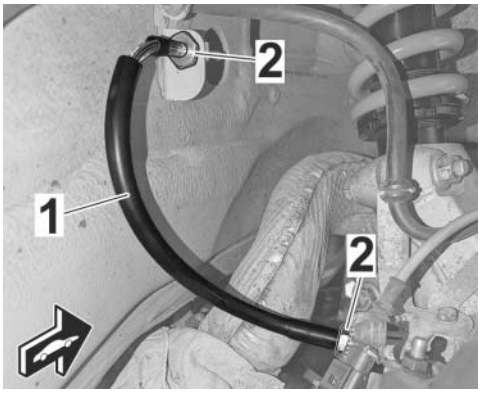
12.2 Installing rear brake lines

12.2.1 Loosen threaded connections ⇒ *45* **-2-** and remove brake line ⇒ *45* **-1-**.

12.2.2 Install new brake line ⇒ *45* **-1-** without tension and ensuring that no abrasion occurs.

12.2.3 Tighten threaded connections ⇒ *45* **-2-**.

Tightening torque 10 Nm (7.4 ftlb.)



45

12.3 Bleed the brake system. ⇒ *Workshop Manual '470107 Bleeding brake system'*

13 Installing rear wheel covers

13.1 Affixing decorative films on the wheel covers

Information
The decorative films must also be ordered in the desired color.

13.1.1 Thoroughly clean the adhesive surfaces with isopropanol (alcohol). The adhesive surfaces must be free from dust, dirt and grease of any kind.

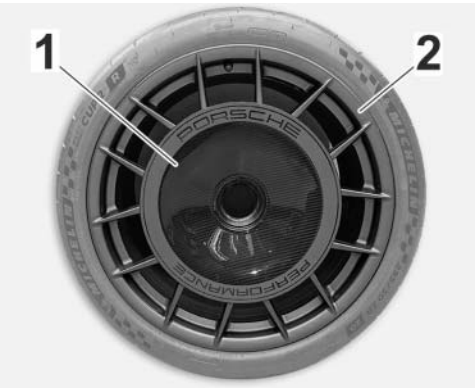
Information
Check that the decorative film is aligned correctly. The alignment **cannot** be corrected afterwards.

46

13.1.2 Remove protective film from the respective decorative film ⇒*46* **-2-** and position and affix it onto the wheel cover ⇒*46* **-1-**.

13.2 Installation of rear wheel covers - on magnesium wheel

1 – Wheel cover for magnesium wheel - 982.044.806.13
2 – Magnesium wheel
Set – Rim protection sticker - 991.044.806.29



47

13.2.1 Affixing rim protection sticker

Information
Both rear rims must be thoroughly cleaned and brake debris removed.

13.2.2 Thoroughly clean the adhesive surfaces with isopropanol (alcohol). The adhesive surfaces must be free from dust, dirt and grease of any kind.

13.2.3 Affix the rim protection stickers ⇒*47* **-1-** to all rear wheel spokes. Make sure to affix the side flaps of the stickers carefully around the spokes.

13.2.4 Heat rim protection sticker ⇒*47* **-1-** with hot-air gun and press onto it firmly.

47

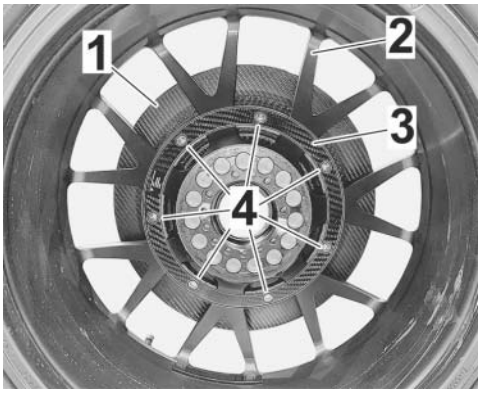
13.3 Install wheel cover on magnesium wheel

1 – Wheel cover
2 – Fastening ring
3 – Screws

13.3.1 Remove screws ⇒*48* **-3-** and fastening ring ⇒*48* **-2-** from ⇒*48* **-1-** wheel cover.

48

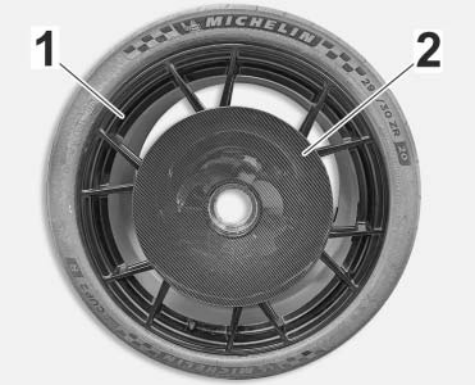
13.3.2 Insert wheel cover ⇒*49* **-1-** into the wheel ⇒*49* **-2-** from the front, hold fastening ring ⇒*49* **-3-** against it from behind and tighten screws ⇒*49* **-4-**.
Make sure that the wheel cover is seated correctly in the rim and is flush with the fastening ring.
Tightening torque 5.5 Nm (4.1 ftlb.)



