

## Q3 / HORNET DISC BRAKE MAINTENANCE

### Brake pad replacement

#### Tools & Parts required:

- Allen wrench 2, 3, 5mm
- “Minus” screw driver
- Brake pads & Return spring
- Plastic spacer



Periodically check the brake pads for wear. When thickness of the pad is less than 0.5mm, the pads must be replaced with new ones for continuous safe braking.

Step1. Remove the caliper from the front fork or dropout, leaving the adapter on the fork/frame.

Step2. Insert a “minus screw driver” into the gap of brake pads, and then push the brake pads back to the bottom. Side-push the old pad A (or B) and pull it out, repeat again to remove the other pad. Pull the return spring out and clean pad recess of caliper. [Photo 1]



#### NOTE

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If it is not easy to pull brake pads out, using mini screw drive to push the clip-side of pads to the middle gap of caliper and then push them out.

Step3. Pre-assemble new pads and return spring [Photo 2].

Step4. Insert into the pad recess of caliper together. [Photo3] Side-push the new pad A (or B) and push it in, repeat again to set the other pad. If it is hard to push new pads in, use a “flat screw driver” push the clip-side of pad to the middle gap of caliper and push pad in. [Photo 4]

#### NOTE

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To make sure the brake pads are well reset, you can push the brake pad ears back and forth.

Step 5. Install the plastic spacer or rotor, and then depress the brake lever several times to let the pads all move to the original place.

Step 6. Reinstall caliper to the adapter per installation steps.

#### NOTE

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To keep no interference of the caliper and the rotor, leave bolt not tightly. Then depress the brake lever to let the caliper lock out the rotor, and tighten the bolts.

**NOTE****Note:**

1. Full hydraulic caliper DC-905 (Q3) has the function of automatically compensating for the pad wearing. Therefore, **you need to push the pistons back to their original positions before replacing the brake pads.**
2. When transporting the bike with wheels off, you **MUST** fit the plastic spacer between brake pads.
3. When you feel braking becoming softer or have abnormal noise, you have to stop riding and check the pad condition.
4. It is also normal that some unusual noise may occur on rainy days while the brake pad is wet. The unusual noise will vanish as the brake pads become dry again.
5. It's normal the new pads may slightly rubs with disc brake rotor. This situation will be vanished after about 10-30 times of braking.

**WARNING!!**

1. Never push the lever when the pads are not in place. If it does happen, use the mini screwdriver to push the pistons back to the bottom.
2. **Keep the brake pads away from oil or lubricant.** Oil or lubricant will seriously reduce the braking power, and **MUST** replace new pads.