

**Symptom - PSCB brake - Squeaking Noises from Around the Rear Axle: Affix Adhesive Film on Rear Brake Pads (SY 32/22)**

Vehicle Type: **Macan Turbo (95B) / Macan GTS (95B)**

Model Year: **As of 2020 up to 2022**

Equipment: **Front disc brake (Geomet D) (M-no. 1ZP)  
Front disc brake (M-no. 1ZZ)  
Rear disc brake (M-no. 1KN)**

Concerns: **Rear brake pads**

Symptom: Customers complain about squealing from around the rear brakes.

Cause: Vibrations in the area of the rear brakes, which occur more heavily in the low-load range, can cause squealing.

Remedial Action: In the event of a complaint, affix adhesive film to the back of the rear brake pads.

**Required parts and materials**

Parts Info: **Required parts:**

<b>Part No.</b>	<b>Designation - Location</b>	<b>Number</b>
4H6615231A	⇒ Retainer spring - Rear brake	4 pieces
N 01024124	⇒ Hex flange bolt, self-locking M8 x 22 - K - Rear brake	4 pieces
<b>If required</b>		
95B698451J	⇒ 1 set of brake pads for disc brakes - Rear brake	1 piece

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

<b>Part No.</b>	<b>Designation</b>	<b>Quantity</b>
....	⇒ Adhesive film (3M™ VHB™ Adhesive Transfer Tape F9469PC)	4 pieces
....	⇒ Cleaning agent	As required

## Preliminary work

Work Procedure: 1 Remove brake pads.  
For instructions, see:  
⇒ *Workshop Manual '463856 Replace rear disc brake pads'*

## Affixing adhesive film on the rear brake pads



### Information

Brake pads that are close to the wear limit must be replaced.  
For instructions, see:  
⇒ *Workshop Manual '463502 Check rear PCCB brake pads'*



### Information

Do not use cleaning agents that can damage the components, e.g. brake cleaner, nitro-dilution or solvent naphtha.

- Work Procedure: 1 Cut out adhesive film using the cut template provided.
- 2 Clean the back of the brake pads using a suitable cleaning agent.
  - 3 Clean the brake calliper close to the sealing surfaces of the brake pad using a suitable cleaning agent.
  - 4 Remove protective film from the adhesive film.
  - 5 Affix adhesive film directly onto the back of the brake pad from the outside in. When doing so, make sure that no air is encased under the adhesive film and that the adhesive film is affixed fully.
  - 6 Remove the second protective film.

## Concluding work

- Work Procedure: 1 Installing brake pads.  
For instructions, see:  
⇒ *Workshop Manual '463856 Replace rear disc brake pads'*
- 2 Press the brake medium-strength five times with the engine running.

## Invoicing

For documentation and warranty invoicing, enter the working position and PCSS encryption specified below in the warranty claim:

APOS	Labor operation	I No.
46382020	Removing and installing rear brake pads	

PCSS encryption:

Location (FES5)	46550	Rear PSCB brake disc
Damage type (SA4)	2019	squeaks

References: ⇒ *Workshop Manual '463502 Check rear PCCB brake pads'*  
 ⇒ *Workshop Manual '463856 Replace rear disc brake pads'*

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D

C

B

A

4

3

2

1

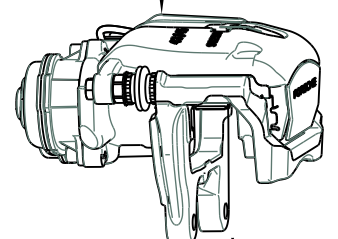
4

3

2

1

Brake caliper

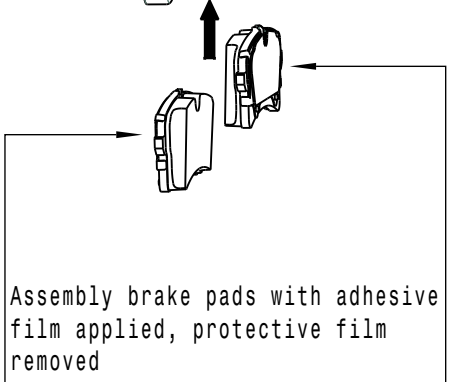
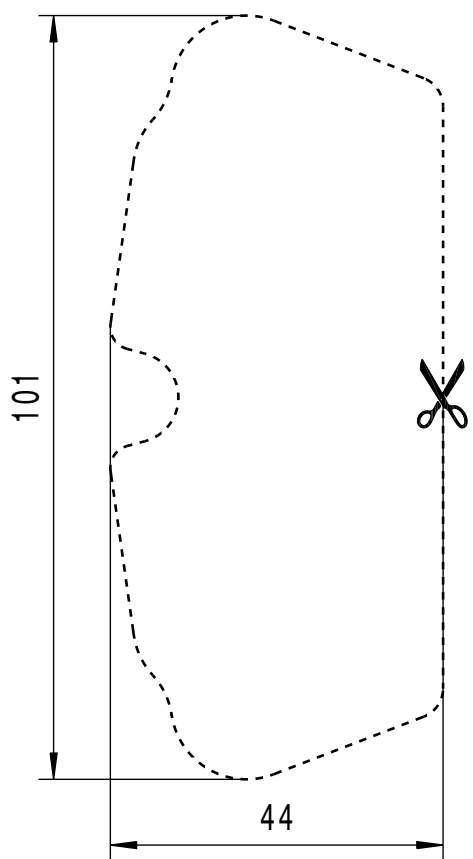


The procedure to assemble a tape to pad & shim assy, and the pad & shim & tape assy assembling to caliper assy:

1. Cut out the adhesive foil according to the cutting template.
- 1-1. On the clip-on side surface of pad & shim assy, it is necessary to remove dust and oil using suitable materials.\*
- 1-2. On the piston surface of caliper assy, it is necessary to remove dust and oil using suitable materials.\*
2. Remove the release liner without touching the adhesive surface.
3. Place the tape from outside to innerside directly on the clip-on.  
Don't let air go between the tape and the clip-on.  
Make sure that the entire surface of the tape is attached.
4. Remove the 2nd release liner.
5. Assemble pad & shim & tape assy to caliper assy.
6. Apply the brake with running engine for 5 times with 20 bar brake pressure (medium strong).
7. End.

\* For example, a damp cloth. Do not use products that could damage the rubber parts, such as nitro thinner, petrol and brake cleaner.

Cutting Template



Assembly brake pads with adhesive film applied, protective film removed

To be used for: Macan PSCB rear axle brake lining 95B.698.451.J  
Adhesive film: 3M™VHB™ adhesive Transfer Tape F9469PC

This drawing is our property. It can't be reproduced or communicated without our written agreement.		<b>PORSCHE</b>		
DRAWN BY <b>IAV</b>		DATE 07.04.2022		DRAWING TITLE <b>CUTTING TEMPLATE</b>
CHECKED BY	DATE	SIZE <b>A4</b>	DRAWING NUMBER	
DESIGNED BY	DATE	SCALE <b>1:1</b>	WEIGHT (kg)	REV <b>1</b>
				SHEET <b>1/1</b>

D

A