992.2 911 GT3 Manthey Performance Kit

Vehicle Type: **911 GT3 (992.2)**

Model Year: **As of 2025**

Information: **Retrofitting**

Note: The Manthey Performance Kit for the 911 GT3 RS (type 992.2) 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 components have been tested and approved as a whole. Individual options can be requested via TEQ (PRMS approval required).**

NOTICE

- **The individual components of the 911 GT3 Manthey Performance Kit are precisely matched. For this reason, they must only be installed together on the vehicle. Individual offers are shown separately.**

Part No.:

992.044.855.30	911 GT3 (type 992.2) Manthey Performance Kit For vehicles with front axle lift system
992.044.855.31	911 GT3 (type 992.2) Manthey Performance Kit For vehicles without front axle lift system
992.044.855.29	911 GT3 (type 992.2) Manthey aerodynamics kit
992.044.856.28	Manthey logo “Black” (optional)
992.044.856.29	Manthey logo “White” (optional)
992.044.856.37	Manthey logo "Neodyme" (optional)

Parts to be ordered separately:

PAF.108.749	8 x	⇒ Hexagon flange bolt, M8 x 42, for upper axle guide
N 102.723.02	2 x	⇒ Hexagon collar nut, M10, for connecting rod
N 107.847.02	2 x	⇒ Hexagon flange bolt, M12 x 1.5 x 85, for lower axle guide
PAF.003.923	12 x	⇒ Hexagon nut, M8, for upper strut bearing
PAF.989.256	1 x	⇒ Cheese head bolt securing seat belt to seat
PAF.011.175	4 x	⇒ Outside hexagon round-head bolt, M10 x 28, to seat rail
PAF.910.423	5 x	⇒ Inside hexagon round/pan-head screw, M6 x 16, for rear diffuser

PAF.104.513	2 x	⇒ Cheese head bolt with internal multiple-tooth head, M12 x 1.5 x 55
PAF.912.572	6 x	⇒ Hexagon flange bolt M8 x 22
PAF.010.129	2 x	⇒ Countersunk screw M6 x 11
PAF.010.130	2 x	⇒ Internal hexagon round fit bolt M6 x 9 x 11
9A7.008.677.00	2 x	⇒ Hexagon-head bolt, M12 x 1.5 x 80
PAF.909.664	2 x	⇒ Hexagon collar nut, M12 x 1.5
000.043.305.38	1 x	Adhesive
PAF.910.758	4 x	⇒ Cheese head bolt with multiple-tooth head
PAA.904.190	4 x	⇒ Snap nut

NOTICE

The following tools are also required:

- **Manthey measuring wheel system**
- **L-bracket update for measuring wheel system (Manthey item number MT004417A)**
- **KW special tool socket spanner SW22 (Manthey item number 68510179)**

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

9F1.401.443.H	2 x	⇒ Intermediate plate, 2.0 mm

Information

Please pass all 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:

- 9. Installing the air guide elements on the underbody & underbody panel 3 (rear)
- 10. Installing rear wing
- 11. Affixing stickers
- 12. Fitting door entry adhesive label
- 13. Coding and chassis commissioning
- 14. Suspension alignment
- 15. Installing rear diffuser
- 16. Installing the rear axle Aerodisk

Information

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

Information

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

Information

For body work:

- Cover open components
- Wear personal protective equipment
- Protect adjacent components from damage

Installing: 1 Preparatory work

1.1 Connect a battery charger.

2 Installing the door sill trims

Information

The lighting for the new door entry guards can only be retrofitted on vehicles that have already installed illuminated door entry guards or with a light design package.

Set – Door entry guards (left and right) - 992.044.856.17

1 – Door entry guard

1

2.1 Remove ⇒ *1* **-1-** door entry guard. ⇒ *Workshop Manual '680719A3 Removing and installing cover moulding'*

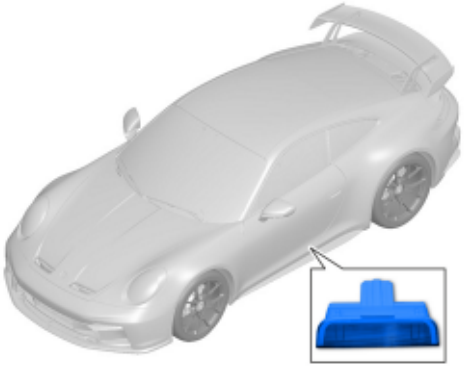
2.2 Install the ⇒ *1* **-1-** door entry guard. ⇒ *Workshop Manual '680719A3 Removing and installing cover moulding'*

3 Installing the door projectors

Information

The lighting for the door projectors can only be retrofitted on vehicles that have already installed illuminated door projectors or with a light design package.

Set – Door projectors (left and right) - 992.044.856.16



2

3.1 Remove the door trim panel. ⇒ *Workshop Manual '705919A3 Removing and installing the front door panel'*

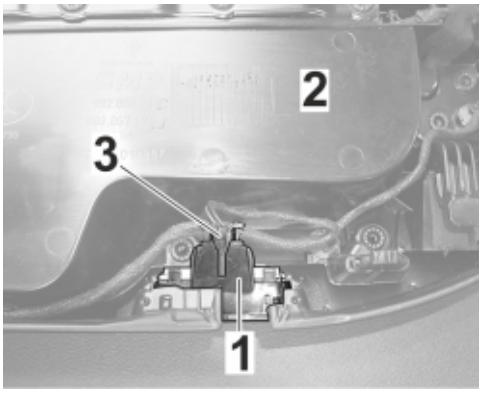
3.2 Remove door guard light. ⇒ *Workshop Manual '961619A2 Removing and installing door guard light'*

3.3 Install new door projector ⇒ *3* **-1-**. Ensure correct installation position and engagement.

3.4 Connect electric plug connection ⇒ *3* **-3-**. The electric plug connection must engage perceptibly.

3.5 Install the door panel ⇒*3* **-2-**. ⇒*Workshop Manual '705919A3 Removing and installing the front door panel'*

1 – Door projector
2 – Door panel
3 – Electric plug connection

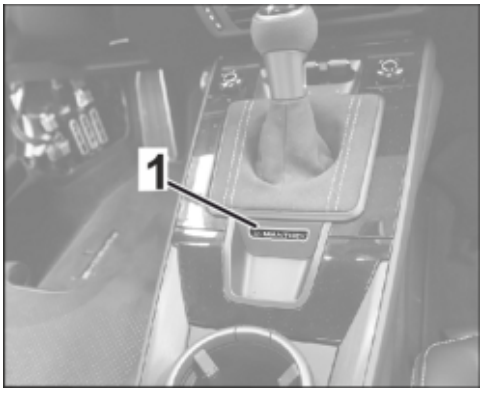


3

4 Assembly of instrument panel badge

4.1 Unclip the existing “GT3” badge using a suitable removal tool.

4.2 Clip in the new “Manthey” badge ⇒*4* **-1-** (992.044.858.20).



4

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

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.

