

2022+ Cadillac CT4-V Blackwing JB4 BCM Install Guide Supplement

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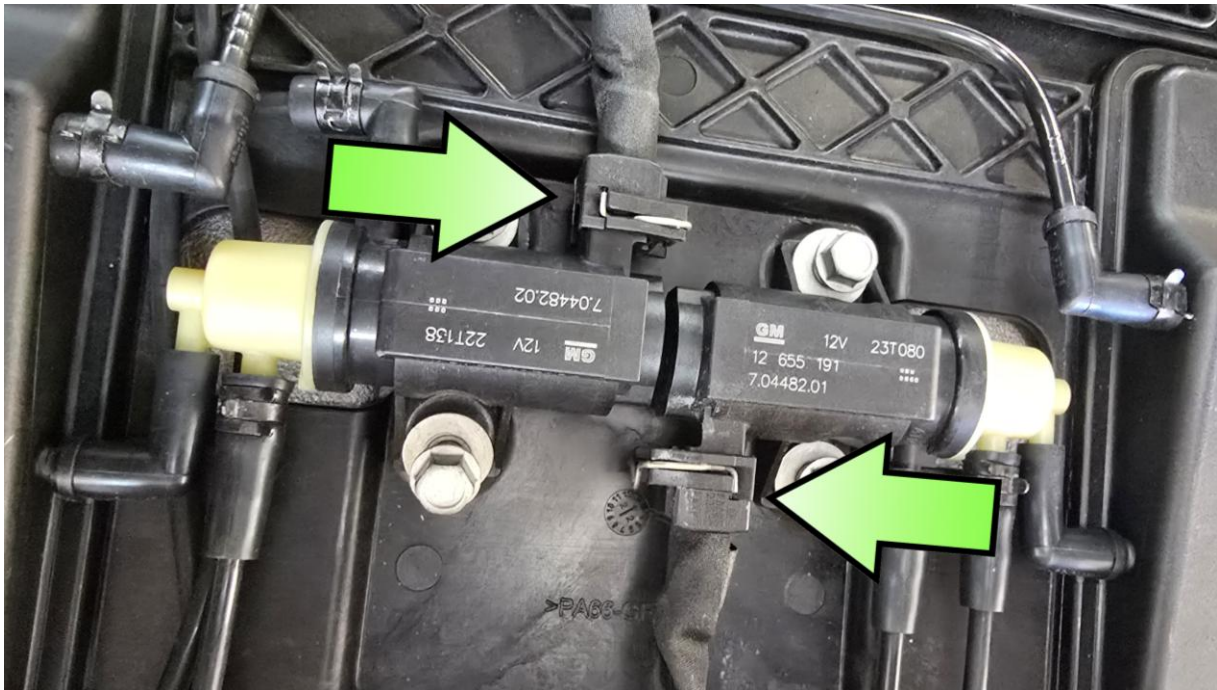
Before starting installation, open the hood, lock the doors, and place the key at least 20 feet away from the vehicle. Wait 10 minutes for the vehicle to go to sleep.

The BCM installs by connecting to two pneumatic solenoids under the hood. At each connection, you will be disconnecting the factory wiring connector, then connecting the BCM wiring directly to the solenoid. Then connect the factory wiring to the other side of the BCM connector pair, completing the loop.

Remove the plastic engine cover by unscrewing the T30 screw on the left and opening the oil cap. Once the engine cover is removed, put the oil cap back on to prevent from anything falling into the engine.



