

TyrolSport Rigid Caliper System (RCS)

For

Audi A4/S4, Audi A5/S5, Audi A6/S6

Thank you for purchasing the TyrolSport RCS Kit for the B8 chassis. Please be sure to inspect the contents of your kit. If you have any question or concerns on your RCS kit please contact us at info@tyrolsport.com

Included in kit

4x bronze bushings
4x bronze bushing collets
4x Stainless Steel Circle clips
4x Stainless Steel Pins
1x Grease packet
1x Razor blade

Tools Required

17mm socket wrench or wheel lug wrench

13mm socket or wrench

1 small flat head screwdriver

1 medium flat head screwdriver

1 large flat head screwdriver

- 1) Remove front wheels using a 17mm socket and wrench or wheel lug wrench.



- 2) Next please remove the anti rattle clip. The best procedure is to pry the clip from between the pad and the clip with a flat head screwdriver. Please make sure to hold your hand over the clip so it does not shoot away. An S4 caliper is pictured. The S5 caliper is identical.



Pry outward on the clip to remove.





3) The above image shows the anti rattle clip removed.

- 4) Remove the electrical connector for the brake pad wear sensor. The simplest way to do this is insert a small flathead screwdriver into the rectangular portion and twist slightly. You can then pull it apart.



5) Remove the two 13mm bolts which hold the caliper to the carrier.



- 6) Remove the caliper and place it upside down on the rotor and carrier. Be careful not to kink and/or bend the brake lines.



- 7) Using a flat head screw driver you can now push the old stock brake pin out towards the back of the caliper.





- 8) Remove the rubber bushing using the same method as the pin. Be careful not to rip the boot, as these will be reused in your TyrolSport RCS kit. It also helps to pull on the other side while pushing through.





9) Next trim the old dust boot to fit the new TyrolSport RCS kit as shown in the pictures below. Please use the sharp razor included in the kit.



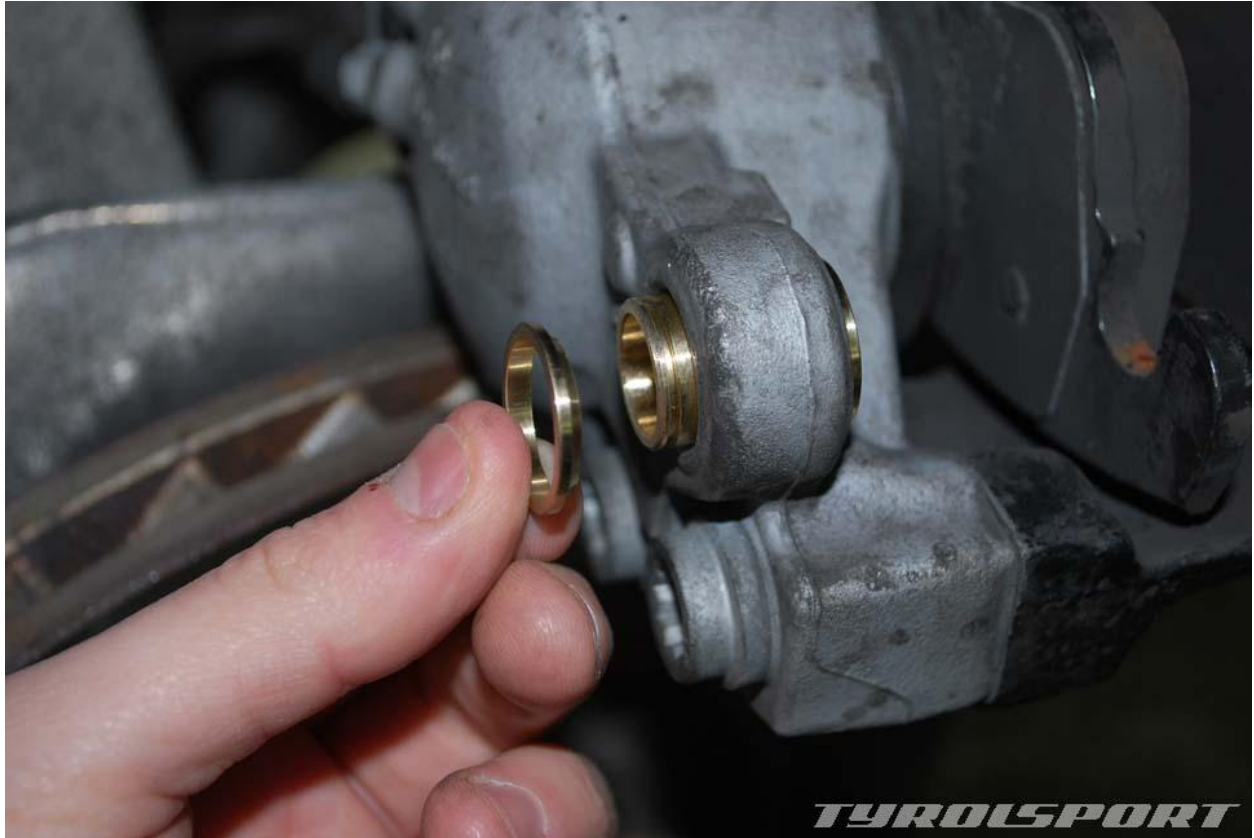




This is how the bushing should appear once you are finished trimming.

10) Install the Bronze bushings with the flange on the inside of the caliper. The bushing should slide in smoothly by hand. It should not require much, if any force. If there is enough resistance where the bushing cannot be inserted by hand, DO NOT attempt to force or hammer it in. Remove the bushing and use a light sandpaper to clean any accumulated dirt/ debris. Place the collets on the other side of the caliper with the conical shape facing in towards the caliper.





11) Install the circle clip to hold the assembly together. The easiest way to install these is to start on ring flange and work the ring around pressing it towards the caliper.





12) Now grease the new stainless steel pin with the supplied grease and install in the bushing.





13) We like to add a little extra grease before installing the dust boots.





14) Repeat procedure for each caliper bushing, and then re-install caliper.

15) Re-install caliper using the 13mm bolt. Please torque the bolts to 20ft/lbs.
When installing the caliper, please be certain not to cross-thread the bolts.
With the RCS kit installed, the tolerances are much tighter. So please be careful when threading the bolts.

16) Re-install the anti rattle clip on brake caliper. The best procedure is to place the anti rattle clip on the carrier and push towards the caliper and in to seat the clip properly.

17) Re-install wheel using 17mm socket and ratchet or wheel lug wrench.
Please torque wheels to 90ft/lbs.

Repeat this procedure for the other brake caliper assembly.

You have now finished installing the TyrolSport RCS kit. You will feel a firmer pedal and less slop during the first inch of travel. The brakes will engage sooner, and the pedal will have a more linear feel. If you have any issues, do not hesitate to contact us. info@TyrolSport.com

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