

INSTALLATION GUIDE:
AWE CARBON FIBER INTAKE FOR S650 FORD MUSTANG 5.0L

For up-to-date fitment information, please visit the AWE website.

THIS GUIDE IS INTENDED FOR THE FOLLOWING PART NUMBERS:

2660-15750 AWE Carbon Fiber Intake for S650 Ford Mustang 5.0L

Welcome to the AWE family, and congratulations on your purchase of the AWE Carbon Fiber Intake for S650 Ford Mustang 5.0L.

Exquisite build quality and craftsmanship, coupled with industry leading performance, distinguish this intake system from all others.

*For up to the minute fitment information, be sure to visit the AWE website.

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PARTS LIST (2660-15650)

Inspect **ALL** parts prior to disassembly of vehicle; If damaged **or MISSING**, please hit our support form and we will get this sorted, fast!

Symbol	Part Number	Description	QTY
A	500043	S650_Carbon_DS_Box - Matte Finish	1
B	500045	S650_Carbon_DS_Tube - Matte Finish	1
C	500044	S650_Carbon_PS_Box - Matte Finish	1
D	500046	S650_Carbon_PS_Tube - Matte Finish	1
E	400020	Inverted_Cone_5in_Inlet	2
	SFB001	S-FLO Intake Serial Tag	1
F	300015	3.50-4.25_Straight_Silicone_Coupler	2
G	5574K24	90-110 - Worm-Drive Clamp	2
H	5574K26	110-130 Worm-Drive Clamp	2
I	5574k28	Worm-Drive Clamp, 304 Stainless Steel, 5-1/8" to 5-7/8" Clamp ID	2
J	200005	A90_Intake_Mount_Post	2
K	94500A231	Carbon tube bolts	2
L	90313A205	18-8 SS Large-Diameter Flat Washer 1/4' Screw Size, 7/8' OD, .05'-.08' thick	2
M	830001	EPDM Rubber Trim, 1/8" Wide x 7/16" @ 17.75IN	2
N	830002	TRIM LOK INC Edge Grip Seal: Top Bulb w/Vinyl Grip, Fits 0.125 in Edge, 9/16 in Leg Lg @ 29.75IN	1
O	91292A117	Metric 18-8 SS Socket Head Cap Screw M4 Thread, 12mm Length, 0.7mm Pitch	4
P	830003	TRIM LOK INC Edge Grip Seal: Top Bulb w/Vinyl Grip, Fits 0.125 in Edge, 9/16 in Leg Lg @ 29.50IN	1

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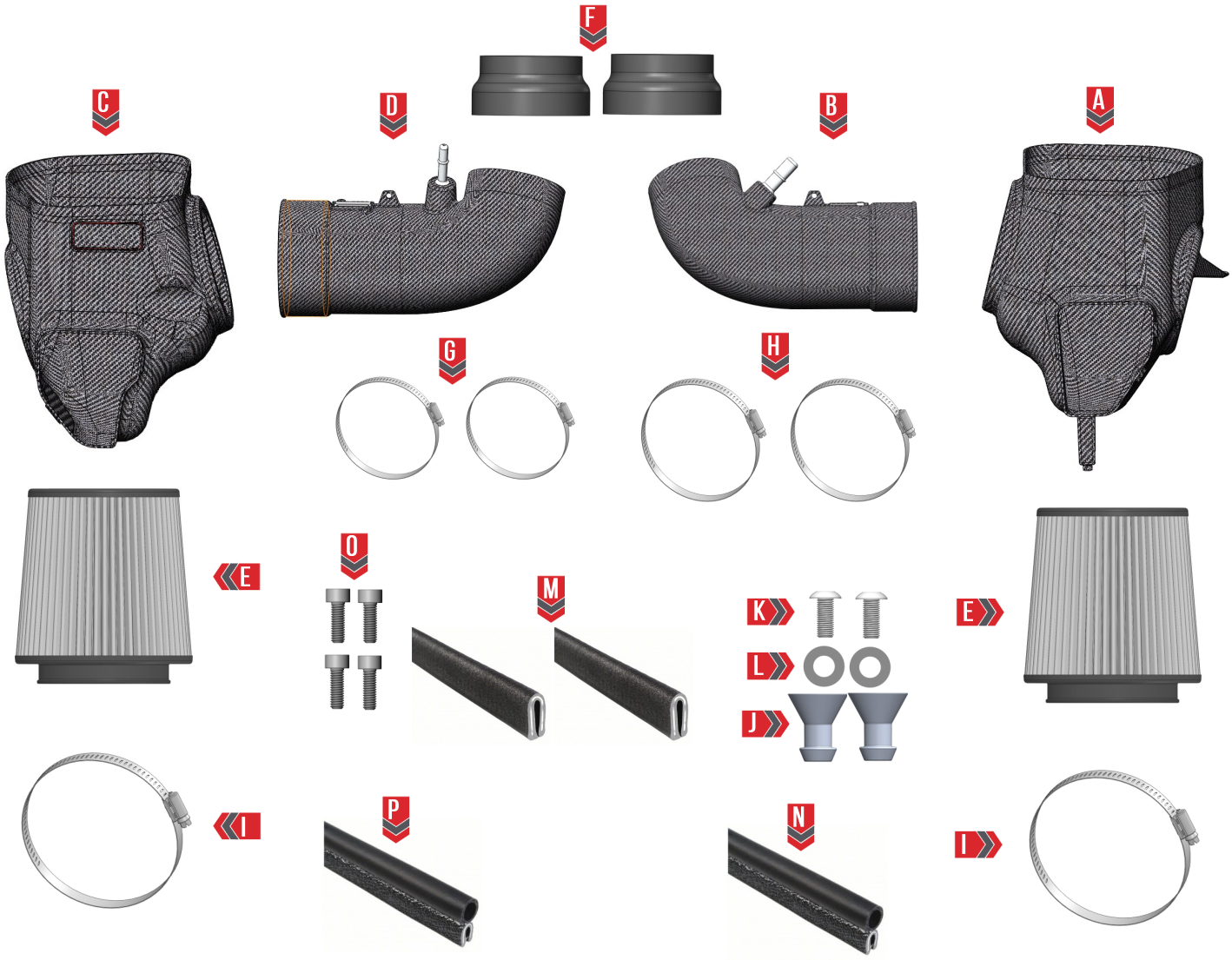
PARTS LIST (2660-15650)

Inspect **ALL** parts prior to disassembly of vehicle; If damaged **or MISSING**, please hit our support form and we will get this sorted, fast!



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STEP 1

Loosen the two OE hose clamps, shown in **Figure 1**.



FIGURE 1

STEP 2

Detach the OE vacuum fitting with the blue locking tab on the driver side tube, shown in **Figure 2-1**.

Do this by prying apart the blue tab and pulling the hose off the OE fitting, as shown in **Figure 2-2**.

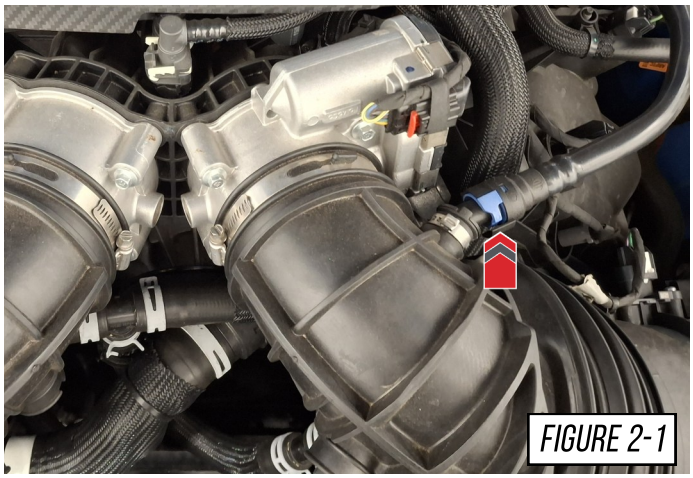
FIGURE 2-1

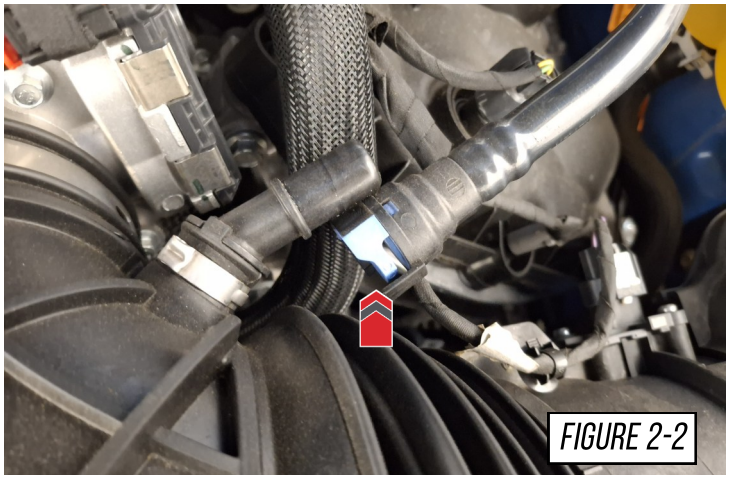
FIGURE 2-2

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STEP 3

Detach the driver side OE wiring harness clip, shown at arrow (**A**) in **Figure 3-1** and **Figure 3-2**.

