WebbTECH ADB Caliper Inspection: Water Damage

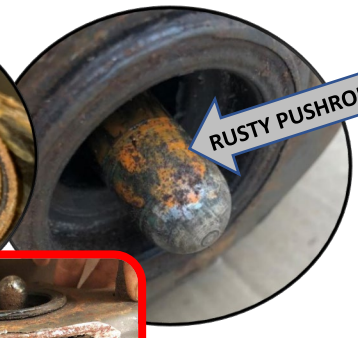


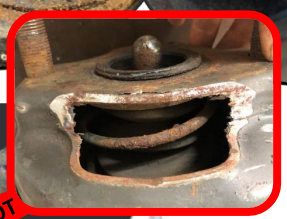
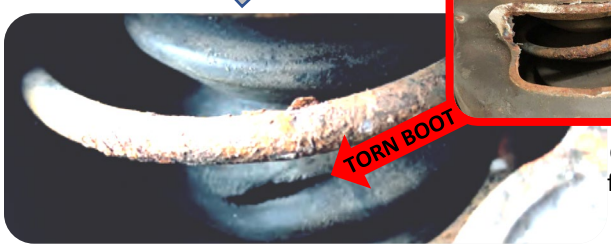

Water ingress to the ADB caliper will cause corrosion and prevent the caliper from functioning properly. When performing brake maintenance, look for signs of water intrusion and rusting within the caliper and brake chamber.

A few drops of water within the caliper can cause corrosion and lead to caliper failure.

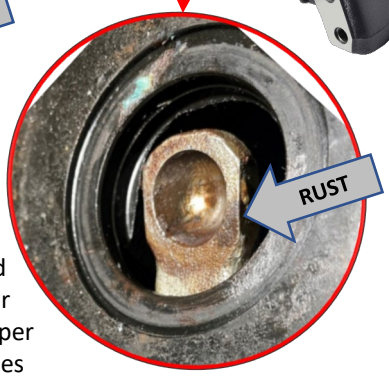
1

The most common water entrance point to an ADB caliper is the air chamber. When replacing an air chamber or caliper, look for signs of water ingress.

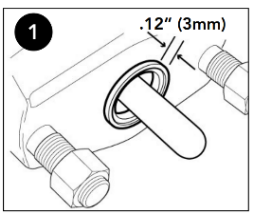



Damaged seals within an air chamber can allow moisture to enter the brake caliper.

Check the age and condition of the air chamber. A new caliper will not resolve issues caused by a failing air chamber. The air chamber's internal seals can fail, thus causing contaminates to enter the air chamber and caliper. If the air chamber's condition cannot be verified or is questionable, replace the air chamber when the ADB caliper is replaced.



The air chamber's face seal prevents contaminates from entering the caliper. Ensure this seal is not damaged and protrudes at least .12" from the chamber housing.

Improper chamber installation can allow contaminates to enter the caliper

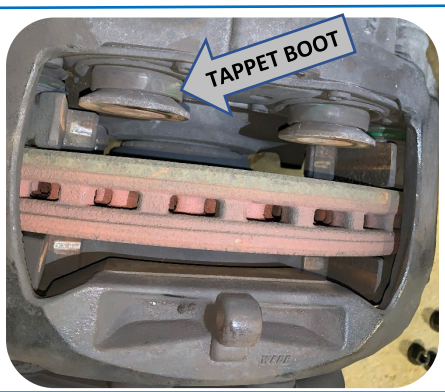
Contamination Entrance Point

Tighten the air chamber's installation nuts in an alternating sequence so the chamber mates flush to the caliper.

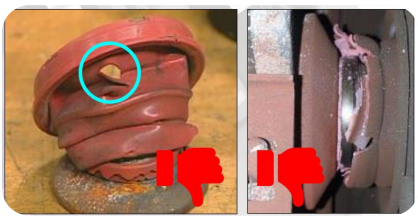
If any sign of water or rust is present, replace both the air chamber and caliper.

2

Examine the caliper's chain cover for cracks or damage and replace as required. Replace the caliper if water has caused rusting on the internal components.



Inspect tappet boots for tears or heat damage that could allow moisture to enter the brake caliper and replace as required.



For complete installation instructions and ADB caliper maintenance tips, visit www.WebbADB.com