AWE TUNING

PERFORMANCE ENGINEERING FOR EUROPEAN AUTOS



INSTALLATION GUIDE

2015+ F8x M3/M4

Carbon Fiber S-FLO Intake

FOR RACING USE ONLY

Congratulations on your purchase of the AWE Tuning Carbon Fiber S-FLO Intake for the 2015+ BMW F8x M3/M4.

Exquisite build quality and superior performance distinguishes this intake from all others.

Contact us with any installation questions.

215-658-1670
AWE-Tuning.com
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PARTS LIST

2 S-Flo Filter
2 Carbon fiber airbox
2 Carbon fiber lid
1 Carbon fiber tube
4 M4 allen head bolt
12 M5 button head bolt

Required Tools

10mm, 11mm, 13mm sockets
3mm hex bit
Flat head screwdriver
T20 torx bit

Step 1

Remove engine cover by pulling straight up on it until it releases.

Using a 10mm socket turn the ¼ turn quick releases, at arrows in **Figure 1**, to remove the plastic rain covers. Each cover also has an expanding rivet holding it to the fender, remove those as well.

Using a small flathead screw driver, remove expanding rivets holding the rubber gaskets over the strut towers, at **Arrows A** in **Figure 1**.

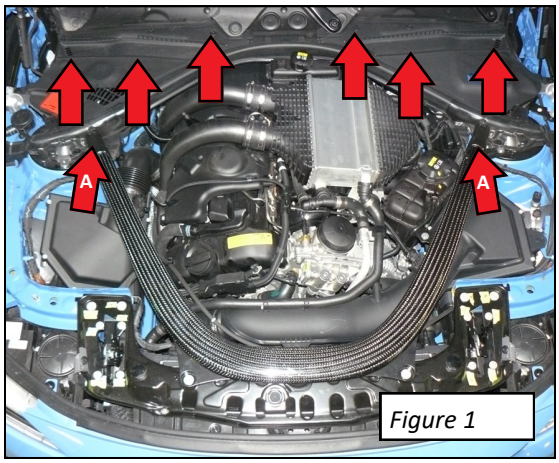


Figure 1

Step 2

Remove the 13mm bolts holding the carbon cross member to the strut bracing and radiator support, at **Arrows A** in **Figure 2**.

Remove the 11mm bolt holding the coolant reservoir to the carbon cross member, at **Arrow B** in **Figure 2**.

Carefully remove the carbon cross member and set aside.

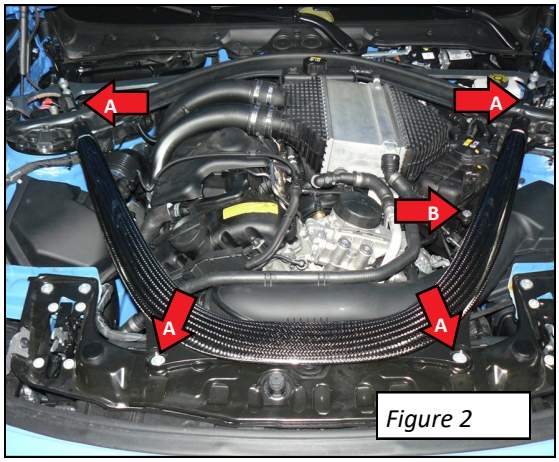


Figure 2

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Step 3

Using the T20 torx, unscrew the Mass Airflow Sensor (MAF) from each airbox, at arrows in **Figures 3** and **4**.

Unclip each MAF sensor from its wiring harness. Using the supplied M4 allen bolts screw them into the AWE Tuning airboxes.

Be careful not to over tighten as doing so could damage the carbon fiber material.

