



## TECHNICAL SERVICE BULLETIN

23-2268

# Moan/Low Frequency Squealing Noise From The Rear Brakes Under Cold Weather Conditions While Reversing

01 October  
2023

This bulletin supersedes 22-2336. Reason for update: New Part/Procedure For Same Condition

### Model:

<b>Ford</b> 2018-2022 Focus	Build Date: 01 May 2018 – 01 January 2022 Assembly Plant: SAARLOUIS PLANT BUILD (AAGAT)
2019-2022 Kuga/Escape	Build Date: 01 July 2019 – 30 September 2021 Assembly Plant: VALENCIA (SPAIN) PLANT BUILD (AAGAY)

**Issue:** Some 2018-2022 Focus And 2019-2022 Kuga/Escape Vehicles may present with a moan/low frequency squealing noise from the rear brakes while reversing AND braking. The probable cause for this concern is the rear brake system excites the rear suspension system which then emits the low frequency noise.

**Action:** To rectify this concern,

- **A:** Visually check the outer surface of both rear brake caliper lower rubber bushes. If the lower rubber bush surface shows **two longitudinal parallel lines**, refer to **B**. If not, replace the **lower** bush by the Kit- Retaining Pin on **both** rear calipers in addition to **B**.
- **B:** Remove the rear brake pads and install shims. Additional rework of the inner shim holes may be required to adapt the plate.

**NOTE:** This Service Instruction is only for installing shims on existing brake pads. There is NO need to renew the brake pads. For future brake pad exchanges the installed shims should be reused.

**NOTE:** Dealers are advised to locally source Copper Grease/Copper Paste/Copperkote/Copper based anti-seize/GREASE LONG LIFE 80G (1C1J 19584 AB) or similar grease for applications.

### Parts

Service Part Number	Quantity	Description	Note
KTLX61 2D233 AA	1	Kit - shim brake pads	
DG9C-2C150-BA	2	Rear brake caliper Kit- Retaining Pin (If Required)	
-	1	Copper Grease/Copper Paste/Copperkote/Copper based anti-seize/GREASE LONG LIFE 80G (1C1J 19584 AB) or similar grease	Source Locally

### Labor Times

Description	Operation No.	Time
Raise and Support the Vehicle including Check	232268A	0.2 Hrs.
Rear Brake Caliper Kit- Retaining Pin - Install (Both Sides)	232268B	0.1 Hrs.
Brake Pads - Rear - Remove and Install (Both Sides)	232268C	0.5 Hrs.

### Repair/Claim Coding

Causal Part:	2D233
Condition Code:	05

### PDR Table

PDR Code	Description	Time
TSB232268A	Check Rear Brake Caliper Kit- Retaining Pin and Brake Pads Remove and Install (Both Sides)	0.8 Hrs.
TSB232268B	Check Rear Brake Caliper Kit- Brake Pads Remove and Install (Both Sides)	0.7 Hrs.