WARNING

Preloaded or pressurized components

- **Risk of squashing or bruising**

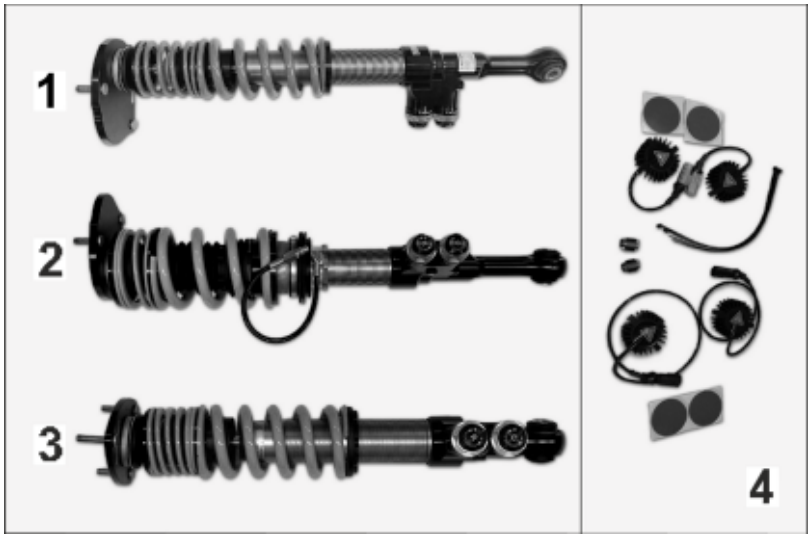
⇒ **Do not reach into the danger area.**

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

⇒ **Secure components to prevent them from loosening suddenly.**

Information

Do not press the piston rod into an upside-down position (overhead damper) – this can lead to a permanent gas lock in the workspace and thus to a malfunction of the damper.



5

1. – Front axle spring strut without lift (left -> 992.044.858.16, right -> 992.044.858.17)
2. – Front axle spring strut with lift (left -> 992.044.858.11, right -> 992.044.858.12)
3. – Rear axle spring strut (left -> 992.044.858.13, right -> 992.044.858.14)
4. – PASM deactivation kit
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5.1 Remove all four wheels. ⇒*Workshop Manual '440519 Removing and installing wheel with central bolt'*

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

5.3 Disassembling front spring strut

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

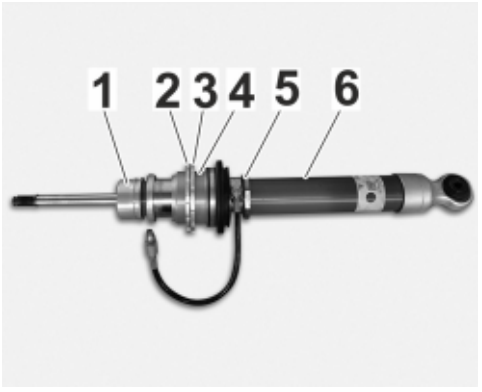
5.3.2 Remove front axle lift.

5.3.3 Remove height-adjusting nut ⇒*6* **-2-** and lock nut ⇒*6* **-3-**.

5.3.4 Screw up the front axle lift ⇒*6* **-4-** until the dust boot comes off ⇒*6* **-1-**, ⇒*6* **-1-** remove the dust boot (use open-ended spanner 700 17 171 and open-ended spanner 700 17 184).

5.3.5 Remove front axle lift ⇒*6* **-4-** and lock nut ⇒*6* **-5-** from the spring strut ⇒*6* **-6-** (use open-ended spanner 700 17 171 and open-ended spanner 700 17 184).

1 – Dust boot
2 – Height adjustment nut (no longer required)
3 – Locking nut (no longer required)
4 – Front axle lift system
5 – Lock nut
6 – Spring strut



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5.4 Assembling new front spring strut **with** front axle lift

5.4.1 Mount lock nut ⇒*7* **-5-** and lift system ⇒*7* **-4-** on the spring strut ⇒*7* **-6-**.
Do **not** tighten to the specified torque yet. Height adjustment dimension X = 88 mm ⇒*9* **-1-**.
On vehicles with a lift system, ensure that the lift system line is aligned with the center of the damping force adjustment wheel (A).

5.4.2 Fit plastic cap ⇒*7* **-13-** on the shock absorber housing (use impact sleeve 700 17 169 and a plastic hammer).

5.4.3 Screw-on the spring support ⇒*7* **-12-**.
Then mount the bellows ⇒ 5.4.4.
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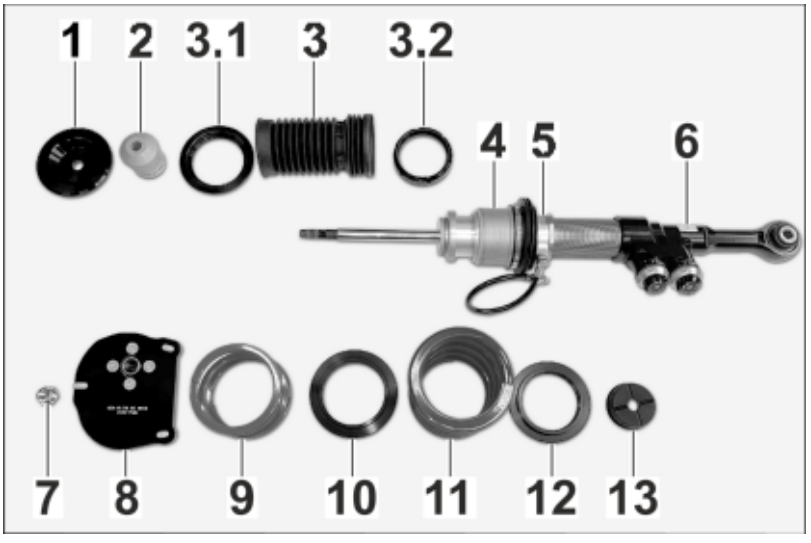


7

1 – Upper ring on bellows

2 – Rubber stop
3.1 – Upper spring plate
3 – Bellows
3.2 – Mounting ring on bellows
4 – Lift system (carried over from standard chassis)
5 – Lock nut
6 – Spring strut
7 – Nut
8 – Supporting mount - 65A.49.376 (LH)/65A.49.377 (RH)
9 – Auxiliary spring
10 – Intermediate ring
11 – Coil spring
12 – Lower spring plate
13 – Plastic cap

5.4.4 Bellows assembly:

Assembly of bellows mounting ring: Secure lift unit to prevent turning by fully screwing down lower spring plate ⇒ *7* **-12-** and securing with grub screw. **Tightening torque 1 Nm (0.7 ftlb.)**
Tighten mounting ring for bellows ⇒ *7* **-3.2-** (use hook spanner 685 11 296), countering at lower spring plate ⇒ *7* **-12-** (use hook spanner 685 11 295). **Tightening torque 15 Nm (11.1 ftlb.)**

Fit the short end of the bellows ⇒ *7* **-3-** to the mounting ring ⇒ *7* **-3.2-**.

Push coil spring ⇒ *7* **-11-**, spacer ring, ⇒ *7* **-10-** and auxiliary spring ⇒ *7* **-9-** onto the piston rod. Fit upper spring support ⇒ *7* **-3.1-** onto bellows ⇒ *7* **-3-**.

Fit rubber stop ⇒ *7* **-2-**, top bellows ring ⇒ *7* **-1-** (Bellows is fixed between ⇒ *7* **-3.1-** and ⇒ *7* **-1-**) and supporting mount ⇒ *7* **-8-** on the piston rod and tighten nut ⇒ *7* **-7-** (use special tool KW 685 10 179).

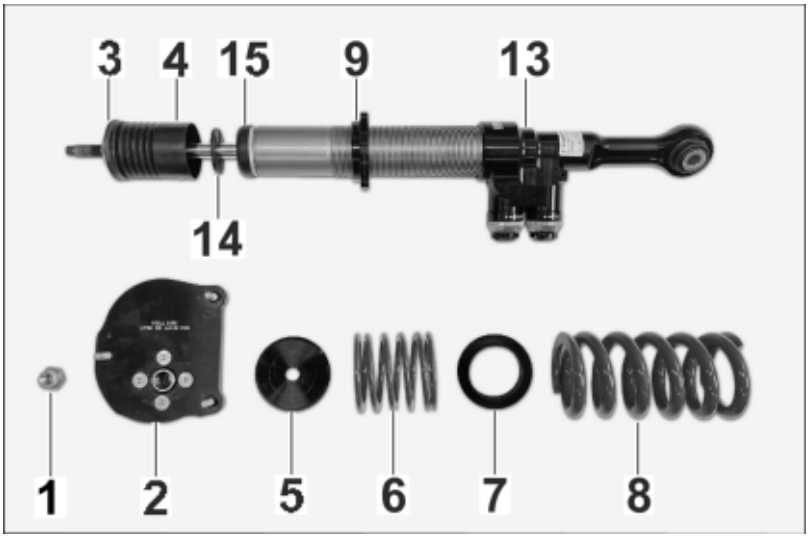
Ensure that the rubber stops ⇒ *7* **-2-** are fitted correctly: Pointed end must point upwards as shown ⇒ *7* **-7-** . Use Loctite to secure. **Tightening torque: 40 Nm (30 ftlb.)**

The bellows ⇒ *7* **-3-** is clipped onto the plastic cap when the spring strut is completely fitted

5.5 Assembling new front spring strut **without** front axle lift

Information
The new front spring strut **without** front axle lift comes pre-mounted. The assembly instructions are provided for the sake of completeness.

