

Brake Error E02 — Check These Before Replacing Parts

“ E02 is a signal fault, not a brake fault. The lever not returning fully is the usual cause — and it costs nothing to fix.

Applies to: D-series · **Error code:** E02

<https://www.youtube.com/embed/NeYAO3HXLfQ?rel=0>

CEMOTO E02 ERROR? Check THESE Before Replacing Parts! — if the player does not load, [open the video on YouTube](#).

What E02 means

E02 = Brake Error. The controller monitors the brake circuit and raises E02 when it sees a signal state it does not expect.

The brake circuit does two jobs: **operates the brake**, and **cuts motor power when the lever is applied** (a safety interlock). E02 relates to the **electrical signal**, not the hydraulic braking force. A bike can have working brakes and still show E02.

“ ⚠ **Do not dismiss it as "just electrical"**. If the lever does not cut motor power, the interlock is not protecting you.

E02 is not a diagnosis of worn pads, low fluid, a warped disc or air in the line — those cause poor braking, not E02. See [Brakes](#).

Check in this order

1. **Does the lever return fully?** *The most common cause by far.* Squeeze and release slowly. Any gap means the switch may be held on. Check for grit in the pivot, a bent lever, or a grip/handguard fouling it. Clean and lubricate, then retest.
2. **Inspect the brake switch and its connector.** Look for backed-out pins, corrosion, heat discoloration or a pinched lead where it leaves the lever. Disconnect and reseat — pull the connector body, not the wire.
3. **Test each lever separately.** Squeeze front only, then rear only, and note which one triggers the error. That isolates the fault to one circuit.
4. **Trace the wiring** from the levers to the controller. Turn the bars lock to lock while watching for a lead that pulls taut or chafes.
5. **Check the controller's brake input pin** and reseat the main connector. If E09 or E10 appear alongside E02, suspect the controller.
6. **Consider conditions.** Water in a connector, mud around the lever, ice in the pivot, or a crash can all trigger E02.

Decision guide

Finding	Action
Lever does not return fully	Clean or lubricate; replace the lever if bent
Connector corroded or loose	Clean and reseat; replace if pins are damaged
Lead chafed through	Repair or replace the lead
Error only in wet conditions	Dry and treat the connectors
Persists with the brake circuit disconnected	Suspect the controller — see E09

After the fix

Power cycle, then **test the cut-off**: with the bike powered, squeeze each lever and confirm the motor stops. If the error returns immediately you have not found the cause — do not ride with a known brake interlock fault.

Related

- [Brakes — symptom diagnostics](#)
- [Controller Error E09](#)
- [Front Disc Brake Installation](#)
- [Display & Error Codes](#)
- [Tutorials Index](#)

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