## Service Information

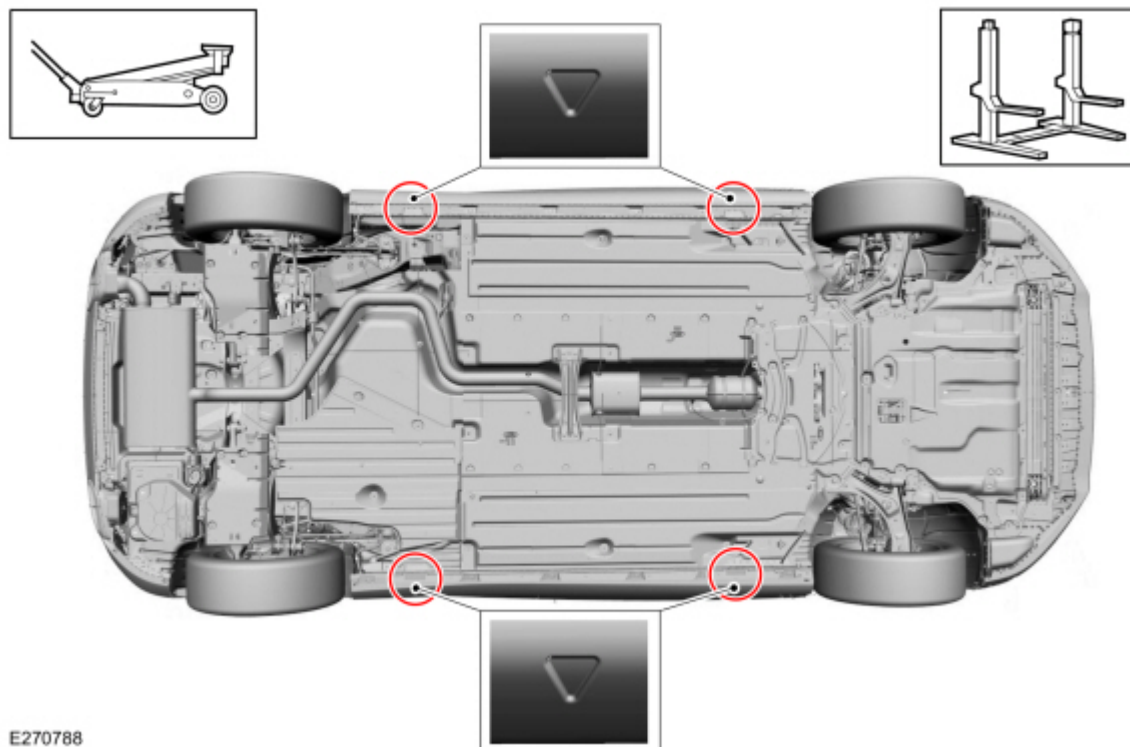
Video (example) - Squealing noise from the rear brakes under cold weather conditions while reversing the vehicle  
**AND** braking

1. [Click here for video "Low frequency squealing noise from the rear brakes"](#)

## Service Instruction

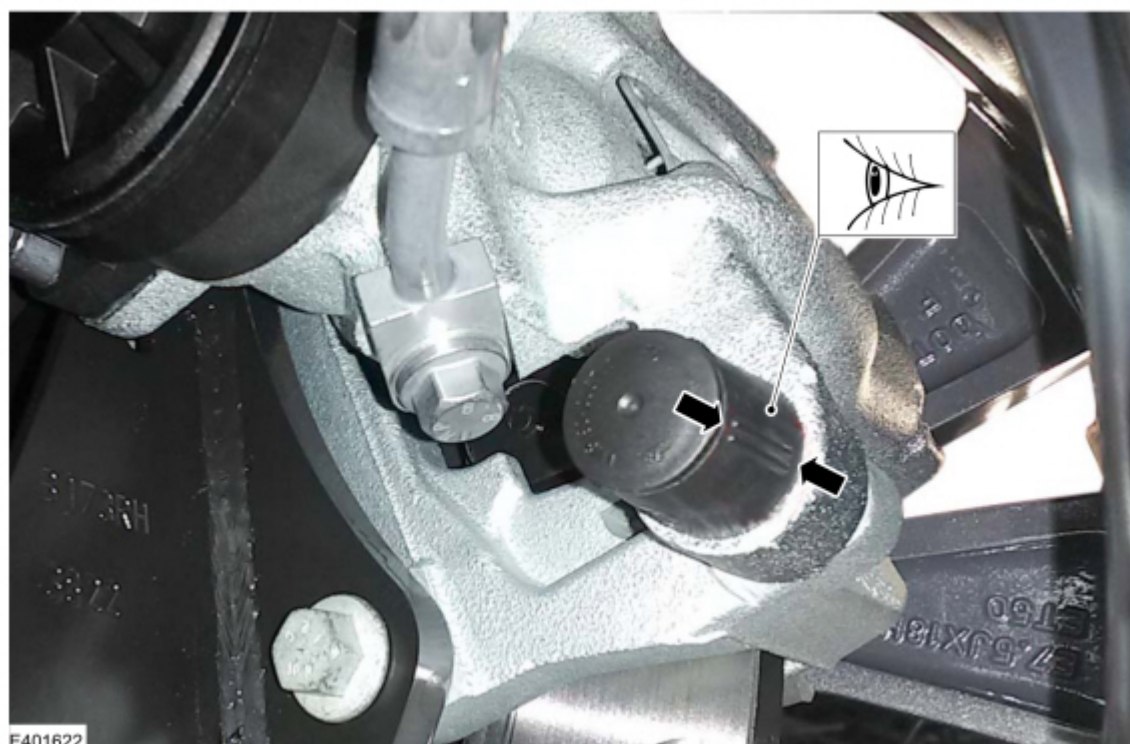
**Check the outer surface of both rear caliper lower rubber bushes**

