

# Suzuki Swift ZC33S Induction Kit

## Fitting Instructions

### Tools Required:

- Ratchet and Socket Set
- Allen Key Set
- Jubilee Flexi-Driver or Flat-Blade Screwdriver
- Cross-Head Screwdriver
- Hose Clamp Pliers

### Kit Contents:

- 1x AIRTEC Motorsport Induction Shield
- 1x Pro Hoses Silicone Hose Kit
- 1x Alloy Pipe Kit
- 1x AIRTEC Motorsport Air Filter
- 4x AIRTEC Motorsport Mounting Brackets
- **Fitting Kit:**
  - 11x M6 x16mm Socket Head Bolts
  - 4x M6x12mm Socket Head Bolts
  - 1x M6 Nyloc Nut
  - 14x M6 Large Washers
  - 2x M6 Pan Washers
  - 2x M4x12mm Socket Head Bolts
  - 2x M4 Pan Washers



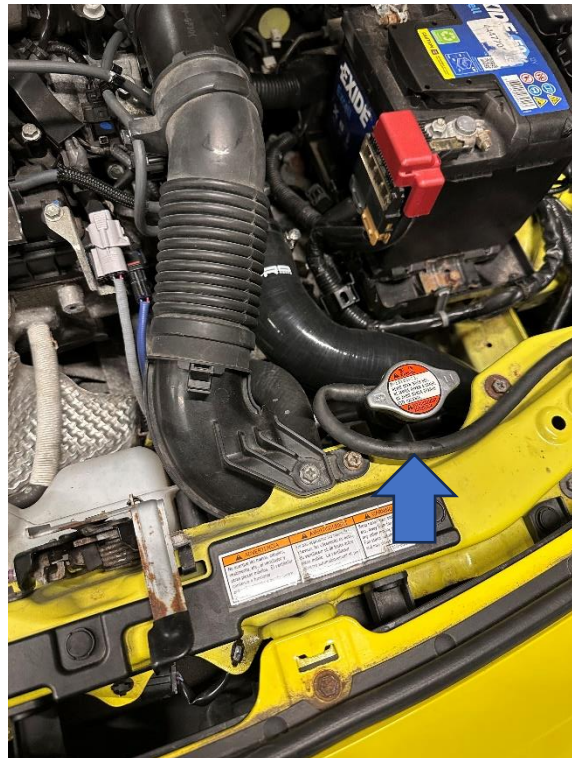
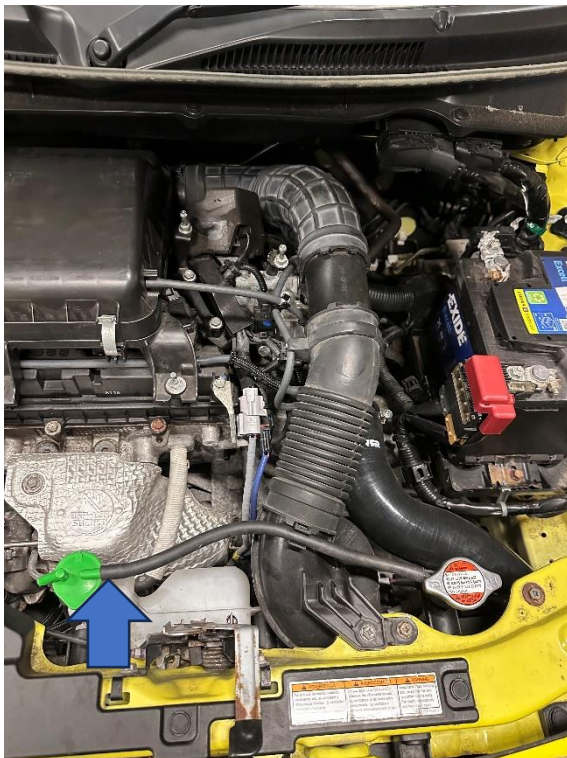
PLEASE THOROUGHLY READ THESE INSTRUCTIONS AND MAKE SURE YOU ARE FAMILIAR WITH THE STEPS BEFORE CARRYING THEM OUT

# Instructions

1. Open the bonnet and remove the engine cover by lifting it from the bottom corner and pulling it up to remove it from its mounts. This is not reused once installation is complete.

