



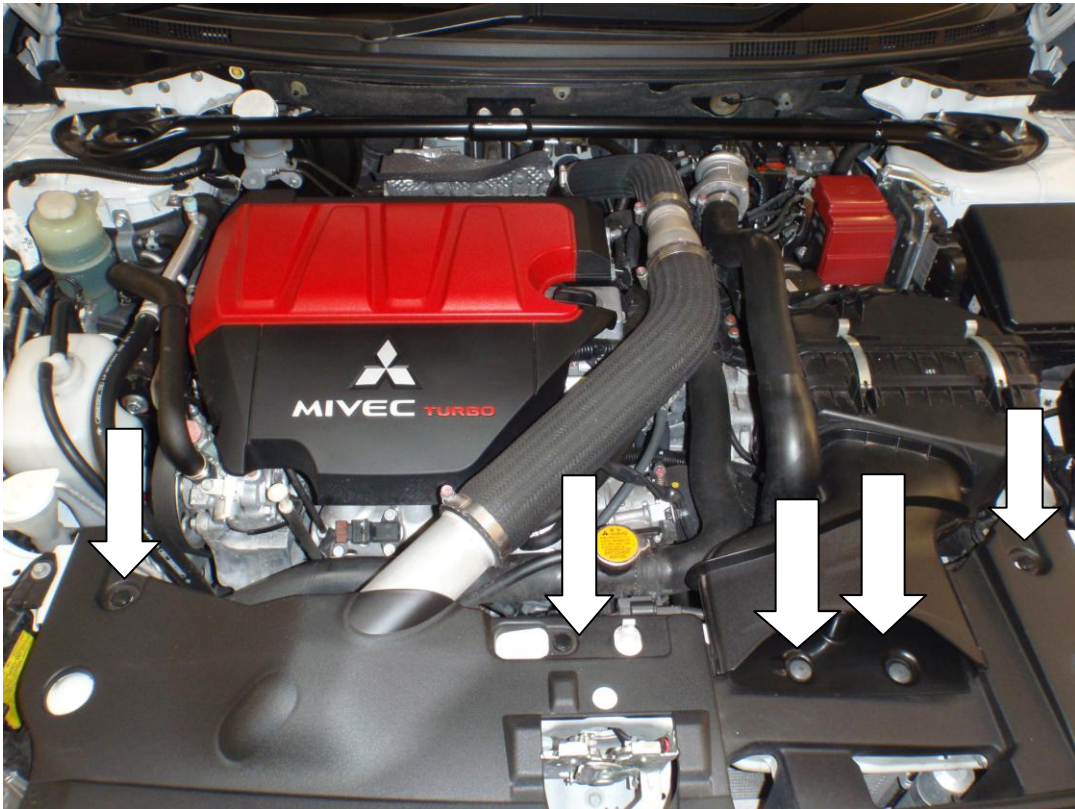
Mitsubishi Evo X Front Mount Intercooler fitting Instructions



TOOLS REQUIRED:

- Philips screwdriver
- Panel trim button removal tool
- 10mm Socket with ratchet
- 12mm socket and ratchet
- 13mm socket and ratchet
- 13mm open ended spanner

