

AIRTEC MOTORSPORT Fitting Instructions

Vehicle:	BMW X3M / X4M
Product:	Front Mount Induction Kit
Part number:	ATIKBMW11 / ATIKBMW12



Kit Contents:

2x AIRTEC Motorsport Air Filters	4x M6x10mm Socket Head Bolts
2x Engine Cover Mounting Brackets	8x M5x30mm Flanged Head Bolts (black)
3x Mounting Brackets	8x M5 Nyloc Nuts
3x Pro Hoses Silicone Hoses	8x M5x15 Washers
3x Induction Hard Pipes	7x M6x15mm Washers
1x Large Billet Connector	1x Large Spring Clip
1x Small Billet Connector	1x Small Spring Clip
3x M6x12mm Socket Head Bolts	6x 90mm Jubilee Clips

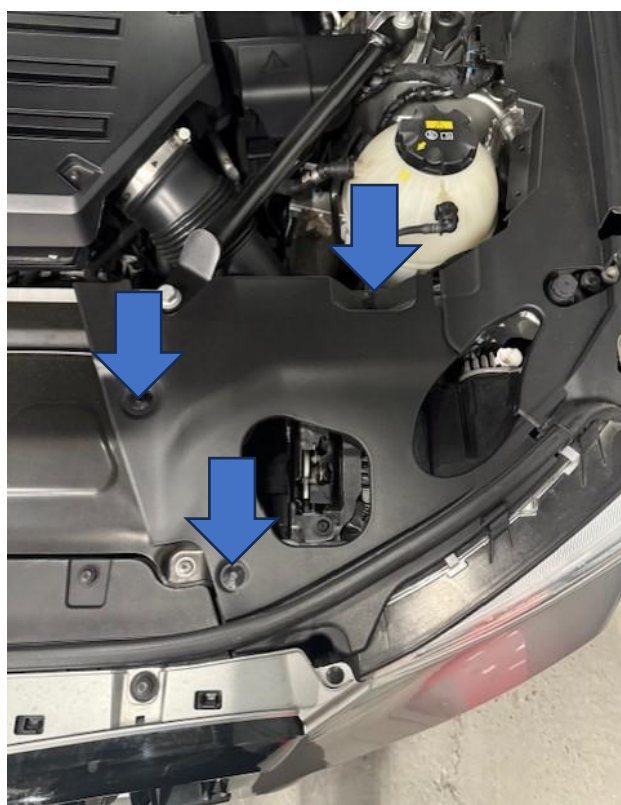
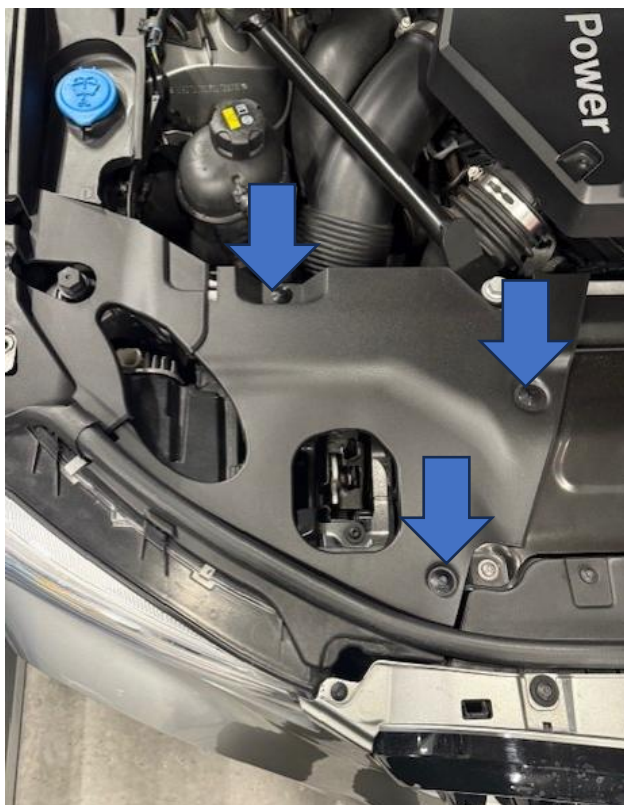
Tools Required:

Ratchet and Socket Set	Range of Trim Removal Tools
Torx Sockets	Long Flat-Head Screwdriver

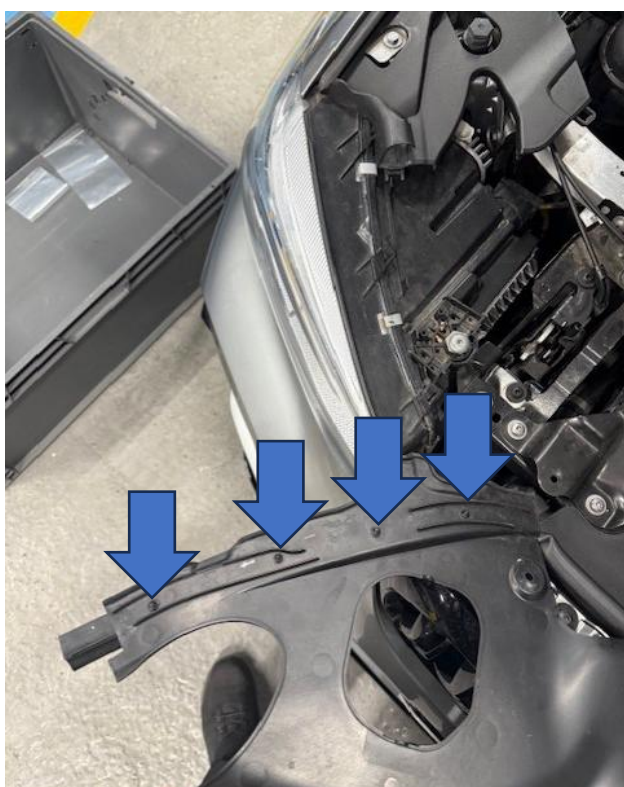
PLEASE THOROUGHLY READ THESE INSTRUCTIONS AND MAKE SURE YOU ARE FAMILIAR WITH THE STEPS BEFORE CARRYING THEM OUT

Instructions:

1. Start by removing the three push fittings on each side to loosen the slam panel covers over the headlights (these will not be removed yet).



