

These instructions are intended for the following part numbers:
2660-13140

INSTALLATION GUIDE

2014+ Porsche 911 Turbo S (991)
S-FLO Carbon Intake

FOR RACING USE ONLY

Thank you for purchasing the **AWE S-FLO Carbon Intake.**
Exquisite build quality with industry leading performance distinguish this intake kit from all others.

Installation questions?
CONTACT US

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PARTS LIST

INSPECT ALL PARTS PRIOR TO DISASSEMBLY OF VEHICLE; IF DAMAGED OR MISSING, PLEASE CONTACT THE PLACE OF PURCHASE IMMEDIATELY.

AWE S-FLO Carbon Intake Parts:

1 Carbon fiber air box lower
1 Carbon fiber air box upper
2 Carbon fiber tubes
2 S-FLO Filters
22 M5 button head Allen bolts
1 Foam gasket
1 5/16 barb fitting
1 8-12 hose clamp
1 Breather filter

Required Tools:

Torque wrench
3mm Allen wrench
T45, T30, T25 Torx
7MM, 10MM, 14MM sockets

STEP 1

NOTE: *Installation of the AWE S-FLO Carbon Intake requires removal of the rear wheels. If vehicle is equipped with center lock wheel bolts, special equipment will be needed to properly re-install the wheels.*

With the vehicle elevated, remove the rear wheels. With key in the on position, push and hold the button on the center console to fully raise the rear wing. Open trunk and engine compartments.

STEP 2

Unclip the plastic shrouds covering the rear wing uprights as shown in **Figure 1**.

Using a T45 Torx bit and appropriate driver, unbolt the two bolts holding the wing blade onto the uprights, at arrow in **Figure 1**.

Remove the wing blade by gently pushing forward and lifting up.

Remove the plastic shrouds from the uprights.

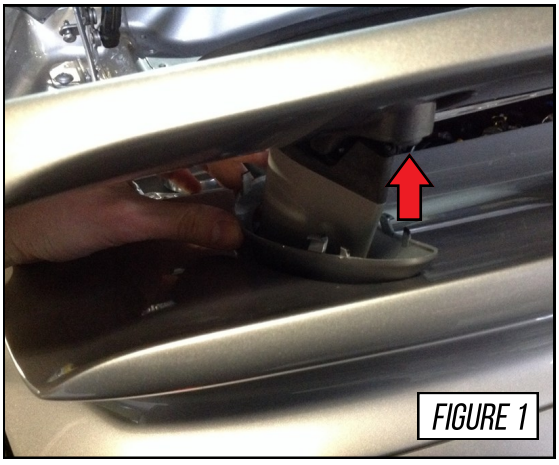

FIGURE 1

STEP 3

Remove the engine cover, fans, and air inlet duct. These are all held in by rubber grommet and mounting pins and are removed simply by lifting up on them.

The fans will both have wiring harness connections that need to be unclipped before removing completely.

Under each fan, there is a T30 Torx bolt that needs to be removed, at arrow in **Figure 2.**

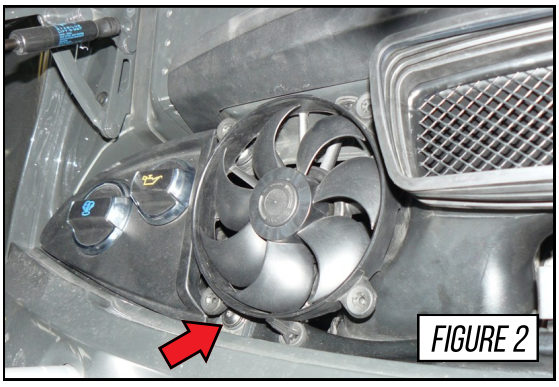

FIGURE 2

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STEP 4

Remove the plastic filler panel with the third brake light by pushing towards the rear of the car gently until it releases from the retaining clips.

Unclip the third brake light wiring harness.

Lift straight up over the wing supports to remove panel.