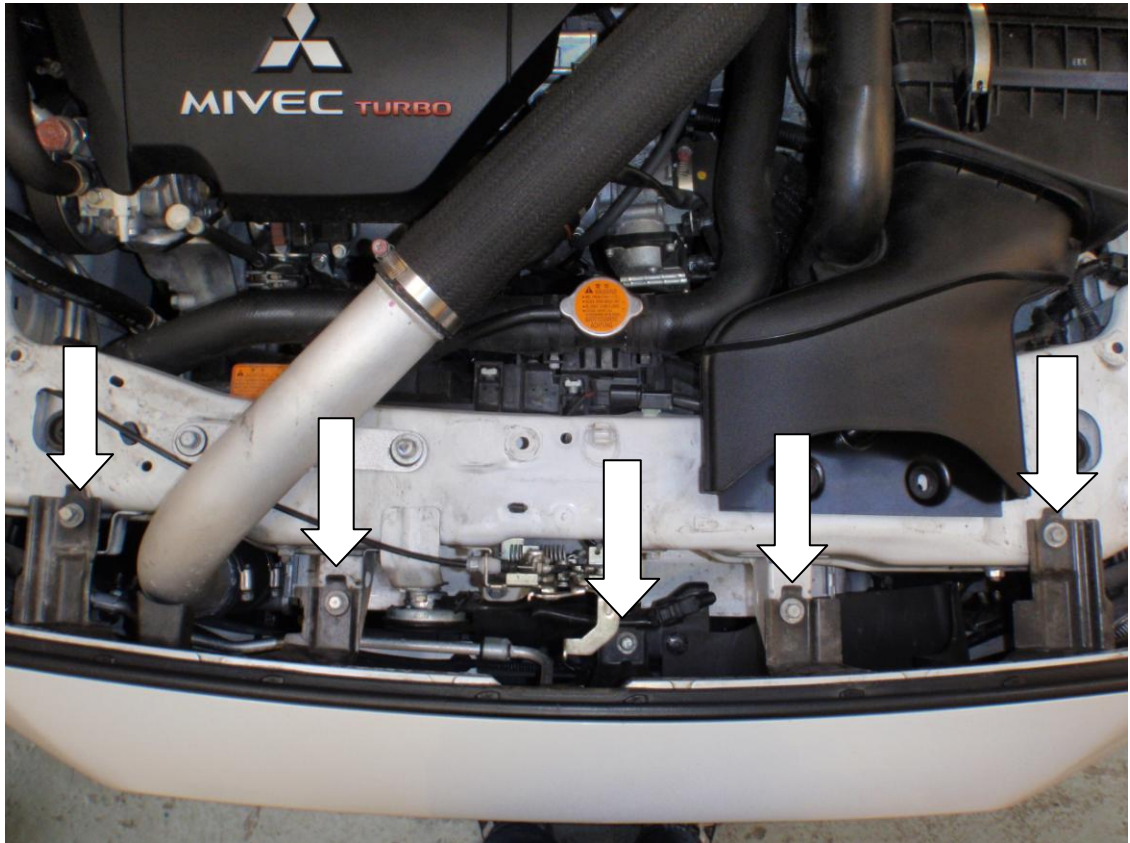
1. Firstly open the bonnet, remove the 3 plastic clips holding the radiator cover in place using a trim button removal tool, pulling the centre of the disc upwards. Remove the 2 philips screws by unscrewing them with a philips screwdriver most of the way out of the clip, and then pull the clip upwards.