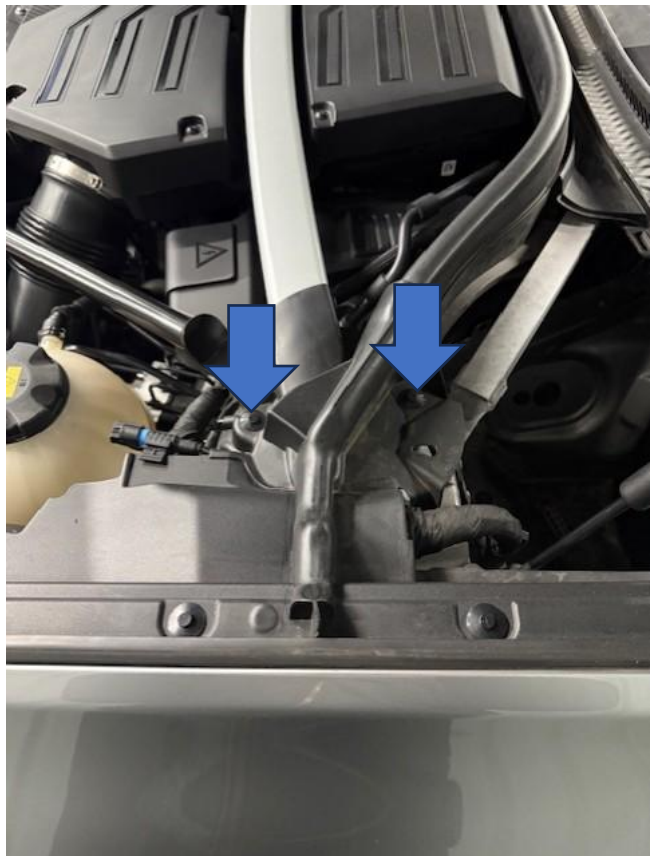
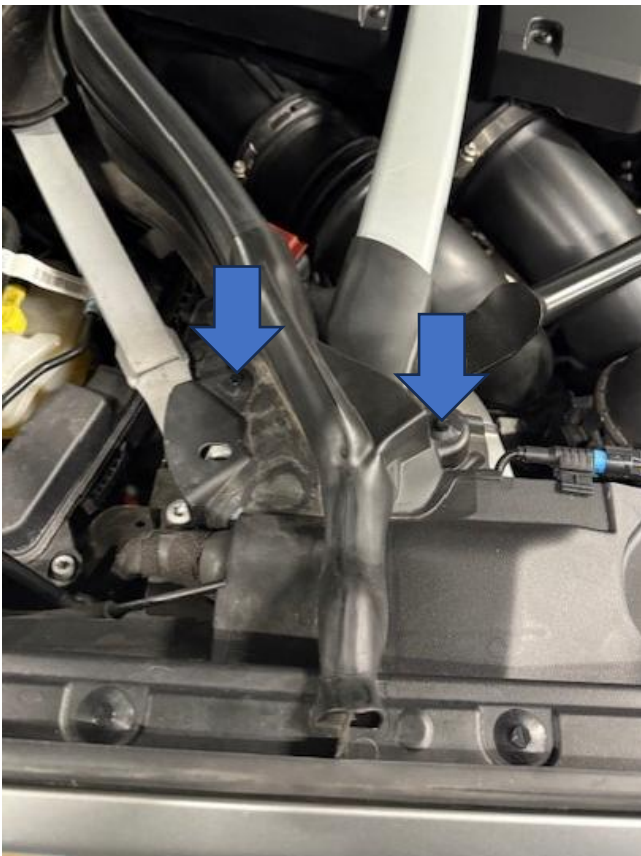
2. Once loose, rotate the trims 180 degrees and unclip the rubber bonnet trim that's attached to it. Repeat for the right-hand side and remove both panels and the bonnet trim from the car.



3. Remove both rear trim panels next to the bonnet hinges by rotating the small tabs (blue arrows) and lifting them and away from the engine.



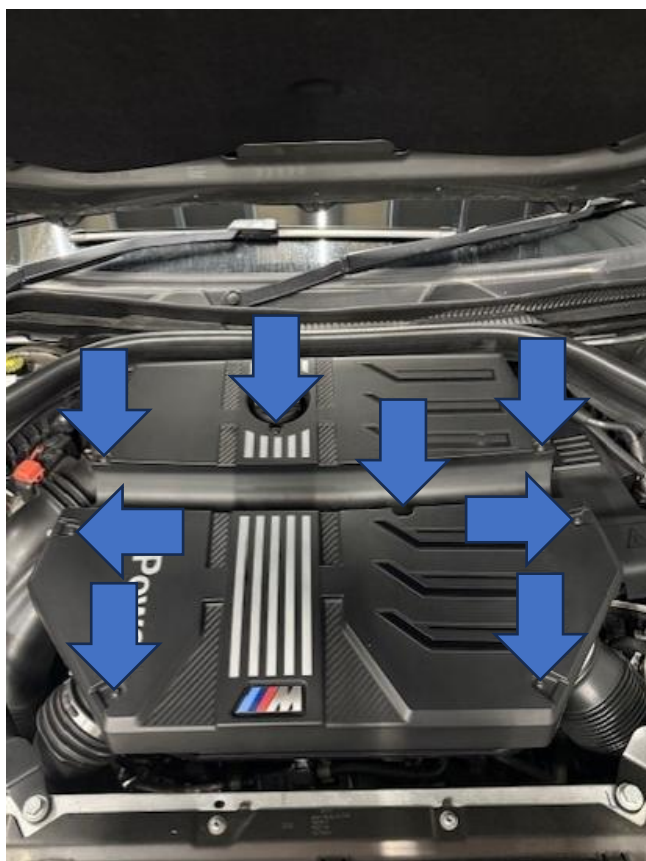
4. Locate the two plastic push fittings on each side that secure the rubber covers by the strut brace.



5. Lift the rubber covers up and undo the two 13mm nuts on each side to remove the strut brace.



6. Undo the eight T20 Torx bolts on top of the engine cover/air box. Then remove the lid from the car.



7. Next, release all the pipework connected to the air box by loosening the four jubilee clips; three on the left (blue arrows) and one on the right (orange arrow).