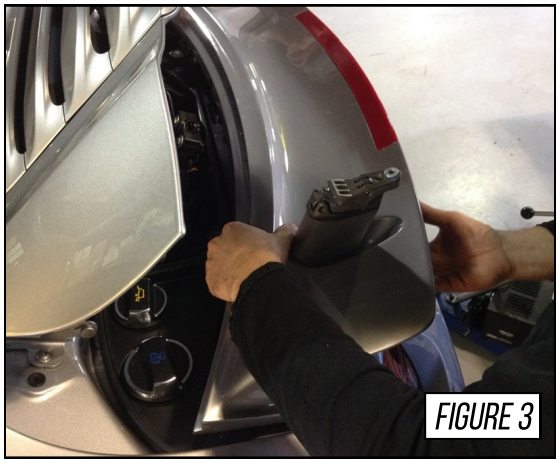
FIGURE 3

STEP 5

Using a T30 Torx bit, remove the four screws holding the top of the bumper to the plastic shroud, at arrows in **Figure 4**.

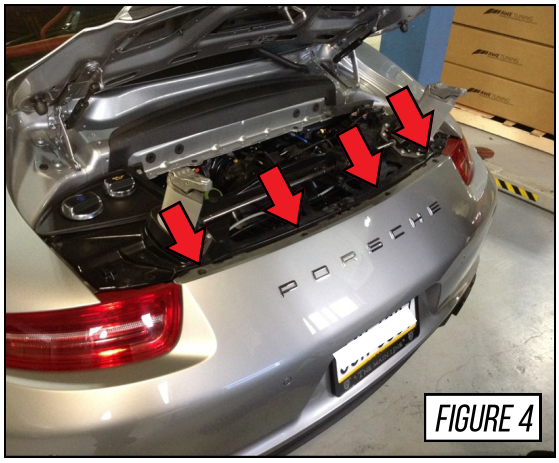

FIGURE 4

STEP 6

Unscrew the two bolts holding each taillight in place, using a T25 Torx bit, at arrows in **Figure 5**.

Pull straight out on the taillights to remove them.

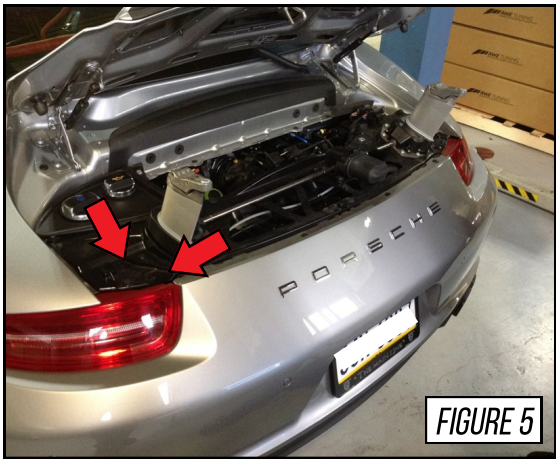

FIGURE 5

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STEP 7

Unclip the wiring connector from the back of the taillights before setting them aside.

Remove each rear lower fender liner using T25 Torx bit and 10mm socket.

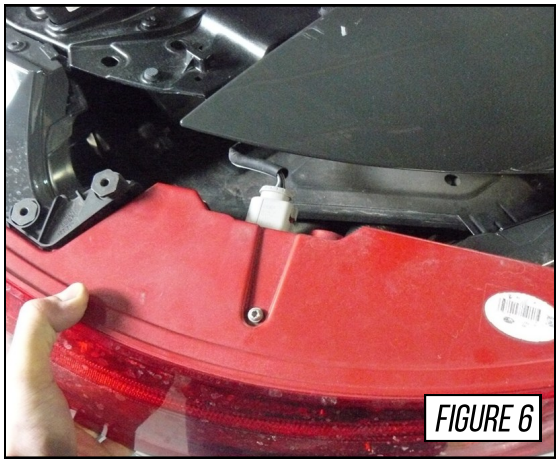

FIGURE 6

STEP 8

Using the T30 Torx bit, unscrew the 7 bolts from the bottom of the bumper, at arrows in **Figure 7**.