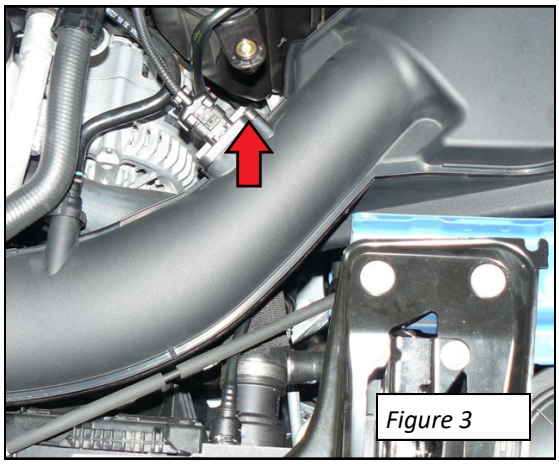


Figure 3

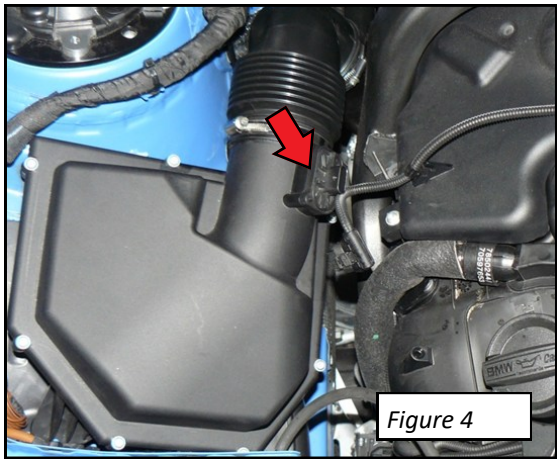


Figure 4

Step 4

Squeeze the sides of the plastic quick-connect, at arrow in Figure 5, to remove it from the driver side intake tube.

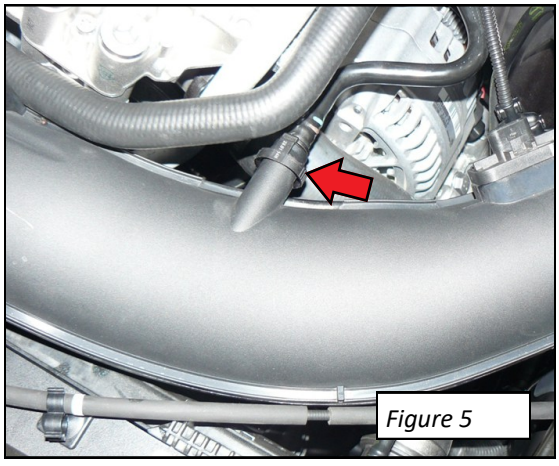


Figure 5

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Step 5

Using a flat blade screw driver, loosen the hose clamps holding the intake tubes to the airboxes, at arrows in **Figure 6**.

Unclip the driver side airbox from the mount holding it to the radiator support, at **Arrow A** in **Figure 6**.

Carefully pull straight up on each airbox until it comes free of the mounts and remove them from the engine bay.

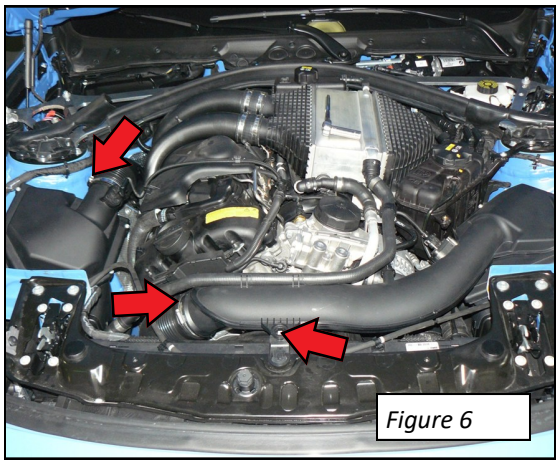


Figure 6

Step 6

Remove the 11mm bolt holding the coolant expansion tank bracket to the strut tower, at arrow in **Figure 7**.

Pull the coolant tank out of the rubber mount and move it aside.

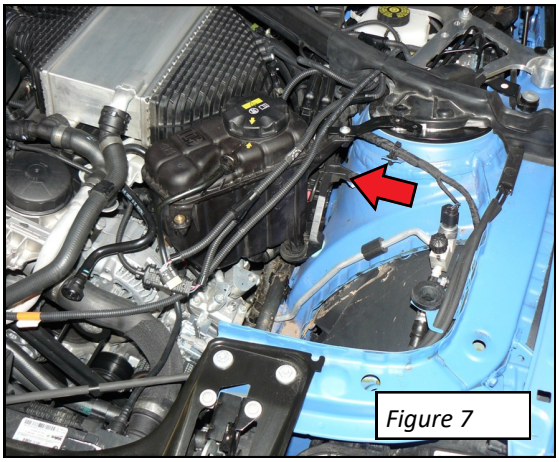


Figure 7

Step 7

Pre-assemble the AWE Tuning driver side carbon fiber airbox by fastening the carbon fiber tube to the airbox body using a 3mm hex tool and four supplied button head bolts.