Unplug the MAF plug, shown at arrow (**B**) in **Figure 3-1** and **Figure 3-2**.

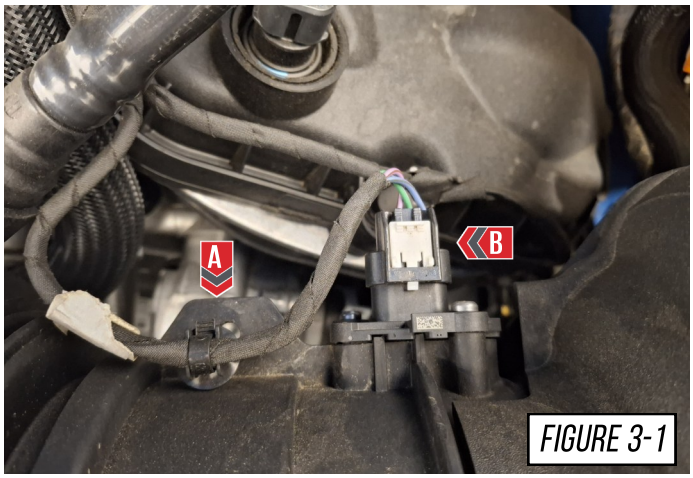

FIGURE 3-1

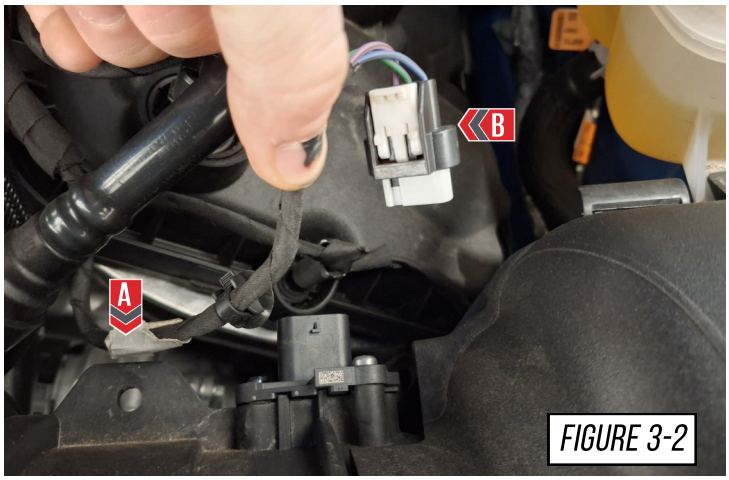

FIGURE 3-2

STEP 4

Remove the OE bolt at the back of the OE driver airbox, as shown in **Figure 4**.

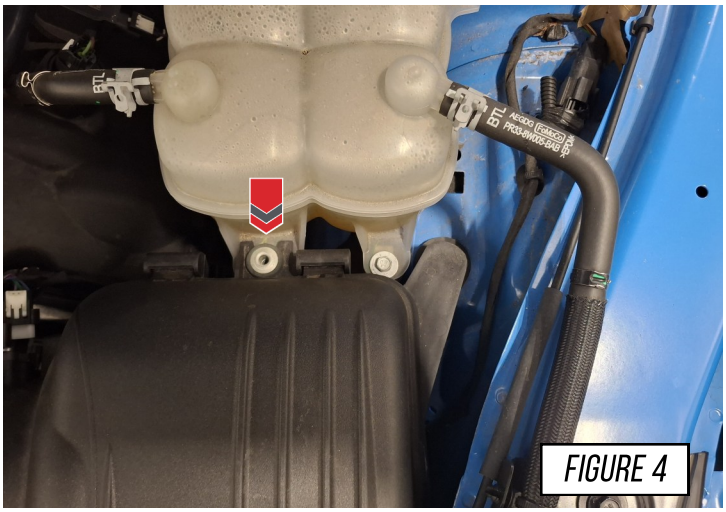
FIGURE 4

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STEP 5

Pull the rubber inlet off the throttle body, then pull the box up, releasing the mounts, as shown in **Figure 5-1.** Next pull the box up and out of the car, as shown in **Figure 5-2**.

Note: Some OE parts will be used with your AWE intake.

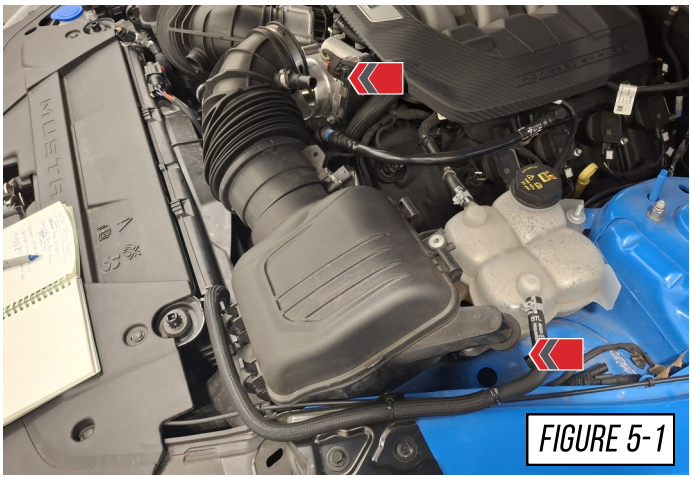
FIGURE 5-1

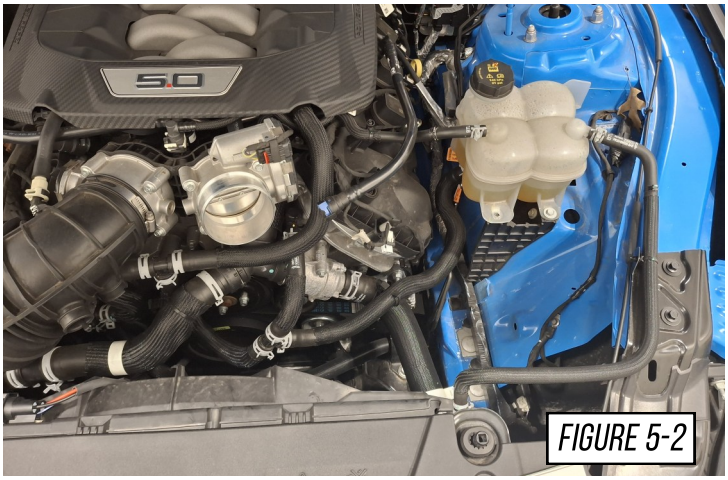
FIGURE 5-2

STEP 6

Detach the OE vacuum fitting with the black locking tab on the passenger side tube, as shown in **Figure 6-1**.

Do this by squeezing the black tab and pulling the hose off the OE fitting, as shown in **Figure 6-2**.