1. Raise and support the vehicle (Focus 2019 shown). For additional information, refer to Focus 2019; Kuga 2020 Workshop Manual Section 100-02.



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2. Visually check the outer surface of both rear caliper lower rubber bushes.
  - If the surface shows two longitudinal parallel lines, go to section **<Brake pads - Remove>**.
  - If not, go to section **<Kit- Retaining Pin - Install>**.
  - Rear brake caliper rubber bush **with** two longitudinal parallel lines shown.



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### Kit- Retaining Pin - Install

1. **NOTE:** The Kit- Retaining Pin includes the pin for the upper and lower fastener. Only the reinforced and white marked lower pin should be used. For one vehicle repair two kits are required.

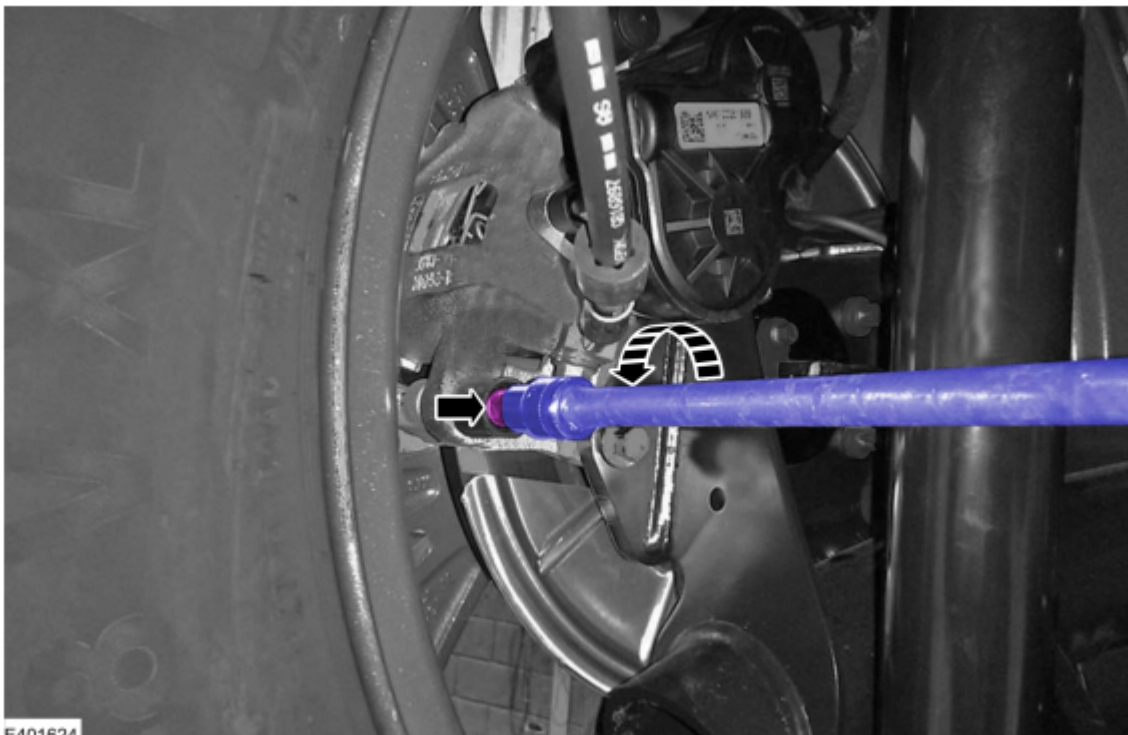
Content of the new released rear brake caliper Kit- Retaining Pin:

