



# Top quality of the brake master cylinder for the Kia Picanto from Herth+Buss

Know+How



**Problem: If the brake fluid reservoir gets dirty, the braking effect is reduced.**

The brake master cylinder is the pressure vessel between the brake fluid reservoir and the brake circuit for the wheel cylinders. During the braking process, the shifting of one or two cylinders generates pressure that continues all the way to the wheel cylinders. Two pressure chambers create two brake circuits working independently of each other. If dirt gets into the brake fluid reservoir while driving, it contaminates the brake fluid and the braking effect is reduced. This is noticeable, for example, through dragging of the brakes when the brake pedal is not being actuated. At worst, the contamination can block the brake cables and cause the braking to fail completely in one brake circuit.



Brake master cylinder  
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**Cause: Leaky cap on the brake fluid reservoir**

In this specific case, the brake fluid reservoir was closed with a cap that did not seal the reservoir 100%. After a while, dirt was able to get in and trigger the problems mentioned.



**Solution: Change the cap, clean the brake fluid reservoir and replace the brake master cylinder**

The cap sealing problem mentioned affects the petrol models of the Kia Picanto with construction date 01/12/2005 to 30/10/2006. The brake system is a vehicle safety component. Any work on it should always be performed by a specialist workshop. What work is carried out?

- Wash out/clean the brake fluid reservoir thoroughly to prevent further damage to the brake system.
- If the brake fluid reservoir is very dirty, for safety reasons the brake master cylinder should also be replaced. We have these in our Jakoparts range.
- Once this has been carried out, the brake system must be bled.
- Finally, the new cap is fitted on the brake fluid reservoir.