8. At the back of the original air box, remove the two rubber push fittings using a trim removal tool.



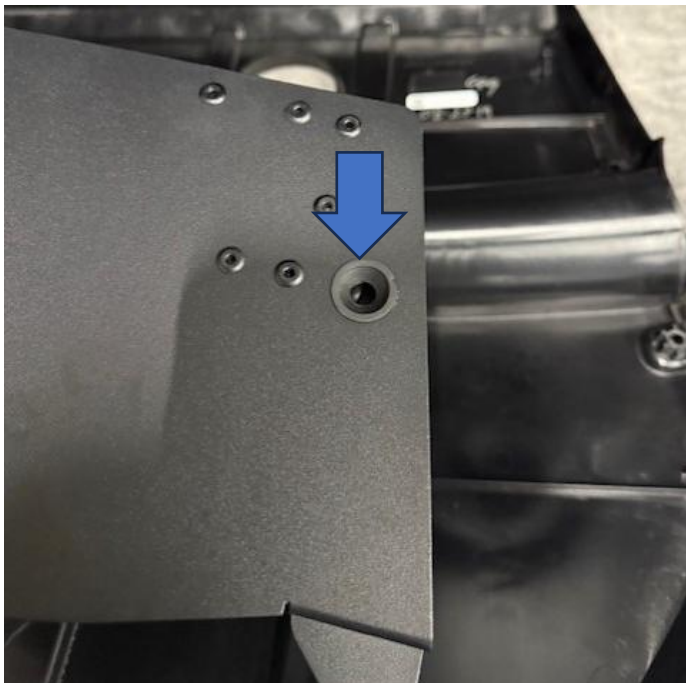
9. Now firmly but carefully pull the air box base up to release it from the rubber push fittings in each corner.
Please note: We recommend removing the oil filler cap to ensure it is not damaged during removal.



10. Carefully flip the original air box base over and remove the four rubber inserts. This does require some force, so we recommend using a strong trim removal tool and some spray lubricant to help.



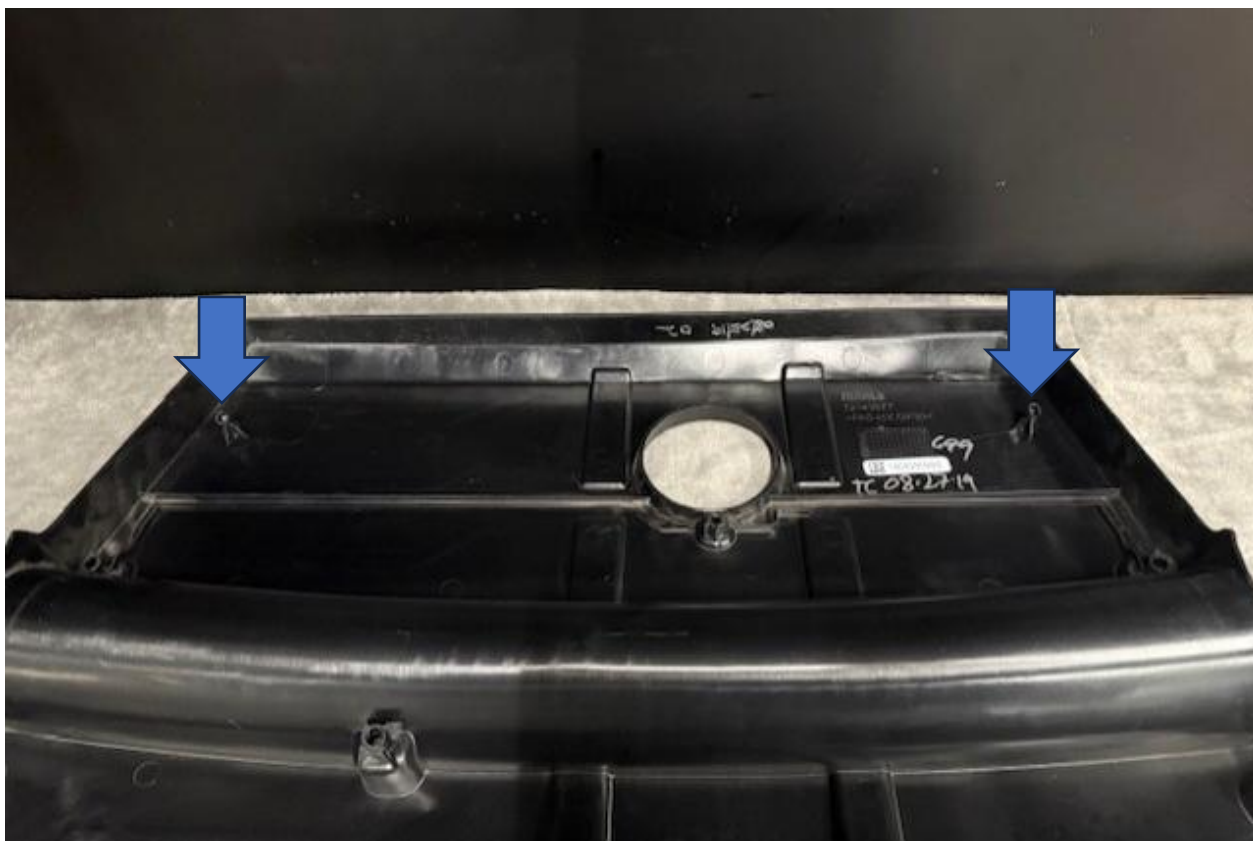
11. Now take the rear engine cover mounting bracket supplied in the kit and install the two rubber push fittings removed in Step 8 as shown.



12. Carefully place the engine air box lid removed in Step 6 down on soft material to avoid scratching it.

Please note: It is very easy to scratch so be very careful.

Now place the rear engine cover mounting bracket onto the air box lid and line the fittings attached in the last step over the posts (blue arrows). Then push down until they are fully seated, as shown.



13. Once in place, secure the rear engine cover mounting bracket to the air box lid using three of the black M5 bolts, washers and Nyloc nuts supplied in the kit.