- Upper retaining pin
- Lower retaining pin reinforced and white marked
- Rubber bush (two off)
- Bush cap (two off)



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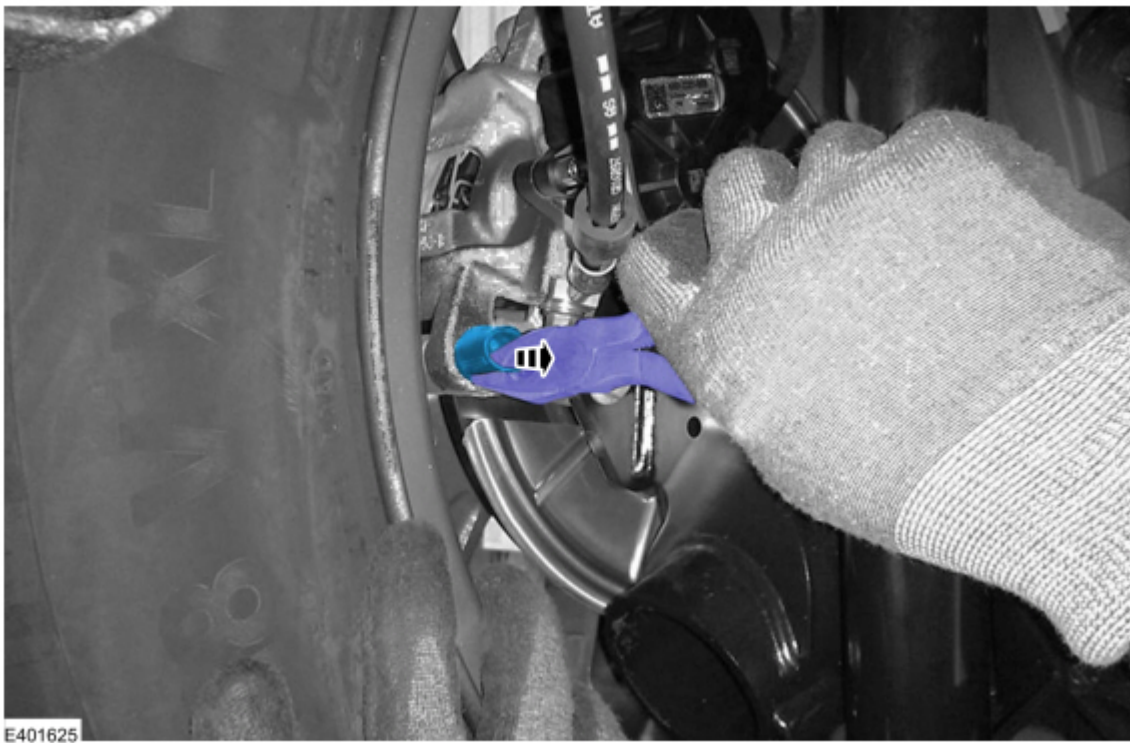
2. Remove the lower bush cap and retaining pin on both sides.
  - Discard the components.



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3. Using a suitable tool, remove and discard the lower rubber bush on both sides.