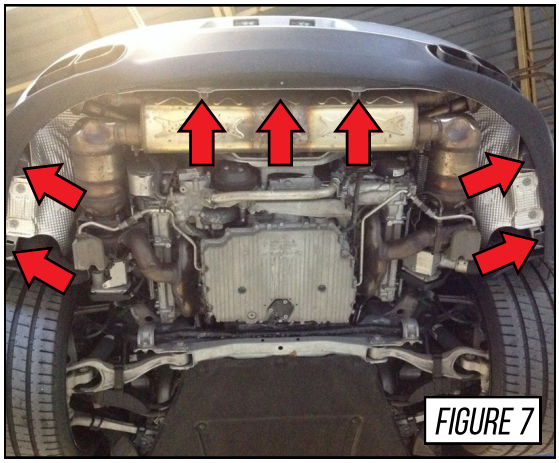

FIGURE 7

STEP 9

On both sides of the car, remove the bumper bolts under the rear wheel wells, at arrow in **Figure 8**.

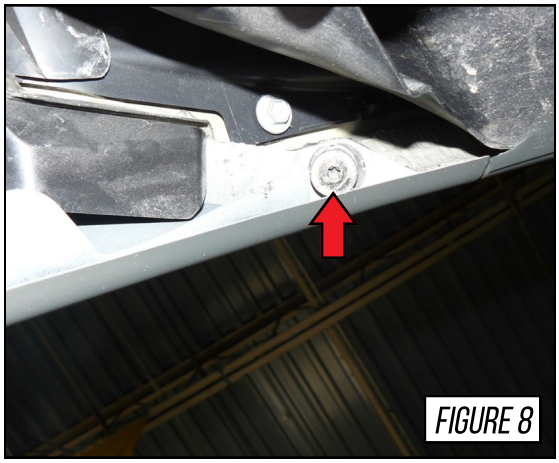

FIGURE 8

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STEP 10

Remove the bolts behind the taillights, at arrow in **Figure 9**, to allow the bumper to slide rearward.

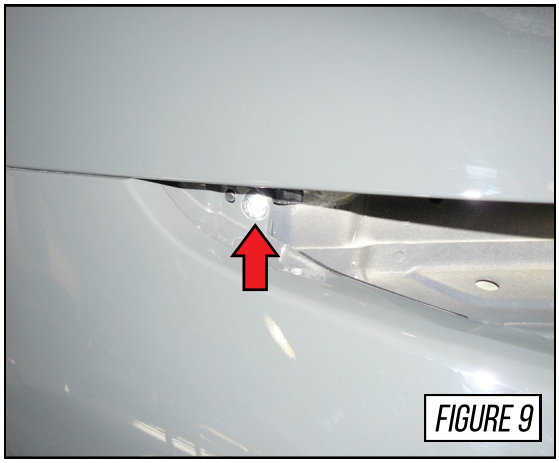

FIGURE 9

STEP 11

Unclip the wiring connector from the driver side of the bumper, at arrow in **Figure 10**.

Carefully pull straight back on the bumper to remove it from the car.

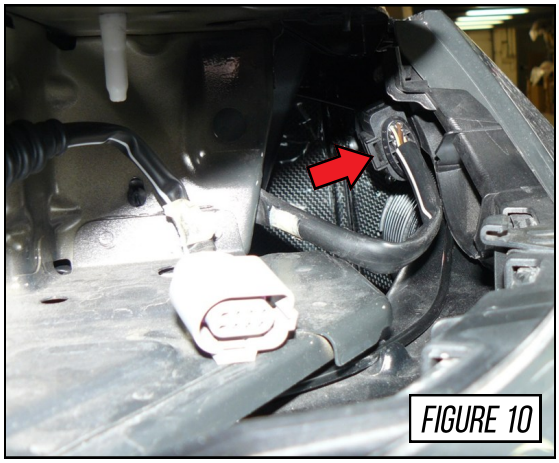

FIGURE 10

STEP 12

Remove the coolant and oil filler caps.

Remove the 10mm bolt on the cap shroud, shown at the arrow in **Figure 11**.

Lift the shroud straight up to remove.

