

2022+ Toyota GR Corolla/Yaris JB4 BCM Install Guide

Last updated 7/11/2025

Use subject to terms and conditions posted at <https://burgertuning.com/pages/terms>

THIS PART IS LEGAL FOR USE ONLY IN COMPETITION RACING VEHICLES AS DEFINED UNDER CALIFORNIA LAW AND IS NOT LEGAL FOR USE IN ANY OTHER MOTOR VEHICLE. California law defines a "racing vehicle" as "a competition vehicle not used on public highways." (Calif. Health & Safety Code 39048) This part may only be used on competition racing vehicles operated exclusively on a closed course in conjunction with a sanctioned racing event. Competition-only motor vehicles may not be driven to a racing event on a public highway and must be transported on a trailer or other carrier. USE OF THIS PART IN ANY OTHER VEHICLE MAY SUBJECT YOU TO FINES AND PENALTIES FOR VIOLATION OF FEDERAL AND/OR STATE LAW, WILL VOID YOUR WARRANTY FROM BURGER MOTORSPORTS, INC, AND CAN VOID YOUR VEHICLE'S WARRANTY. It is your responsibility to comply with all applicable federal and state laws relating to the use of this part, and Burger Motorsports, INC hereby disclaims any liability resulting from the failure to use this part in compliance with all applicable federal and state laws.



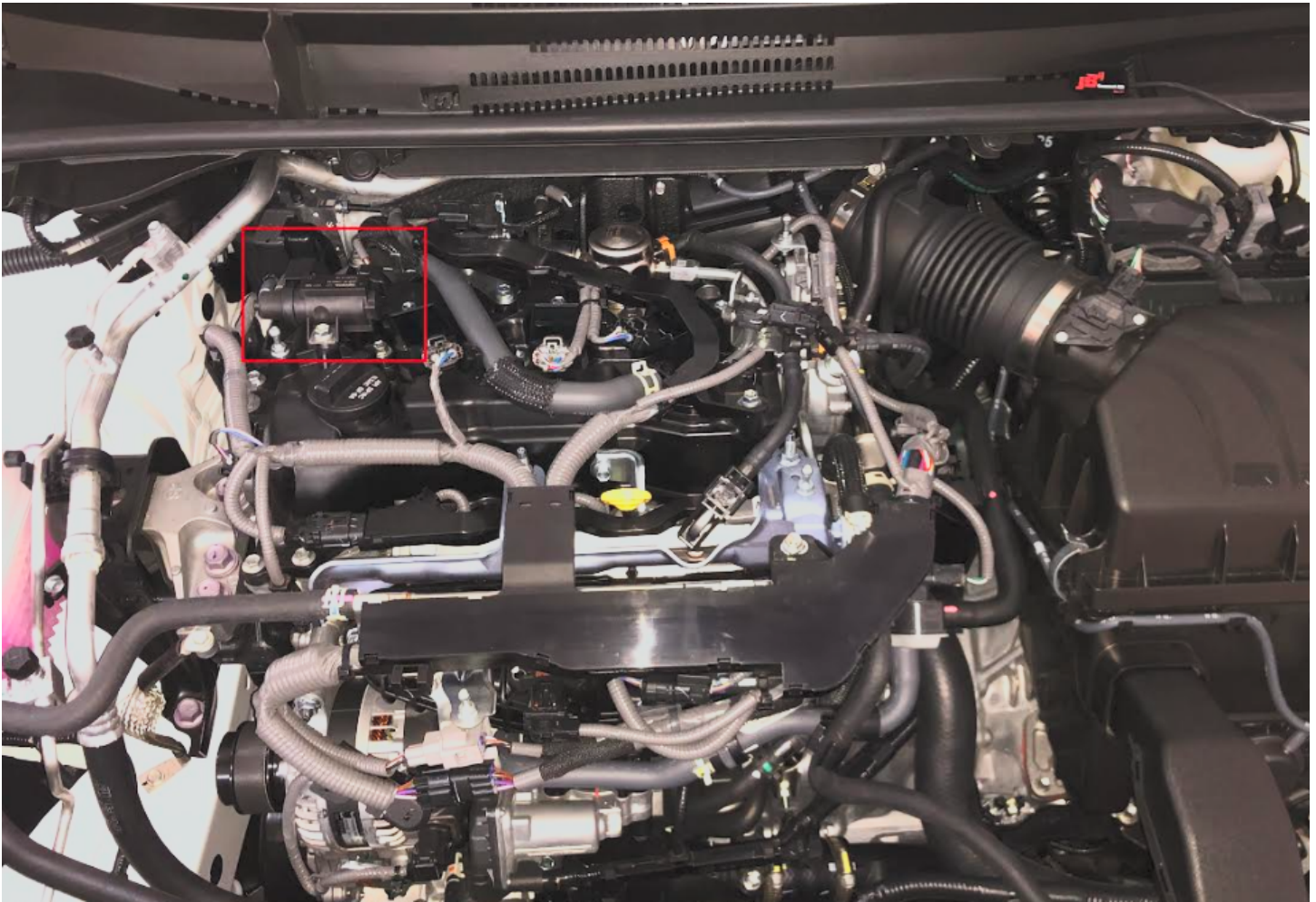
Before starting installation, open the hood, lock the doors, and place the key at least 20 feet away from the vehicle. Wait 10 minutes for the vehicle to go to sleep.