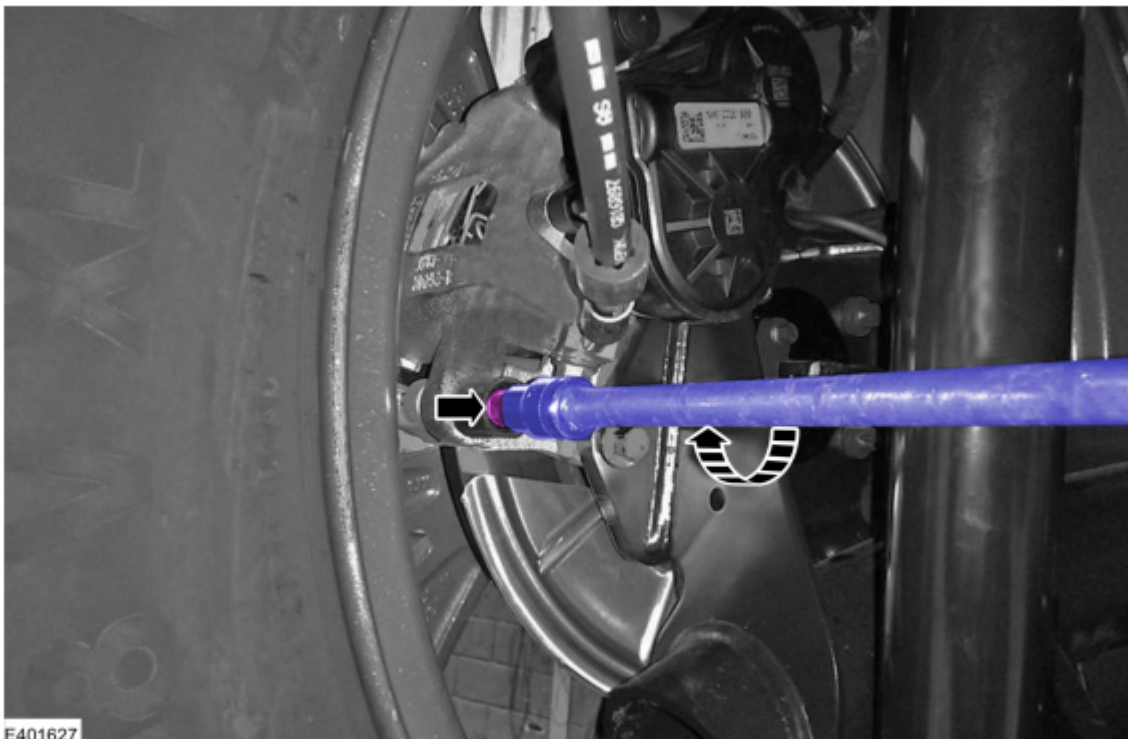
4. Using a nylon wedge or similar suitable tool, install the reinforced bush in the housing (Part of the Kit- Retaining Pin) on both sides.



5. **NOTE: Only the reinforced and white marked lower pin should be used. For one vehicle repair two kits are required.**

Install the new **reinforced and white marked lower** retaining pin (Part of the Kit- Retaining Pin) on both sides.

