

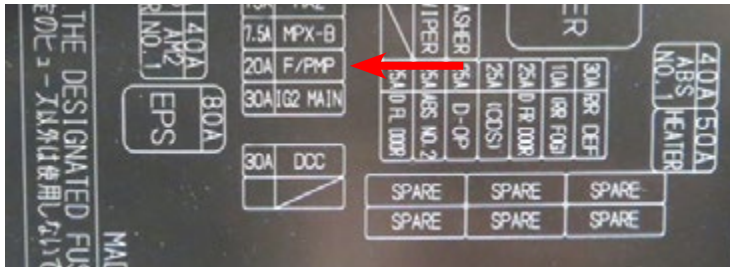


EDELBROCK BYPASS ACTUATOR For Subaru BRZ, Scion FR-S, Toyota GT86 Catalog #15001 INSTALLATION INSTRUCTIONS

WARNING: DO NOT CHECK ACTUATOR MOVEMENT BY HAND. THIS MAY DAMAGE THE DIAPHRAGM.

NOTE: Before starting the supercharger installation, it's highly recommended to remove any fuel pressure present within the fuel lines.

To do so, remove the 20A Fuel Pump (F/PMP) fuse from the fuse box and start the engine. Let the engine idle until it stalls. *NOTE: If the engine is cold, there may not be enough fuel pressure present to start the engine. If this is the case, continue with the removal of the fuel pump fuse regardless.*



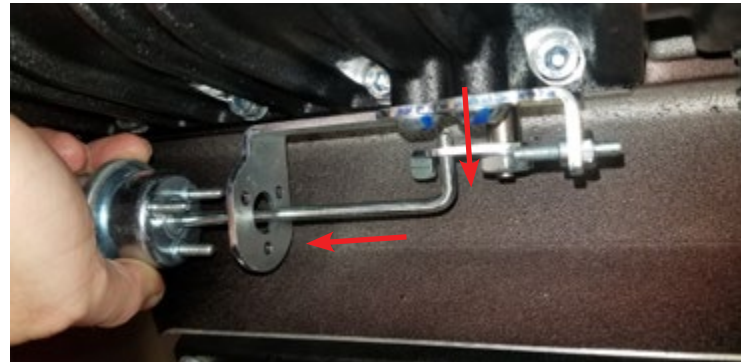
1. Using a 10mm socket, remove the negative battery terminal. Reinstall the 20A Fuel Pump Fuse.



2. Disconnect the fuel lines, coolant hoses, vacuum hoses, PCV hoses, and electrical connections from the supercharger. Remove the intake coupling and disengage the belt from the supercharger pulley.



3. Remove supercharger in reverse of the installation process.
4. Once supercharger is removed, place the unit on a workbench upside-down. Using a 11/32" wrench or socket, remove the (3) nuts holding the actuator to the bracket. Then, slide the rod out of the bypass lever and removed the actuator from the bracket.



5. Using a 5mm Allen wrench, remove the (2) screws attaching the actuator bracket to the supercharger.



6. Install the new actuator bracket using the supplied screws. **DO NOT FULLY TIGHTEN.** Slide the keyed actuator rod through the keyed hole in the bracket and insert the rod into the bypass lever. Be sure the lever is in-between the keys.





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7. Install the (2) M6 locknuts onto the actuator studs and tighten until secure.



8. Using a Manual Vacuum Pump, actuate until the bypass is in the **FULL OPEN** position. Adjust the bracket forward or backward until the bypass blade fully open in the bore. While in this position, tighten the (2) bolts attaching the bracket to the supercharger. Release the pump when done.



9. Thread the stop-screw through the bracket with the Allen keyway facing the front of the supercharger.

10. Thread the jam-nut onto the stop screw until it is close to the bracket but still loose. This will be tightened after the adjustment procedure is finished. (See image on Step 7)

11. Check the gap using a .002" (.051mm) feeler gauge as shown below. Using a 5/64" Allen wrench, adjust the bypass blade until the feeler gauge is snug but can still move freely. Once the adjustment has been made, tighten the jam nut with an 11/32" wrench. This will ensure the bypass is in the correct position when closed. If loose, too much air will blow by, causing little to no boost. If too tight, the blade may bind inside the bore.



12. Tighten the jam-nut while holding the stop screw with the Allen wrench in position. Recheck gap before continuing.

13. Replace bypass hose with the provided hose in this kit.

14. Once finished, reinstall the supercharger according to the instruction manual provided with the supercharger kit (Catalog# 1556, 15560) or visit:

[www.https://www.edelbrock.com/edelbrock-technical-resource-center](https://www.edelbrock.com/edelbrock-technical-resource-center)

If you have any questions, please call our Technical Support hotline at 800-416-8628 and one of our technicians will be happy to assist you.