5.5.1 Screw-on the spring support ⇒*8* **-9-**. Then push the plastic cap⇒*8* **-15-**, wheel spacers and ⇒*8* **-14-** stop rubber ⇒*8* **-3-** onto the piston rod using bellows ⇒*8* **-4-**. Fit coil spring⇒*8* **-8-**, intermediate ring⇒*8* **-7-**, auxiliary spring⇒*8* **-6-**, spring support top ⇒*8* **-5-** and support bearing ⇒*8* **-2-**. Tighten support bearing ⇒*8* **-2-** with nut ⇒*8* **-1-**. (Use special tool CW 685 10 179).
Medium-strength Loctite is to be used. Tightening torque 40 Nm (29.5 ftlb.)



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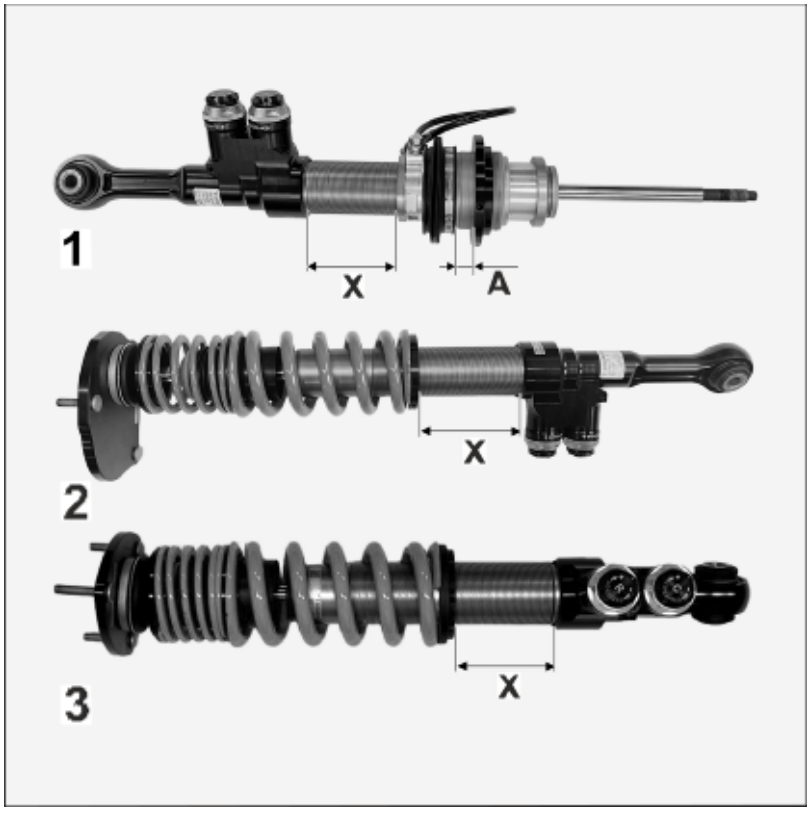
1 – Nut
2 – Supporting mount - 65A.49.376 (LH)/65A.49.377 (RH)
3 – Rubber stop
4 – Bellows
5 – Upper spring plate
6 – Auxiliary spring
7 – Intermediate ring
8 – Coil spring
9 – Lower spring plate
13 – Spring strut
14 – Wheel spacer
15 – Plastic cap

5.6 Adjust the relevant dimension A & dimension X .



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1 – – Front axle with front axle lift
2 – – Front axle without front axle lift
3 – – Rear axle

1	Front axle **with front axle lift**	Dimension A
	Lower edge of spring seat to shoulder of lift unit	16 mm / 0.63 in
	Front axle **with front axle lift**	Dimension X
	Lower edge of lift unit lock nut to shoulder of shock absorber-valve foot	88 mm / 3.46 in

2	Front axle **without front axle lift**	Dimension X
	Lower edge of spring seat to shoulder of damper-valve foot	117 mm / 4.61 in

3	**Rear axle**	Dimension X
	Lower edge of spring seat to shoulder of damper-valve foot	74 mm / 2.91 in

Information

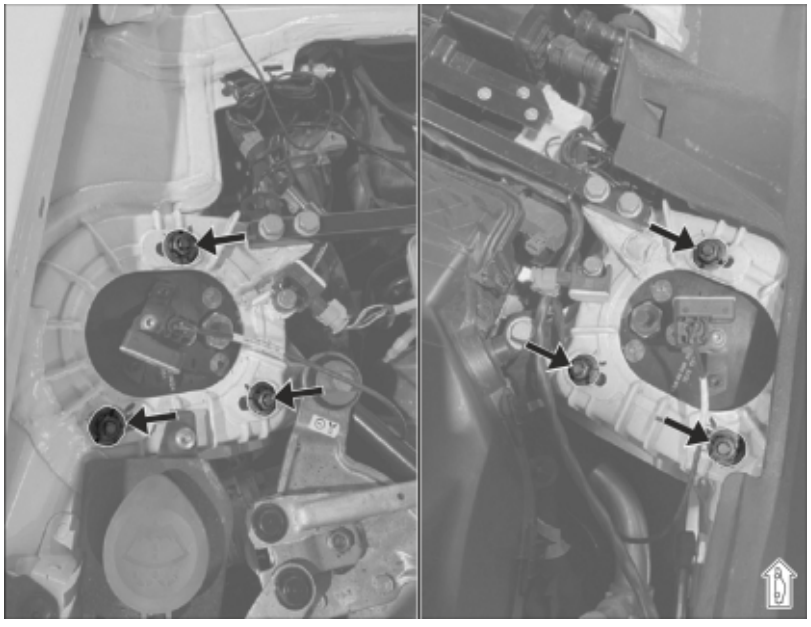
All dimensions (with the exception of height adjustment X = 88 mm according to Illustration 9-1) represent reference values for presetting.
The actual setting values may vary depending on the weight of the driver and the vehicle-specific equipment.
This information **does not** replace the required precise measurement and adjustment with the Manthey measuring wheel system.

5.7 Tighten spring plate grub screws.
Tightening torque 1 Nm (0.7 ftlb.)

5.8 Only for spring strut **with lift system**: Tighten lift ⇒ *7* **-5-** system lock nut (use open-ended spanner 700 17 171 and open-ended spanner 700 17 184).
Tightening torque 66 Nm (48.7 ftlb.)

5.9 Install front spring strut. ⇒ *Workshop Manual '408519 Removing and installing front spring strut'*
Ensure the lift system line is not twisted or under strain.

When installing the spring strut, slide the strut bearing plate in the body connection as far as possible towards the outside of the vehicle.



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1. – Left picture "front left" on the front axle, the support bearing plate must be pushed outwards to the maximum extent to ensure free movement between spring and body.

2. – Picture on the right "front right" on the front axle, the support bearing plate must be pushed outwards to a maximum to ensure free movement between spring and body.