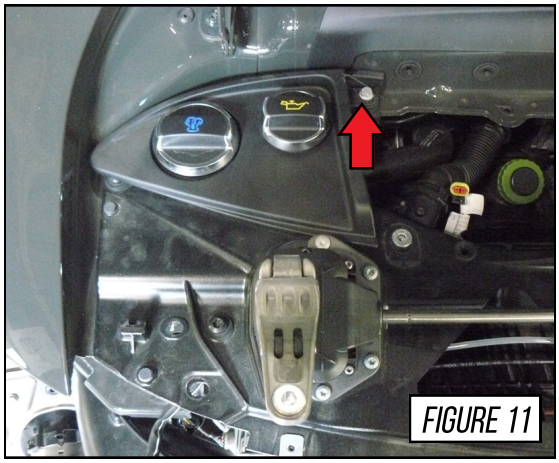

FIGURE 11

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STEP 13

Loosen but do not remove the four T45 Torx bolts holding on the plastic support, at arrows in **Figure 12**.

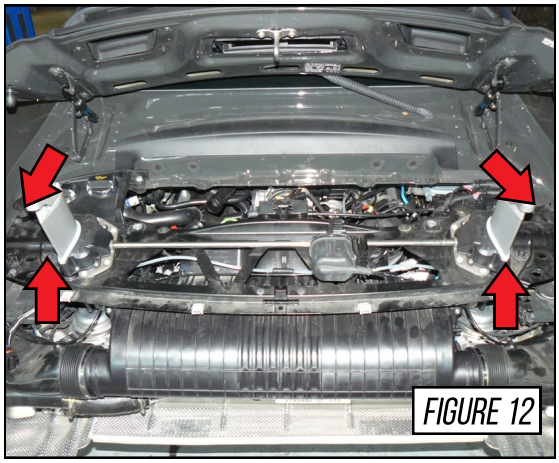

FIGURE 12

STEP 14

Remove the air line from the side of the air box, at arrow in **Figure 13.**

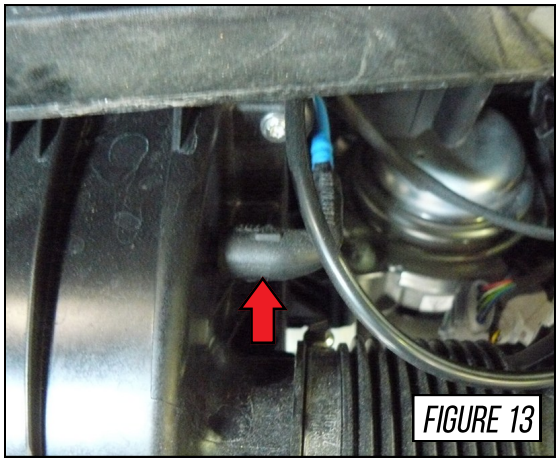

FIGURE 13

STEP 15

Remove the air solenoid; from the back of the air box, press the clip on the air box and pull the valve straight up.

Location shown at the arrow in **Figure 14**

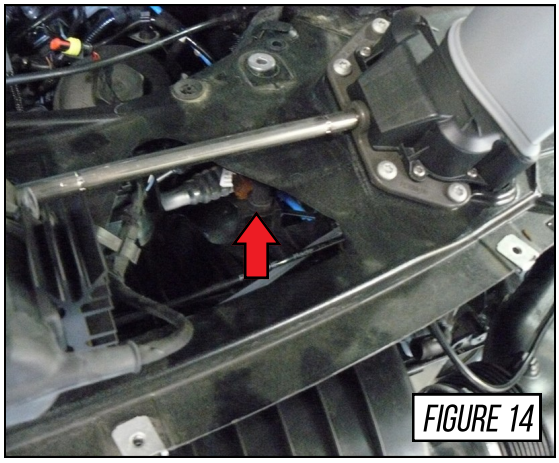

FIGURE 14

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STEP 16

Remove the sound symposer, at arrow in **Figure 15**, from the back of the air box on the driver side by pressing down on its clip and pulling it straight out of the air box.