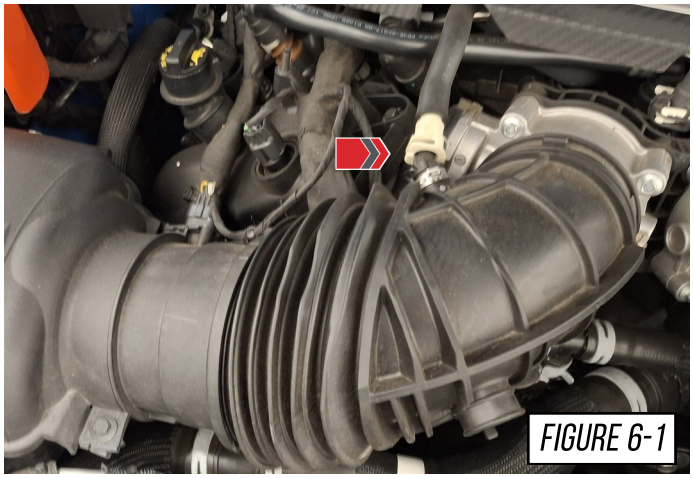
FIGURE 6-1

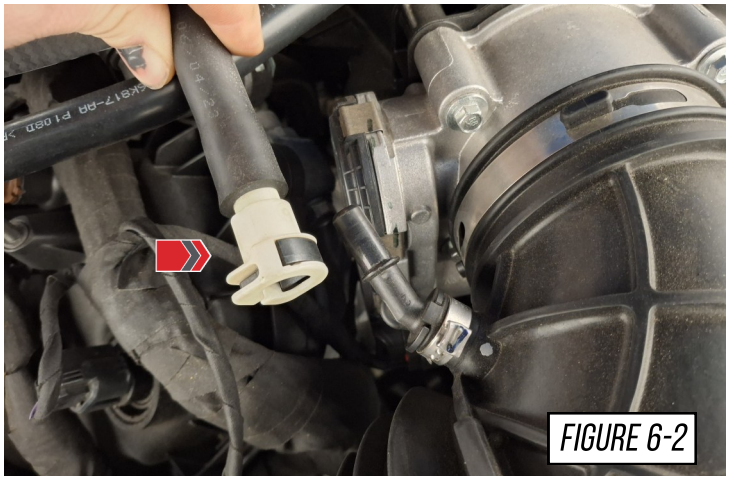
FIGURE 6-2

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STEP 7

Detach the passenger side OE wiring harness clip, shown at arrow (**A**) in **Figure 7-1** and **Figure 7-2**.

Unplug the MAF plug, shown at arrow (**B**) in **Figure 7-1** and **Figure 7-2**.

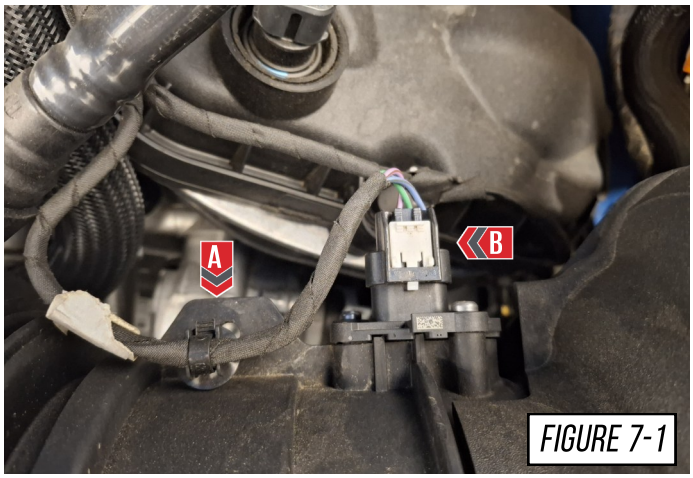

FIGURE 7-1

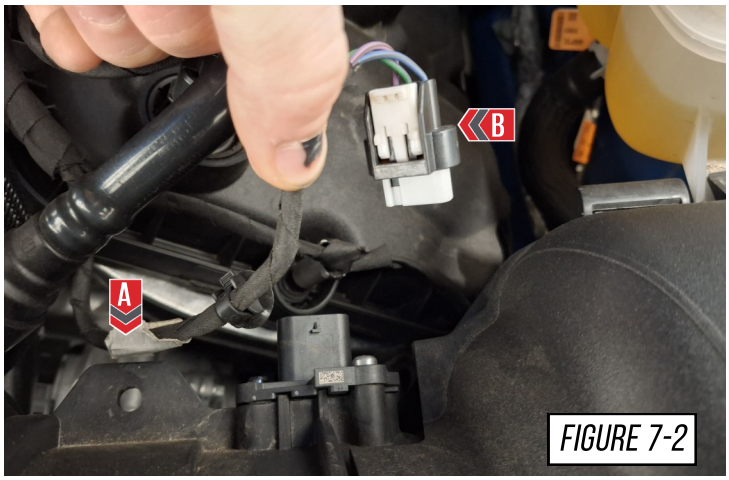

FIGURE 7-2

STEP 8

Remove the lid of the passenger side air box, as shown in **Figure 8-1** and **Figure 8-2**.

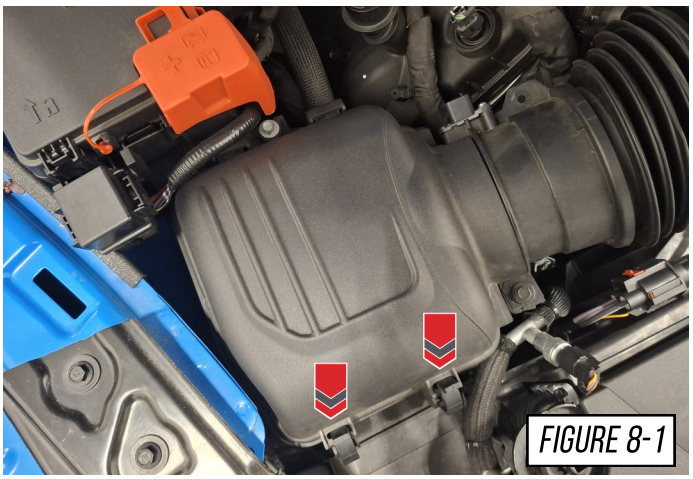
FIGURE 8-1


FIGURE 8-2

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STEP 9

Temporarily remove the relay attached to the side of the fuse box by using a flat head screw driver and pulling the relay up , shown in **Figure 9-1**.

Set the relay off to the side to allow more space to work, as shown in **Figure 9-2**.

Note: Figure 9-2 is with the intake removed for example.

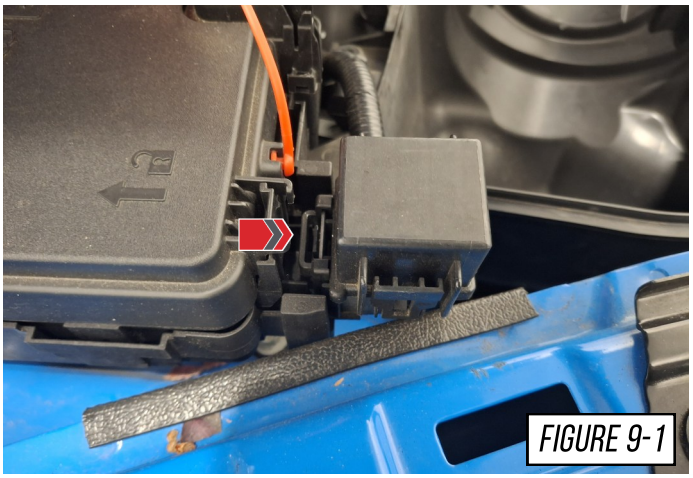

FIGURE 9-1

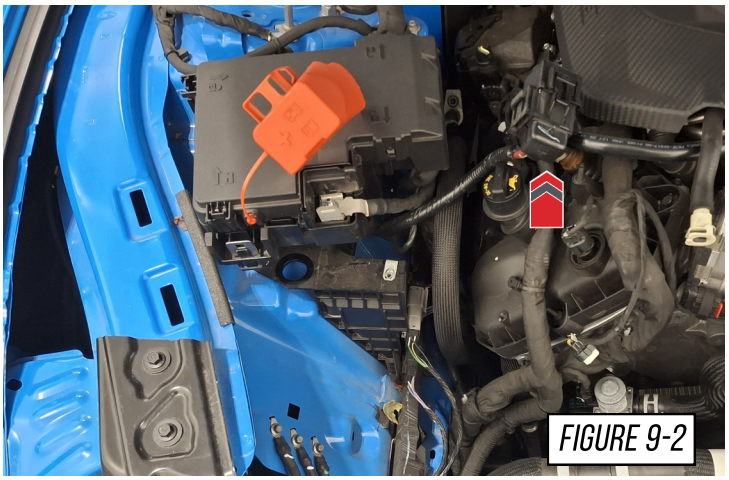

FIGURE 9-2

STEP 10

Remove the 2 OE bolts, 1 at the back of the box and 1 on the tube of the OE passenger airbox, as shown in **Figure 10**.