5.10 Replacing rear spring strut

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

5.10.2 Check height dimension X and adjust if necessary.

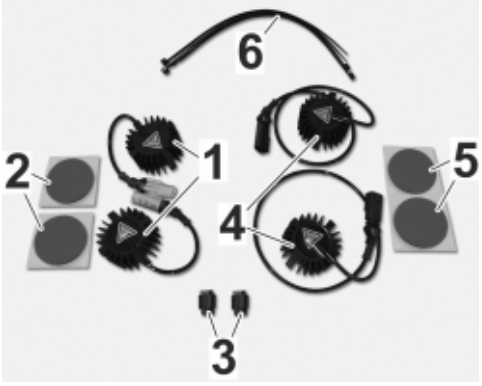
Rear axle	Dimension X
Lower edge of spring seat to shoulder of damper-valve foot	74 mm / 2.91 in

5.10.3 Install rear spring strut. ⇒ *Workshop Manual '427119 Removing and installing spring strut, rear'*
Do not yet complete the vehicle interior.

5.11 Install front-axle deactivation set. **Proceed right-hand drive in a mirror-inverted manner.**

Use a suitable pin removal tool to replace the electric wiring harness.

1 – Front axle resistors
2 – Adhesive pads
3 – Plug
4 – Rear axle resistors
5 – Adhesive pads
6 – Cable tie



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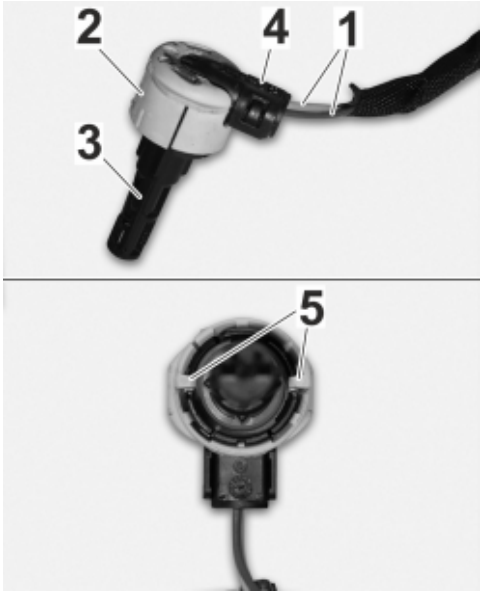
5.11.1 Replacing both original wiring harness connectors:
Release safety cap ⇒ *12* **-2-** on locking lugs ⇒ *12* **-5-**.
Release connector ⇒ *12* **-4-** lock ⇒ *12* **-3-**.

1 – Electric lines
2 – Locking cap
3 – Plug
4 – Fuse
5 – Locking lugs



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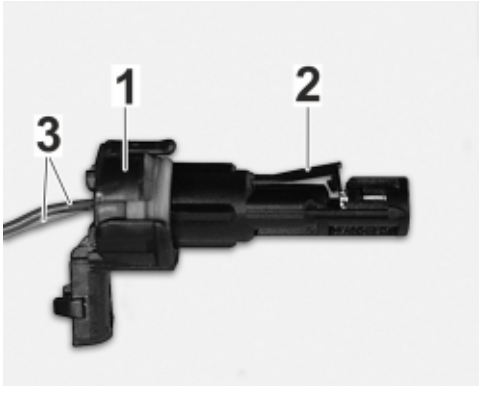
5.11.2 Release connector ⇒ *13* **-2-** lock ⇒ *13* **-1-** and unpin electric lines ⇒ *13* **-3-**.

1 – Plug
2 – Fuse
3 – Electric lines

5.11.3 Remove safety cap ⇒ *12* **-2-** (no longer required).



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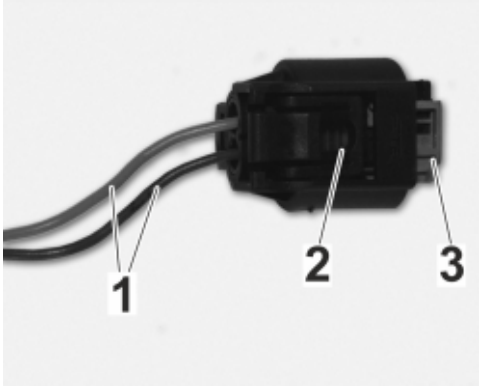
5.11.4 Plug electric lines ⇒ *14* **-1-** into new connector ⇒ *14* **-2-** and lock fuse ⇒ *14* **-3-**.

1 – Electric lines
2 – Plug
3 – Fuse



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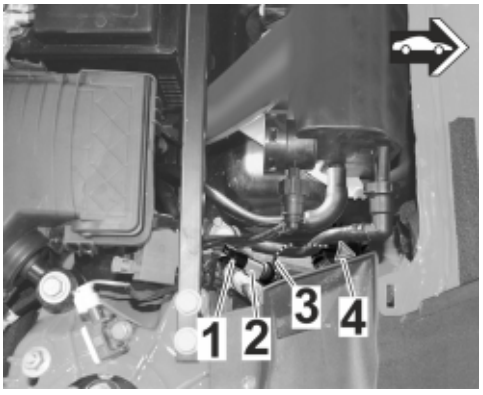
5.11.5 Installing front-axle deactivation set on the **right vehicle side**:
Bring new connector ⇒ *15* **-1-** into contact with vehicle connector ⇒ *15* **-2-**.
Affix resistor ⇒ *15* **-4-** on a level surface using the supplied adhesive pads.
Route the electric wire harness ⇒ *15* **-3-** without tension and secure with a cable tie.



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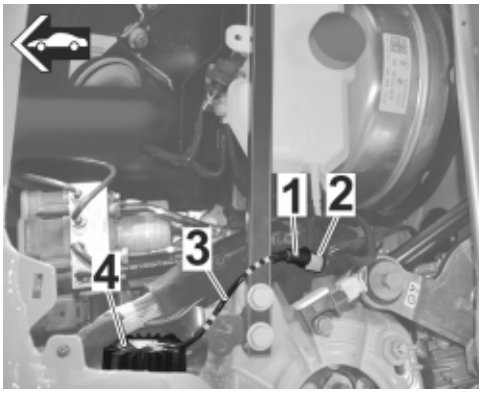
1 – New connector
2 – Vehicle connector
3 – Electric wiring harness
4 – Resistance

5.11.6 Installing front-axle deactivation set on the **left vehicle side**:
Connect new plug connection ⇒ *16* **-1-** with vehicle plug connection ⇒ *16* **-2-**.
Affix resistor ⇒ *16* **-4-** on a level surface using the supplied adhesive pads.
Route the electric wire harness ⇒ *16* **-3-** without tension and secure with a cable tie.



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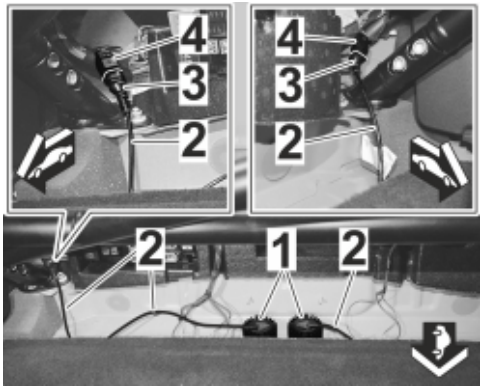
1 – New connector
2 – Vehicle connector
3 – Electric wiring harness
4 – Resistance

5.12 Install rear-axle deactivation set.

5.12.1 Bring new connectors ⇒ *17* **-3-** into contact with vehicle connectors ⇒ *17* **-4-**.
Isolate wiring harness ⇒ *17* **-2-** from power supply and secure with cable tie.
Affix resistors ⇒ *17* **-1-** on a level surface in the middle of the vehicle using the supplied adhesive pads.