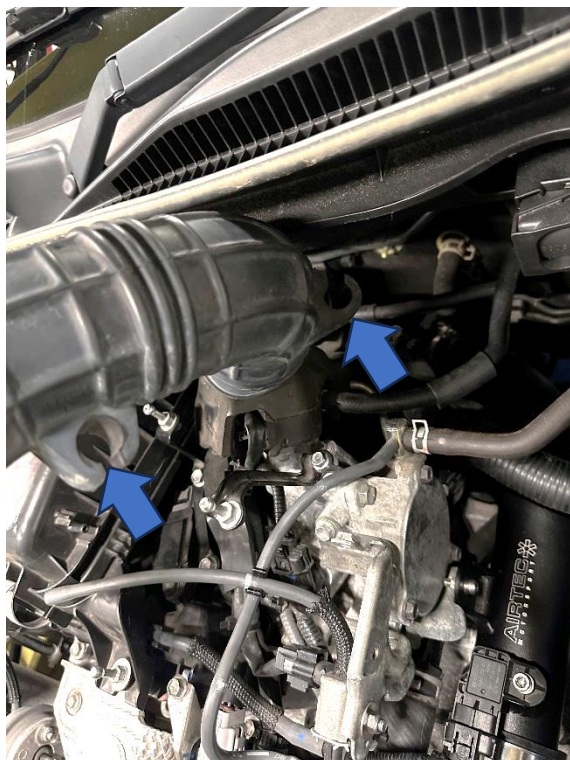
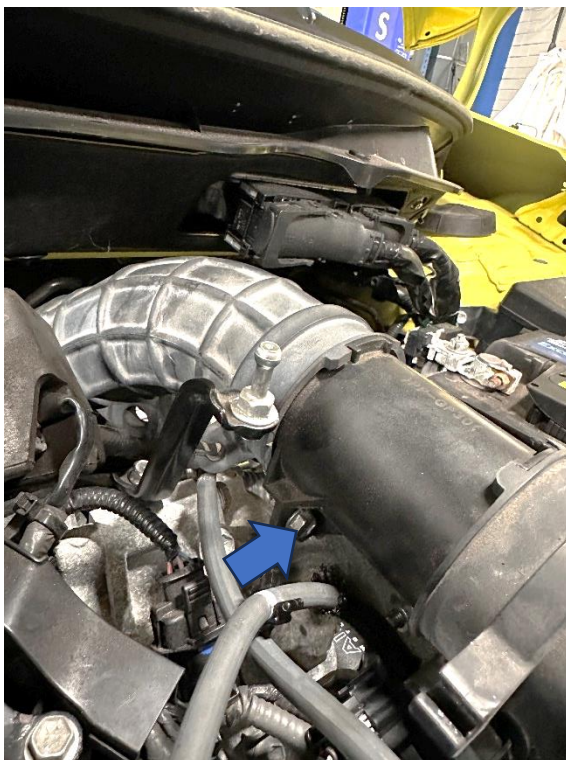
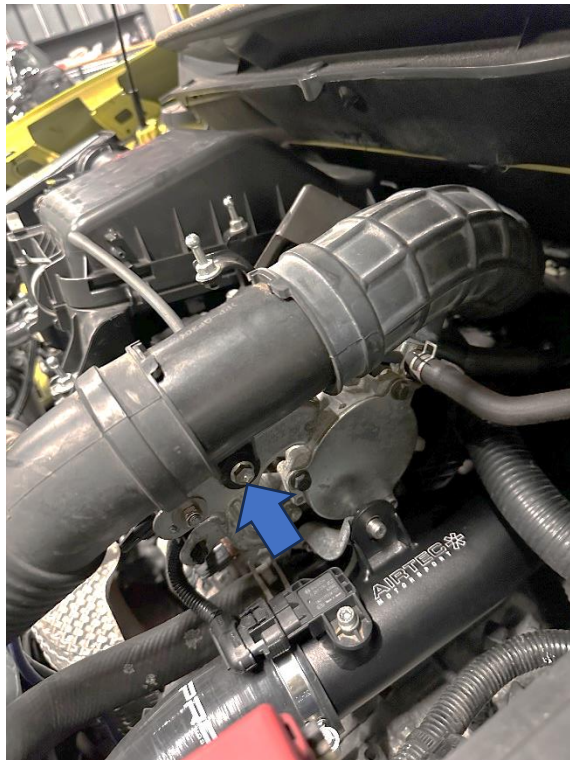


2. Remove the hose going to the coolant bottle and tuck it out the way, there may be a little coolant that spills as you disconnect it.