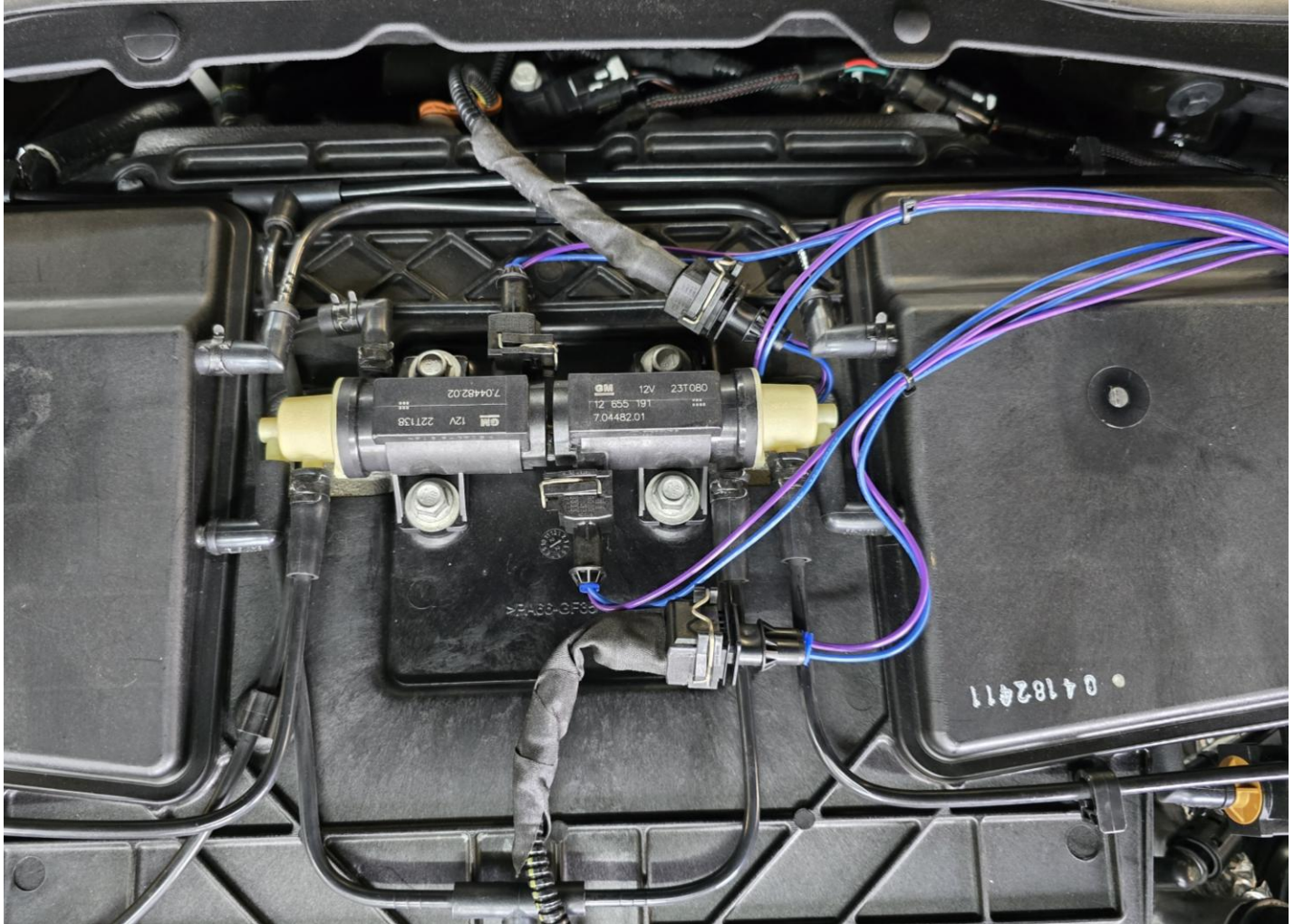
Locate the solenoids at the top of the engine. Note the connection locations for each solenoid.



