

Installing the Front Disc Brake — Step-by-Step

“ Caliper centering is the step that stops the brake dragging — and the one most often rushed.

Applies to: D-series

<https://www.youtube.com/embed/K8ZhlgfK0hE?rel=0>

How to Install the Front Disc Brake on a CEMOTO Electric Dirt Bike | Step-by-Step Guide — if the player does not load, [open the video on YouTube](#).

What you need

Tool	Notes
Hex keys	Caliper and lever mounting bolts
Torque wrench	Caliper bolts are safety-critical — see Torque Reference
Clean rag and isopropyl alcohol	Never let brake fluid or oil touch the disc or pads

“ ⚠ **Never squeeze the brake lever with the caliper removed and the disc out.** It pushes the pistons out and you will have to reset them.

Steps

1. **Fit the disc to the wheel** if it is not already mounted, and check it runs true.

2. **Mount the caliper** with its bolts **just snug** — loose enough that the caliper can still slide side to side.
 3. **Squeeze and hold the brake lever.** This lets the caliper self-center on the disc.
 4. **With the lever still held, tighten the caliper bolts** to specification. This is the step that prevents a dragging brake.
 5. **Release the lever and spin the wheel.** The disc should run through the caliper with only a light, even contact — and no scraping in one spot.
 6. **Fit the lever** and set its reach and angle so it is comfortable and fully returns.
 7. **Check the brake cut-off:** with the bike powered, squeeze the lever and confirm the motor stops. If not, see [E02](#).
 8. **Bed the pads in** with a few gentle stops from moderate speed before hard use.
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Watch out for

- **Tightening the caliper before centering it** — the single cause of a brake that drags.
 - **Getting oil on the disc or pads.** Contamination is permanent — pads must be replaced, not cleaned.
 - **A lever that does not return fully.** It holds the brake on and triggers E02. Check the pivot and clearance.
 - **Not testing the cut-off.** The interlock is a safety feature, not a formality.
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Related

- [Brakes — symptom diagnostics](#)
 - [Brake Error E02](#)
 - [Torque Reference](#)
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