14. Now repeat the process for the front engine cover mounting bracket, only this time there are five bolts, washer and nuts to secure.



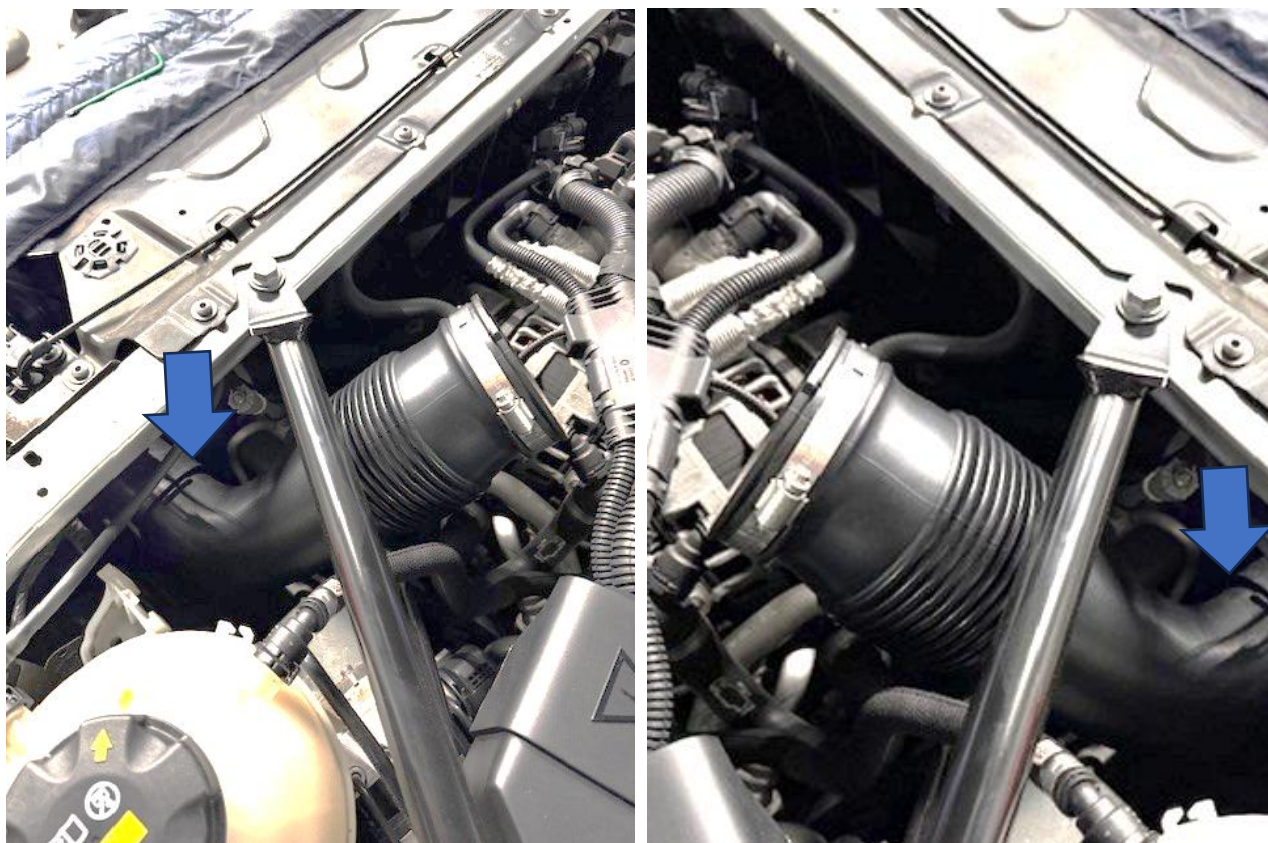
15. Take the four rubber push fittings removed in Step 10 and install them onto the AIRTEC Motorsport brackets, as shown. **Please note:** Some force is required to refit them.



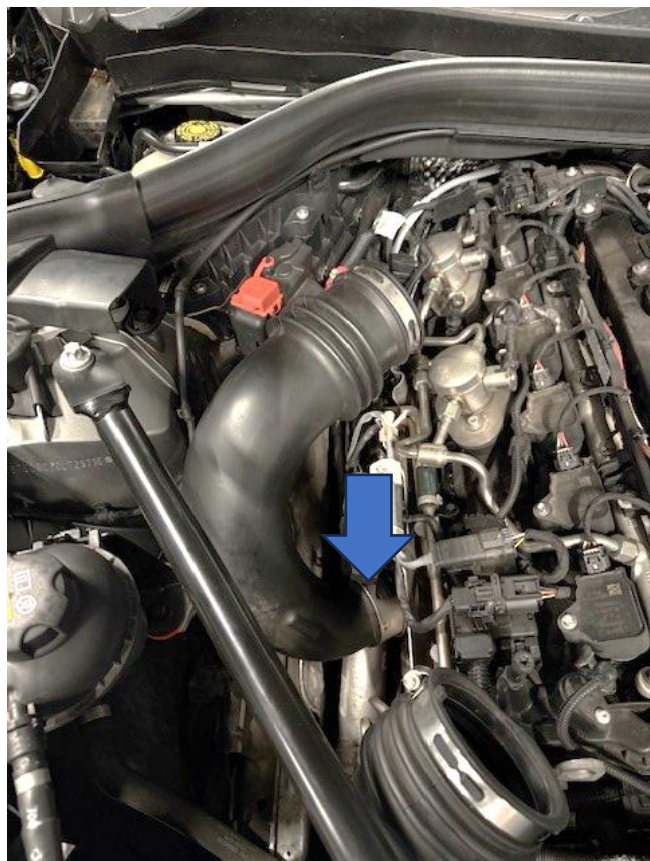
16. Now install the AIRTEC Motorsport crossover pipe. Use the four M6x10mm Socket Head bolts with washers supplied in the kit to secure in place. Make sure its mounted in the correct orientation, as shown.



17. Use a small trim removal tool to release both front air feed pipes, which are clipped into the front air ducts.



18. Locate the rear turbo hose connector and release the original spring clip. Once released, pull the connector and pipe away from the turbo inlet.



