

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)

Change overview:

Version	Date	Change
1	10/04/2022	<ul style="list-style-type: none"> • First publication
2	07/26/2024	<ul style="list-style-type: none"> • Combination overview of race circuit accessories adapted • Required parts adapted (brake disc part number)
3	08/06/2024	<ul style="list-style-type: none"> • Update of Cause • Update of Required parts, tools and materials

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

Model Year: **As of 2021 up to 2023**

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

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

Cause: The customer complains about brake rubbing, varying pedal pressure point, soft pedal feel, brake disc run-out or increased wear on the brake pads. This type of fault can occur as a result of race track use and/or extreme driving situations.



Information

The grey cast iron standard brake pad installed at the factory can show problems with regard to wear, pedal feel, brake rubbing and brake disc run-out when driving on race tracks in extreme driving situations. This behaviour is not a functional defect in the brake system or brake components.

If this behavior occurs in a vehicle that is often used on race track use, we recommend that you use optional race track brake pads that have been developed specifically for use on race circuits. These brake pads are also referred to in the supplemental brochure, "Driving on the race track."

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 exchanging the brake pads with the race track brake pads, it is essential to replace these vehicle-wide. Do not only replace the front axle or the rear axle with race track 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.

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

Brake pad variant	Acoustics	Performance
As-delivered condition	best	good
Variant 1 (Tequipment)	very good	very good
Variant 2 (GT3 RS)	good	best

**Information**

An **overview of the possible combinations** can also be seen in the following overview. ⇒ *Combination options for race circuit accessories*

Possible combinations with race track accessories (992 GT3):					
If the vehicle is mainly for racetrack use , the customer will find two equivalent variants below, which are available as alternatives to the standard equipment.					
Use of:	Installation with:				
	Brake calliper GT3 FA	Brake calliper GT3 RS FA	Pad (set) GT3	Pad (set) GT3 Tequipment	Pad (set) GT3 RS
Brake calliper GT3 FA FA: 9GT.615.123/4.G or H	FA left and right	no	yes	yes	no
Brake calliper GT3 RS FA FA: 9GT.615.123/4.E or C	no	FA left and right	no	no	yes
Pad (set) GT3 FA: 9GT.698.151.M HA: 9GT.698.451.C	yes	no	FA and RA	no	no
Pad (set) GT3 Tequipment FA: 9GT.698.151.R RA: 9GT.698.451.N	yes	no	no	FA and RA	no
Pad (set) GT3 RS FA: 9GT.698.151.T RA: 9GT.698.451.P	no	yes	no	no	FA and RA

No mixed installation of the front axle (FA)/rear axle (RA) brake pads -> Replacement only on the complete vehicle!
If the compatible components are already installed on one axle, an axle-by-axle replacement can also be carried out on the other axle (in case of wear/defect).

Combination options for race circuit accessories

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

9GT615301L	⇒ Brake disc – Front axle, left	1 piece
9GT615302L	⇒ Brake disc – Front axle, right	1 piece
9GT615601E	⇒ Brake disc – Rear axle, left	1 piece
9GT615602E	⇒ 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)

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	1 piece
9GT698451P	⇒ Set of brake pads for disc brakes – Rear axle	1 piece

Variant 2: Brake disc

9GT615301L	⇒ Brake disc – Front axle, left	1 piece
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9GT615302L	⇒ Brake disc - Front axle, right	1 piece
9GT615601E	⇒ Brake disc - Rear axle, left	1 piece
9GT615602E	⇒ 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

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

Part No.	Designation	Quantity
00004330508	⇒ Mounting paste (100 gram/ 3.52 oz tube)	4 grams/ 0.14 oz

- Tools:
- **P90999 - PIWIS Tester 4**
 - **T10439 - Assembly pins**
 - **T10145 - Piston reset tool**

Labor position and PCSS encryption



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.).

Labor position:

APOS	Labor 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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