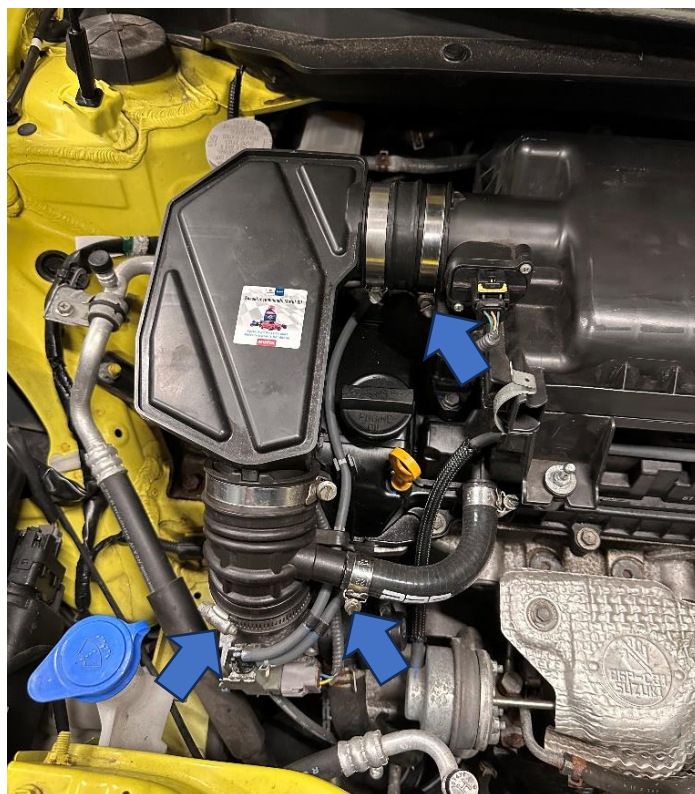


3. Remove the standard air feed by undoing the two 10mm bolts holding the plastic air guide to the front slam panel, followed by undoing the two 10mm bolts holding on the centre plastic pipe to the engine. You will need to unhook the vacuum piping in two places and then you will be able to remove the whole assembly as one. As you pull it away from the air box you will need to unhook two more pipes not visible from the top.

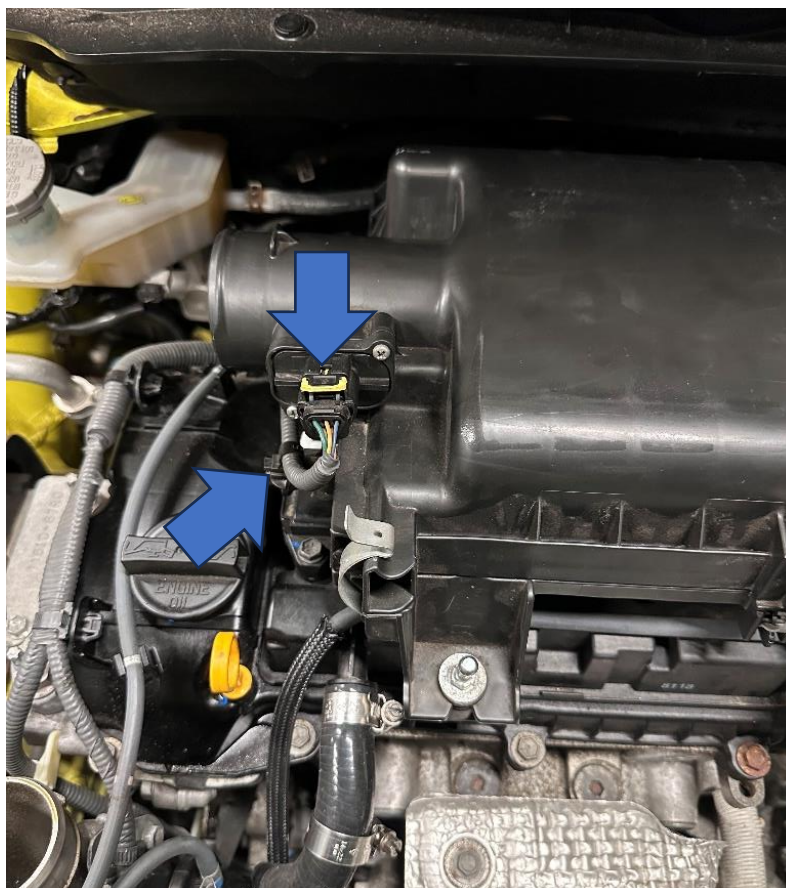




4. Remove the hose going from the air box to the turbo by undoing the jubilee clips. **Please note:** this car is fitted with the AIRTEC Motorsport breather hose kit; if fitted with the standard hose you will need hose clamp pliers to remove.