19. Unclip front turbo connector and hose in the same way as the rear. Once the pipes are removed, cover the turbo inlets until you are ready to install the AIRTEC Motorsport induction pipework and hoses.



20. With the turbo connectors out, remove the original O-rings from inside. **Make sure to take note of the O-ring's exact fitment and orientation** of the as they need to be installed again in the correct way.



21. Install the O-rings with the AIRTEC Motorsport spring clips supplied in the kit into each of the turbo connectors.

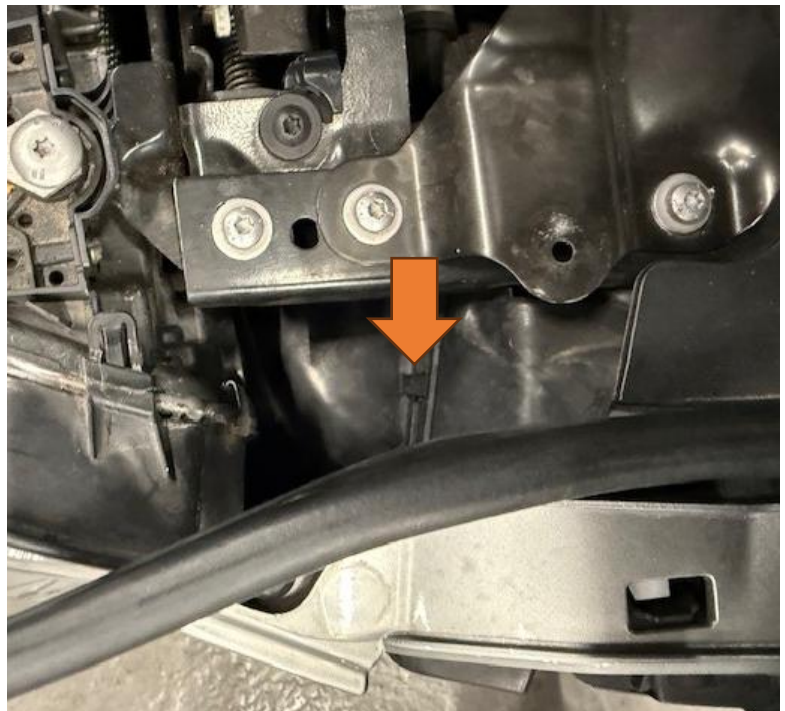
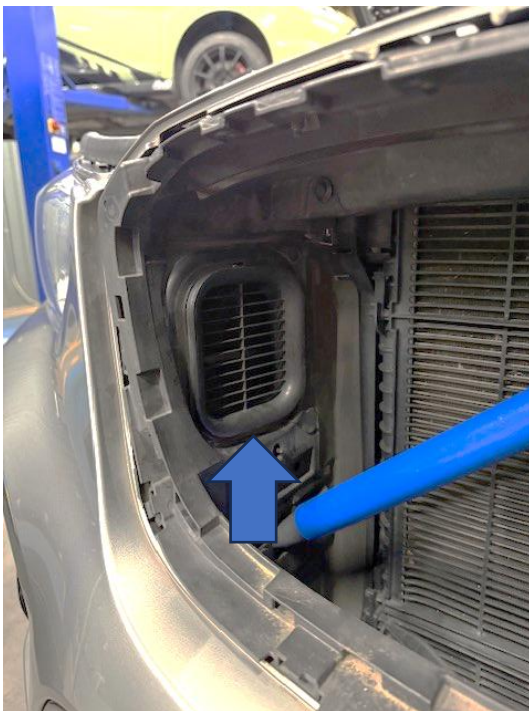
Please note: There are two sizes of clip so please ensure the correct one is fitted to the correct connector.



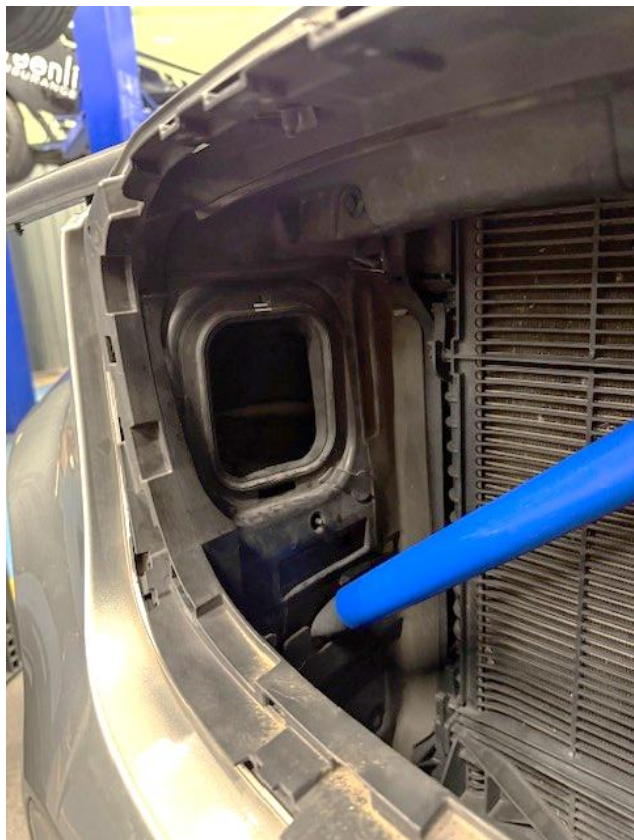
22. Use a slim trim tool or flat headed screwdriver to release the clips around the front grilles. Once these are loose, carefully pull the grilles to remove them from the front bumper.



