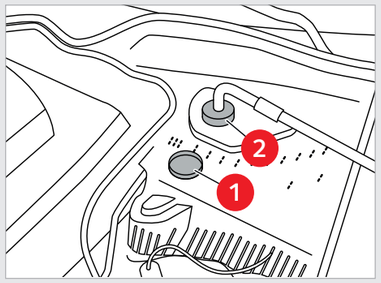
HYDRAULIC CIRCUIT

FILLING AND BLEEDING

- Place the vehicle on the vehicle lift.
- Check if the clutch/brake fluid level is between the MIN and MAX marks.
- Remove the cap (Picture 6, n°1) from the clutch/brake fluid reservoir and connect the appropriate kit (Picture 6, n°2) to the reservoir.
- Remove the protective cap, connect the extraction device and open the bleed valve on the brake calipers.
- Slowly open the tap on the bleed kit and wait until all the air in the hydraulic system has come out.

6



BLEED KIT

NOTE

Carefully clean the cap and the entire top surface of the reservoir next to the opening to prevent impurities from entering the clutch/ brake fluid reservoir, before unscrewing the cap.

Bleed sequence

1. Front left caliper
2. Front right caliper
3. Rear left caliper
4. Rear right caliper

NOTE

Once the bleeding operations have been completed, carry out a road test where at least one instance of ABS braking occurs.

HOW TO KEEP YOUR TECH STILL ON TREND

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INSTALLATION GUIDE

Mercedes E-Class 4Matic (w212) FRONT BRAKES

BRAKE FLUID

BRAKE FLUID	
Product	DOT 4, Low viscosity
Capacity	1.0 litre
Maintenance intervals	Every 2 years

BRAKE FLUID DOT4 LOW VISCOSITY	
FBX025	250 ml
FBX050	500 ml
FBX100	1 lt

FERODO PART NUMBERS, BRAKE PAD SET

FDB1979 (set)	Brake pad	(mm)
OE: 0054201020 0054201320 0054201620 0064202820	Length	188
	Height	80
WVA: 24310	Thickness	19.2
Brake system: TRW		

To be fitted together with Ferodo disc DDF1694C-1

BRAKE PADS AND DISCS

Please use the Ferodo website for the correct choice of brake pads and discs.

NOTE

- The w212 is equipped as standard with Sensotronic Brake Control (SBC). SBC is an electro-hydraulic brake system that allows braking pressure to be measured more precisely and rapidly, reducing the stopping distance particularly during emergency braking (Brake Assist System [BAS]).
- The SBC system can only be disabled using a suitable diagnostic tool.

OPERATING PRECAUTIONS

- Do not perform maintenance work on an SBC system without first disabling it.
- The automatic displacement of the brake piston can cause serious injury.
- Likewise serious injuries can be caused by high-pressure brake fluid leaks caused by braking pressures.
- Brake fluid is hygroscopic and needs to be replaced at regular intervals. Do not allow fluid to fall onto painted, rubber, plastic or mechanical parts.

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MERCEDES E-CLASS 4MATIC (W212) FRONT BRAKES

BRAKE PADS

REMOVAL

- Disable the SBC brake system using a diagnostic tool.
- Place the vehicle on the vehicle lift and remove the front wheels.
- Disconnect the plug connector of the brake pad contact sensor.
- Unhook the power cable of the brake lining contact sensor from the fixing clips on the stub axle.
- Remove the clip (Picture 1, n°1) and the protective caps.
- Remove the screws (Picture 2, n°1) from the guide pin and disconnect the wear sensor.
- Pull the caliper downwards (Picture 3, n°1).
- Remove the caliper together with the brake pads and attach it to the vehicle without stretching the brake hoses.
- Remove the brake pads.

Caliper removal:

- Replace the brake pad guide clips.
- Unscrew the lower caliper pin.
- Remove the caliper from the support bracket.

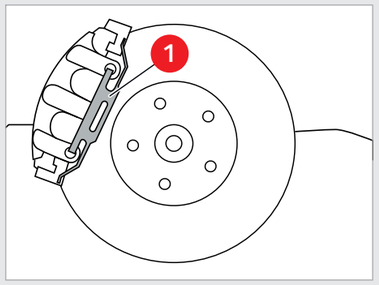
NOTE

Do not remove the brake hose, but attach the brake caliper to the vehicle without stretching the brake hoses. Do not bend or pull the brake hose to avoid damaging it.

ASSEMBLY PADS AND CALIPER

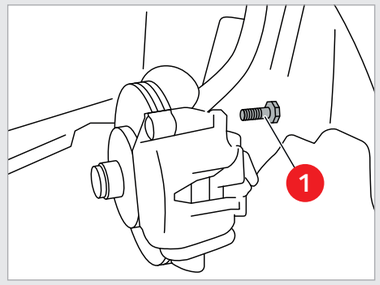
- To assemble, follow the disassembly process, but in reverse order.
- Check the level of brake fluid.
- Enable the SBC brake system using a diagnostic tool.

1



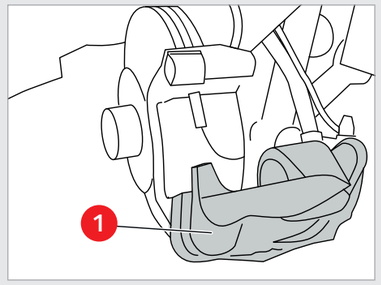
CLIP REMOVAL

2



GUIDE PIN SCREW REMOVAL

3



PAD REMOVAL

BRAKE DISCS

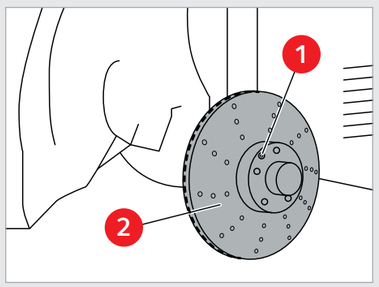
REMOVAL

- Remove brake pads and caliper using the instructions in this document.
- Remove the fixing screw (Picture 4, n°1).
- Remove the brake disc (Picture 4, n°2).

ASSEMBLY

- Clean the contact surface of the brake disc at the wheel hub and remove any corrosion. Unevenness on contact surface may result in distortion of brake disc.
- Mount the brake disc on the wheel hub.
  Pay attention to the arrow (Picture 5, n°1) that indicates the direction of rotation.
- Tighten the brake disc fixing screw to a torque of 10 Nm.
- Push the brake piston backwards with the retractor.
- Tighten the brake caliper guide pins (T45 Torx) to a torque of 27 Nm.
- Tighten the brake caliper guide pins (SW13 hex) to a torque of 40 Nm.
- To assemble the caliper and brake pads, follow the removal process in reverse order.
- Check the brake fluid level.
- Enable the SBC brake system using a diagnostic tool.

4



FIXING SCREW

5