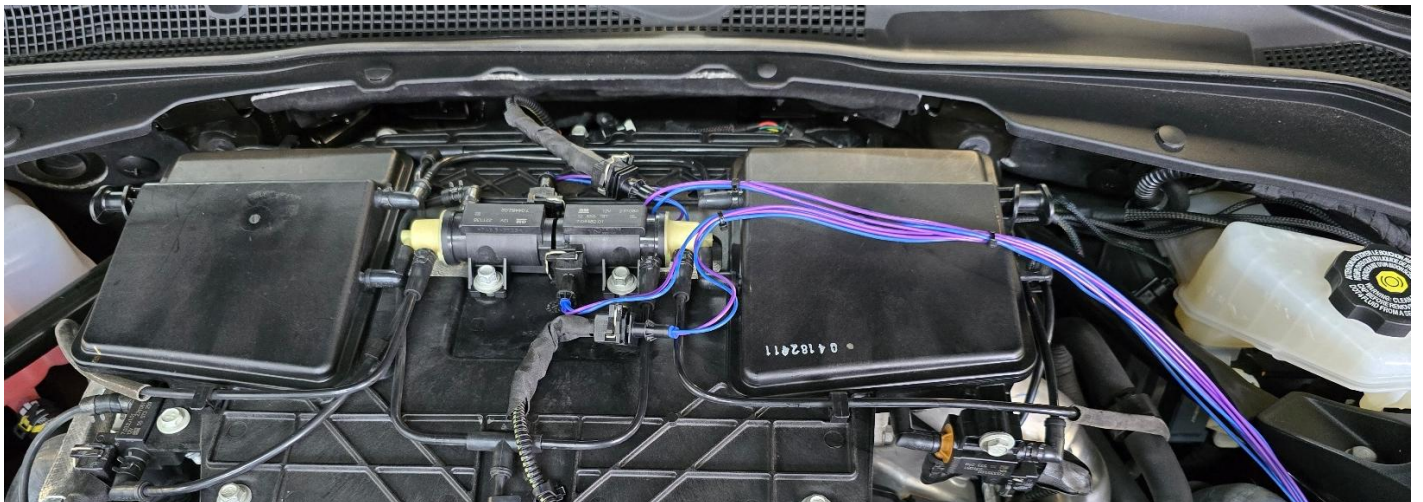
Working with one side at a time, disconnect the wire connector by pressing the metal spring tab:



The BCM wire pairs are separated by a zip tie. Connect one of the BCM wire pairs at this location, by connecting the BCM spring clip to the solenoid and the factory spring clip to the other side of the BCM wire pair. Repeat with the second solenoid.



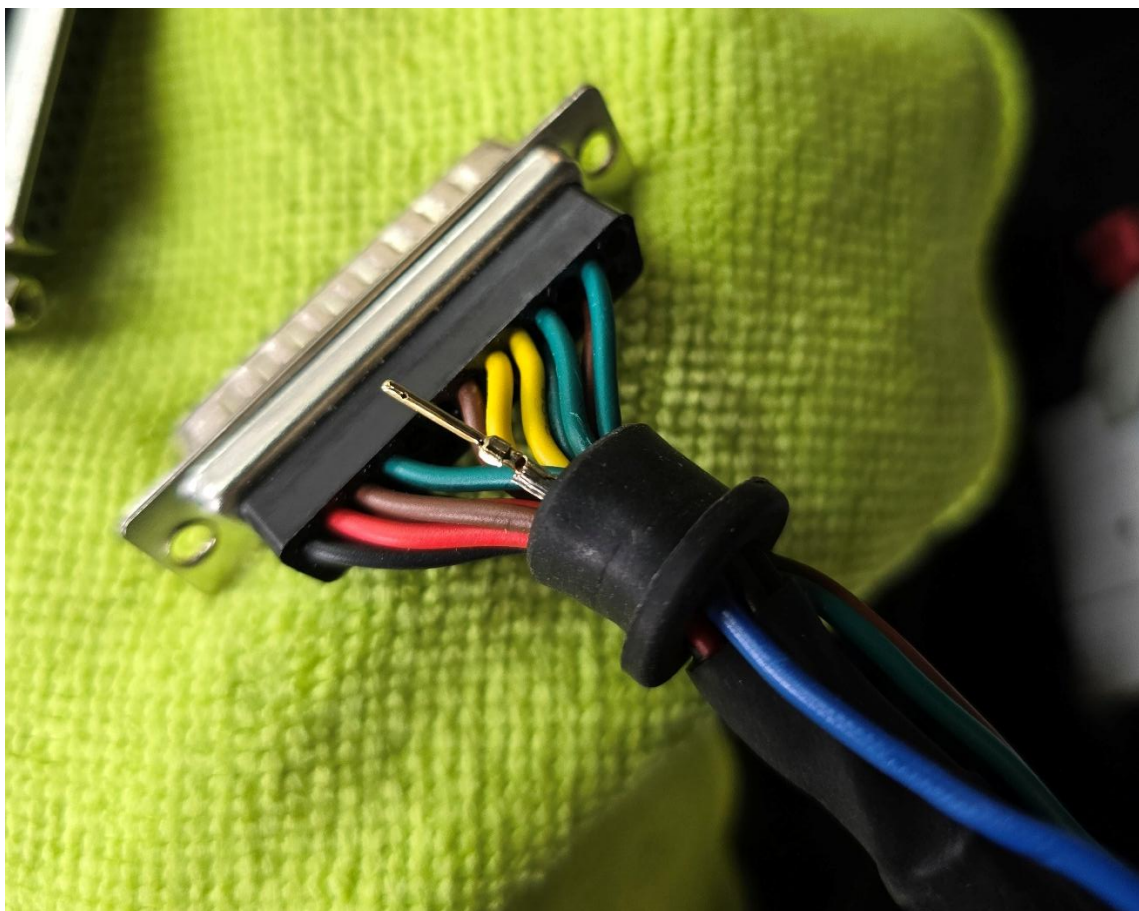
Route the wires along the top toward the front driver's side of the vehicle as shown.