- Torque: 35 Nm

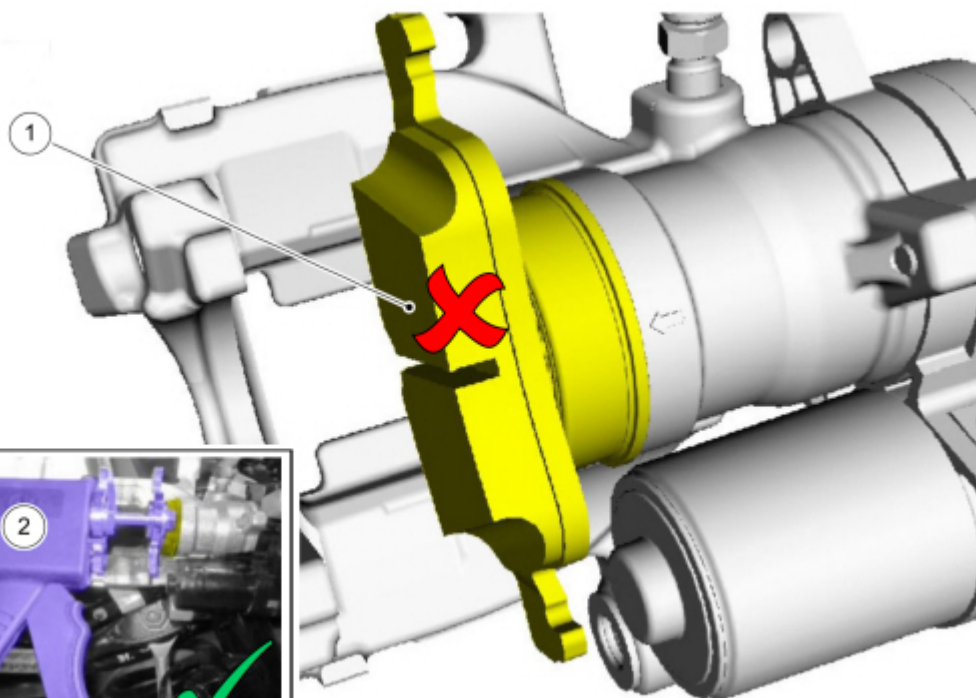


6. Lower the vehicle.

### Brake pads - Remove

1. Remove the rear brake pads. For additional information, refer to Focus 2019; Kuga 2020 Workshop Manual Section 206-04.

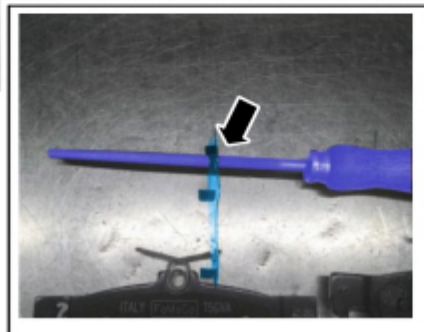
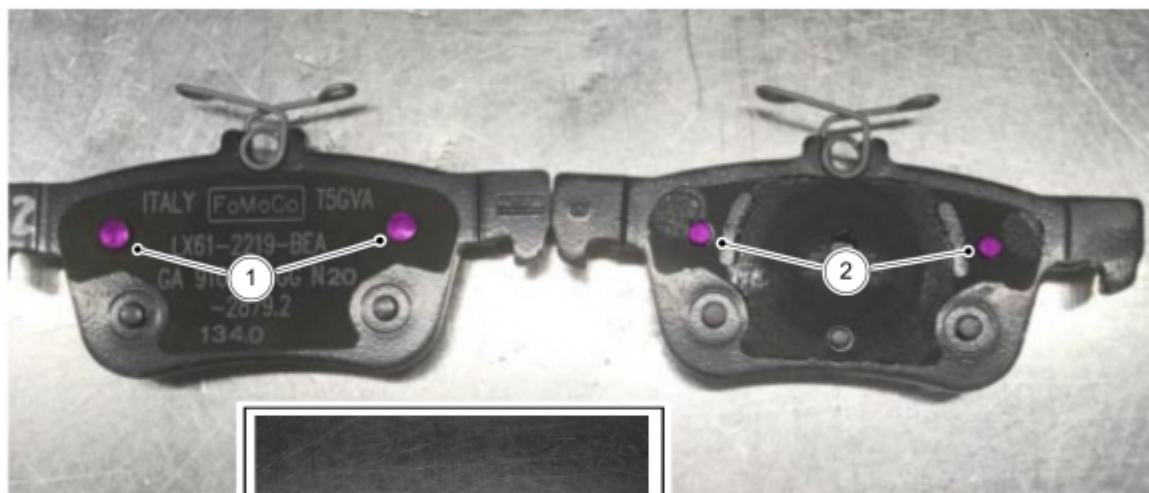
- (1). Without rotating it push the piston into the caliper housing by about 4 mm. **Do NOT** use the brake pad to do so.
- (2). Using a suitable tool to push the piston into the housing.