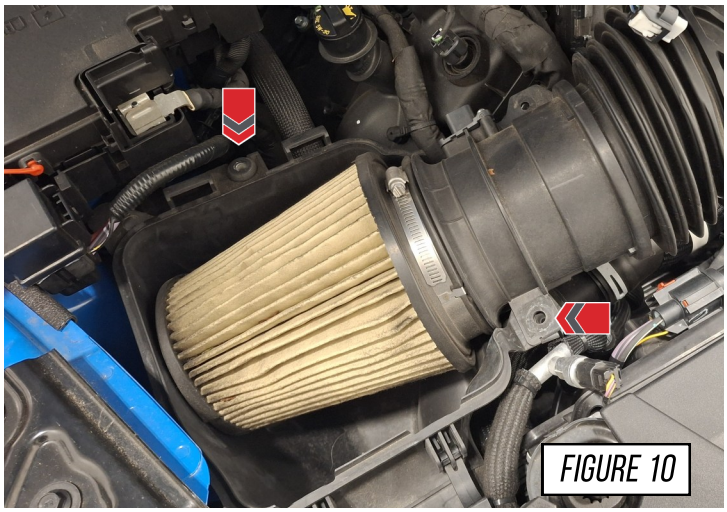

FIGURE 10

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STEP 11

Pull the rubber inlet off the throttle body, then pull the tube and filter out of the car, as shown in **Figure 11-1.**

Note: Some OE parts will be used with your AWE intake.

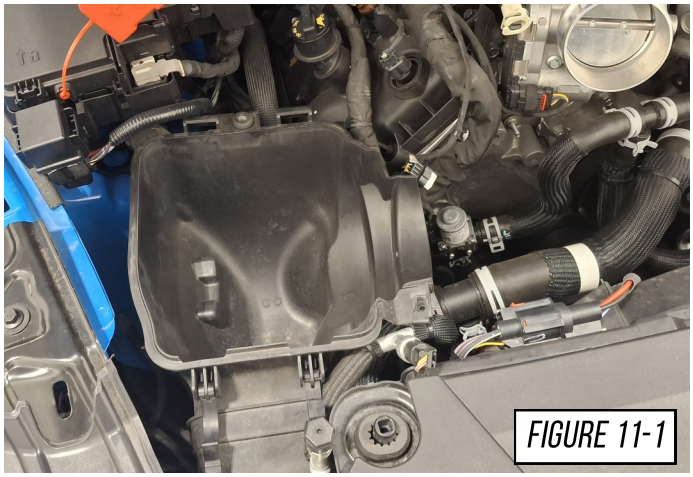
FIGURE 11-1

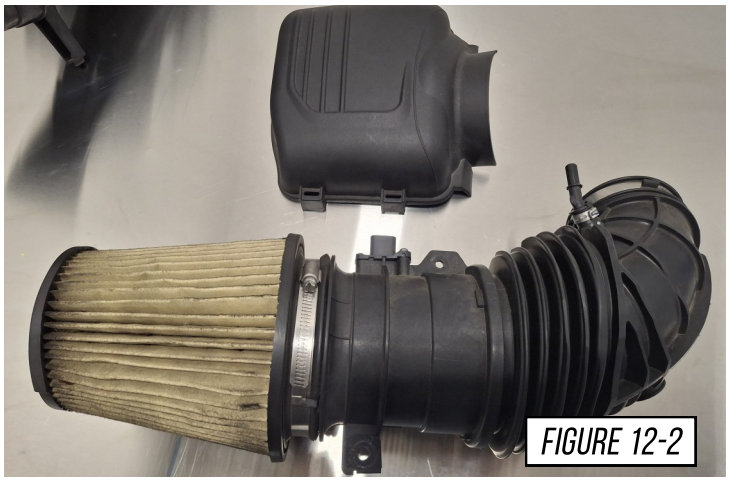
FIGURE 12-2

STEP 12

Pull the box up releasing the mounts, as shown in **Figure 12-1.** Next remove the box from the car, as shown in **Figure 12-2**. The box will be tight but pull the rear mounting leg out first, the rest of the box will pull out after.

Note: Some OE parts will be used with your AWE intake.

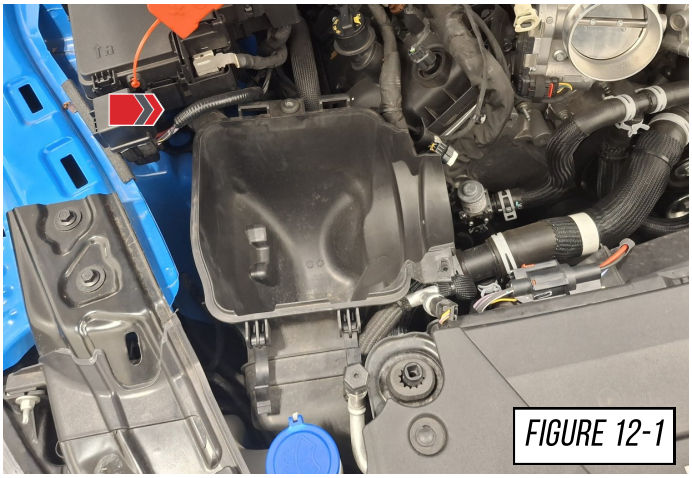
FIGURE 12-1

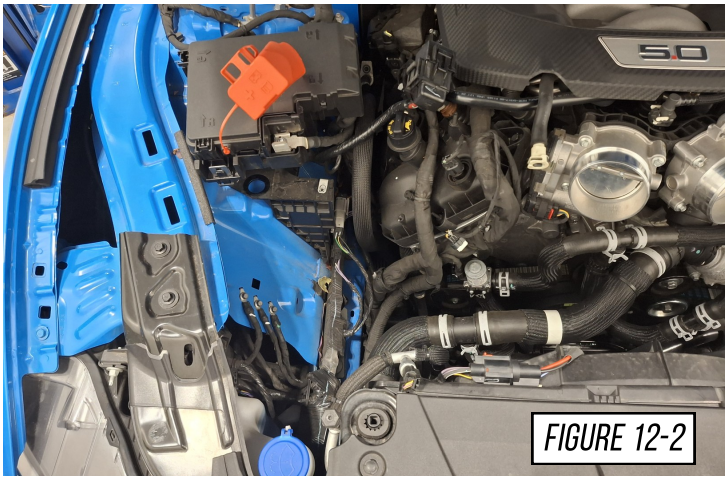
FIGURE 12-2

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STEP 13

From the OE driver side intake, remove the black plastic inlet (**A**), rubber bolt mount (**B**), rubber post mount (**C**), and the MAF (**D**).