The BCM installs by connecting to a pneumatic solenoid under the hood. At this 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.



Locate the solenoid at the top of the engine.



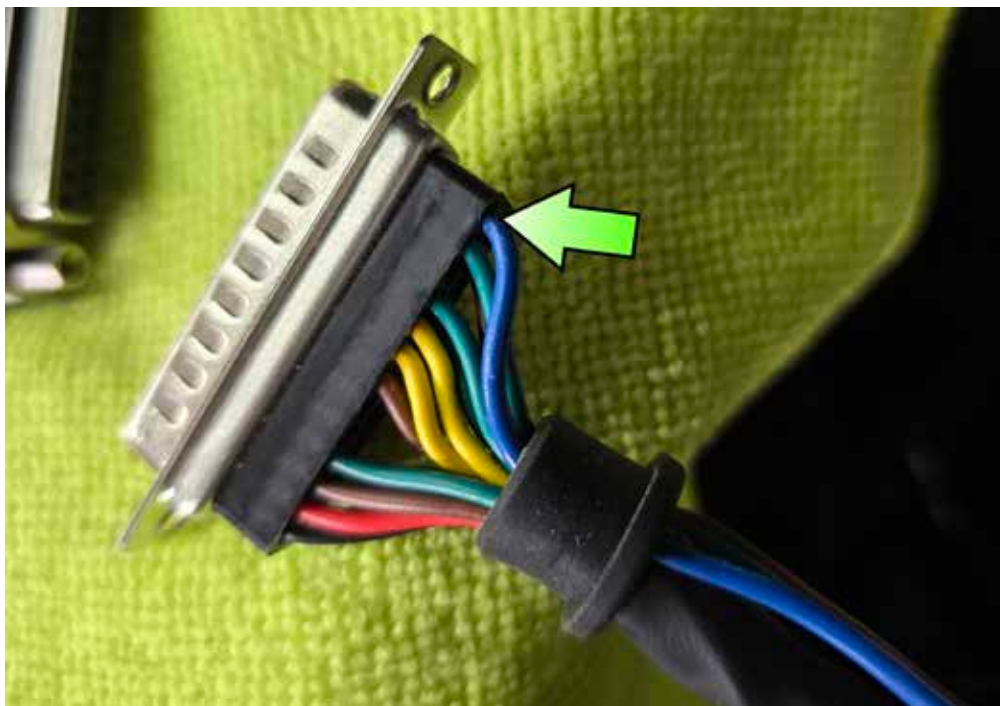
Connect the BCM harness connections at this location. Open the enclosure using a 2.5mm hex key to loosen the four fasteners and place the JB4's circuit board on a safe surface.



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 as shown, and use a 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.

⚠ ATTENTION: The BCM requires JB4 v6 or newer firmware, be sure to update before operating the vehicle.

The BCM also requires some updated JB4 settings. In the JB4 mobile app, connect to your JB4 and go to **Settings>Advanced>User Adjustment**, then select the **Duty** tab. Update your JB4's duty bias settings all to 50. Move to the **Option** tab. Set the FF/Wastegate Adaptation to 50. Then save all settings.

Installation is complete!