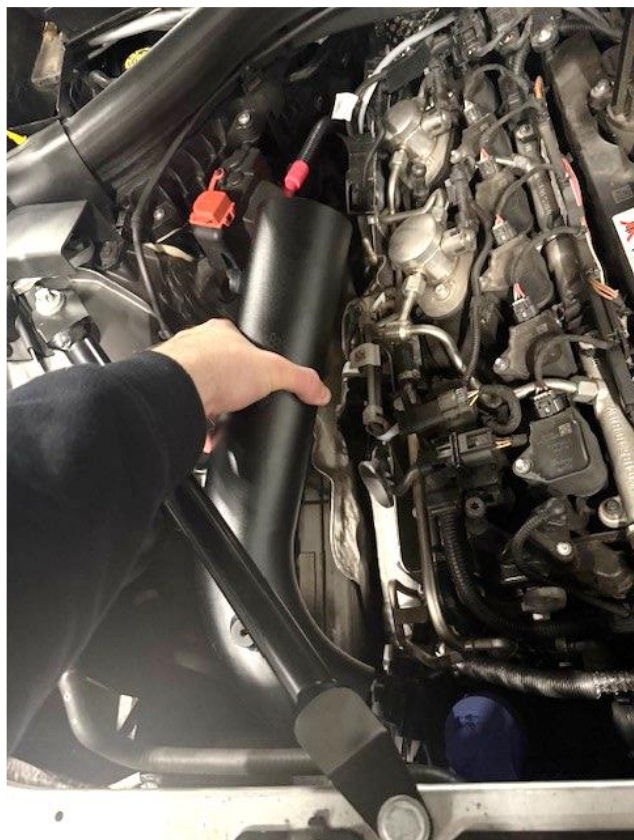
23. Remove the front air feed covers from inside the bumper by releasing the tab at the bottom (blue arrow) and the small clip on top (orange arrow), accessed from the engine bay.



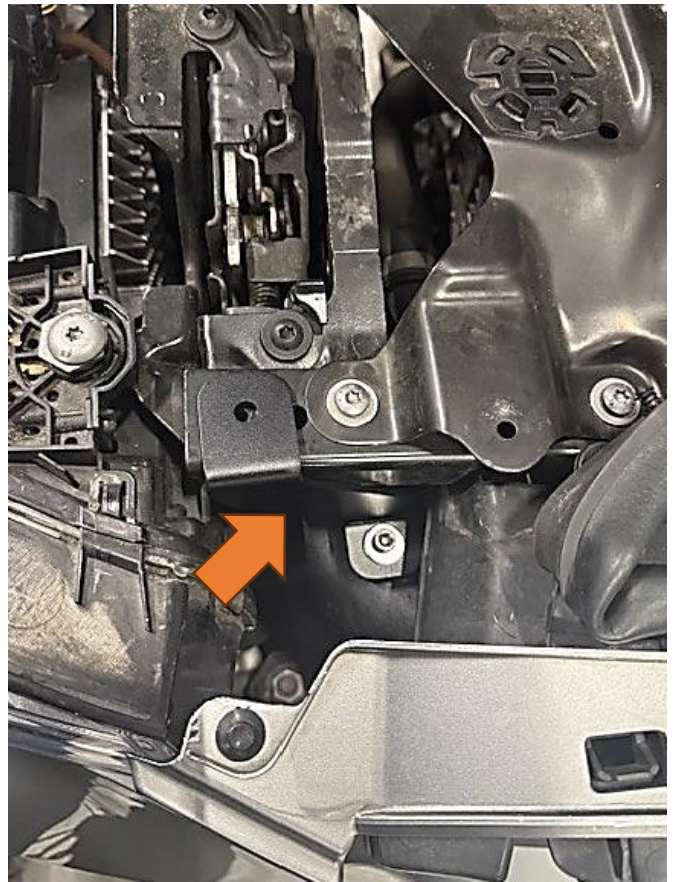
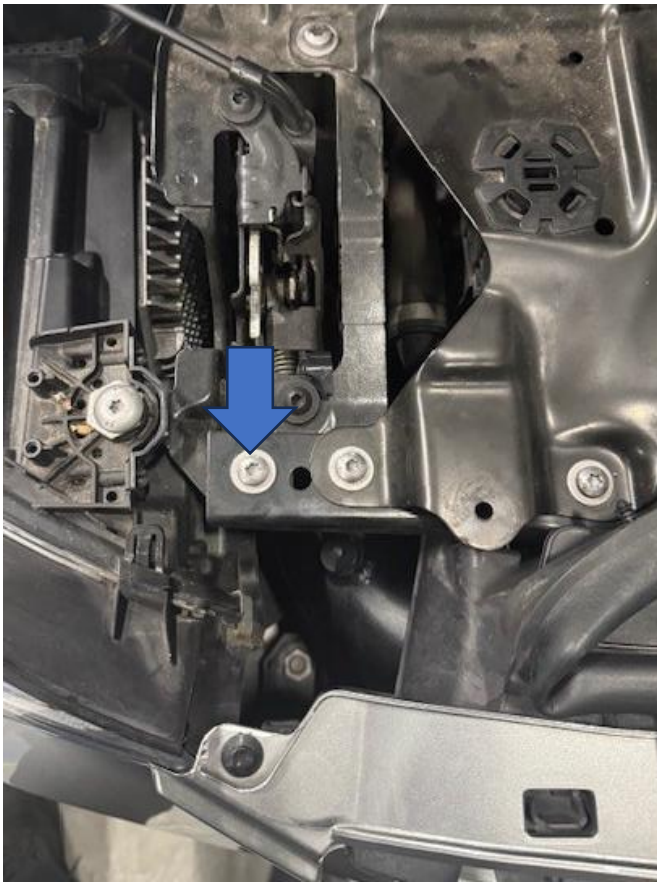
24. Now release the front mesh sections of the air feeds by pushing them out of the rubber surrounds and unclipping the top tabs in the engine bay.