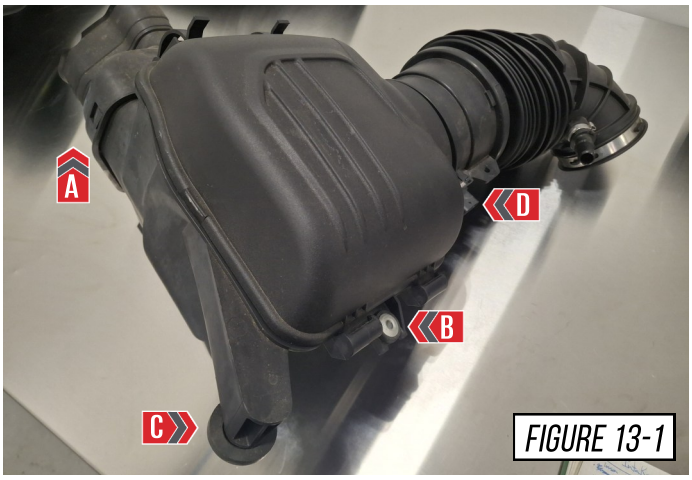

FIGURE 13-1

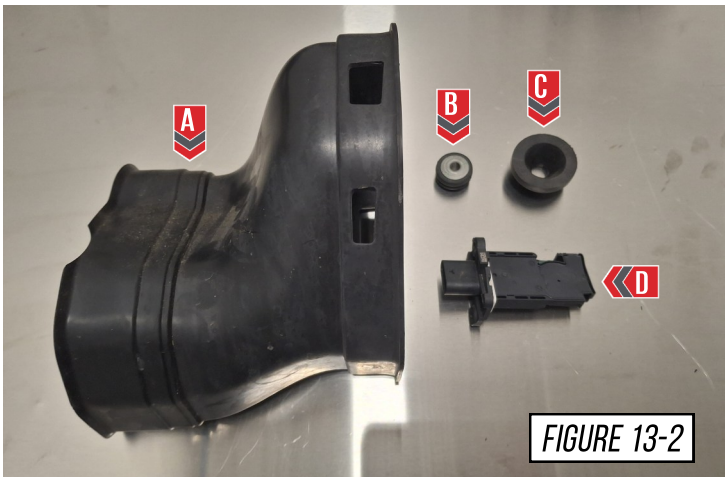

FIGURE 13-2

STEP 14

Gather your AWE driver side tube (**500045**), 2 of the M4 bolts (**91292A117**) and the OE MAF removed in **Step 13**.

Install the OE MAF into your AWE tube, as shown in **Figure 14**.

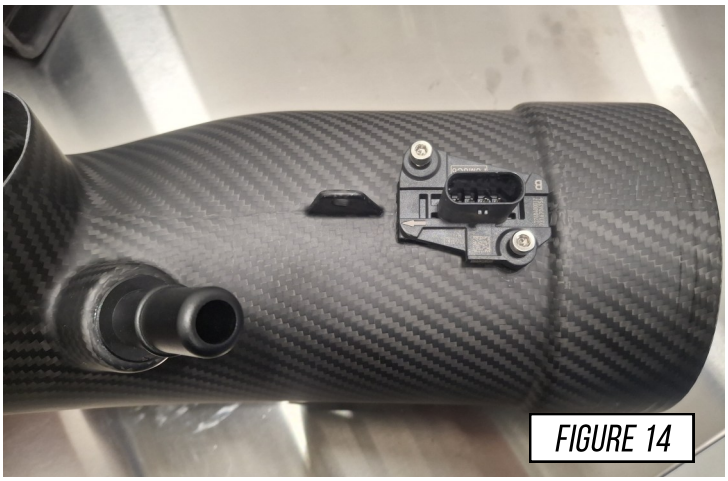
FIGURE 14

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STEP 15

Gather your AWE box (**500043**), the top seal (**830002**) and the side seal (**830001**), and install as shown in **Figure 15**.

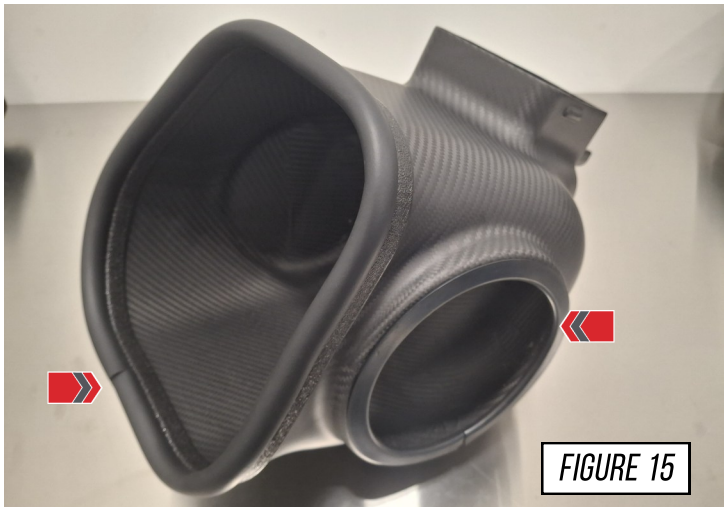

FIGURE 15

STEP 16

Gather and install the supplied mount post (**200005**), M5 bolt (**94500A231**), and washer (**90313A205**), as shown in **Figure 16**.

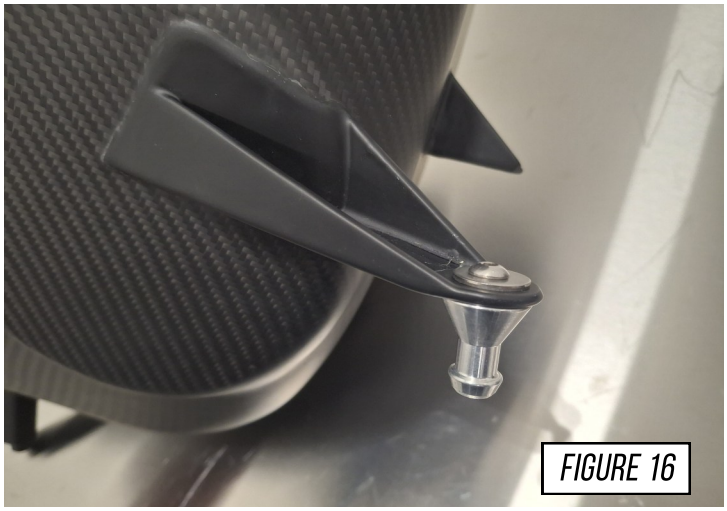

FIGURE 16

STEP 17

Gather and install the 2 rubber mounts removed in **Step 13**, as shown in **Figure 17**.

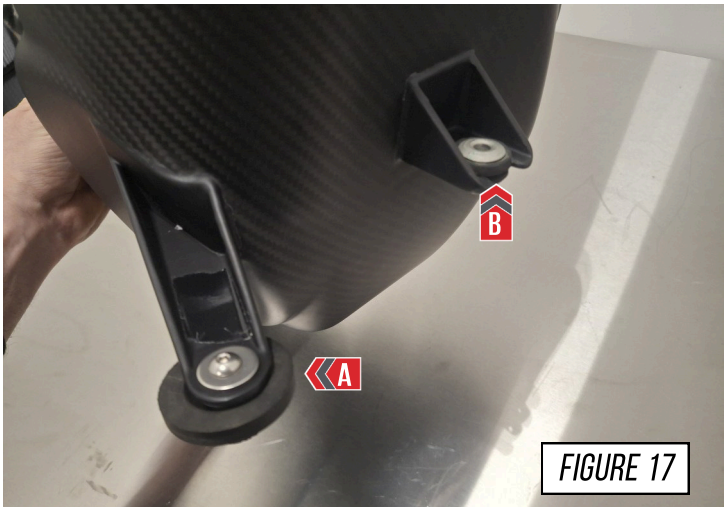

FIGURE 17

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STEP 18

Gather and install the OE driver side inlet, removed in **Step 13**, as shown in **Figure 18**.

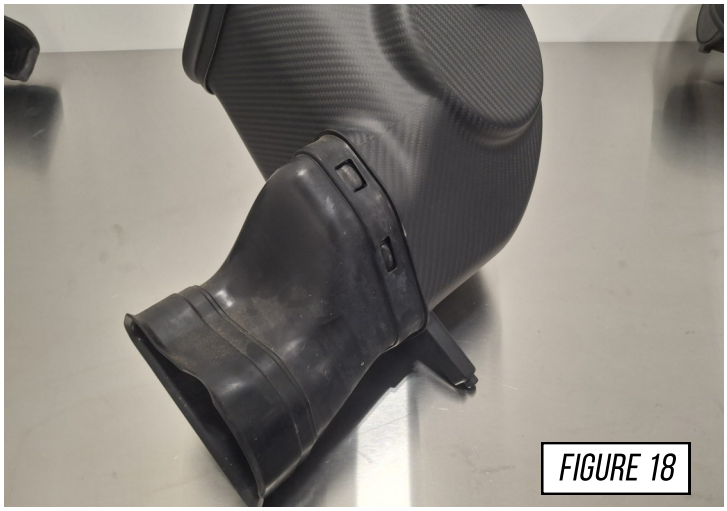

FIGURE 18

STEP 19

Gather your AWE air filter (**400020**) and the 130-150MM hose clamp (**5574k28**) and place on the inlet of the filter, as shown in **Figure 19**.