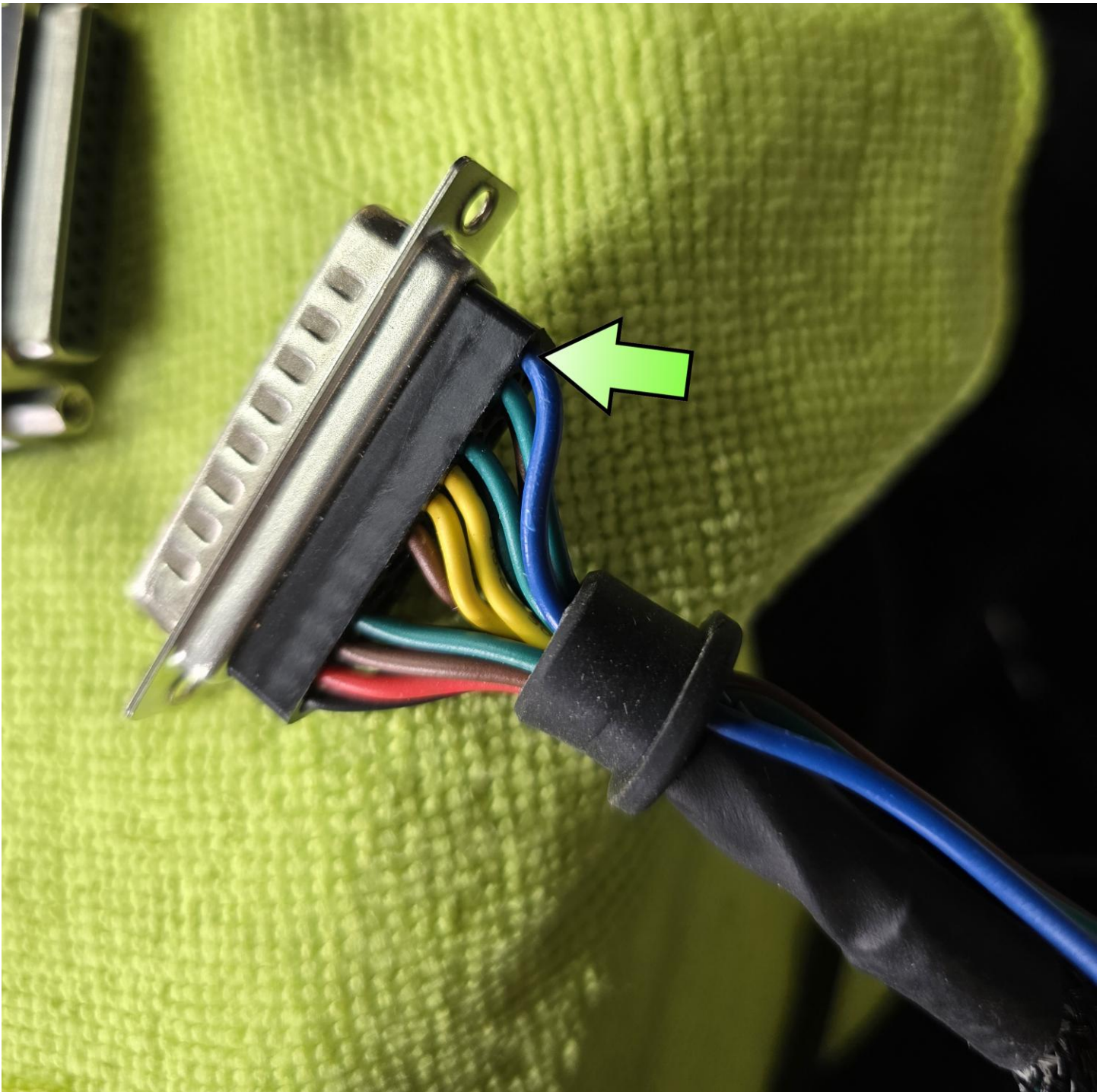
Remove the oil cap and you can now replace the engine cover and reinstall the fastener and oil cap. Route the BCM toward the JB4 enclosure. Open the enclosure using a 2.5mm hex key to loosen the four fasteners and place the JB4's circuit board on a safe surface.