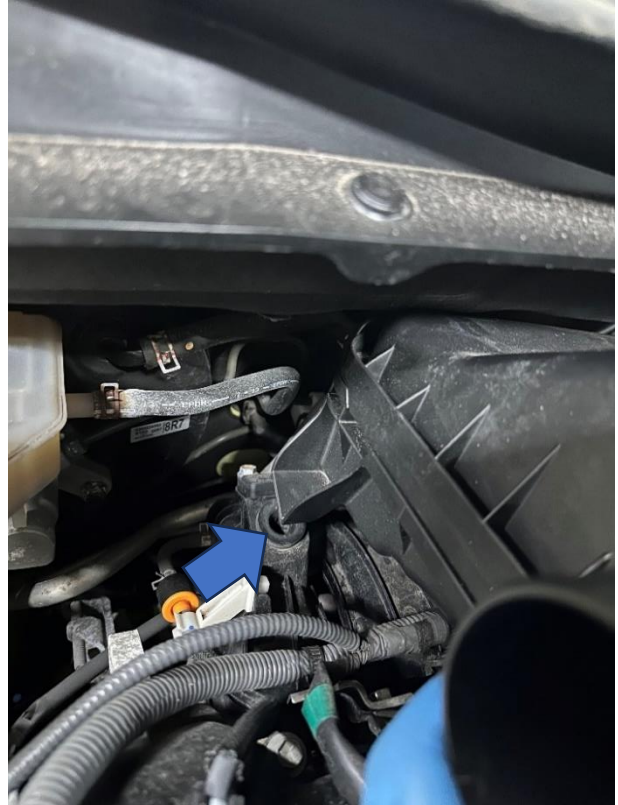


5. Unplug the MAF sensor and unclip the wiring harness to the left-hand side of it.

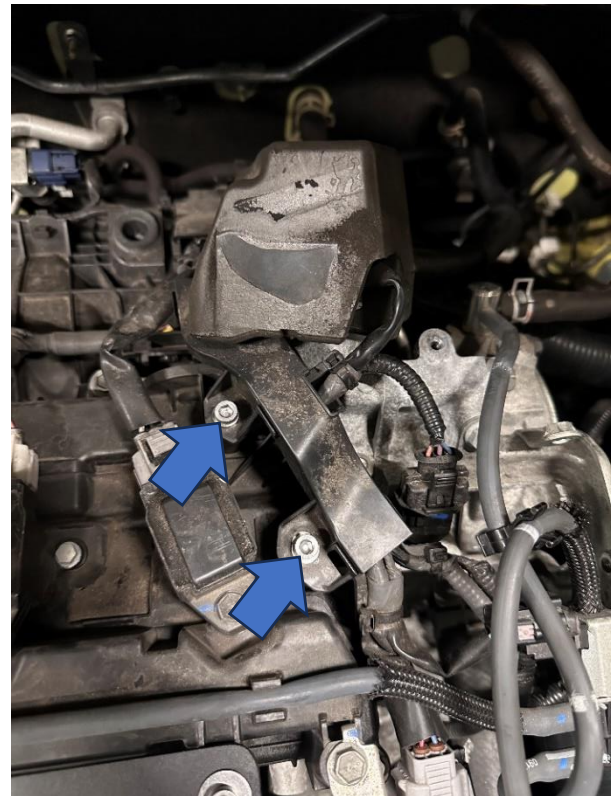
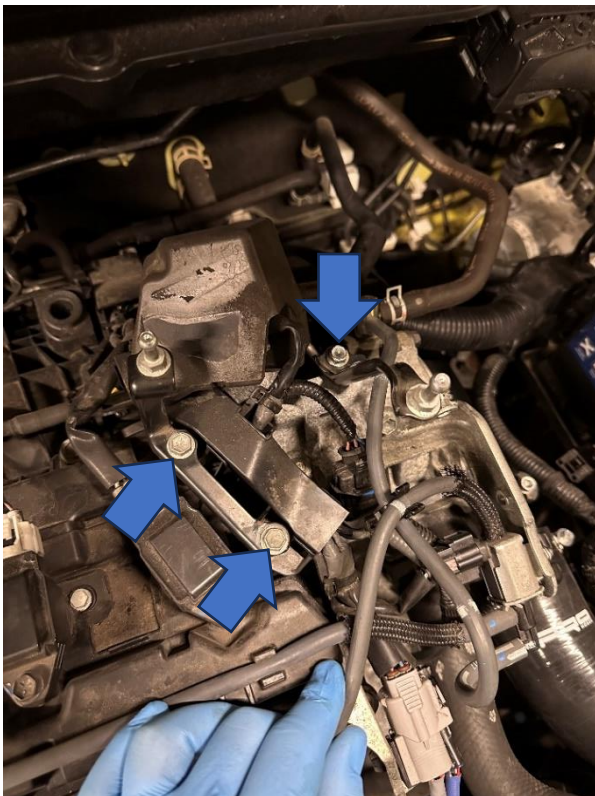