5.13 Complete the vehicle interior. ⇒ *Workshop Manual '427119 Removing and installing rear spring strut - "Subsequent work" section'*



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WARNING

Personal injury and material damage from brake fluid

- **Poisonous if swallowed**
- **Irritation and damage to skin**
- **Dissolving 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**

6 Installing brake lines

1 – Brake line sections (steel braided), front axle and rear axle - 992. 044. 856.15

6.1 Conversion of front axle area
Longer section is installed on the front axle.

6.1.1 Loosen threaded connections ⇒ *19* **-2-** and remove brake line ⇒ *19* **-1-**.

6.1.2 Install new brake line ⇒ *19* **-1-** without tension and ensure that no abrasion occurs.

6.1.3 Tighten threaded connections ⇒ *19* **-2-**.

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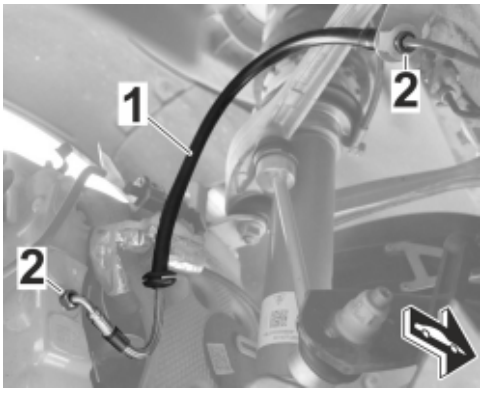
Tightening torque 10 Nm (7.4 ftlb.)

1 – Brake pipe
2 – Threaded connection



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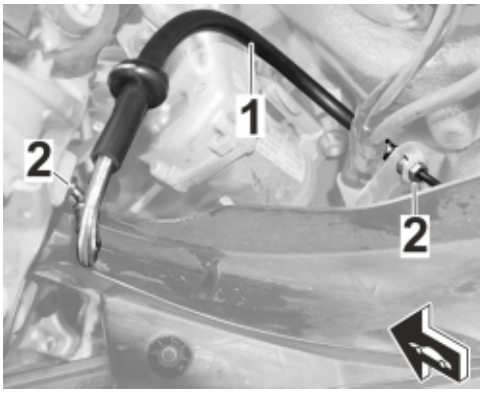
6.1.4 Clean adjacent components of any brake fluid that may have leaked out.

6.2 Conversion of rear axle area

6.2.1 Loosen brake line threaded connection ⇒*20* **-2-** and remove brake line ⇒*20* **-1-**.

6.2.2 Route the new brake line ⇒*20* **-1-** in the same way as the standard brake line and tighten the threaded connection ⇒*20* **-2-**.
Tightening torque 10 Nm (7.4 ftlb.)

1 – Brake pipe
2 – Threaded connection



20

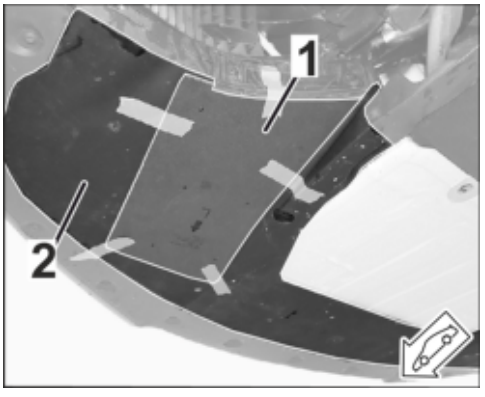
6.2.3 Clean adjacent components of any brake fluid that may have leaked out.

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

7 Installing the front diffuser & front spoiler

7.1 Align the assembly template (992.044.858.06) ⇒*21* **-1-** with the lower edge of the front diffuser ⇒*21* **-2-**.

As soon as the template is aligned correctly, the holes must be marked.



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7.2 Remove front spoiler. ⇒*Workshop Manual '66031925 Removing and installing front spoiler (centre)'*

7.3 Removing front bumper. ⇒*Workshop Manual '63151925 Remove and install front bumper'*

7.4 Remove the front bumper. ⇒*Workshop Manual '63161925 Removing and installing front bumper'*

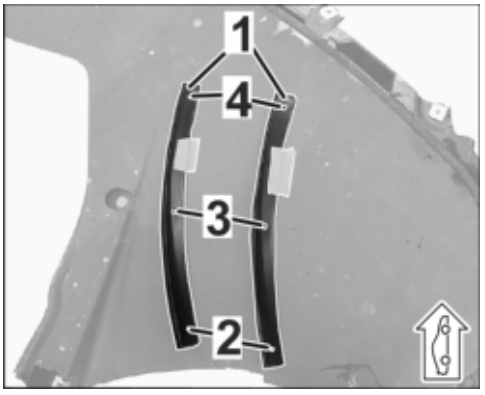
7.4.1 Then check whether the marked holes match the front diffuser fins.

7.4.2 Pre-work the marked holes using a prick punch. Predrill holes with a 3 mm drill bit and then drill out with a 5 mm drill bit.

7.5 Install front diffuser fins (992.044.858.05).

1 – Front diffuser fin set (992.044.858.05 – 2x left identical part & 2x right identical part)
2,3,4 – Rivet sequence

7.5.1 Rivet sequence is recommended from back to front. Care must be taken to ensure untensioned installation.

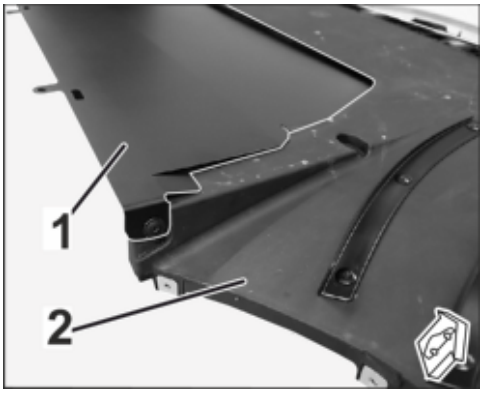


22

7.6 Pre-install front underbody panelling (992.044.858.04) ⇒*23* **-1-** on front bumper⇒*23* **-2-**.

1 – Underbody panelling (992.044.858.04)

7.7 Install the front bumper. ⇒*Workshop Manual '63161925 Removing and installing front bumper'*

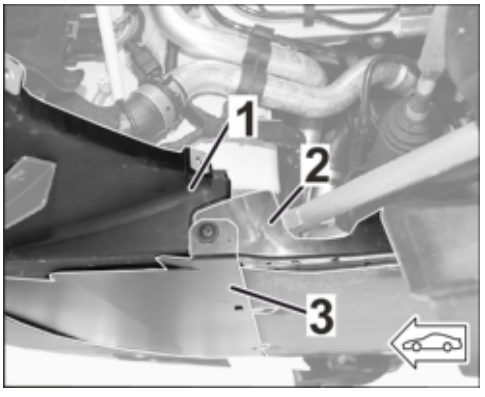


23

7.8 Secure underbody panelling. Make sure that the part of the wheel housing liner ⇒*24* **-2-** is located between the underbody panelling ⇒*24* **-3-** and the front bumper⇒*24* **-1-**.

7.9 Install front bumper. ⇒*Workshop Manual '63151925 Remove and install front bumper'*

7.10 Install new front spoiler (992.044.858.03). ⇒*Workshop Manual '66031925 Removing and installing front spoiler (centre)'*



24

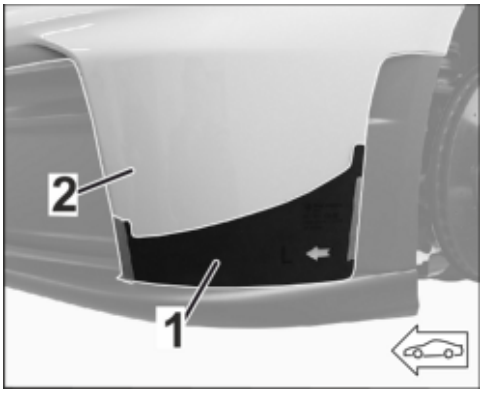
8 Installing the flaps on the front bumper

Information

The template (992.044.858.00) must be used in such a way that the "L" on the left side is visible on the front. The unlabelled rear side must be visible for the right side of the vehicle.

