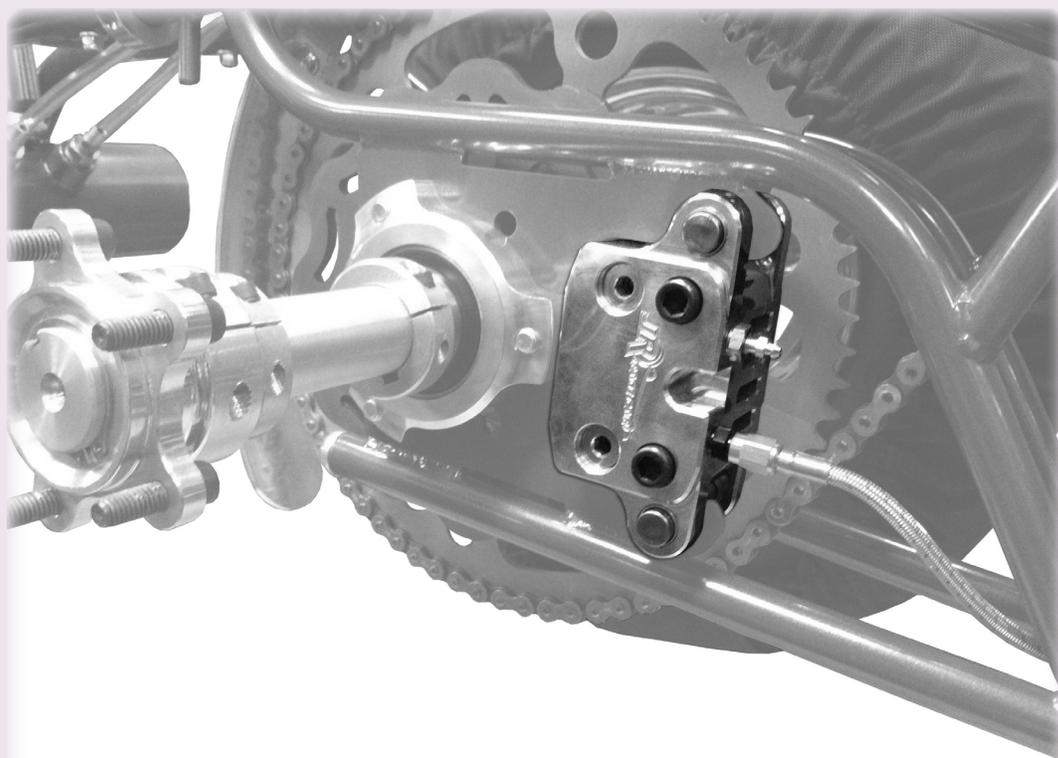




*Technical
Support*

Hercules Brake Caliper Installation Guide



TOOLS NEEDED



1/2" Combination Wrench



5/8" Combination Wrench



Set of Hex Wrenches
(Specifically 1/8, 5/32, 3/16 and 1/4")



6" Dial Calipers



5/8" .058" Wall Tube 2' Long



Brass Drift Punch



Hammer



Disassemble the Brake Caliper using the 5/16" Hex Wrench to remove the pins from inside the caliper.



Pins



Anvil Side



Piston Side



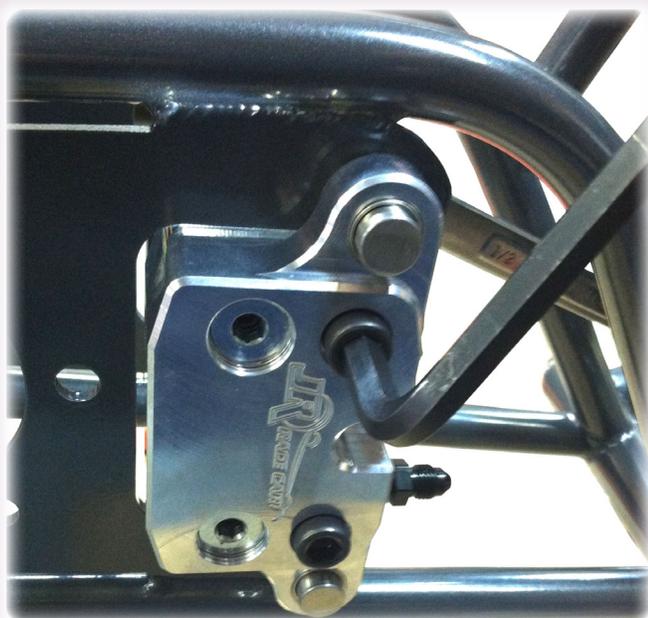
With the Caliper disassembled take the pins and install them loosely on the chassis with a little bit of medium strength thread lock on the threaded part of the pins. Using the 5/8" and 1/2" wrenches tighten the lower pin and leave the upper pin slightly looser than hand tight.



