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WM 463856 Replacing rear disc brake pad

Tools

Designation	Type	Number	Description	
piston resetting fixture (replaces P83)	Commercially available tool	Nr.144		

Information

Note on pictures shown



Information

- The pictures shown in this document may differ from the original.

Preliminary work

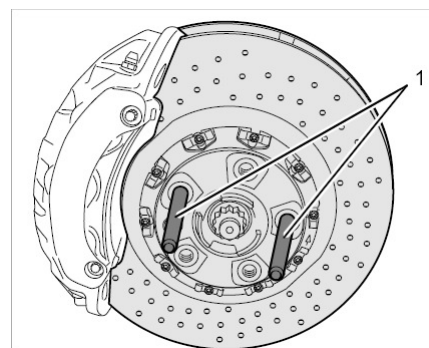
Preliminary work

Lift the vehicle.

→ 4X00IN Lifting the vehicle.

Remove wheel. Use assembly aids (assembly pins) -1- .

→ 44051900 Removing and installing wheel.



Brake disc and calliper



Information

- Do not open the brake system.
- Do not loosen the brake hose from the brake calliper when loosening the brake calliper.
- The core of the warning contact wire must not be left exposed! It does not matter if the insulation is worn.
- If necessary, remove a little brake fluid from the reservoir by suction in order to prevent an overflow when the disc brake pads are pushed back.

1. Partially remove brake calliper.

→ 474119 Removing and installing rear brake calliper

Removing rear disc brake pad

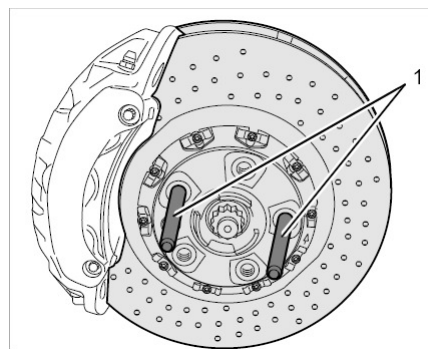
Removing rear disc brake pad

NOTICE

Removing/fitting wheels

- Risk of damage to (ceramic) brake discs

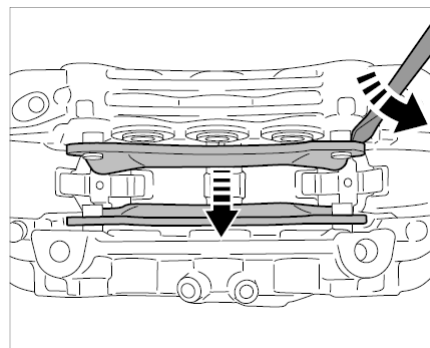
- Use two assembly pins when removing and fitting the wheel.
 - Carefully guide the wheel towards the wheel hub, thereby preventing any heavy impact on the (ceramic) brake disc.
1. Screw the two assembly aids (assembly pins) **-1-**, instead of two wheel bolts, into the wheel hub before removing/fitting the wheel. During removal, first remove the three remaining wheel bolts and remove the wheel carefully without touching the brake discs.



Front-axle brake disc with calliper and assembly aids 1 (threaded bolts for fitting wheel)

2. Then (after removing the wheel), remove the two assembly aids (assembly pins) **-1-** again.
3. Push brake pistons back into their original position using the **piston resetting fixture (replaces P83) Nr.144**, see Workshop Equipment Manual, Chapter 2.4.

4. Carefully slide a commercially available screwdriver between the brake pad/brake calliper and lever the brake pad out by turning the screwdriver slightly. When doing this, make sure not to damage the dust boots on the brake pistons. **-direction arrows-**



Removing brake pads

5. Remove pad retaining springs.

Installing rear disc brake pad

Installing rear disc brake pad



WARNING

Old mounting parts fitted on the brake calliper

- Reduced braking effect
- Risk of damage to the brake calliper

- Fit new pad retaining springs
- Fit new fastening screws



WARNING

Installation of brake pads with the wrong brake pad quality

- Longer braking distance
- More wear on brake pads

- Only use the type-specific brake pads listed in the Porsche Parts Catalogue.
- Replace the brake pads when the brake pad wear indicator light comes on, but no later than when there is a residual pad thickness of 2 mm on each axle.
- Replace the brake discs on each axle as soon as the brake pad wear limit is reached.