FIGURE 19

STEP 20

Drop you filter into your driver airbox, as shown in **Figure 20**.



FIGURE 20

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STEP 21

Gather the silicone coupler (**300015**), hose clamps 110-130MM (**5574K26**) and 90-110MM (**5574K24**). Install the silicone onto the throttle body, shown at arrow (**A**).

Install your AWE airbox (**500043**) into the car, install your tube (**500045**) into the filter (**B**), as shown in **Figure 21-1**.

Rotate the tube into the silicone, as shown in **Figure 21-2**.

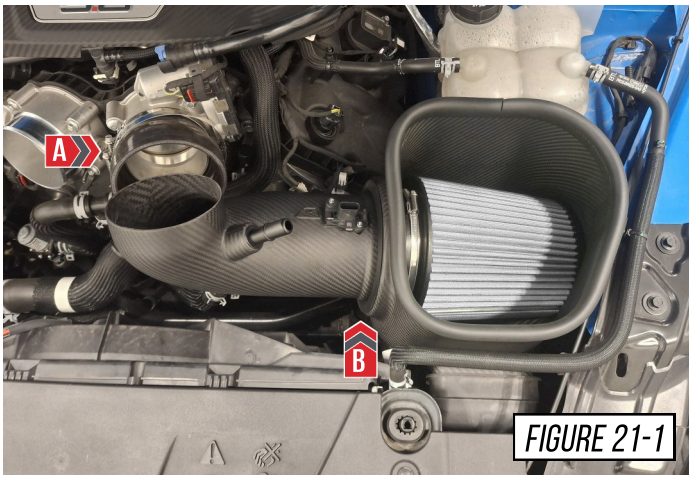

FIGURE 21-1

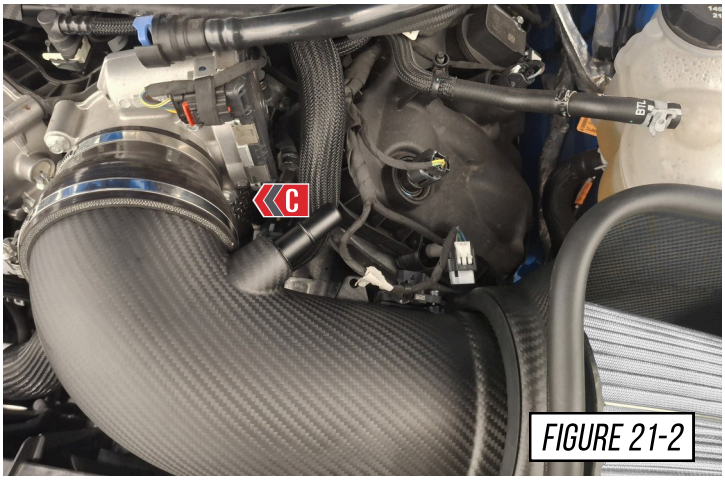

FIGURE 21-2

STEP 22

Plug in the OE MAF (**A**), attach the OE vacuum port (**B**) and tighten the hose clamps (**C**), as shown in **Figure 22**.

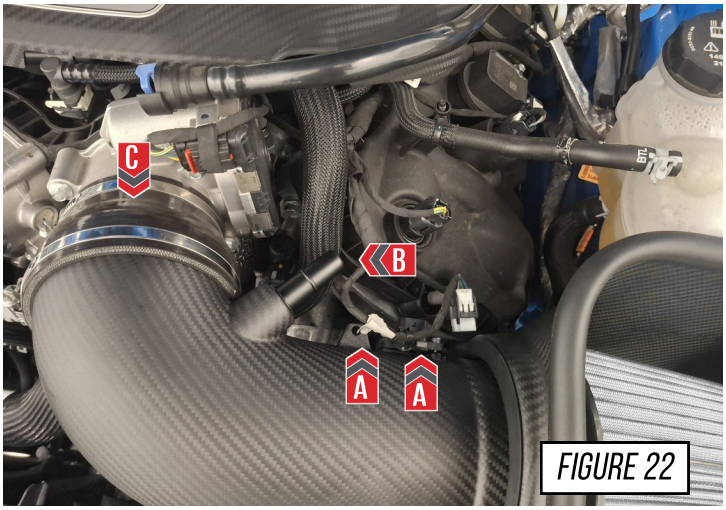

FIGURE 22

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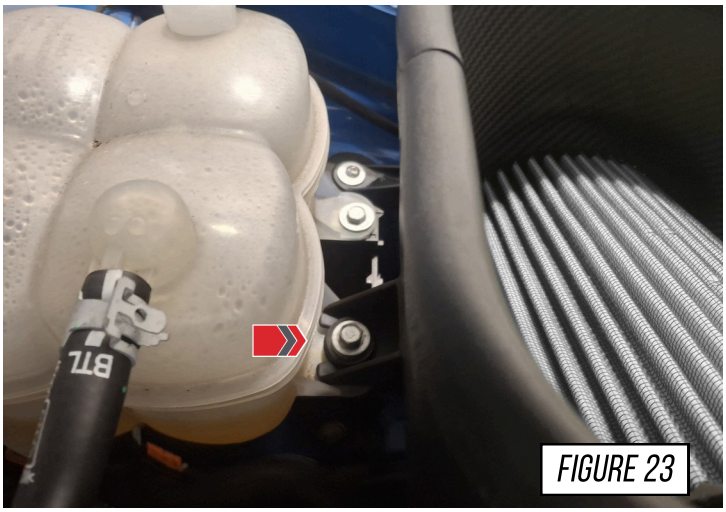
STEP 23

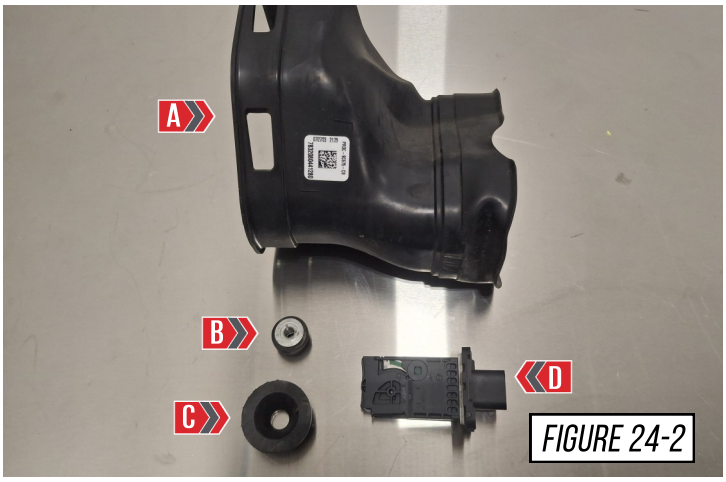
Reinstall the OE bolt at the back of your AWE driver airbox (**500043**), as shown in **Figure 23**.



STEP 24

From the OE passenger side intake remove the black plastic inlet (**A**), rubber bolt mount (**B**), rubber post mount (**C**), and the MAF (**D**).





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STEP 25

Gather your AWE passenger side tube (**500046**), 2 of the M4 bolts (**91292A117**) and the OE MAF removed in **Step 13**.

Install the MAF into your AWE tube, as shown in **Figure 25**.

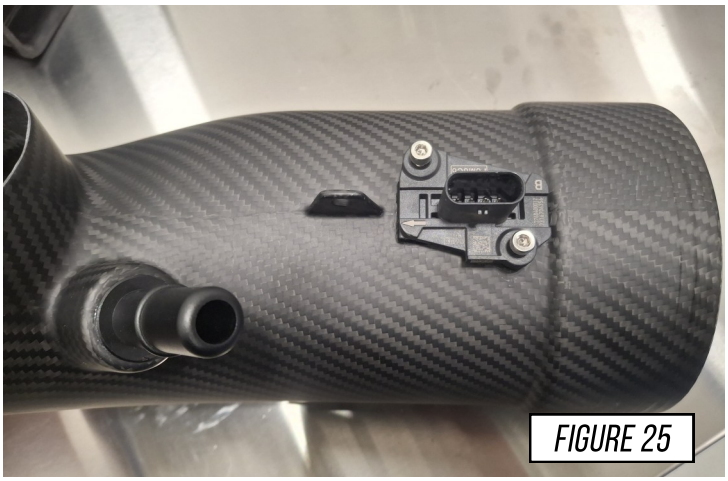

FIGURE 25

STEP 26

Gather your passenger AWE box (**500044**), the top seal (**830003**) and the side seal (**830001**), as shown in **Figure 26**.