6. Undo the two front engine cover posts using a deep 10mm socket and remove the vacuum hose on the right-hand side of the air box. You can then you can lift the air box assembly up and towards you, releasing it from the two rubber mounts.

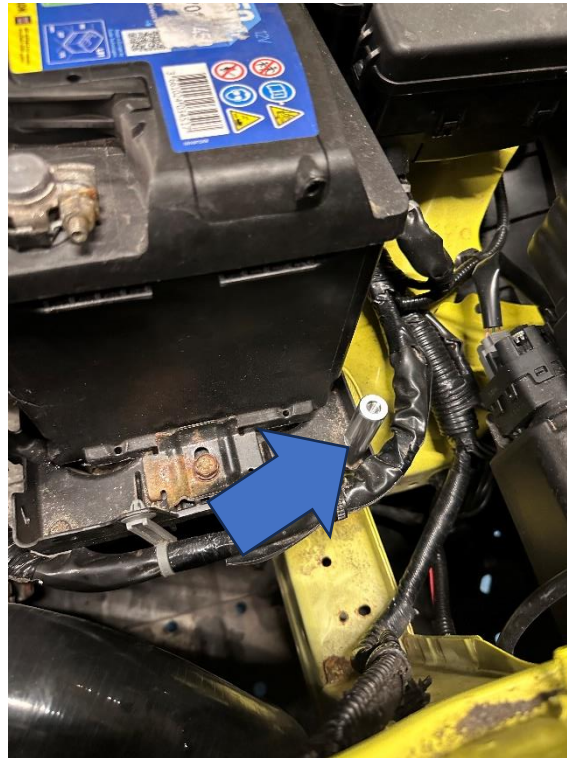


7. Remove the engine cover mounting posts from the car by undoing the 10mm bolts. Then install the two M6x16mm Socket Head bolts with washers where the post were to resecure the wiring harness.