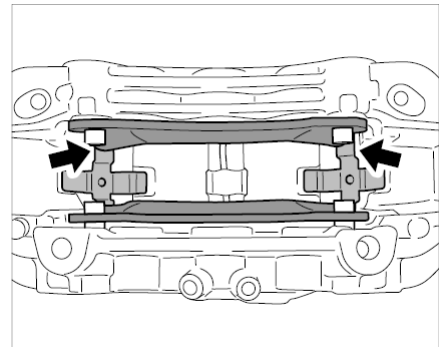
Information

- The back of the pad backing plates must not be greased.
- Check disc brakes for wear. For details of wear limits see → 465302 Checking rear brake discs (wear

assessment).

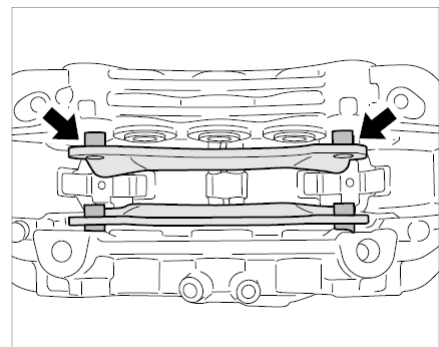
- Disc brakes must be clean and free of grease.
- The core of the warning contact wire must not be left exposed! It does not matter if the insulation is worn.
- If necessary, remove a little brake fluid from the reservoir by suction in order to prevent an overflow when the disc brake pads are pushed back.
- Use new repair kit.
- Observe correct tightening torques → 4X00IN Tightening torques for the brake hydraulic system.

1. Fit new pad retaining springs.
2. Place the disc brake pad onto the sealing surfaces of the pad retaining springs. **-arrows-**



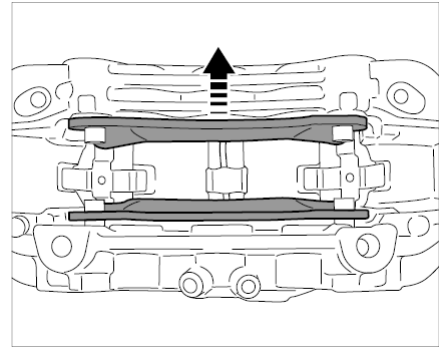
Fitting brake pad

3. Press the brake pad into the brake calliper with slight pressure and slide it onto the pad retaining pins. **-arrows-**



Positioning brake pad

4. Fit the disc brake pad. **-direction arrow-**



Fitting brake pad

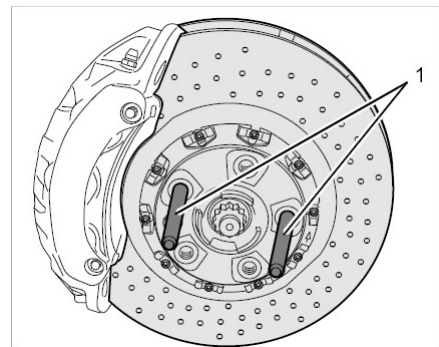
5. Position disc brake pads by operating the brake several times.
6. Check the brake fluid level and correct it if necessary.

→ 470801 *Checking brake fluid level*

Subsequent work

Subsequent work

1. Fit the wheel. Use assembly aids (assembly pins) -1- . → 44051900 *Removing and installing wheel*



PCCB brake disc and calliper (shown as an example)

Information

Bedding in the brake pads

New brake pads require a bedding-in period of approx. 200 km (125 miles) Only then do they achieve their best friction and wear coefficient! During this period, the brakes should only be subjected to full stress at high speed in emergencies!

970110, 970111, 970120, 970121, 970130, 970131, 970410, 970411, 970420, 970421, 970430, 970431

Model year as of 2010

C00, C02, C05, C07, C08, C09, C10, C11, C12, C13, C14, C15, C16, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C32, C33, C34, C35, C36, C37, C38, C39, C45, C46, C98, C99