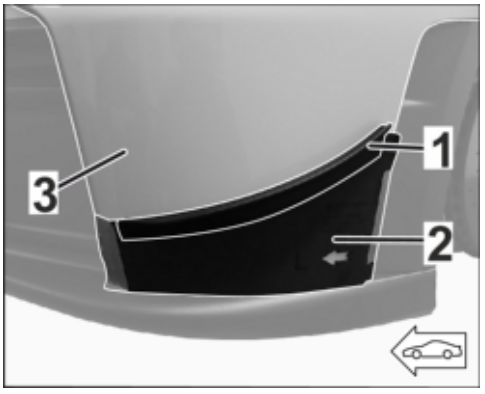
8.1 Thoroughly clean surfaces to be adhered in flap area with isopropanol (alcohol). The adhesive surfaces must be free from dust, dirt and grease of any kind.

8.2 Apply template (992.044.858.00) ⇒*25* **-1-** from the rear edge to the front& secure it to the side surface of the front apron ⇒*25* **-2-** using adhesive strips.
Ensure that the template is correctly aligned.



25

8.3 ⇒*26* **-1-** Peel off protective film from flap and ⇒*26* **-2-** align with the edge of the template and glue flap from back to front.
Press the flap firmly and against the front bumper for 10 seconds.
Use only the pre-affixed double-sided adhesive tape and only affix to painted surfaces!



26

9 Installing the air guide elements on the underbody & underbody panel 3 (rear)

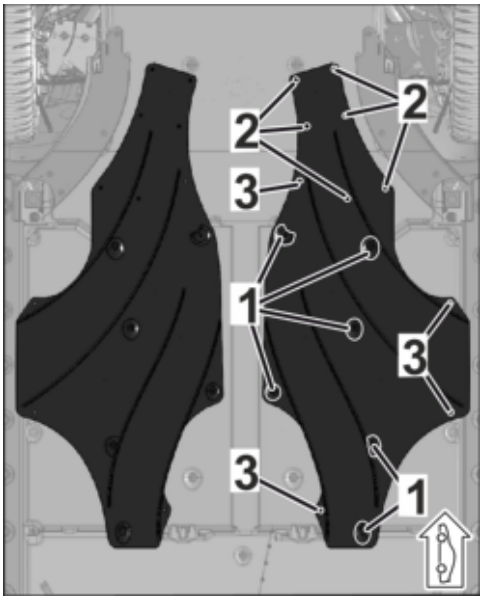
9.1 Remove front cover (inner fins) ⇒*Workshop Manual '51921927 Removing and installing front cover (fins)'*

9.2 Remove screws ⇒*27* **-1-**. Align new air guide elements so that all holes ⇒*27* **-2-** match the sheet metal clips. Then ⇒*27* **-3-** mark the holes.

9.2.1 Remove new air-guide element.

9.2.2 Remove center cover. ⇒*Workshop Manual '519319A1 Removing and installing centre cover'*

9.2.3 Drill the marked holes ⇒*27* **-3-**with a 5.5 mm drill.

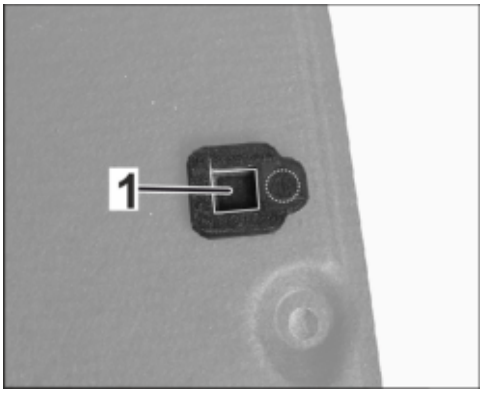


27

9.2.4 ⇒*28*Insert the template ⇒*27* **-3-**into the holes and ⇒*28* **-1-** mark the cut-out. (Cut-outs should be positioned so that they are covered by the air guide elements.)

9.2.5 Make the marked cut-outs using suitable tools.

9.2.6 Insert sheet metal clips ⇒*27* **-3-** into the underbody panelling.



28

9.3 Replace the underbody panelling 3 (rear).

9.3.1 Remove rear cover. ⇒*Workshop Manual '51941920 Removing and installing the rear cover'*

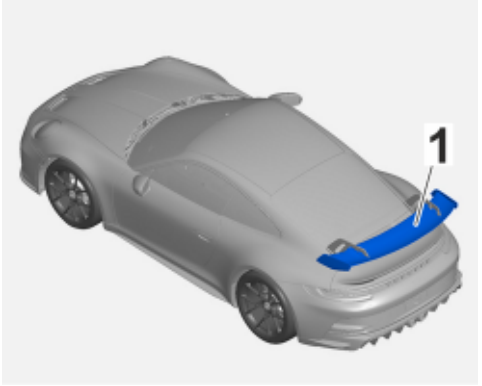
9.3.2 Install new rear cover (9GT.825.521.B). ⇒*Workshop Manual '51941920 Removing and installing the rear cover'*

9.3.3 Install the center cover. ⇒*Workshop Manual '519319A1 Removing and installing centre cover'*

9.3.4 Install the air guide elements on the underbody tension-free. ⇒*27*

10 Installing rear wing

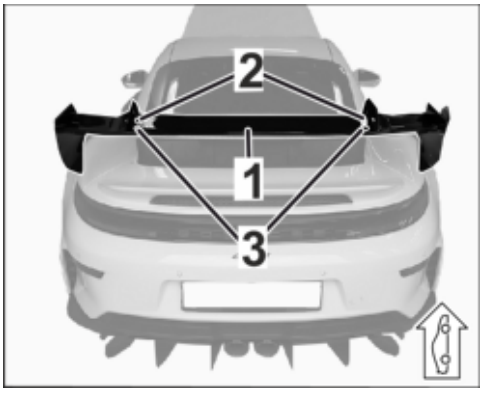
1 – Rear wing (992.044.858.08)



29

10.1 Remove screws ⇒*30* **-2 & 3-** on rear wing ⇒ *30* **-1-** and remove rear wing.

1 – Rear wing
2 – Screws
3 – Screws (with collar)



30

10.1.1 Installing rear wing support

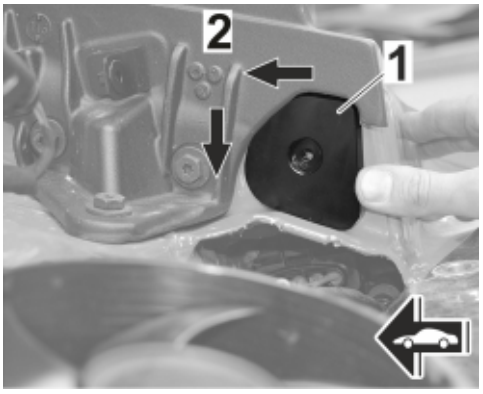
1 – Rear wing support set with mounting parts - 992.044.856.26

10.1.2 Remove rear lid. ⇒*Workshop Manual '55901925 Removing and installing rear lid'*

31

10.1.3 Hold the support ⇒*32* **-1-** forward and down ⇒*32* **-Arrow-** at the wing support ⇒*32* **-2-** and mark fastening point.
If the support cannot be installed: Loosen wing supports, move them to their original position and tighten. ⇒*Workshop Manual '66581923 Removing and installing rear spoiler (wing plates)'*