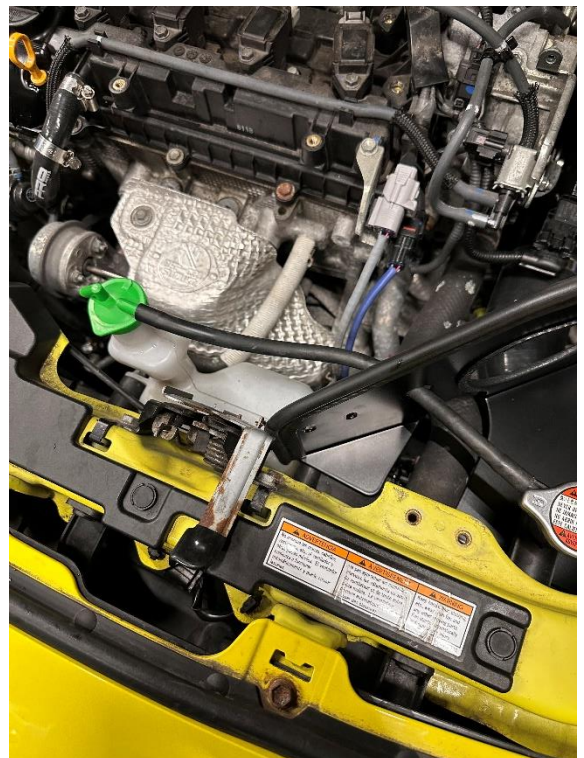
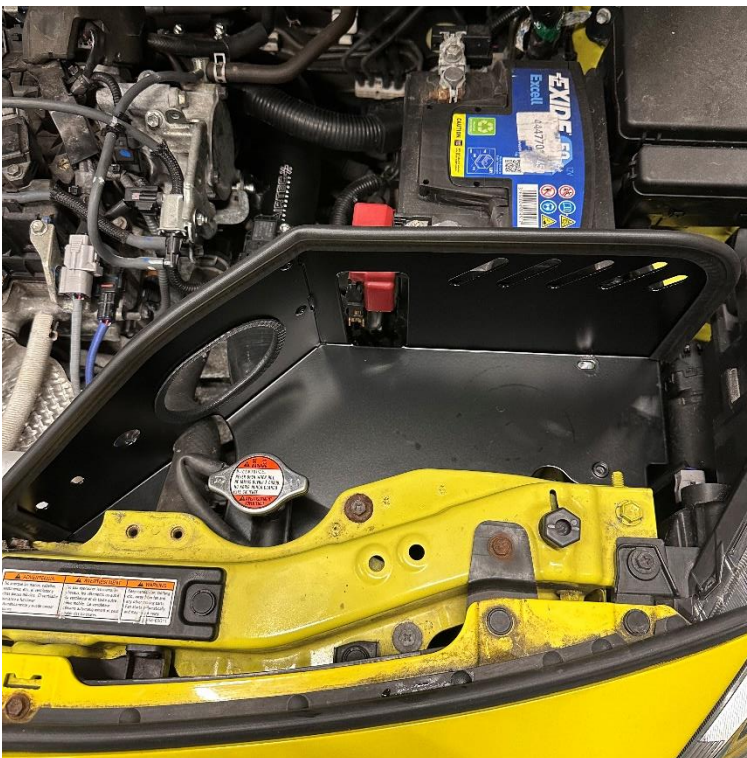




8. Now install the induction shield firstly you will need to install the supplied spacer with a M6x16mm Socket Head bolt and large washer, use a 13mm spanner to hold the spacer whilst you tighten the bolt.

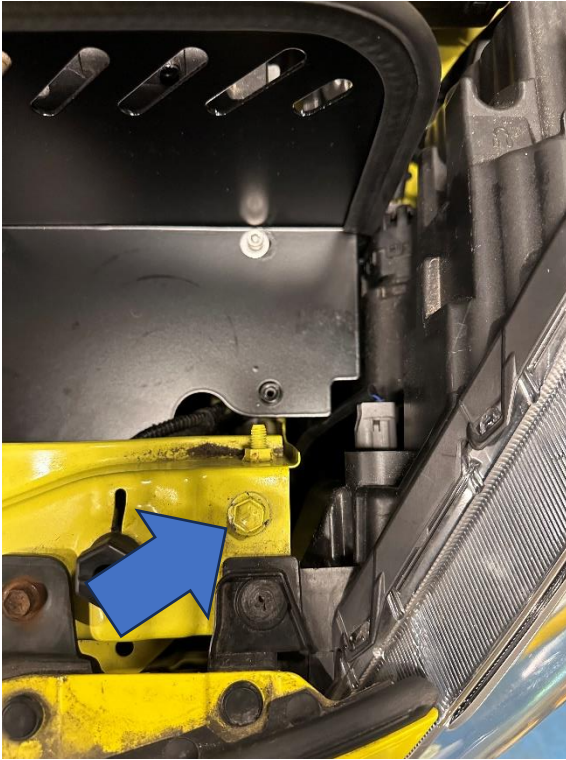


9. The induction shield can now be positioned in place. You will need to angle the front down as you move it into position and then install an M6x16mm Socket Head bolt with washer through the hole at the back and into the threaded spacer. The coolant hose removed in Step 2 can now be reinstated through the hole in the induction shield.





10. Install the right-hand bracket by undoing the 12mm bolt on the front slam panel, positioning the bracket in place and reinstalling the bolt along with a M6x16mm Socket Head bolt and large washer to the shield. Do not fully tighten these bolts at this stage.



11. Now install the left-hand side bracket using the four M6x16mm Socket Head bolts with large washers as pictured. Once happy with the induction shield position, proceed to tighten all the bolts.