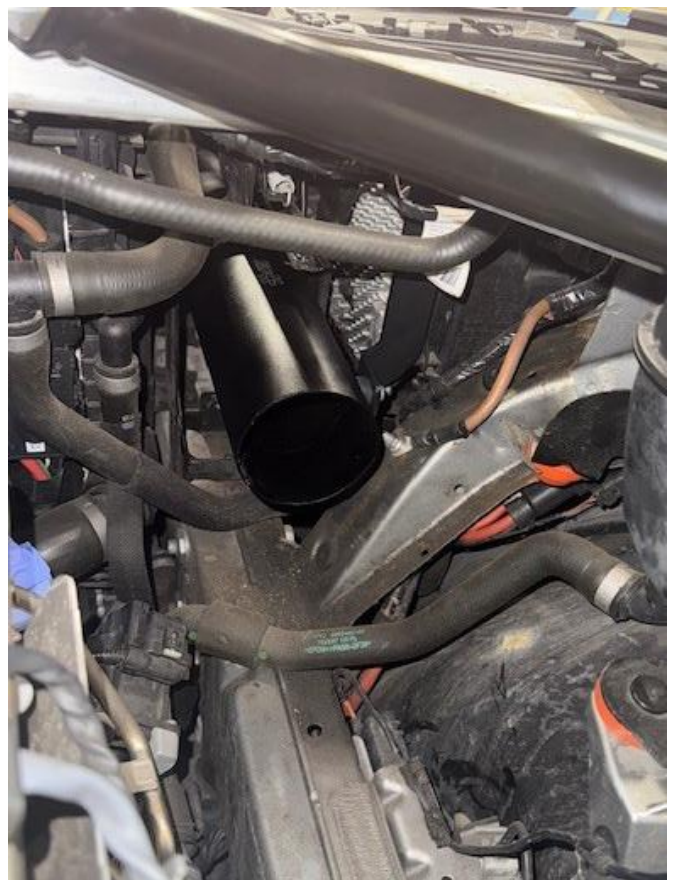
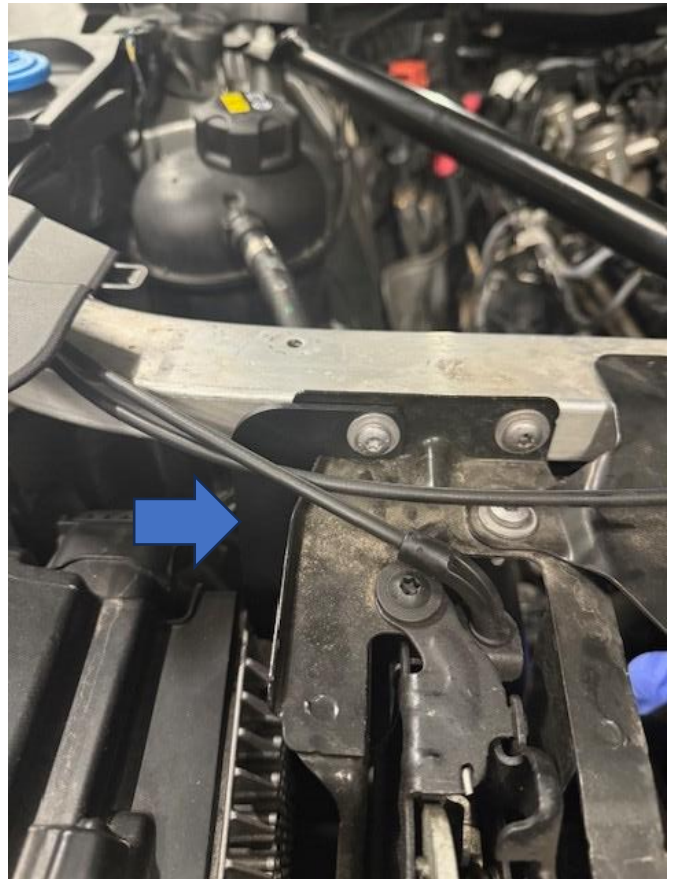
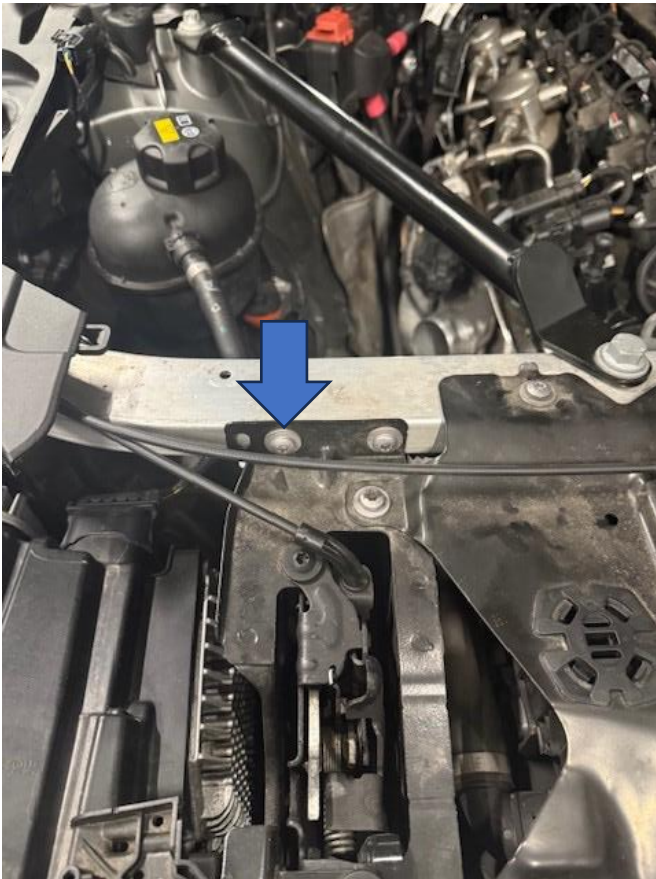
25. Take the larger of the two front AIRTEC Motorsport pipes supplied in the kit and install in the left-hand side of the car by feeding the pipe down from the engine bay, as shown. **Make sure the end comes out through the radiator surround as shown**, before then twisting the pipe to locate the rear into location.



26. To secure the pipe, remove the left-hand T30 Torx bolt on the slam panel, as shown (blue arrow). Then fit the left-hand mounting bracket supplied in the kit as shown (orange arrow) and secure it to the mounting boss on the induction pipe with an M6x12mm Socket Head bolt and washer provided. You can then reinstall the T30 Torx bolt.



27. Now remove the left-hand T30 Torx bolt from the bonnet hinge (blue arrow). Then install the long mounting bracket in place with the narrow part at the top, as shown. Secure to the second mounting boss on the induction pipe with an M6x12mm Socket Head bolt with washer supplied in the kit.



28. Now install the rear turbo connector, making sure the clip seats correctly into the groove and then install the silicone hose supplied in the kit between the induction pipe and connector, as shown. Secure it in place with two of the 90mm jubilee clips provided.