1 – Support
2 – Wing strut



32

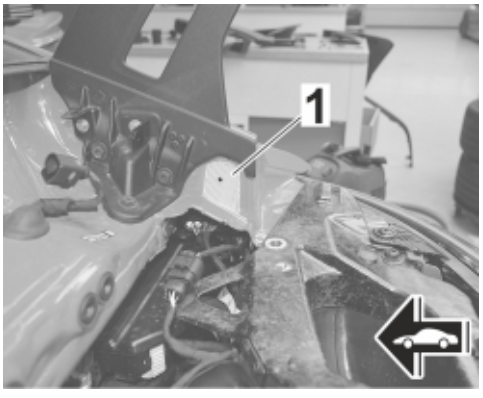
10.1.4

Information
For body work:

- Cover open components
- Wear personal protective equipment
- Protect adjacent components from damage

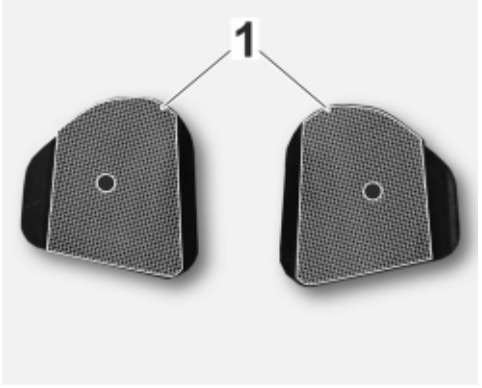
Center punch marking, pre-drill at ∅ 2.5 mm and drill out to ∅ 5.0 mm.

10.1.5 De-burr bore hole and roughen the contact surface on body ⇒*33* **-1-** using sandpaper (240 grit).



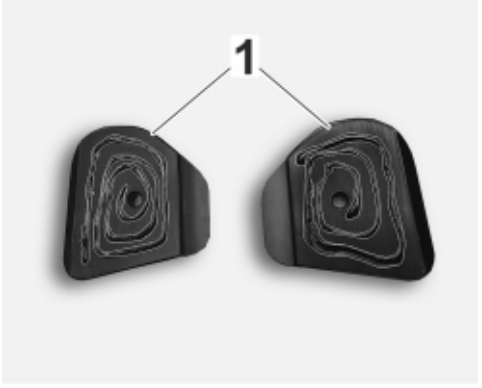
33

10.1.6 Roughen the supports in the hatched areas ⇒*34* **-1-** with sandpaper (240 grit).



34

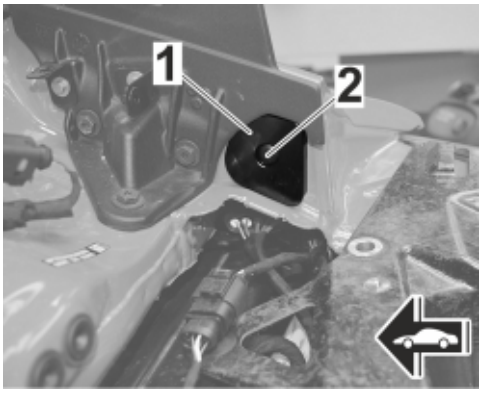
10.1.7 Apply adhesive with Part No. 00004330538 to the support ⇒*35* **-1-**.



35

10.1.8 Secure ⇒*36* **-1-** support with rivets ⇒*36* **-2-**.
Remove excess adhesive.

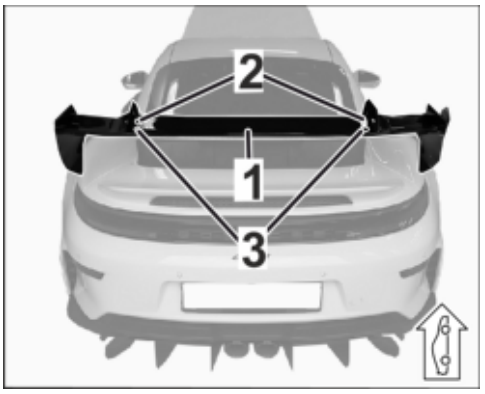
10.1.9 Install rear lid. ⇒*Workshop Manual '55901925 Removing and installing rear lid'*



36

10.2 Install new rear wing ⇒*37* **-1-** and tighten with new screws ⇒*37* **-2 & 3-** hand-tight. **Tightening torque 8 Nm (5.9 ftlb.)**

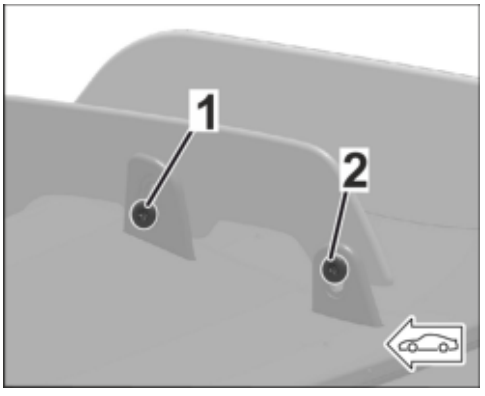
1 – Rear wing (992.044.858.08)
2 – Screws
3 – Screws (with collar)



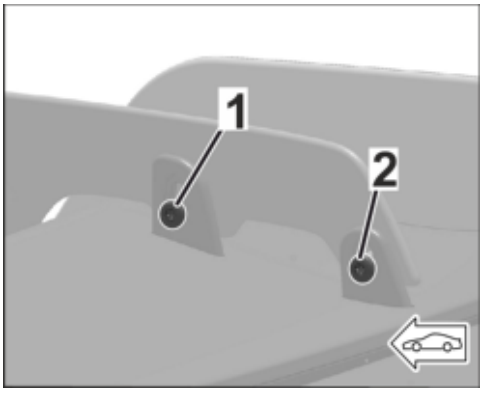
37

10.3 The rear wing angle can be adjusted for race track use. The wing position shown shows the road driving setting. **If the wing is set steeper for the race circuit, the front diffusers on the right and left must also be re-adjusted -> for procedure, see race circuit brochure on standard-production vehicle.**
Front screw ⇒*Rear wing delivery status* **-1-**: at the very bottom, rear screw (screw with collar) ⇒*Rear wing delivery status* **-2-**: top.

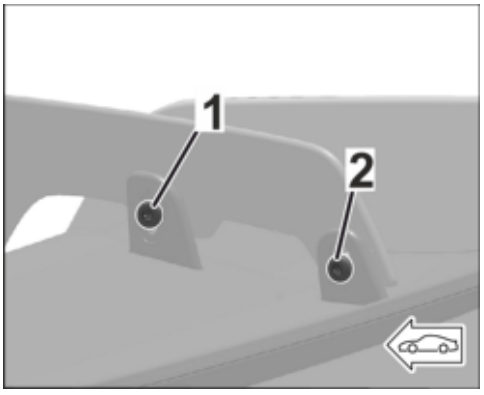
Further settings can be found in the race track brochure.



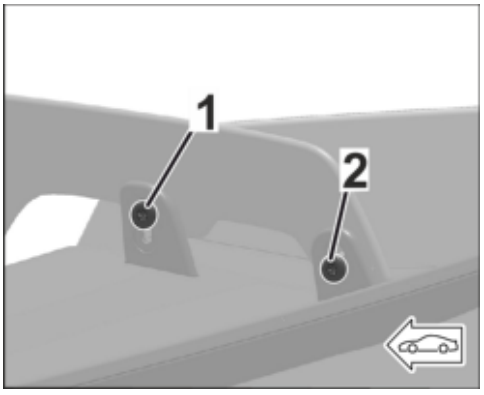
Rear wing delivery status



Rear wing flat race track setup



Rear wing medium race circuit setup



Rear wing steep circuit setup

11 Mounting of side stickers (optional)

Information

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

11.1 Carefully remove GT3 logo and adhesive residue.

11.2 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.

11.3

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.

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12 **Fitting door entry adhesive label**

Fitting tire pressure adhesive label

1. – Make adhesive surface grease-free.