FIGURE 26

STEP 27

Gather and install the supplied mount post (**200005**), M5 bolt (**94500A231**), and washer (**90313A205**), as shown in **Figure 27**.

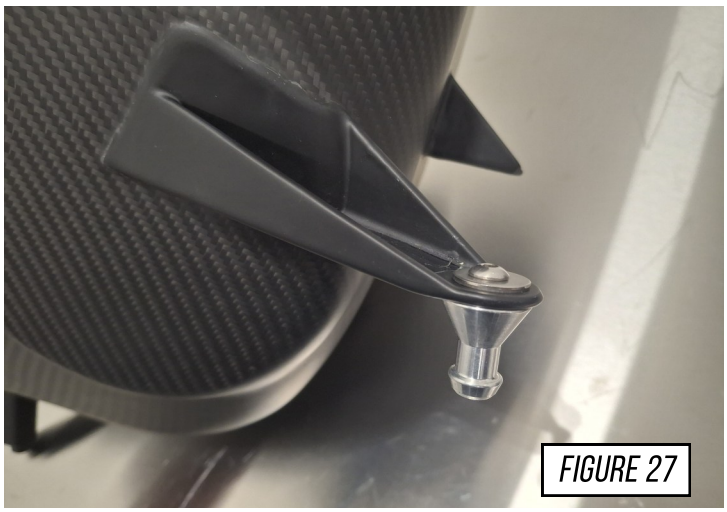

FIGURE 27

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STEP 28

Gather and install the 2 rubber mounts removed in **Step 24**, as shown in **Figure 28**.

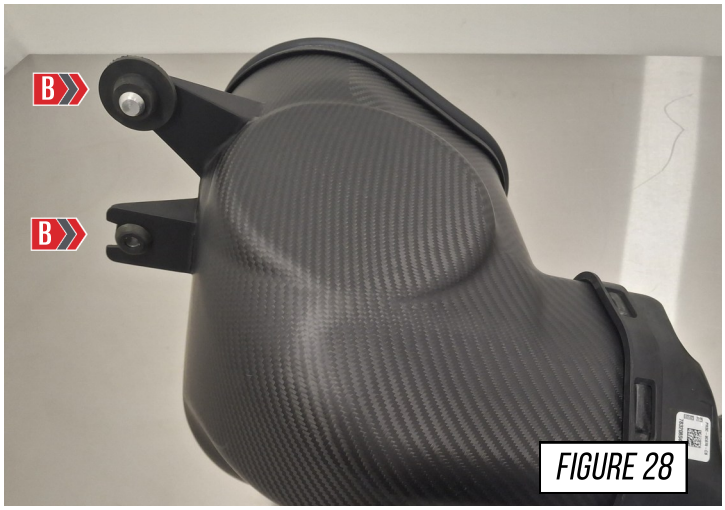

FIGURE 28

STEP 29

Gather the silicone coupler (**300015**), hose clamps 110-130MM (**5574K26**) and 90-110MM (**5574K24**). Install the silicone onto the throttle body, shown in **Figure 29.**

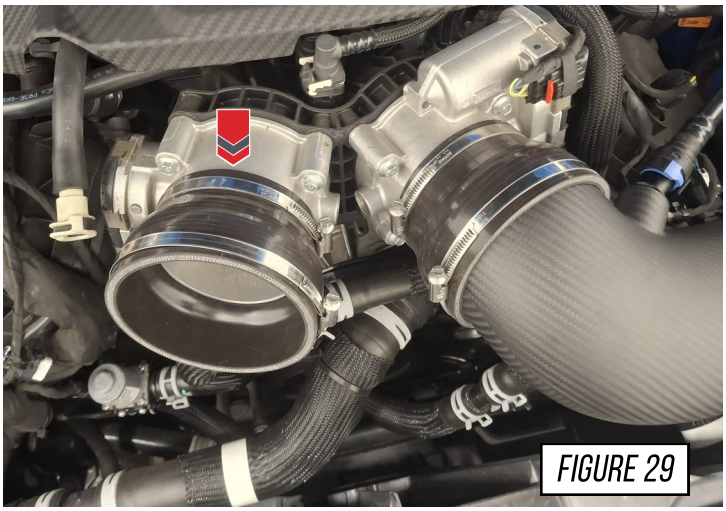
FIGURE 29

STEP 30

Gather the OE black plastic inlet removed in **Step 24** and install it back into the front of the passenger side of the engine bay, as shown in **Figure 30**.

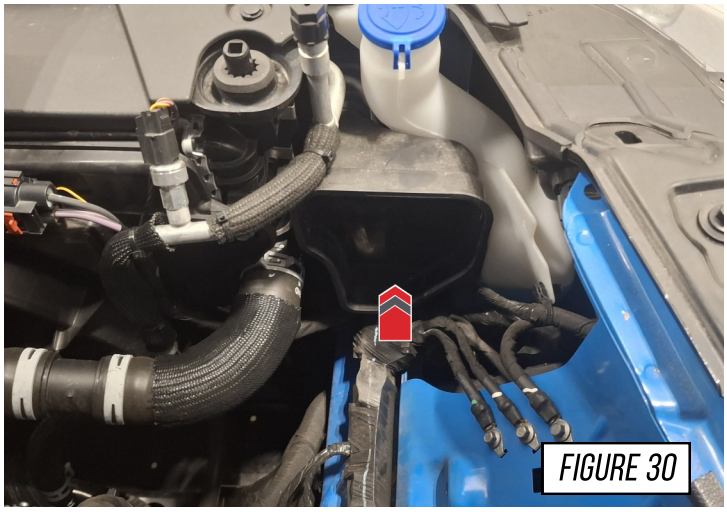
FIGURE 30

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STEP 31

Gather your AWE airbox (**500044**) and align the OE front inlet and your airbox before pushing the box down, as shown in **Figure 31**.

Note: Fitment is tight but will fit.

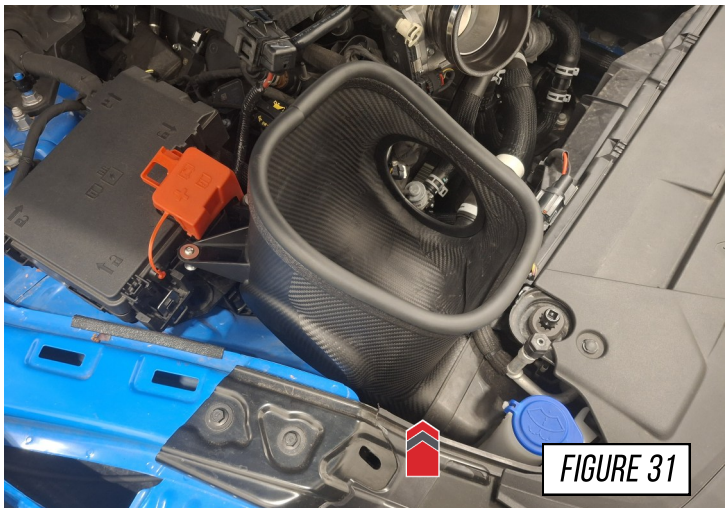

FIGURE 31

STEP 32

Reinstall the OE bolt at the back of your AWE passenger airbox, as shown in **Figure 32**.

