



AAM Competition Q50/Q60 High Flow Intake Kit Installation Guide



INSTALLATION INSTRUCTIONS

(DESIGNED FOR ONLINE USE AND COLOR PRINTING)

*****WARNING: PRODUCT(S) ARE DESIGNED FOR OFF-ROAD / COMPETITION USE ONLY*****

Read all directions before attempting installation. This product requires above average mechanical ability to install properly, professional installation recommended. Installation requires appropriate tools for proper installation of this kit. As with all mechanical projects, take appropriate precautions for your personal safety and for the proper care and treatment of the vehicle being serviced. AAM Competition, LLC offers no warranty and accepts no liability caused by improper installation, modification and/or use of this product. Installation may void factory's manufacturer's warranty. Contact AAM Competition LLC or an authorized Dealer with questions or problems regarding this product. When removing Stock/OEM parts read and follow the factory service manual for proper procedures. *Copyright AAM Competition, LLC 2018*



Tools Needed:

- Trim pick removal tool
- 10mm, 8mm sockets
- 10mm wrench
- Ratchet
- Ratchet extensions
- 3mm, 4mm hex head wrenches
- Flat head screwdriver
- Phillips head screwdriver
- Pliers
- Flashlight (optional)

Included Parts:

Description	Quantity
Upper Intake Box Driver Side	1
Upper Intake Box Passenger Side	1
Lower Intake Box Driver Side	1
Lower Intake Box Passenger Side	1
MAF Housing Driver	1
MAF Housing Passenger	1
MAF Insert	2
Passenger Side Silicone Hose	1
Driver Side Silicone Hose	1
Button Plug	2
M6-1.00 x 10mm Button Head Bolts	4
M6-1.00 x 20mm Cap Screws	4
M6-1.00 Lock Nuts	4
SAE Size 52 SS Worm Drive Clamp, 2-13/16" to 3-3/4" Diameter	2
Air Filter	2

WARNING: USE OF POWER TOOLS DURING INSTALLATION MAY CAUSE DAMAGE. WE RECOMMEND THE USE OF HAND TOOLS ONLY DURING INSTALLATION.

Note: "Left Side" and "Right Side" of vehicle is from the perspective of sitting in the driver seat of the vehicle and looking forward

Installation

1. Disconnect the negative battery terminal with a 10mm wrench.

2. Remove the front plastic trim by prying up the push clips.

Right Side Intake Installation

3. Remove the two bolts holding the front of the OEM air box with a 10mm ratchet. For the bolt underneath the side trim, gently

and carefully lift the trim to make room for your ratchet. There is a slot for a wrench if you are not comfortable doing this.



4. Release the front of the air box from the car by pulling upwards to remove it from the rubber grommet underneath.
5. Unclip the front half of the OEM air box by pulling on the two metal tabs. Place the front half of the air box and the old air filter in a safe spot. They will not be reinstalled, but are still completely functional if desired.
6. Remove the rubber grommet and metal bracket the held the OEM air box in place. Place it with the filter and air box.



7. Disconnect the rear half of the air box from the metal clip underneath by using two screwdrivers to pry out the clamp, then lift the air box up. The image below shows the clamp already disconnected.



8. Unscrew the Mass Airflow (MAF) Sensor from the OEM air box using a Phillips head screwdriver, and shift it out of the way. **Note that the orientation of the MAF sensor is crucial, and points in the direction of airflow. The MAF sensor will only screw into the AAM Competition MAF Housing in the correct orientation.**



9. Remove the OEM turbo hose by unscrewing the pipe clamp on the bottom of the hose with an 8mm socket or flathead screwdriver. Then, use pliers to remove the PCV hose from the upper port.