2. Now pull the radiator cover upwards to remove, taking care not to break anything.



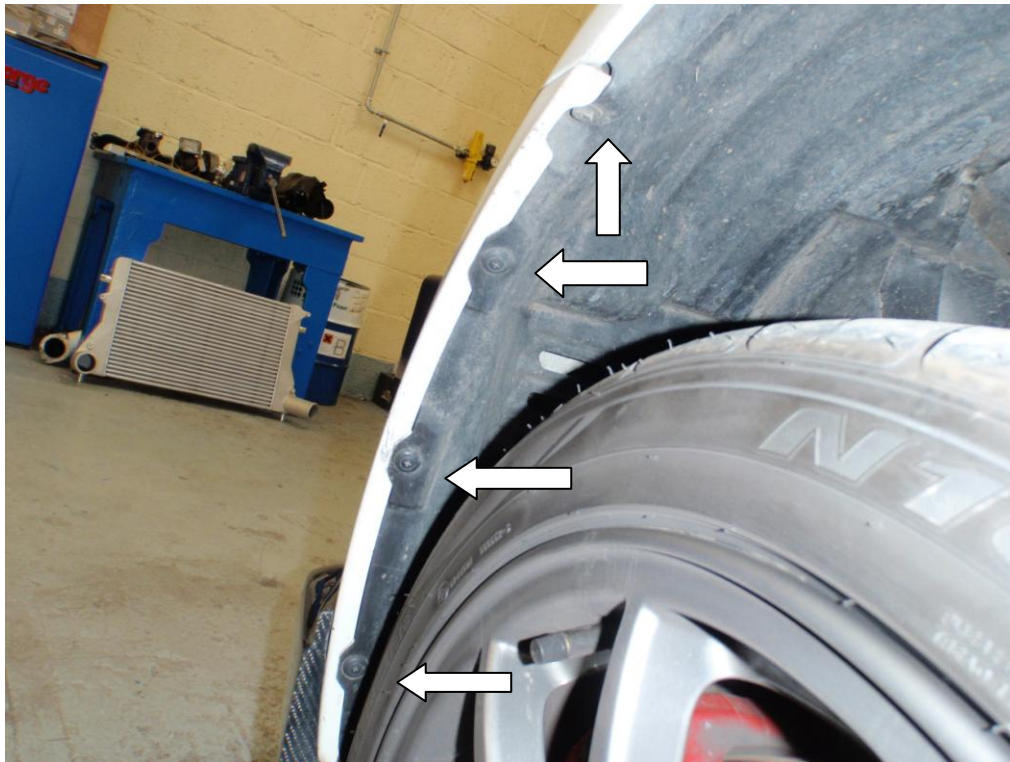
3. Remove the five 10mm bolts using a 10mm socket.



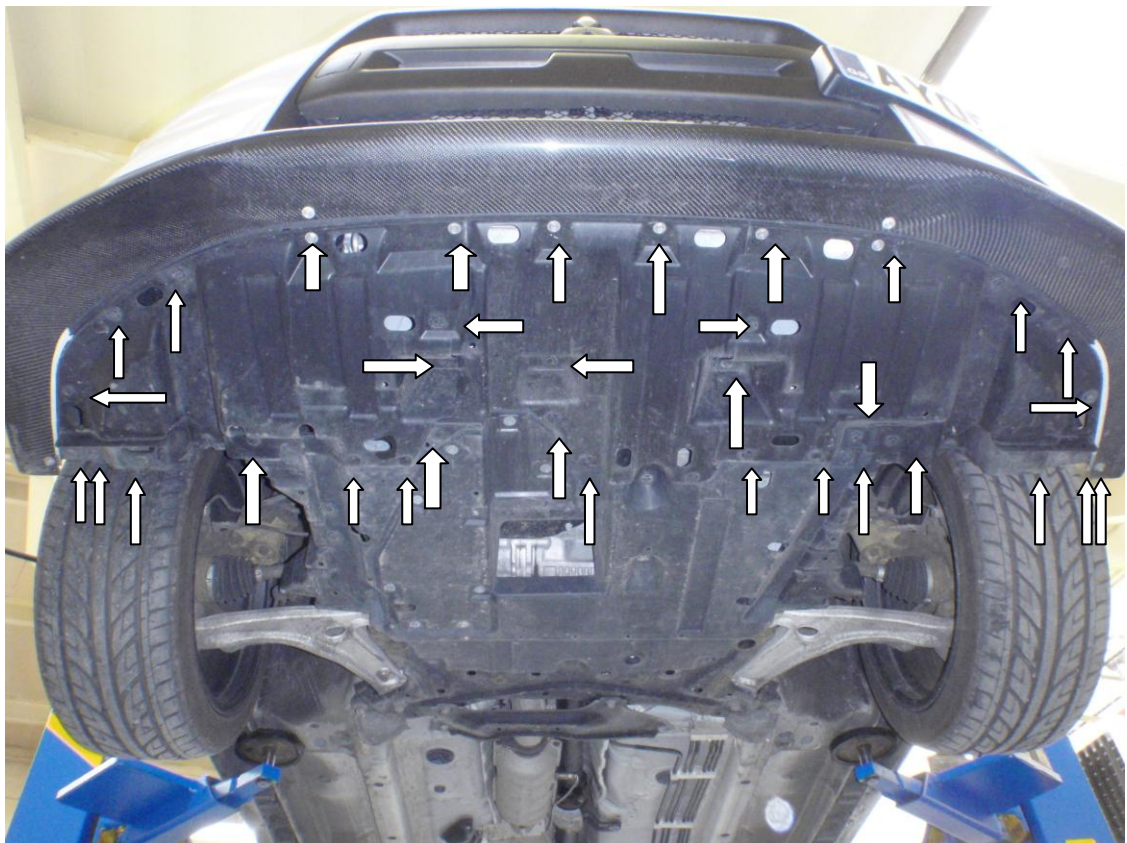
4. Undo the two 10mm bolts on each side of the grill.