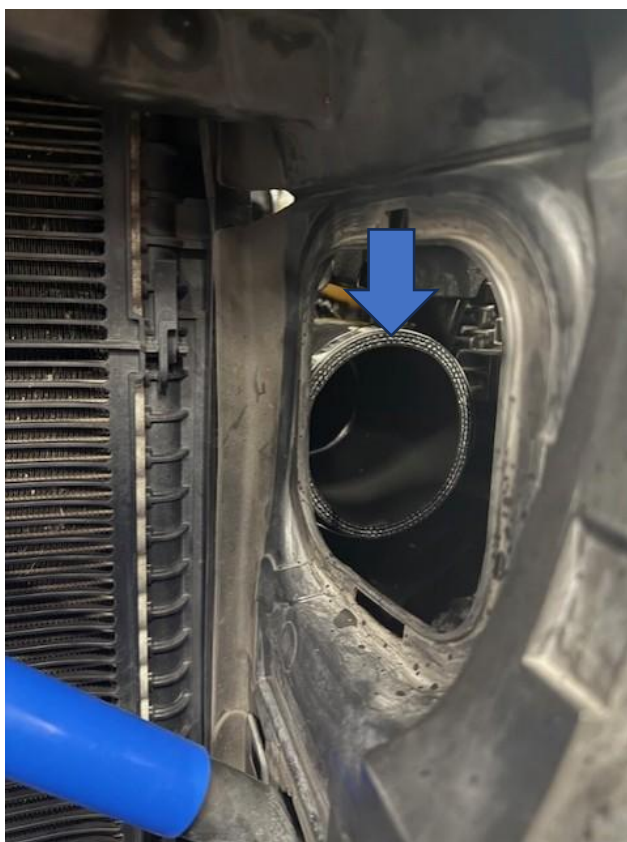
29. Now do the same for the front turbo connector and install the silicone crossover hose as shown. Secure with two more of the 90mm jubilee clips supplied in the kit.



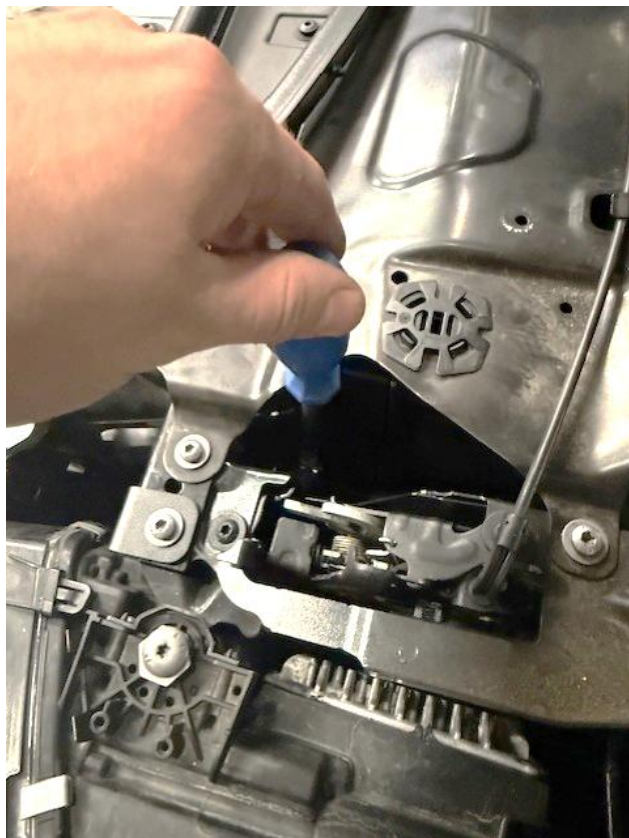
30. At this stage, refit the air box lid and pipe assembly onto the engine, ensuring it locates on the original plastic engine mounting posts. The assembly should press in place with a firm push in each corner. At this point, you should then test fit the strut brace to make sure it's sitting in the correct position.



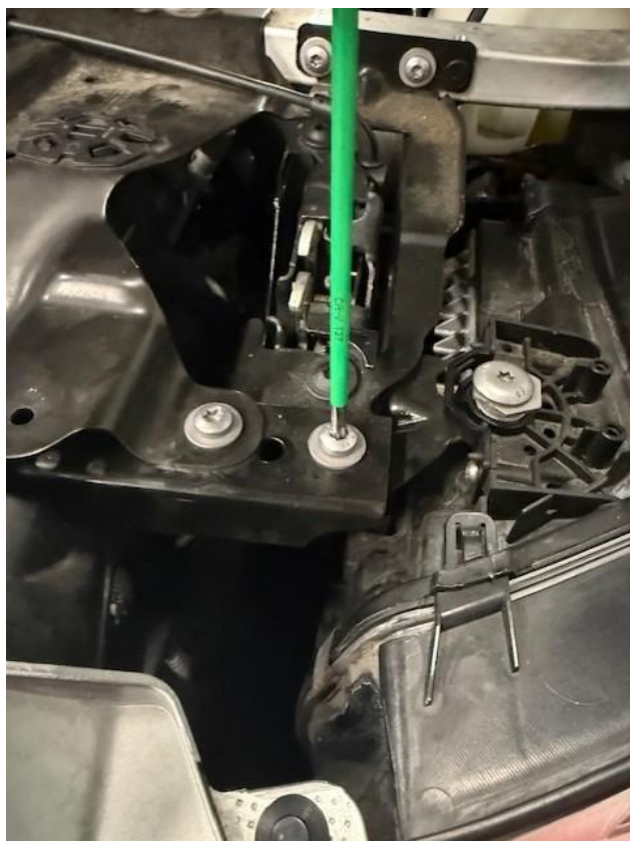
31. Now install the remaining silicone hose onto the right-hand side of the centre induction pipe by feeding it down from the engine side and through to the front, as shown. Secure in place with the 90mm jubilee clip provided in the kit.



32. Take the remaining induction pipe and locate it through the radiator surround to the silicone hose using a jubilee clip provided to secure. Tighten the clip from the top, as shown.



33. Now install the right-hand mounting bracket by repeating Step 26.



34. You can now install both of the air filters, as shown.



35. Finally reinstall all the trim panels, strut brace and front grilles in reverse of removal.