### Shim brake pads - Rework

1. Two different brake pad designs have been installed in production. On some brake pads the inner shim does not fit correctly (only inner brake pad), due to small diameter of fixation cut out.

- (1). Brake pad with larger diameter fixing pin.
- (2). Brake pad with smaller diameter fixing pin.
- (3). If required, enlarge the bore(s) in the shim, using a suitable round file ( $\varnothing$  6.5 mm).
  - Using compressed air, remove all debris from the shims.



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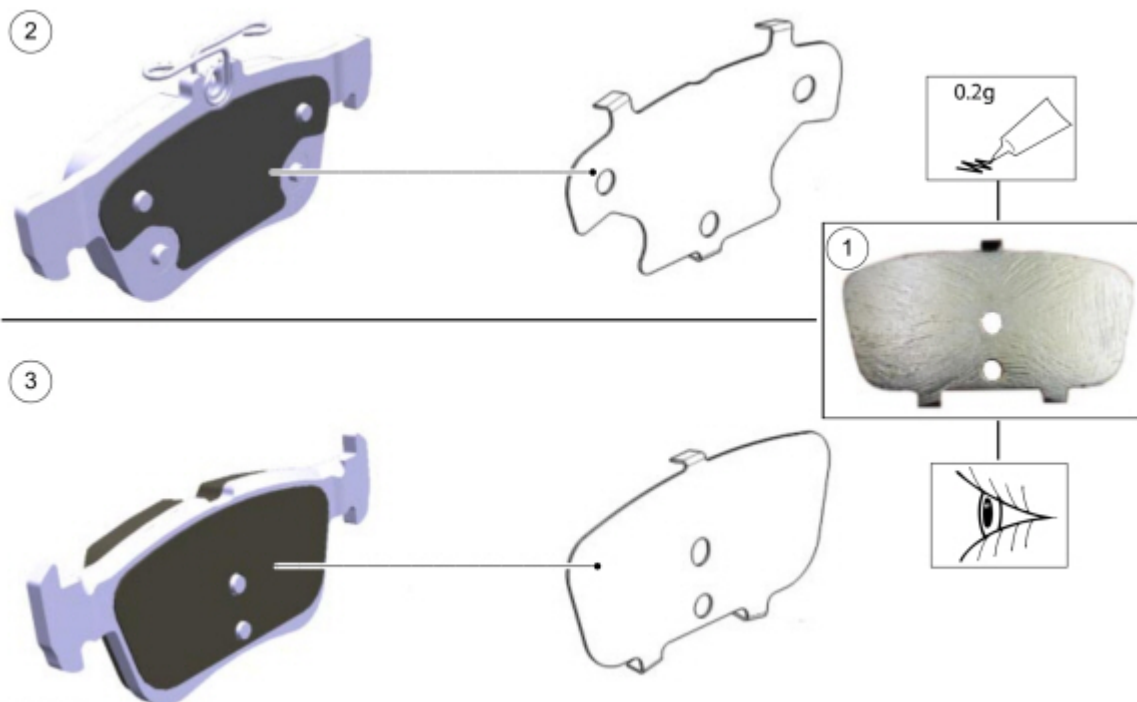
### Shim brake pads - Install

1. Assemble the shims to the respective fist and piston side brake pads.

(1). Apply a grease layer as thin as possible with a brush onto the shiny stainless steel side (see Parts Required).

(2). Piston side

(3). Fist side



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### Brake pads - Install

1. Install the rear brake pads with shims onto the brake caliper anchor plate in reverse order. For additional information, refer to Focus 2019; Kuga 2020 Workshop Manual Section 206-04.