

**Complaint - Brake Rubbing/Floating Pedal Pressure Point/ High Wear on Brake Pads and Discs/Lateral Runout of Brake Disc: Replacing Brake Pads with Race Track Pads (214/21)**

Vehicle Type: **911 GT3 (992) / 911 GT3 with Touring Package (992)**

Model Year: **As of 2021 up to 2022**

Equipment: **Basic brake system, grey cast iron**

Concerns: **Brake pads at front and rear**

Information: The customer complains about one or more of the following symptoms:

- Brake pad rubbing/dragging on brake discs
- Varying pedal pressure point
- Soft pedal feel during brake application
- Excessive brake disc run-out (lateral or radial)
- Increased wear on brake pads

These symptoms can occur when in race track use or extreme driving situations.



**Information**

An optional race circuit pad was developed to reduce the effects of these symptoms. This can be optionally offered via the Porsche dealer for frequent race track use. Information about this race circuit pad is also provided in the Race Circuit Booklet.

Action required: Replace brake pads on front and rear axle with race track brake pads and replace brake discs.

For instructions, see:

- ⇒ *Workshop Manual '463656 Replacing front disc brake pads'*
- ⇒ *Workshop Manual '463856 Replacing rear disc brake pads'*
- ⇒ *Workshop Manual '465019 Removing and installing front brake disc'*
- ⇒ *Workshop Manual '465319 Removing and installing rear brake disc'*



**Information**

**Due to their performance, the race track brake pads can cause noises (e.g. squealing).** The brake pad selection should therefore be adapted to the customer's main driving scenario.



**Information**

When changing out the standard brake pads with the race track brake pads, it is essential to replace all of the brake pads on the vehicle at the same time. Do not only replace the front axle or the rear axle with race brake pads.

**Required parts, tools and materials****Information**

If the vehicle is **mainly for race track use**, the customer will find **two equivalent variants** available as an alternative below.

The table below shows an overview of the respective acoustic and performance properties of each brake pad.

An **overview of possible combinations** can also be found in the **matrix** in the PCSS, see **PCSS ⇒ TI 4650 possible combinations**.

**Mixed brake pads installation between the front axle and rear axle is not permitted.**

Brake pad variant	Acoustics	Performance
As-delivered condition	optimal	good
Variant 1	very good	very good
Variant 2	good	optimal

Parts Info:

**Required parts: Variant 1 (Tequipment)**

Part No.	Designation – Location	Number
WHT008186	⇒ Cheese head bolt, M12 x 1.5 x 62 – Fixed calliper on front axle	4 pieces
9P1698995	⇒ 1 set of springs – Fixed calliper on front axle	2 pieces
9A700758500	⇒ Cheese head bolt, M12 x 1.5 x 85 – Fixed calliper on rear axle	4 pieces
971698995B	⇒ Expanding spring – Fixed calliper on rear axle	2 pieces

**Variant 1: Brake pads for disc brakes**

9GT698151R	⇒ Set of brake pads for disc brakes – Front axle	1 piece
9GT698451N	⇒ Set of brake pads for disc brakes – Rear axle	1 piece

**Variant 1: Brake disc**

9GT615301B	⇒ Brake disc – Front axle, left	1 piece
	<b>Only in conjunction</b> with brake pads for disc brakes (front axle - 9GT698151R or 9GT698151M) Mixed installation with other brake pads is not permitted.	
9GT615302B	⇒ Brake disc – Front axle, right	1 piece
	<b>Only in conjunction</b> with brake pads for disc brakes (front axle - 9GT698151R or 9GT689151M) Mixed installation with other brake pads is not permitted.	
9GT615601B	⇒ Brake disc - Rear axle, left	1 piece
9GT615602B	⇒ Brake disc - Rear axle, right	1 piece
PAF009830	⇒ Internal hexagon round countersunk screw, self-locking, M6 x 8 – Rear axle	4 pieces
PAF009591	⇒ Hex socket cheesehead screw	20 pieces

Parts Info:

**Required parts: Variant 2 (GT3 RS)**



**Information**

If the vehicle **is mainly for race track use**, the customer will find **two equivalent variants** available as an alternative below.

The table below shows an overview of the respective acoustic and performance properties of each brake pad.

An **overview of possible combinations** can also be found in the **matrix** in the PCSS, see **PCSS ⇒ TI 4650 possible combinations**.

**Mixed brake pads installation between the front axle and rear axle is not permitted.**

Part No.	Designation – Location	Number
9GT615124E	⇒ Brake calliper – Front axle, right	1 piece
9GT615123E	⇒ Brake calliper – Front axle, left	1 piece

WHT008186	⇒ Cheese head bolt, M12 x 1.5 x 62 – Fixed calliper on front axle	4 pieces
9P1698995	⇒ 1 set of springs – Fixed calliper on front axle	2 pieces
9A700758500	⇒ Cheese head bolt, M12 x 1.5 x 85 – Fixed calliper on rear axle	4 pieces
971698995B	⇒ Expanding spring – Fixed calliper on rear axle	2 pieces

**Variant 2: Brake pads for disc brakes**

9GT698151T	⇒ Set of brake pads for disc brakes – Front axle  <b>Only in conjunction</b> with brake disc (front axle, left/right - 9GT615301G/302G) <b>Mixed installation</b> with other brake discs is <b>not permitted</b> .	1 piece
9GT698451P	⇒ Set of brake pads for disc brakes – Rear axle  <b>Only in conjunction</b> with brake disc (rear axle, left/right - 9GT615601B/602B) <b>Mixed installation</b> with other brake discs is <b>not permitted</b> .	1 piece

**Variant 2: Brake disc**

9GT615301G	⇒ Brake disc – Front axle, left	1 piece
9GT615302G	⇒ Brake disc – Front axle, right	1 piece
9GT615601B	⇒ Brake disc – Rear axle, left	1 piece
9GT615602B	⇒ Brake disc – Rear axle, right	1 piece
PAF009830	⇒ Internal hexagon round countersunk screw, self-locking, M6 x 8 – Rear axle	4 pieces
PAF009591	⇒ Hex socket cheesehead screw	20 pieces

## Tools:

- **9900 - 9900 - PIWIS Tester 3**
- **T10439 - T10439 - Assembly pin**
- **T10145 - T10145 - Piston reset tool**

Materials: **Required materials** (usually already available at the Porsche dealer):

Part No.	Designation	Quantity
00004330508	⇒ Mounting paste (100 g/ 3.53 oz tube)	4 g/ 0.14 oz

### Invoicing



#### Information

In the event of a lateral runout, invoicing under warranty is only permissible if the brake discs do not show any change in color due to overheating and there are no other heat discolorations (blue, etc.).

For documentation and invoicing **in the event of a warranty**, state the work items required depending on the scope of work required and the specified PCSS encryption in the warranty claim:

APOS	Labour operation	I No.
46365600	Replacing front disc brake pads	
46385600	Replacing rear disc brake pads	
46502050	Removing and installing 2 front brake discs	
46532050	Removing and installing 2 rear PCCB brake discs	

PCSS encryption:

Location (FES5)	46500	Front brake disc
Damage type (SA4)	1316	rubbing

References:   ⇒ *Workshop Manual '463656 Replacing front disc brake pads'*  
                   ⇒ *Workshop Manual '463856 Replacing rear disc brake pads'*  
                   ⇒ *Workshop Manual '465019 Removing and installing front brake disc'*  
                   ⇒ *Workshop Manual '465319 Removing and installing rear brake disc'*

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