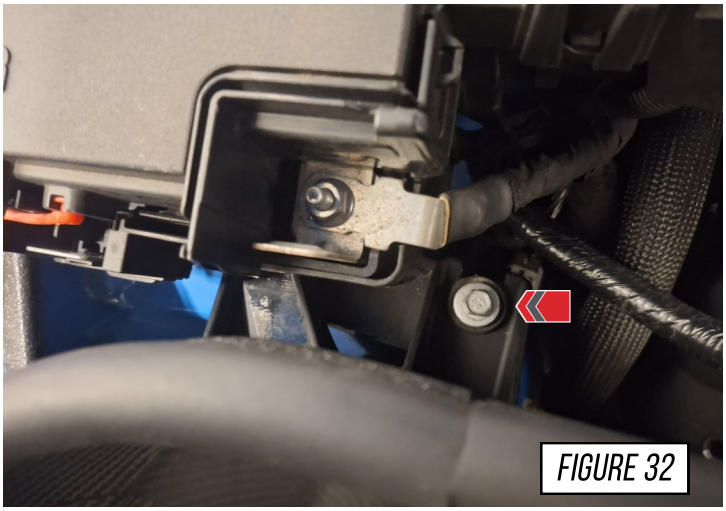

FIGURE 32

STEP 33

Reinstall the OE relay at the back of your AWE passenger airbox by pushing it into place, as shown in **Figure 33**.

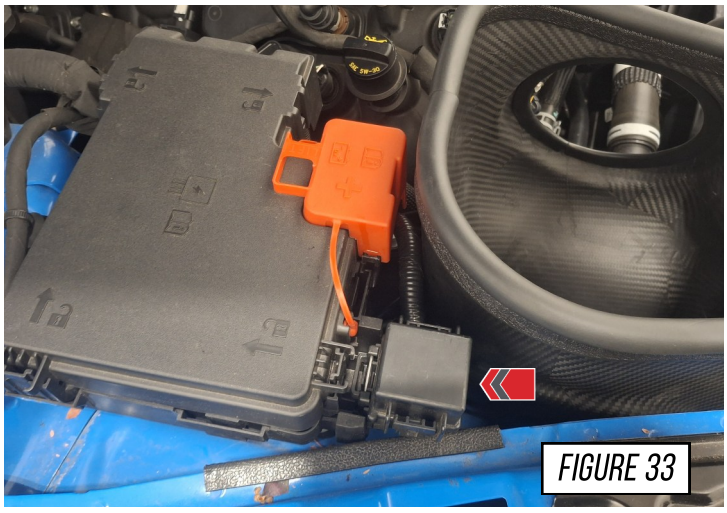

FIGURE 33

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STEP 34

Gather your AWE air filter (**400020**) and the 130-150MM hose clamp (**5574k28**) and place on the inlet of the filter.

Drop you filter into your passenger airbox, as shown in **Figure 34**.

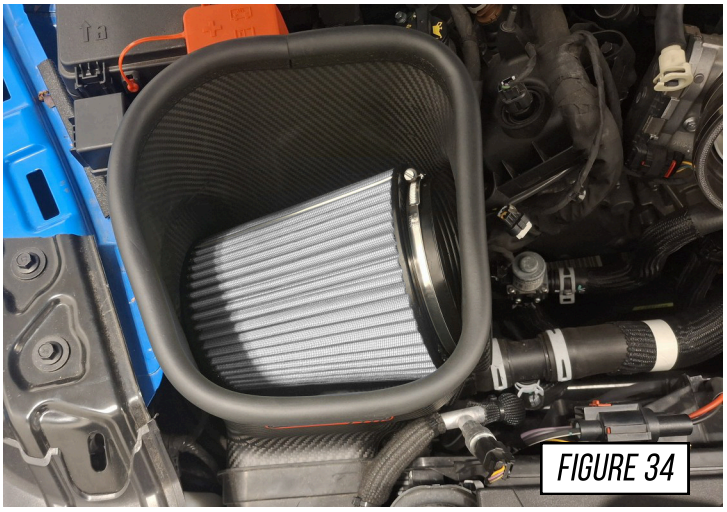
FIGURE 34

STEP 35

Gather your AWE driver tube (**500046**) and install it into the air filter (**A**), as shown in **Figure 35-1.**

Rotate your carbon tube into the silicone (**B**), as shown in **Figure 35-2**.

Tighten the 3 hose clamps once tubes are aligned.

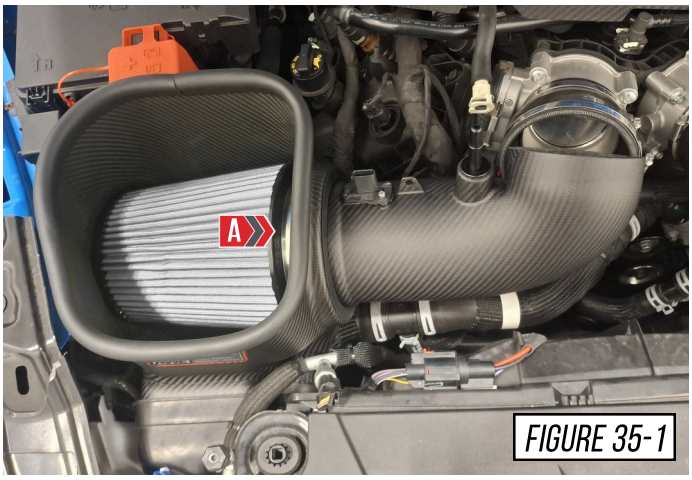

FIGURE 35-1

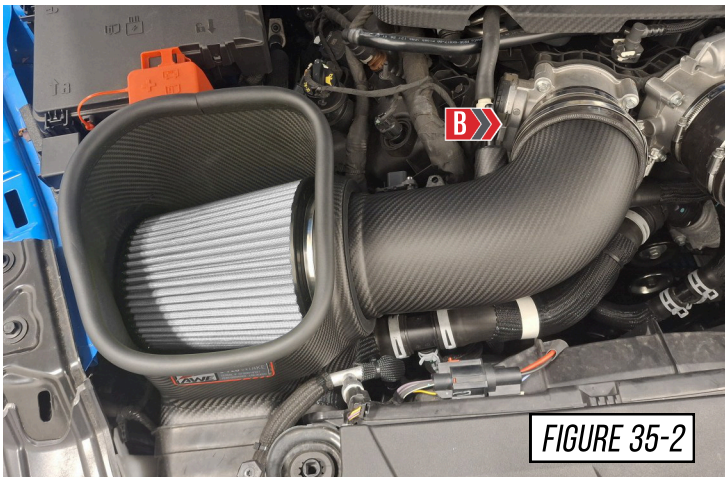

FIGURE 35-2

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STEP 36

Plug in the OE MAF (**A**), and attach the OE vacuum port (**B**), as shown in **Figure 36**.

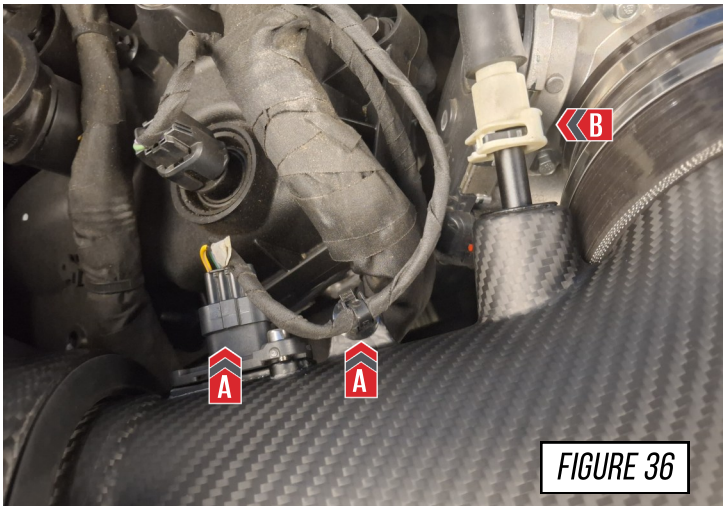

FIGURE 36

STEP 37

Ensure all bolts and hose clamps are tightened, as shown in **Figure 37**.



FIGURE 37

ENJOY!

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TROUBLESHOOTING

Issue	Solution
Check engine light	Make sure all hoses are reinstalled and are all secure. Check out our FAQ/ fitment guide for more installation tips.
Incorrect or missing parts	Double check the parts list for your system and compare them with what you received. Any issues, hit our support form and we will get this sorted, fast!

CARE

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.

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

AWE
SUPPORT FORM

WARRANTY

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

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