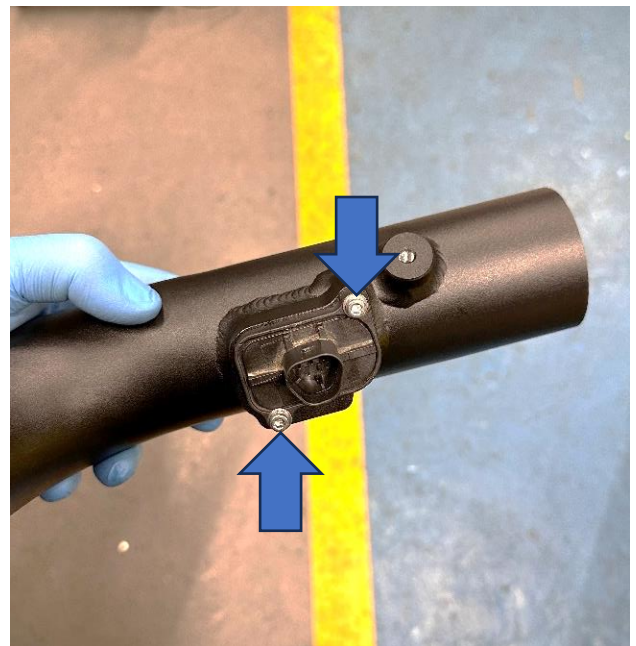
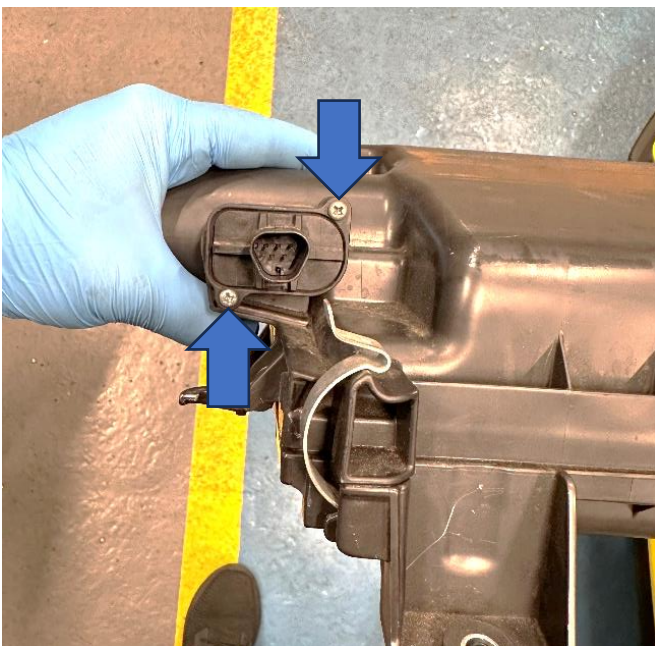




12. Remove the plastic take-off from the original intake hose going from the turbo to the air box by twisting and pulling it. Then install it into your new intake hose and secure in place using the supplied jubilee clip. **Please note: The optional Pro Hoses replacement breather silicone hose is shown here.**

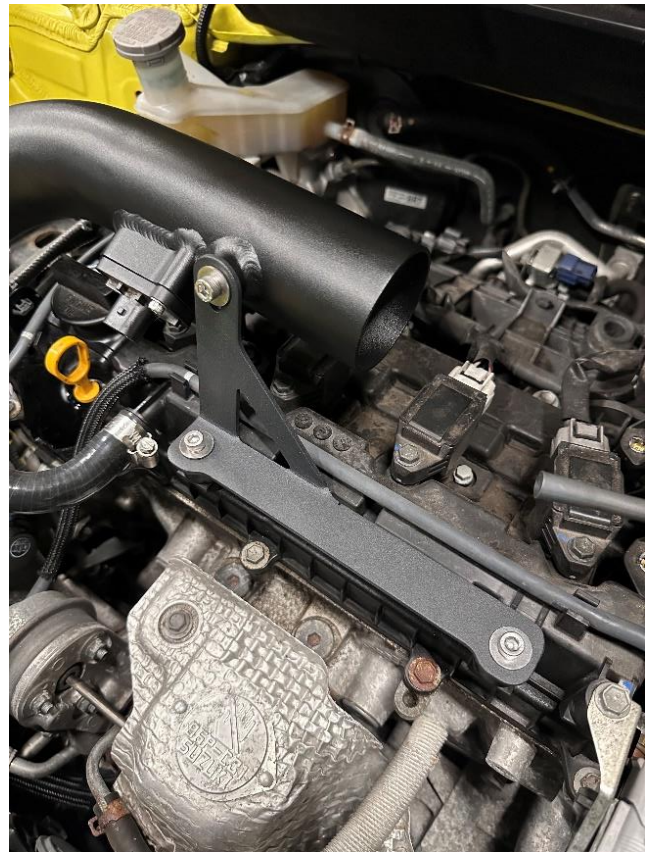


13. Remove the MAF sensor from the original air box using a cross-head screwdriver and then reinstall it into your new MAF pipe using the supplied M4 bolts and washers.