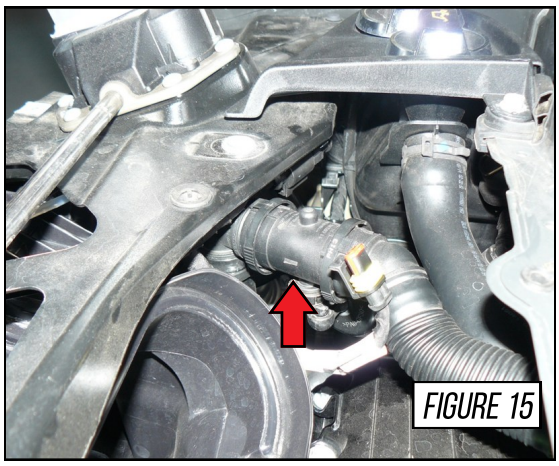
FIGURE 15

STEP 17

Using a 7mm socket, loosen and remove the two hose clamps holding the inlet hoses to the air box, shown by the arrows in **Figure 16.**

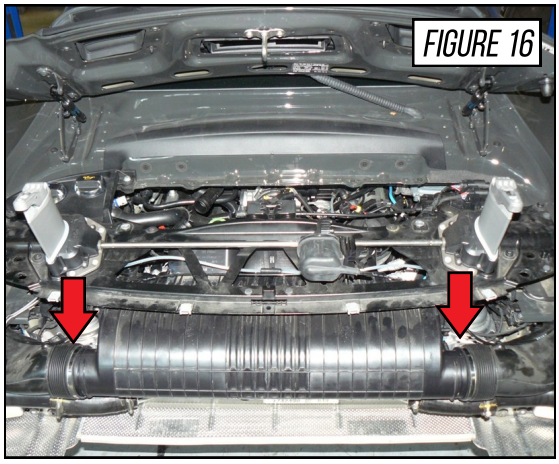
FIGURE 16

STEP 18

Unclip the air lines from the four mounts on the top of the air box, at arrows in **Figure 17**.

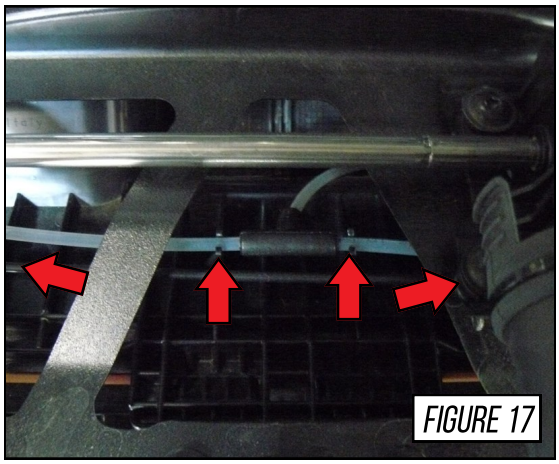
FIGURE 17

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STEP 19

Pull straight up on the air box to release its two mounts from their rubber grommets.

At this point the air box should be free to come out of the vehicle.

Lift up on the plastic shroud above the air box to give extra clearance while carefully removing the air box.

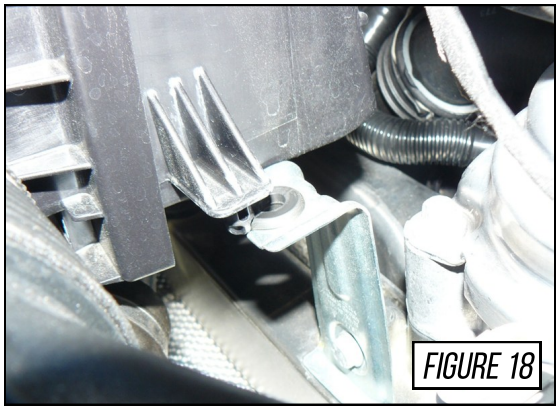

FIGURE 18

STEP 20

Pre-assemble the AWE S-FLO air box by first inserting each carbon tube into each filter.

Secure the tubes to the filters by using the supplied M5X.8 bolts. Use four bolts per filter and tube assembly.



FIGURE 19

STEP 21

Insert the tube and filter assemblies into the back of the AWE S-FLO air box and secure using three supplied M5X.8 bolts per side, at arrows in **Figure 20**.

Peel off the adhesive backing of the supplied gasket and stick the gasket into the groove on the front part of the AWE S-FLO air box.