- 10.** Disconnect the lower end of the PCV hose (See Step 9 image) from the OEM turbo hose and remove the plastic fitting. If your kit includes a fitting, use that instead of the OEM fitting for Step 11.
- 11.** Slip the OEM PCV hose fitting into the AAM Competition Turbo Hose and tighten with the OEM squeeze clamps. The PCV pipe will be reused for all right-side AAM Competition Turbo Hoses. Pipe clamps should also be reused.
- 12.** Assemble the proper AAM Competition Turbo Hose onto the proper AAM Competition MAF Housing. It is a tight fit. If needed,

place the MAF Housing in a freezer for 10 minutes to shrink it, then fit the Turbo Hose. The image below shows the proper orientation for both MAF housings. Remember to put pipe clamps around each fitting and tighten them before installation.

Passenger side

Driver Side



- 13.** Assemble the PCV hose and pipe clamps on the Turbo Hose (See Step 12 Image).
- 14.** Attach the small end of the Turbo Hose to the compressor inlet and tighten the pipe clamp
- 15.** Connect the PCV hose back onto the engine.
- 16.** Screw in the MAF sensor to the AAM Competition MAF Housing.



- 17.** Screw the lower half of the AAM Competition Intake Box onto the MAF Housing.



- 18.** Insert the AAM Competition MAF Insert into the MAF Housing, carefully sliding it so that the MAF sensor rests in the slot. The orientation is shown in the image below, outside of the car for clarity:

***Out of the box the MAF insert comes already inserted into the MAF housing. This setup is called the "S-Line (Street)" configuration and DOES NOT require any tuning. The insert can be removed for the "R-Line (Race)" configuration. With NO insert installed, tuning IS REQUIRED. Running the AAM**

cold air intake in the R-Line configuration without proper tuning may damage the engine.



- 19.** Secure the air filter to the AAM Competition MAF Housing through the bottom port with a flathead screwdriver.





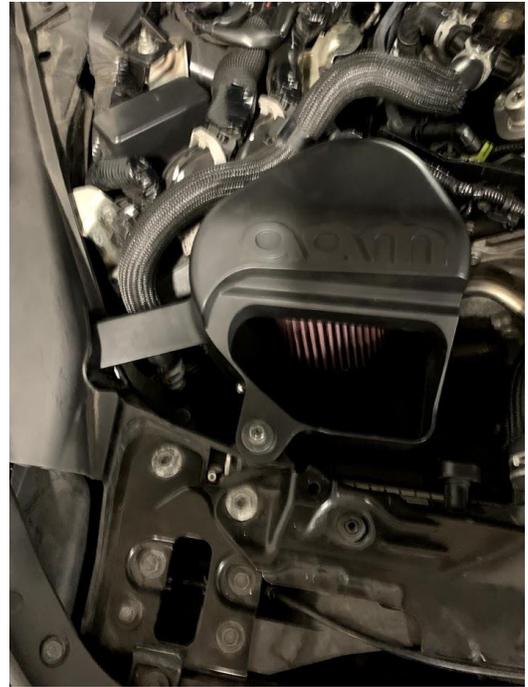
- 20.** Remove the sleeved rubber bushings from the OEM intake box and install them into the AAM Competition Intake Box by pushing the metal sleeve out, then removing the bushing and replacing it in the AAM Competition Intake Box.



- 21.** Place the top half of the AAM Competition Intake Box on top, and install the two side screws with a 3mm hex head wrench. One screw is in the front, one screw is in the back.



- 22.** Secure the Intake Box using the 10mm bolts from the OEM air box.



- 23.** Double check all connections, and repeat for the left side air box. **Note that the left side turbo intake hose does not have a PCV connection on it.** All other steps are the same.
- 24.** Once both intakes are installed, reconnect the battery, double check all connections are tight, and the installation is done! **Note that this kit requires a retune before use.**

WARNING:
***Running the AAM cold air intake in the R-Line configuration without proper tuning may damage the engine.**



Congratulations!
You have successfully installed your AAM Competition
Q50/Q60 High Flow Intake Kit! Enjoy!

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