Detach the circuit board from the wire harness by loosening the two small Philips screws being careful not to drop them. Insert the BCM blue wire through the rubber grommet as shown, being careful not to bend or break the gold dsub pin.



Insert the gold pin into slot 1 of the 25-pin connector as shown.

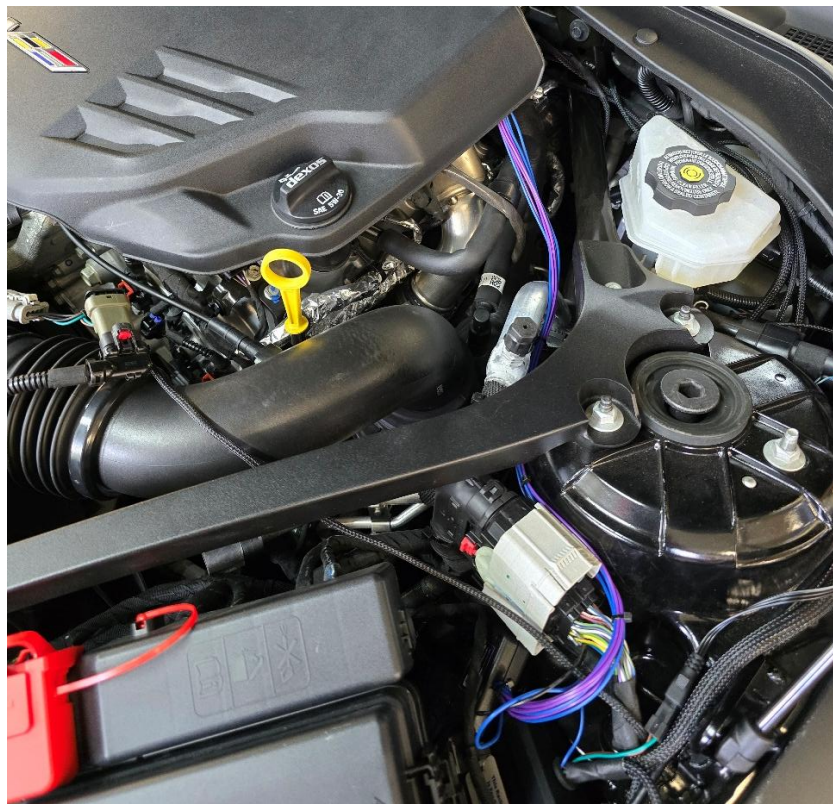


Reconnect the JB4 wire harness to the circuit board using the Philips screws, and carefully place it back into the JB4 enclosure, making sure that the circuit board is aligned so that the two halves of the enclosure are flat and touching before tightening the enclosure fasteners to prevent damage to the circuit board.