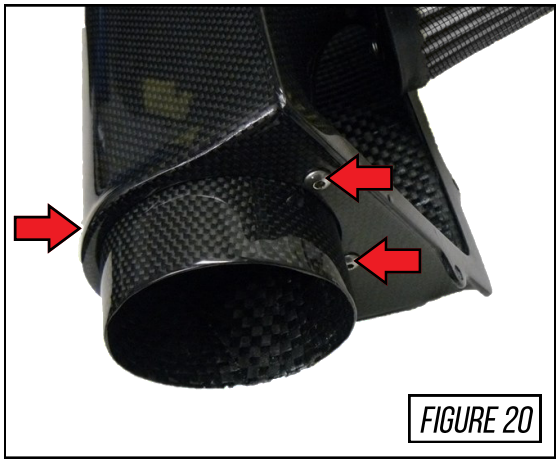

FIGURE 20

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STEP 22

Finish assembling the AWE S-FLO air box by lining up the front and back of the box and bolting it together with the supplied M5X.8 bolts.

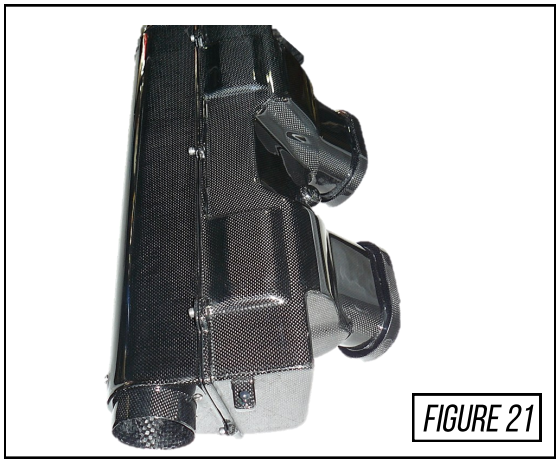

FIGURE 21

STEP 23

Install the assembled box into the engine bay, ensuring all lines are re-attached as per the stock configuration.

Insert the short end of the 5/16 hose barb into the removed air line hose, at arrow in **Figure 22**.

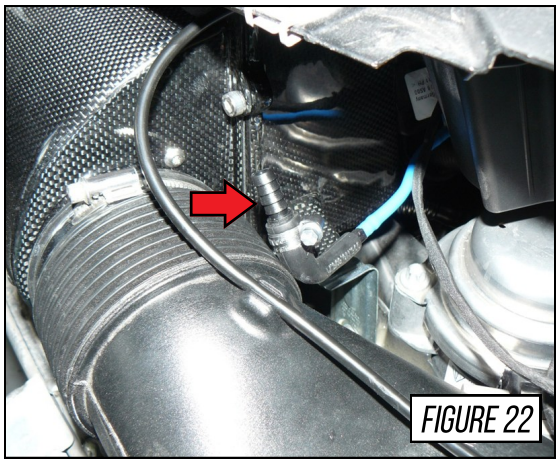

FIGURE 22

STEP 24

Install the supplied breather filter on the 5/16 hose barb as shown in **Figure 23**, and tighten the hose clamp.

Zip tie the hose to the air box mount.

Secure the AWE S-FLO air box using the factory mount locations and rubber grommets.

Seat the air inlet hoses fully and tighten the hose clamps.

Install the air lines above the air box using the mounts on the air box.

Installation of the balance of the factory parts is the reverse of removal.

For installation of center-lock wheels, refer to the factory owners manual.

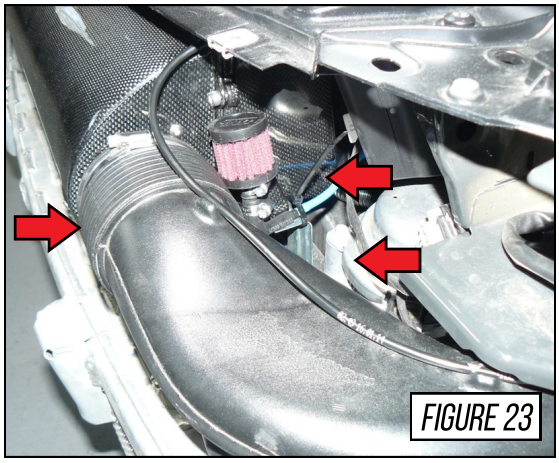

FIGURE 23

ENJOY!

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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.
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
199 Precision Drive
Horsham, PA 19044

215-658-1670
CONTACT FORM

WARRANTY

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

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