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## COOBER KOVE 450 QUICKSHIFTER – Calibration Guide

**⚠ Important:** Ensure the bike is securely balanced—ideally with the rider seated and the left foot on the gear shifter. Transmission **must be in neutral**.

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### Self Learning (SL) Operation – Step-by-Step

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#### Step 1: Ignition Key OFF

Turn the bike's ignition **completely OFF**.

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#### Step 2: SL Coupler Disconnected (Open)

Ensure the **Self Learning Coupler is open** (disconnected).



**Step 3: Ignition Key ON**

Turn the ignition **ON**, but **do not start the engine**.

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**Step 4: Wait 10 Seconds**

Allow the system to initialize.

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**Step 5: Connect SL Coupler (Closed)**

Now connect the **SL coupler together** (close the loop).



**Step 5a: Wait 5 Seconds Again**

Give the system another moment to register.

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**Step 6: Perform 10–15 Up-Shifts**

- Shift UP 15 times on the gear lever (no need for clutch)
  - Apply **normal force** to the gear lever
  - **Only up-shift!!!!**      **NEVER SHIFT DOWN ON CALIBRATION**
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**⚠ Step 7: Do NOT Down-Shift!**

Down-shifting will invalidate the calibration.

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**Step 8: Disconnect SL Coupler (Open Loop Again)**

After the UP shifts, unplug the SL coupler.



**Step 9: Wait 5 Seconds**

Give the system a final moment to register disconnection.

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**Step 10: Turn OFF Ignition**

The Quickshifter now stores the learned settings to internal memory.

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**Step 10a: Store SL Coupler**

Securely **place the SL coupler (open loop) near the battery** for future use.

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**Step 11: Complete your Bike for a ride**

Completely shut off the ignition.

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**Step 12: Wait 5 Seconds**

Final wait before first ride.

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**Step 13: Start the Bike and Ride!**

Quickshifter is now calibrated and ready for action. Enjoy!

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