2. – Glue new adhesive label as shown ⇒ *Fitting tire pressure adhesive label*.

13 Coding/programming Manthey Kit QY6

Information

The function is **ONLY** available when the Tester is online!

Information

The **PIWIS Tester** instructions take precedence since the description may be different with later Tester releases.

The procedure described here has been structured in general terms. Different text or additional information may appear on the **PIWIS Tester**.

NOTICE

Voltage drop

- **Risk of irreparable damage to control unit**
- **Risk of damage to control unit**
- **Fault entries in the control unit**
- **Control unit coding aborted**
- **Malfunctions in the control unit, even during programming**

⇒ **Switch off the ignition and remove ignition key before disconnecting the control unit.**

⇒ **Make sure that the power supply is not interrupted during programming.**

⇒ **Connect a battery charger with a current rating of at least 90 A to the vehicle battery.**

NOTICE

Control unit programming will be aborted if the Wi-Fi connection is unstable.

- **An unstable Wi-Fi connection can interrupt communication between the PIWIS Tester and the vehicle communication module (VCI). As a result, control unit programming may be aborted.**

⇒ **During control unit programming, always connect the PIWIS Tester to the vehicle communication module (VCI) via the USB cable.**

13.1 Preparatory work – Coding

13.1.1 Connect **P90999 - P90999 - PIWIS Tester 4** to the vehicle and switch it on.

13.1.2 Switch on ignition **AND** hazard warning lights on the vehicle.

13.1.3 Select the “Diagnostics” menu item on the PIWIS Tester.

13.1.4 If **P90999 - P90999 - PIWIS Tester 4** is connected correctly, a connection to the vehicle will be established: Model line “911“ is detected.

13.1.5 Press F12 to go to the control unit search screen.

13.1.6 Question: “Should a VAL be created?” If “Yes”, press F12 to confirm.

13.1.7 Select “AS VAL” in the next menu item and press F8 to start.

13.2 Enter the new vehicle equipment in the vehicle data using “PIWIS Online”

13.2.1 Press F7 in the control unit overview to switch to the “Additional menu”.

13.2.2 Select the “Maintain vehicle data with PIWIS ONLINE” function.

A message appears informing you that the “Actual” (vehicle) data and “Required” (PIWIS Online) data will be synchronized.

Press F12 to continue.

13.2.3 Confirm information "The vehicle data was synchronized with PIWIS Online. Significant differences were found" with F12 .

13.2.4 Look for the entry "Trim Cd value" in the "Family" column.

Select the value "QY6 - Manthey Kit" in the drop-down menu.

13.2.5 A table containing the coding value and the columns "new value" and "old value" are displayed in the overview. Press F8 to continue.

13.2.6 Data is then written/saved. The following information appears one after the other:

- Vehicle data is being transferred to PIWIS Online.

- Vehicle data is being written and transferred to the vehicle.
- Vehicle order written successfully.
- A check was performed in order to check whether control units have to be coded or programmed as a result of the changes made.

13.3 Code/program the new vehicle equipment.

13.3.1 Confirm the table containing a list of control units that must be coded/programmed by pressing F12 .

13.3.2 Individual data records will be loaded, depending on the number of control units to be coded/programmed.

Information "Creating backup documentation. Please wait... and "Coding was completed successfully". Press F12 to continue.

Repeat the process for other control units if necessary.

13.3.3 Information "Adaptation of the control units is complete." and check the coding status of the control units in the displayed table.

Continue by pressing F12 to return to the control unit overview.

13.4 Read out the fault memory of all systems, work through any existing faults and erase the fault memory. ⇒*Workshop Manual '0335IN Diagnostics maintenance: Diagnostic system and maintenance inter...'*

13.5 Switch off ignition and disconnect **P90999 - P90999 - PIWIS Tester 4**.

13.6 Disconnect battery charger ⇒*Workshop Manual '2X00IN Battery trickle charging'*.

NOTICE

Vehicle and driver weight

- **Before starting the alignment process, 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**

14 Perform suspension alignment.

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

14.2 Measure vehicle with the performance setup recommended by Manthey (race circuit driving). Adjustment via the Manthey measuring wheel system in the Conversion Instructions. ⇒*Installation and Conversion Instructions '440000 Measuring wheel system'*

14.3 Measuring criteria:

- Tank capacity: **Full**

- Driver ballast: **Driver weight**

Damper clicking Performance	Front axle	Rear axle
Rebound stage (R) LowSpeed (Black)	7	7
Rebound stage (R) HighSpeed (gold)	7	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 tires	101.0 mm / 3.98 in	249.0 mm / 9.80 in
Driving height on measuring wheel system	87 mm / 3.43 in (offset: -14 mm / —0.55 in)	242 mm / 9.53 in(offset: -7 mm / —0.28 in)

Damper clicking Comfort	Front axle	Rear axle
Rebound stage (R) LowSpeed (Black)	10	10
Rebound stage (R) HighSpeed (gold)	9	11
Pressure stage (C) LowSpeed (Black)	10	9
Pressure level (C) HighSpeed (Gold)	9	10
Steel anti-roll bar	Center position = medium	Center position = medium
Ride height on tires	101.0 mm / 3.98 in	249.0 mm / 9.80 in
Driving height on measuring wheel system	87 mm / 3.43 in (offset: -14 mm / —0.55 in)	242 mm / 9.53 in(offset: -7 mm / —0.28 in)

14.4 Measurement log:

Measurement log (executing PORSCHE center)			
Wheel alignment values (worldwide)	**Initial readings**	**Setpoint values**	**Final measurement**
Front axle			
Toe unpressed (total)		- 0°20'/- 3 mm	
Camber with wheels in straight-ahead position		- 2° 36'/- 2.6°	

Rear axle			
Toe per wheel		+ 0°17'/+ 2.5 mm	
Camber		-2° 45'/-2.75°	
Installed on:	Mechanic:	Acceptance:	Stamp:
(Date)	(First Name)	(Name of Foreman)	(Porsche Center)

15 Installing rear diffuser

15.1 Remove rear spoiler lower part (diffuser). ⇒*Workshop Manual '665919 Removing and installing rear spoiler lower part (diffuser)'*

Information
Correct alignment must be ensured.

15.1.1

Install new rear spoiler lower part (diffuser) ⇒*40*. ⇒*Workshop Manual '665919 Removing and installing rear spoiler lower part (diffuser)'*

1 – Rear diffuser (992.044.858.09)

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16 Installing the rear axle Aerodisk

Information

Aerodisk films are available as an option.
To attach the Aerodisk films, it is recommended that the Aerodisks be mounted on the vehicle and the vehicle raised to chest height.

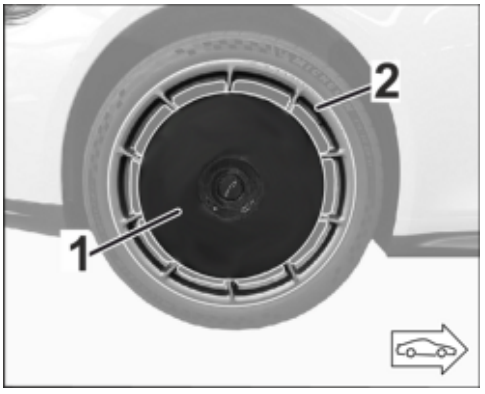
1 – Aerodisk (992.044.858.18)
2 – Wheel rim

16.1 Remove hub cap.

16.1.1 Position Aerodisk and screw it in using new screws. **Tightening torque: 15 Nm (11 ftlb.)**

16.1.2 Fit wheel trim cover.

16.2 Repeat this procedure on the other side.



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0913 23 45: 911 GT3 Manthey Performance-Kit complete — Labor time: **1550 TU**
Includes: 911 GT3 RS Manthey Performance-Kit installed, vehicle aligned and adjusted.