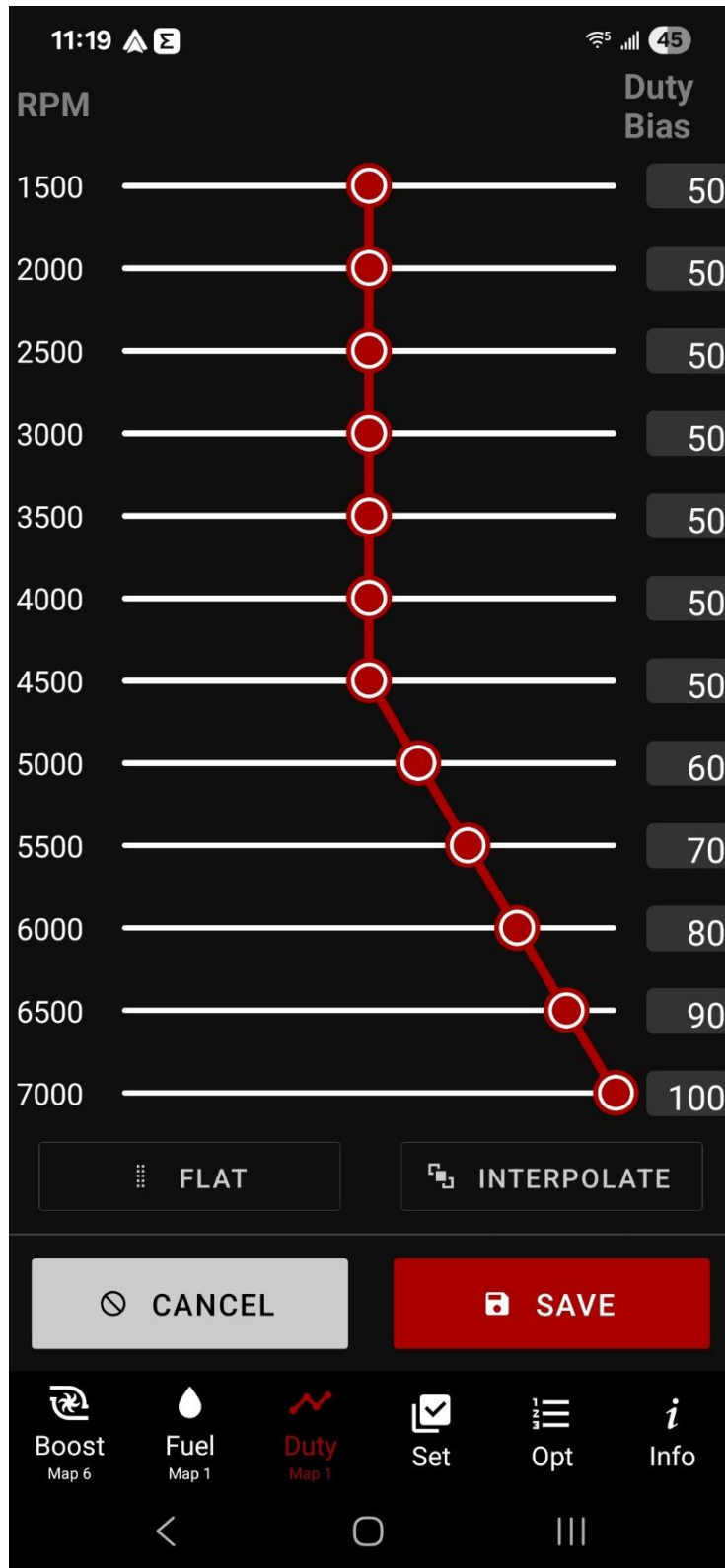
Route the black BCM ground wire to the ground point behind the headlight as shown, and use a 13mm wrench to loosen this bolt and insert the BCM ground fork underneath as shown:



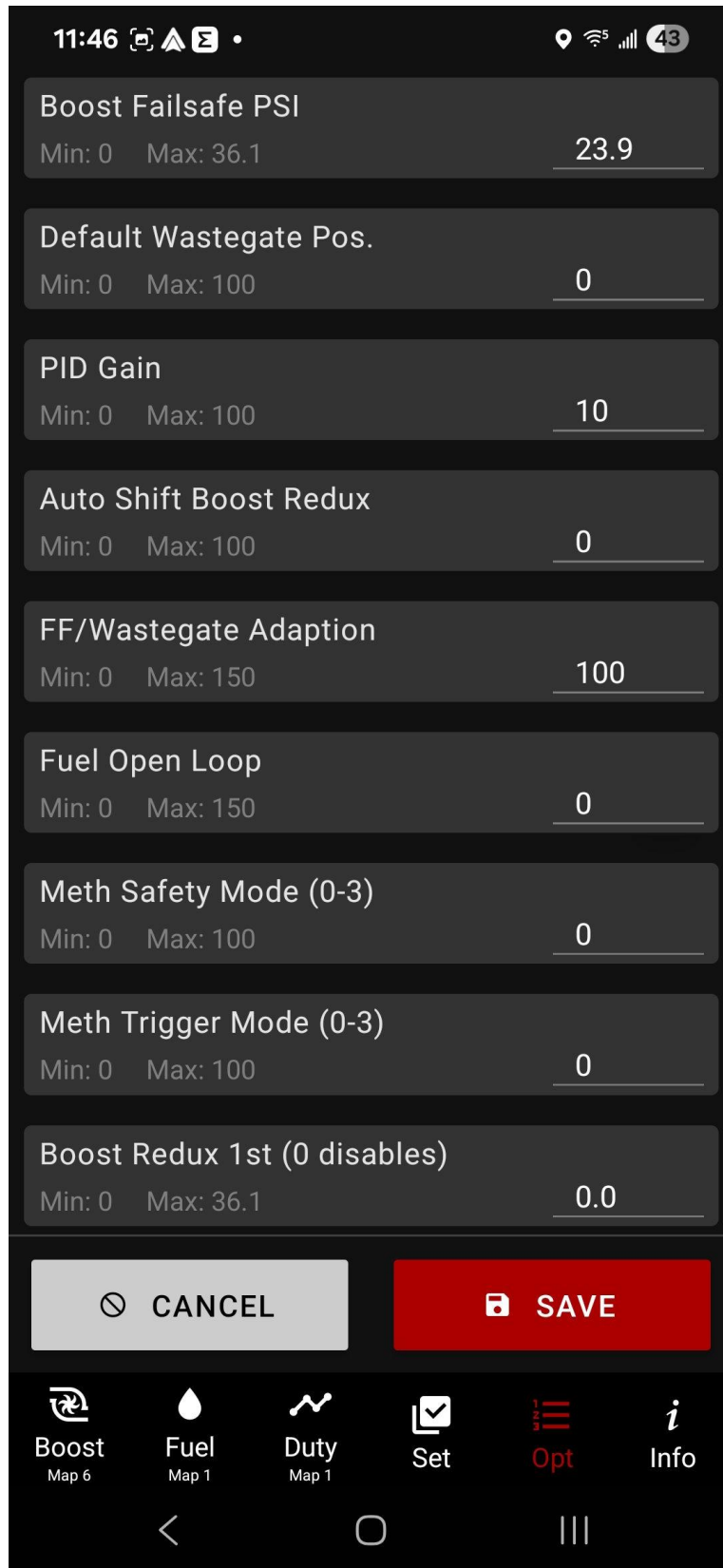
Finally, tuck the BCM and JB4 enclosure safely away. The physical install is complete.



Version 11 firmware or newer is required to use the BCM. In the JB4 mobile app, connect to your JB4 and go to Settings>Advanced>User Adjustment, then select the Duty tab. Please update your JB4's duty bias settings to match the below photo. Save the settings afterwards.



Move to the Opt tab. Set the FF/Wastegate Adaption to 100. Save the settings.



The installation is complete!