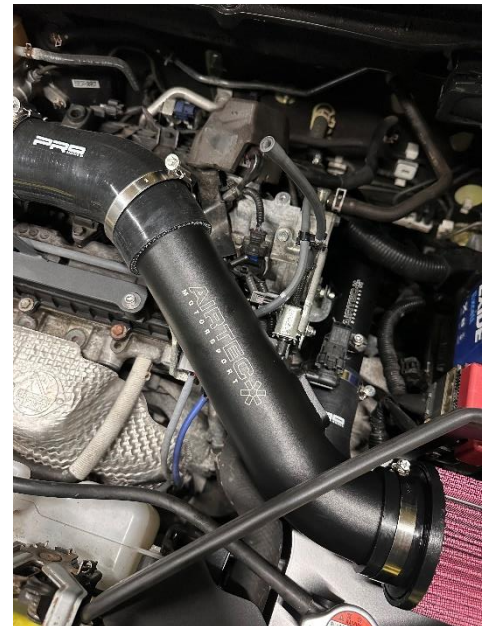




14. Install the pipe shown into the silicone hose with a jubilee clip, then secure the bracket shown to the engine using two M6x16mm Socket Head bolts with large washers and an M6x12mm Socket Head bolt with a large washer to secure the bracket to the pipe, but do not fully tighten this bolt yet.

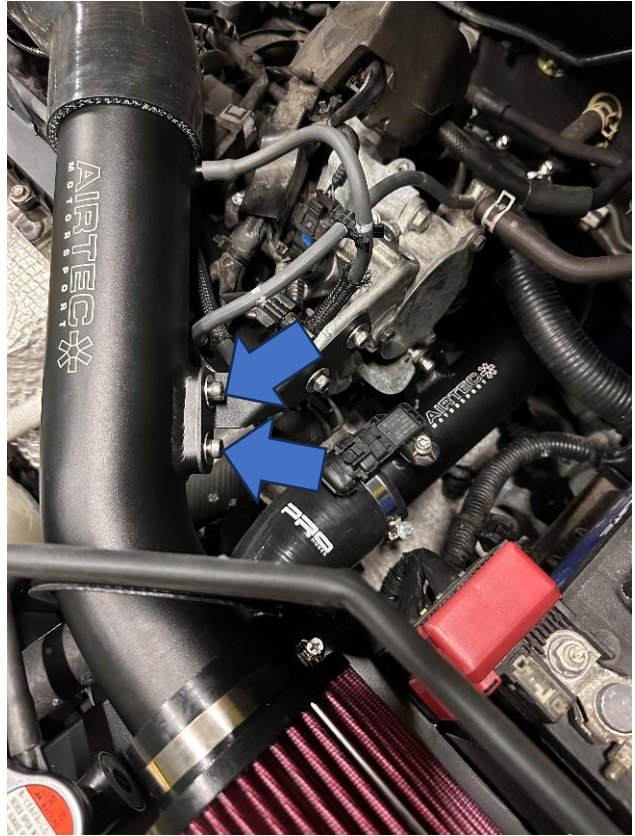


15. Fit the supplied silicone hose onto the MAF pipe as shown and then place the air filter in the induction shield. Position the remaining pipework through the induction shield and locate into the filter. The other end can then be fitted to the silicone hose with a jubilee clip but do not fully tighten yet.





16. Attach the vacuum line removed in Step 3 onto the new alloy pipe and install the last bracket onto the car by undoing the nut (blue arrow) and then positioning the bracket and fixing it into place with the supplied Nyloc nut and M6x12mm Socket Head bolt with large washers both sides (orange arrow). The bracket can then be attached to the pipe using the remaining M6x12mm Socket Head bolts with large washers.



17. Finally, once happy with the position of the induction kit, proceed to tighten all the bolts and jubilee clips.