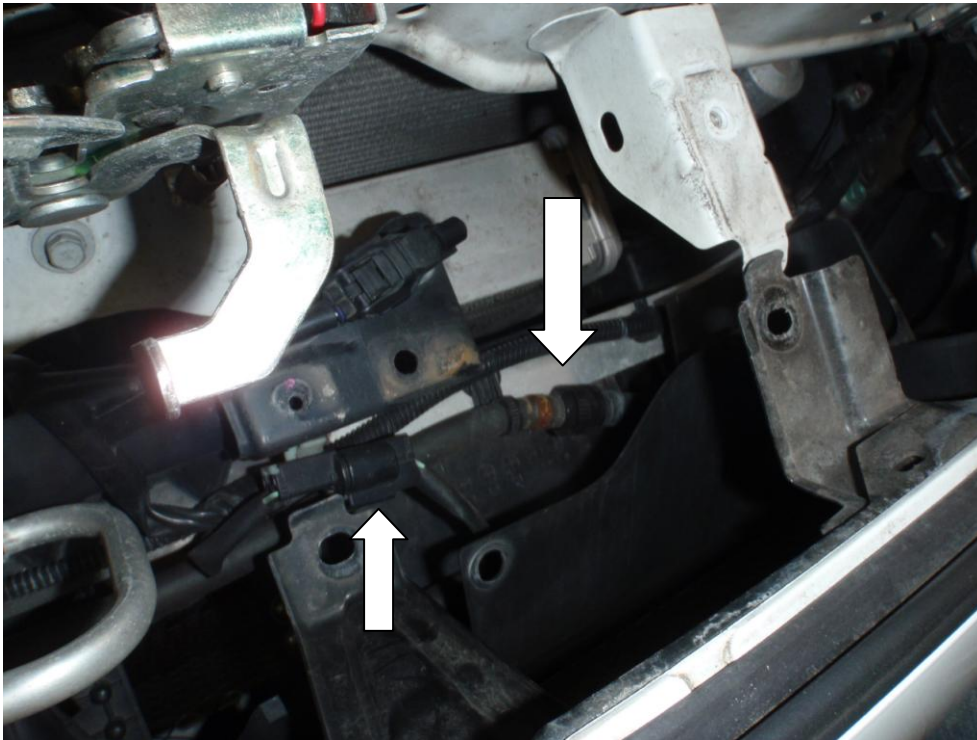
5. In the wheels arch, using a philips screwdriver undo the three plastic clips by unscrewing them 3/4 of the way out then removing the entire clip. Now undo and remove the 10mm bolt as seen in the picture below. Do this on both sides of the car.



