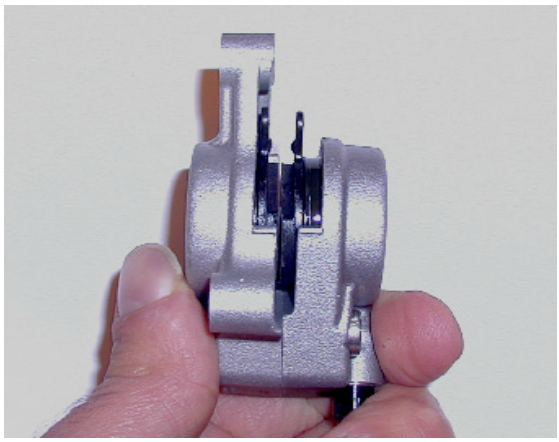
Tech-Tip 02/2002

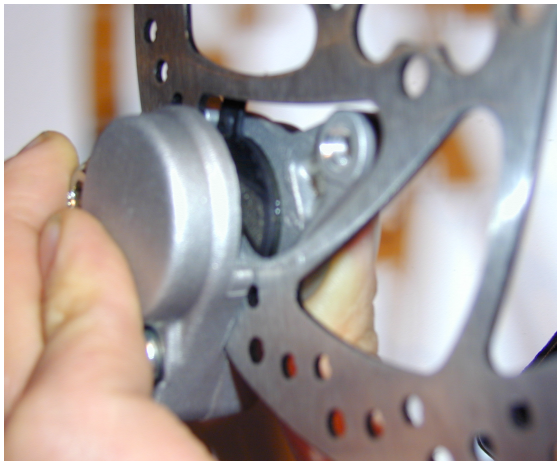
Insufficient or sticky piston retraction on 2-piston calipers with automatic pad adjustment. (**Julie, Clara 2001 onwards, Louise 02 onwards, Louise FR, Marta**)

The seals of the caliper can eventually dry out causing a higher friction, increased retraction of the piston and an unsatisfactory pad wear adjustment.
Consequence:
One pad is pushed out farther than the other, the modulation of the brake gets spongy and the lever blade moves closer to the handlebar. This phenomenom is well known from suspension forks which need sometimes a "break-in period" for a consistent action.

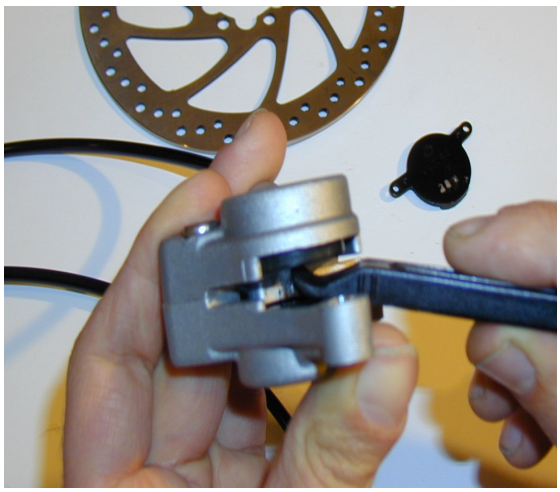


In such a case proceed as follows:

- Remove the cotter pin/fitting screw holding the brake pads.
- Take out the brake pad on the side with the sticky piston.
- Use the rotor in the caliper to hold back the non-sticky piston. Pump the lever blade and force the sticky piston to fully move towards the rotor (full piston stroke).



CAREFULLY push back the sticky piston with a a tire lever (as shown). Use the tire lever from several sides to assure the correct and equal retraction of the piston. Repeat process 2-3 times or until the seal on the sticky piston is fully lubricated and moving freely. At this point both pistons will be moved equally when the lever blade is activated.
ATTENTION!
The pistons are VERY FRAGILE!
Never use any other tool than a plastic tyre lever – any metal tool risks to damage totally the piston!



ATTENTION: NEVER grease the seals of the caliper!!

Bad Urach, 06. Feb. 2002