49

13.4 Installation of rear wheel covers - on aluminium wheel

1 – Aluminium wheel
2 – Wheel cover for aluminium wheel - 982.044.806.14

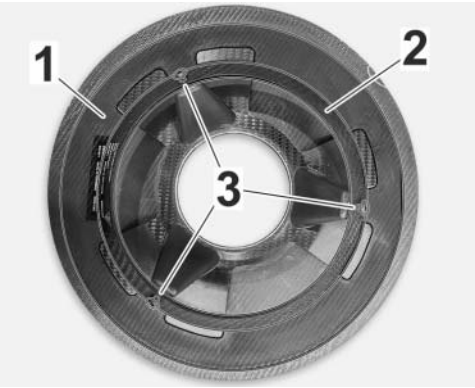


50

13.4.1 Remove screws ⇒*52* **-1-** and fastening ring ⇒*52* **-2-** from ⇒*52* **-3-** wheel cover.

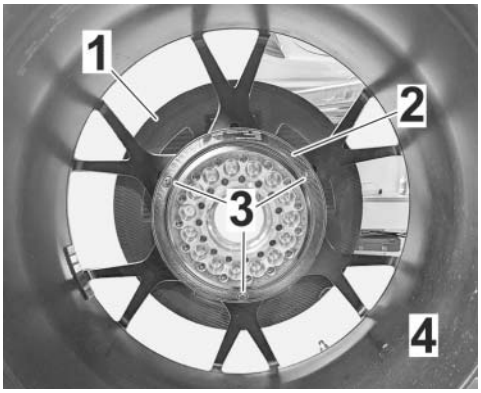
1 – Wheel cover
2 – Fastening ring
3 – Screws

13.4.2 Mount the wheel cover⇒*53* **-1-** into the rim ⇒*53* **-4-** from the front.



52

13.4.3 Hold fastening ring ⇒*53* **-2-** from the behind and tighten screws ⇒*53* **-3-**.
Make sure that the wheel cover is correctly positioned in the rim and is flush with the fastening ring. Tightening torque 4 Nm (3 ftlb.) and medium-strength thread-locking agent Loctite 425.



53

13.5 **Important!** Balance wheels after mounting the wheel covers. ⇒*Workshop Manual '440594 Balancing/optimising wheels'*

13.6 Install all wheels. ⇒*Workshop Manual '440519 Removing and installing wheel with central bolt'*

14 Affixing stickers

Information

The stickers are to be ordered in the color of the customer's choice (black or white).

Black sticker - 992.044.856.28, white sticker - 992.044.856.29

14.1 Thoroughly clean the adhesive surfaces with isopropanol (alcohol). The adhesive surfaces must be free from dust, dirt and grease of any kind.

Information

The stickers can also be affixed wet. After removing the backing film, spray a little water or a mixture of water and washing-up liquid onto the sticker and the surface to be affixed

14.2

Remove backing sheet from the respective sticker, align the protective film on the sticker flush at the front and bottom of the door and stick it on, then remove the protective film on the sticker.

54

55

15 Follow-up actions

15.1 Read out the fault memory of all systems, work through any existing faults and erase the fault memory. ⇒ *Workshop Manual '033500 Fault memory for on-board diagnosis'*

15.2 Disconnect the battery charger. ⇒*Workshop Manual '2X00IN Battery trickle charge'*

16 Performing suspension alignment of the vehicle

16.1 Measure vehicle with standard values (as-delivered state). To do this, see the repair instructions ⇒*Workshop Manual '2X00IN Adjustment values for suspension alignment'*.

16.2 Measure vehicle with the performance setup recommended by Manthey (race circuit driving). Adjustment via the Manthey measuring wheel system in Conversion Instructions for ⇒*Installation and Conversion Instructions '2X00IN measuring wheel system'*.