Now with the upper pin loose slide the piston side of the caliper on to the pins. Then take the 1/2" Wrench and place the box end of the wrench over the 12 point nut as shown in the picture on the left.



Then install the anvil side of the caliper on top of the wrench enclosing the wrench in the assembly as shown on the right.



Then using the 5/16" Hex Wrench tighten the piston side of the caliper to the anvil side of the caliper. Once the caliper is tight, take the 5/8" Wrench and the 1/2" Wrench that is enclosed in the caliper and tighten the upper pin. Disassemble the caliper and remove the 1/2" wrench.

Now that the pins are installed we need to make sure they are parallel and properly spaced. Using the dial caliper measure from the outside of the upper pin to the outside of the lower pin. The ideal measurement here is 4.500".

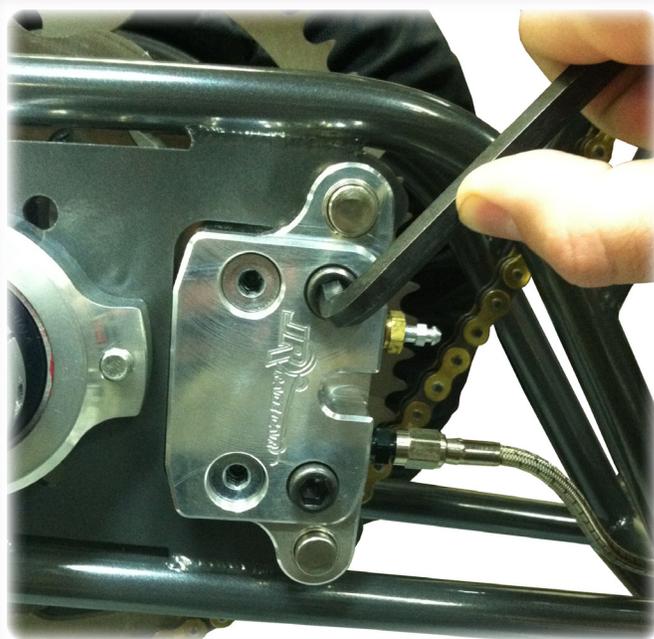


Measure the anvil side of the pins to ensure the pins are parallel. The ideal measurement here is 4.375". If your measurements do not match these, then you need to adjust the pins.



The first step of the adjustment process is getting the pins at the right spacing apart. This is best done by taking the 5/8" tube and prying lightly on up or down on the upper pin until the measurement for the anvil side is at the ideal and check the piston side measurement. If the measurement is small then you will need to use the hammer and drift punch to hammer one of the pins away from the other. If it is too large then you need to hammer one of the pins closer to the other and re-adjust with the 5/8" tube until you are done. Typically the upper pin is the most responsive to adjustment. The goal is to get both measurements to match the ideal. Once they are at the ideal measurement you can fine tune it with the 5/8" tube to get it as smooth as you can.





Once the pins are adjusted properly and the brake caliper slides smoothly with no resistance on the pins then you can complete the installation by bolting the caliper on to the chassis, slowly tightening each bolt until the bolts are completely tight. Verify once the caliper is bolted on that it still slides smoothly and freeley. Once this is done the caliper installation is complete.