Do not over-tighten bolts to prevent damage to the carbon fiber.

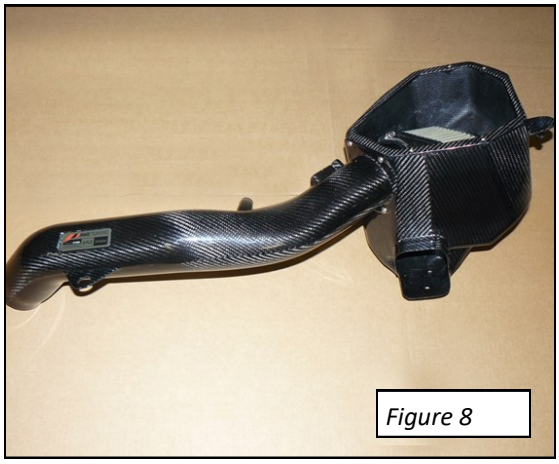
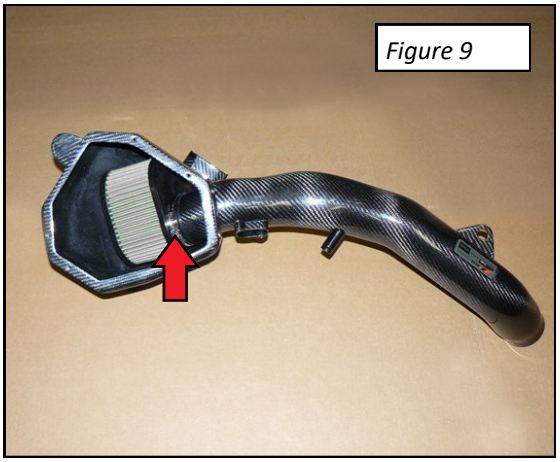


Figure 8

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Step 8

Install the air filter into the AWE Tuning driver side carbon fiber airbox and tighten down the hose clamp, at arrow in **Figure 9**.

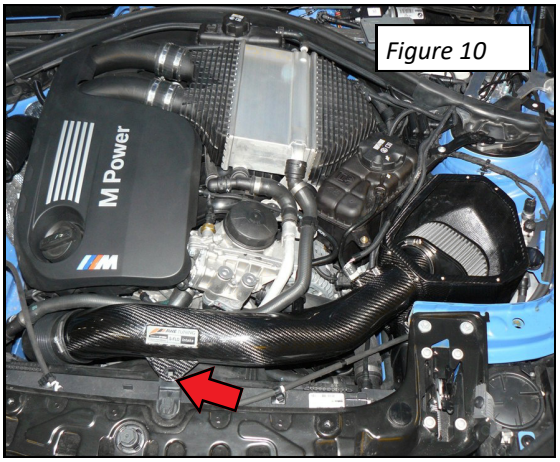


Step 9

Carefully install assembled AWE Tuning driver side carbon fiber airbox into the engine bay, ensuring all mounts and the intake hose are properly and fully seated, including mount on top of radiator support, at arrow in **Figure 10**. Tighten clamp on intake hose.

Reinstall the coolant expansion tank into the rubber mount and install the 11mm bolt to the strut tower.

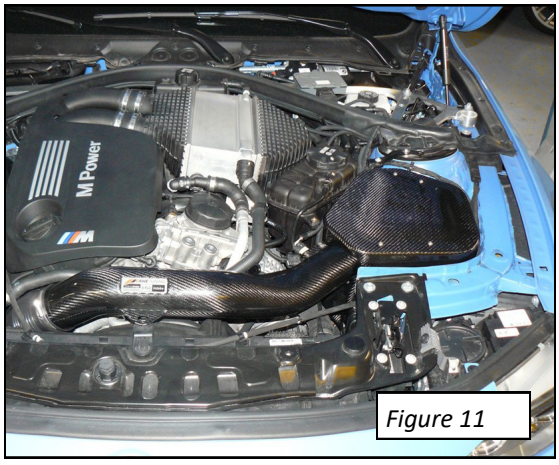
Re-attach the MAF wiring and re-connect the plastic quick connect to the carbon fiber airbox.