- Tank capacity: **Full**
- Driver ballast: **Driver weight**

Damper clicking Performance	**Front axle**	**Rear axle**
Rebound stage (R) LowSpeed (Black)	8	7
Rebound stage (R) HighSpeed (gold)	8	7
Pressure stage (C) LowSpeed (Black)	7	7
Pressure level (C) HighSpeed (Gold)	7	7
Steel anti-roll bar	Center position = medium	Center position = medium
Ride height on tyres	107.0 mm	130.0 mm
Driving height on measuring wheel system	91 mm (offset: -16 mm)	140 mm (offset: +10 mm)

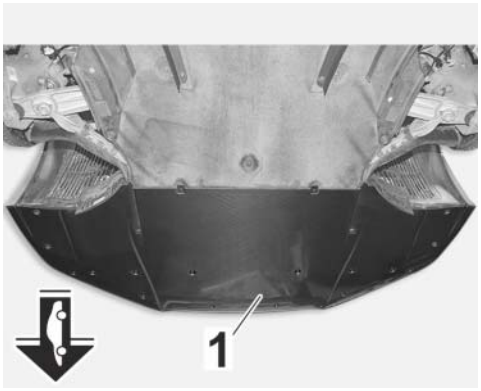
Measurement log:

Measurement log (executing PORSCHE Center)			
Wheel alignment values (worldwide)	**Initial readings**	**Setpoint values**	**Final measurement**
Front axle			
Toe unpressed (total)		-2 mm (-0°14')	
Camber with wheels in straight-ahead position		- 2.6°	
Rear axle			
Toe per wheel		+2 mm (+0°14')	
Camber		-2.2°	

Installed on:	Mechanic:	Acceptance:	Stamp:
(Date)	(First Name)	(Name of Foreman)	(Porsche Center)

17 Installing front diffuser (front carbon underbody)

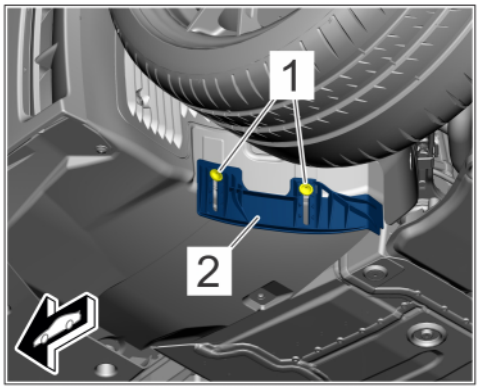
1 – Front diffusor - 982.044.806.09



53

17.1 Loosen screws from front wheel housing liner (spoiler) ⇒*54* **-1-**, remove outer screw and push spoiler ⇒*54* **-2-** all the way up.

17.2 Unscrew both front screws on the front underbody cover (installation position of the screws ⇒*55* **-3-**). The screws are no longer needed.



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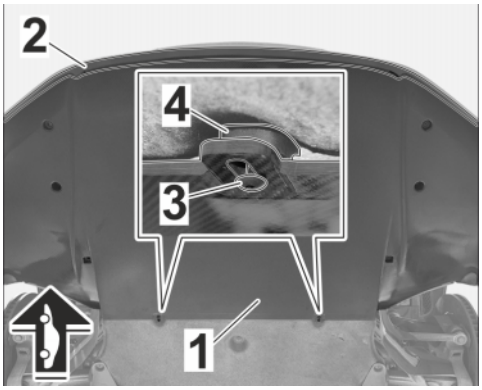
17.3 Move front diffuser ⇒*55* **-1-** into front bumper ⇒*55* **-2-**, position and fasten with new screws 3 ⇒*55* **-3-** and spacers ⇒*55* **-4-** from the kit.
Another person's help is required.
Tightening torque 3 Nm (2.2 ftlb.)

17.4 Screw in and tighten remaining screws on the front diffusor (front carbon underbody).
Torque 3.2 Nm (2.4 ftlb.) +/-0.6 Nm (0.4 ftlb.)



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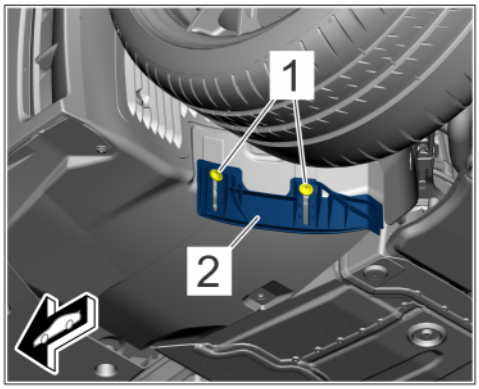
17.5 Push front wheel housing liner (spoiler) ⇒*56* **-2-** into the lowest position and tighten screws ⇒*56* **-1-**. **Tightening torque 2 Nm (1.5 ftlb.)**



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Labor time: Cayman GT4 RS Manthey Kit — Labor time: **1300 TU**
Includes: Install and align Cayman GT4 RS Manthey Kit.