6. Remove 28 panel clips using a trim button removal tool, and the six 10mm bolts holding the undertray on, then remove.



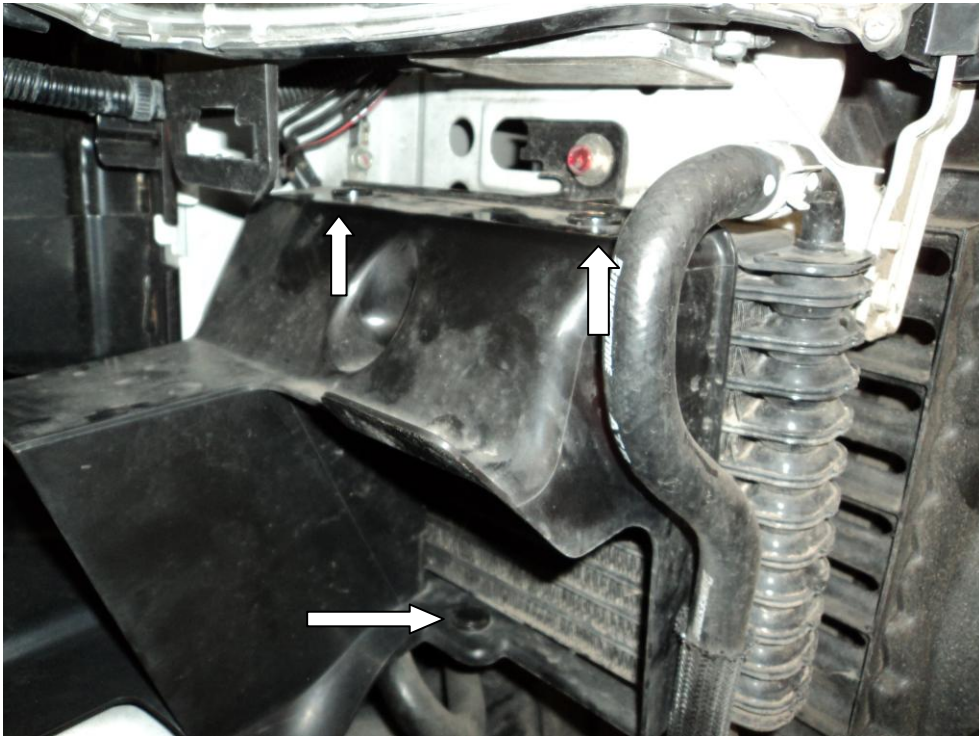
7. Pull the bumper away from the car about 4 inches to reveal the electrical plug and washer pipe. Unclip the headlight washer pipe by pushing down on the 2 plastic clips then pull apart. Next detach the plug as seen in the picture below by squeezing the tab down and pulling apart. This is all situated underneath the radiator cover that was taken off in step 2.



8. Carefully take a firm grasp onto the side of the bumper where it meets the wing and pull towards you. Repeat on each side of the bumper. You can now remove the bumper.



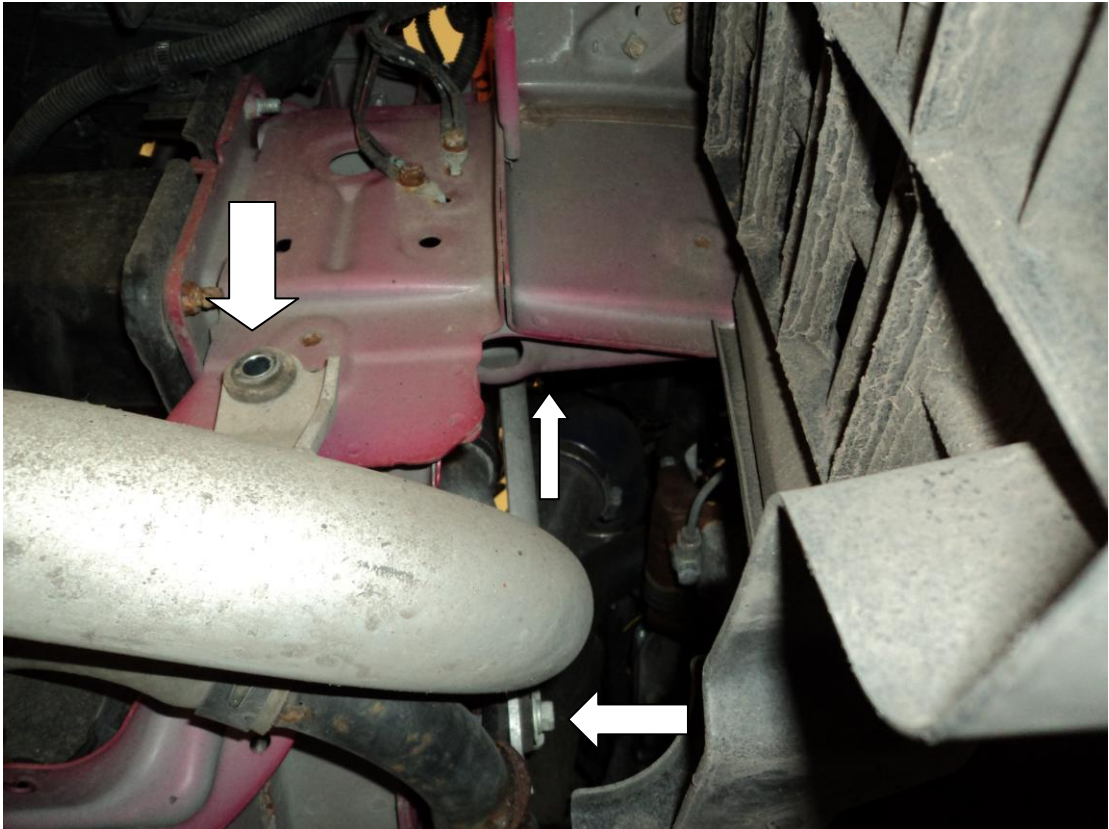
9. On the passenger side of the car using a trim button removal tool, remove the 3 panel pins holding the plastic shroud in place.