Step 10

Using a 3mm hex key, attach the carbon fiber lid to the airbox with the four supplied button head bolts.

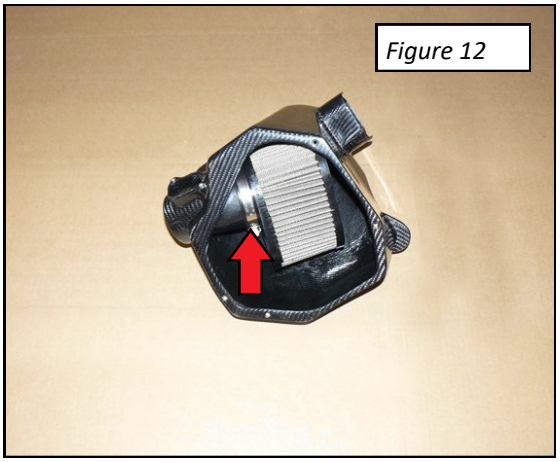
Do not over-tighten bolts to prevent damage to the carbon fiber.



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Step 11

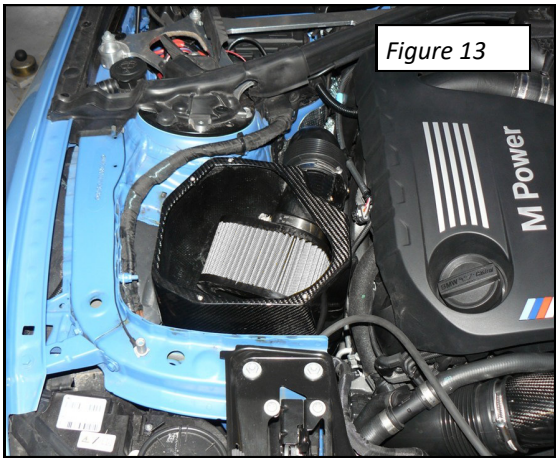
Install the air filter into the AWE Tuning passenger side carbon fiber airbox and tighten down the hose clamp, at arrow in **Figure 12**.



Step 12

Carefully install assembled AWE Tuning passenger side carbon fiber airbox into the engine bay, ensuring all mounts and intake hose are properly and fully seated.

Re-attach the MAF wiring.

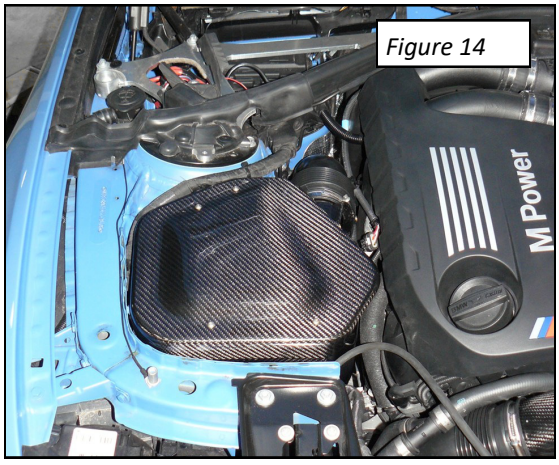


Step 13

Using a 3mm hex key, attach the carbon fiber lid to the airbox with the four supplied button head bolts.

Do not over-tighten bolts to prevent damage to the carbon fiber.

Reinstall all of the factory trim pieces and carbon strut brace in the same manner that they were removed.



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This is a re-usable air filter that can be cleaned when dirty and put back into service.
Please inspect the air filter element every 25,000 miles for integrity.
Clean every 50,000 miles under normal operating conditions, sooner in dusty conditions.
Contact AWE to purchase a filter maintenance kit. Under heat, carbon fiber may mature to present a gold hue - this is a normal reaction to spirited driving.

Any questions or comments,
please do not hesitate to contact us:

AWE
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Horsham, PA 19044

215-658-1670
CONTACT FORM

WARRANTY

Up-to-date warranty information is found **HERE**.

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