10. Remove the bolt that goes into the bracket holding the hard pipe in place with a 12mm socket and ratchet.



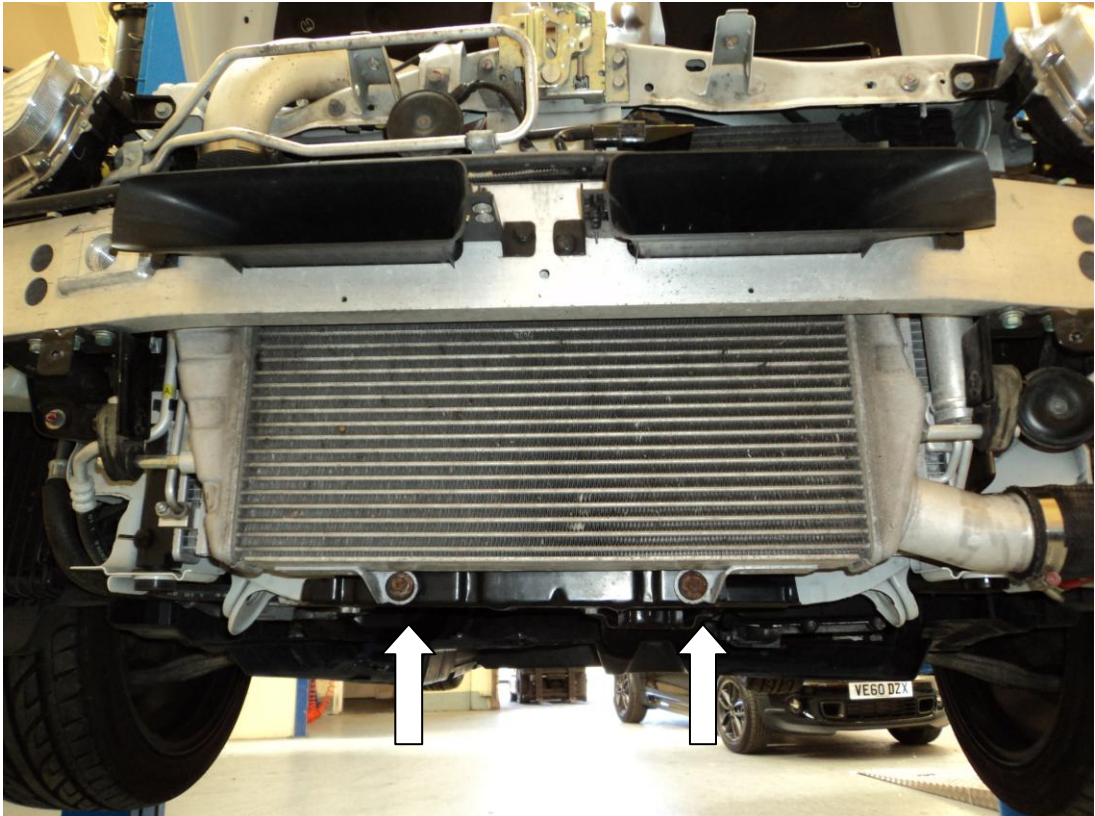
If you have the FQ360 model you will have to undo another two 12mm bolts as there are another 2 brackets holding the intercooler pipe in place as seen below.



11. Using a 10mm socket and ratchet undo the 2 hose clamps.



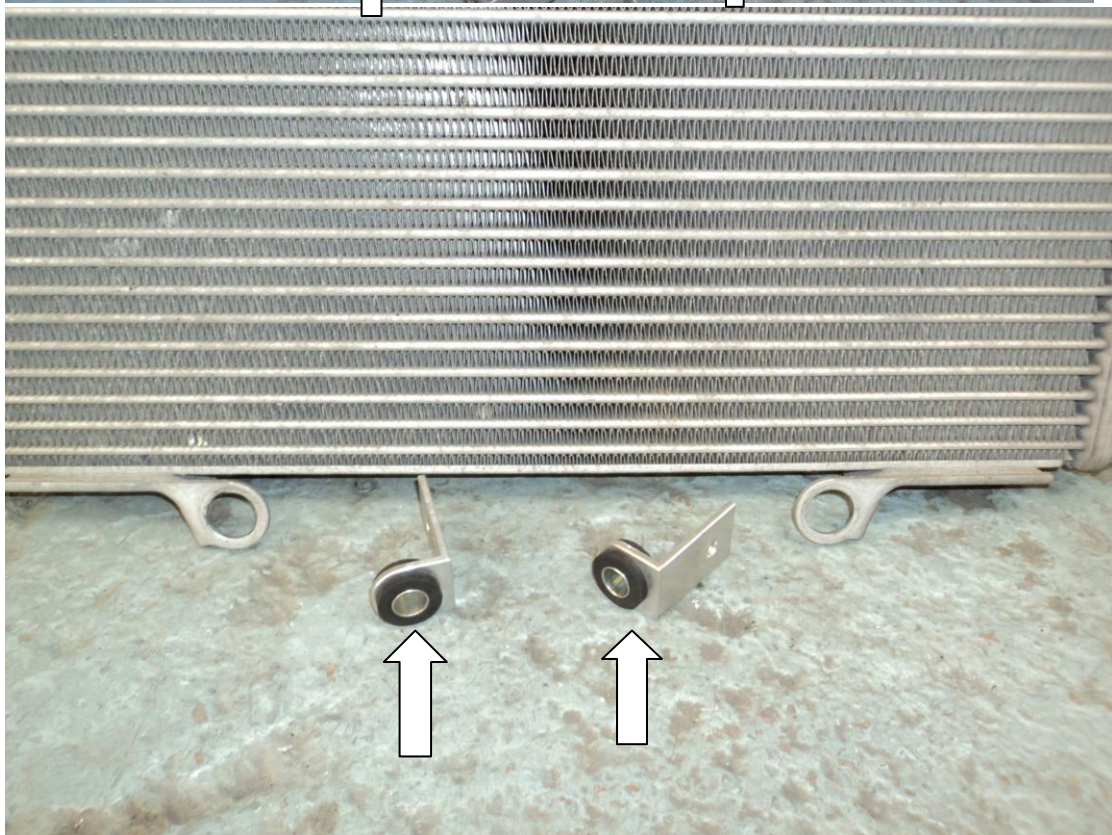
12. Undo the two 12mm bolts at the bottom of the intercooler using a 12mm socket and ratchet.



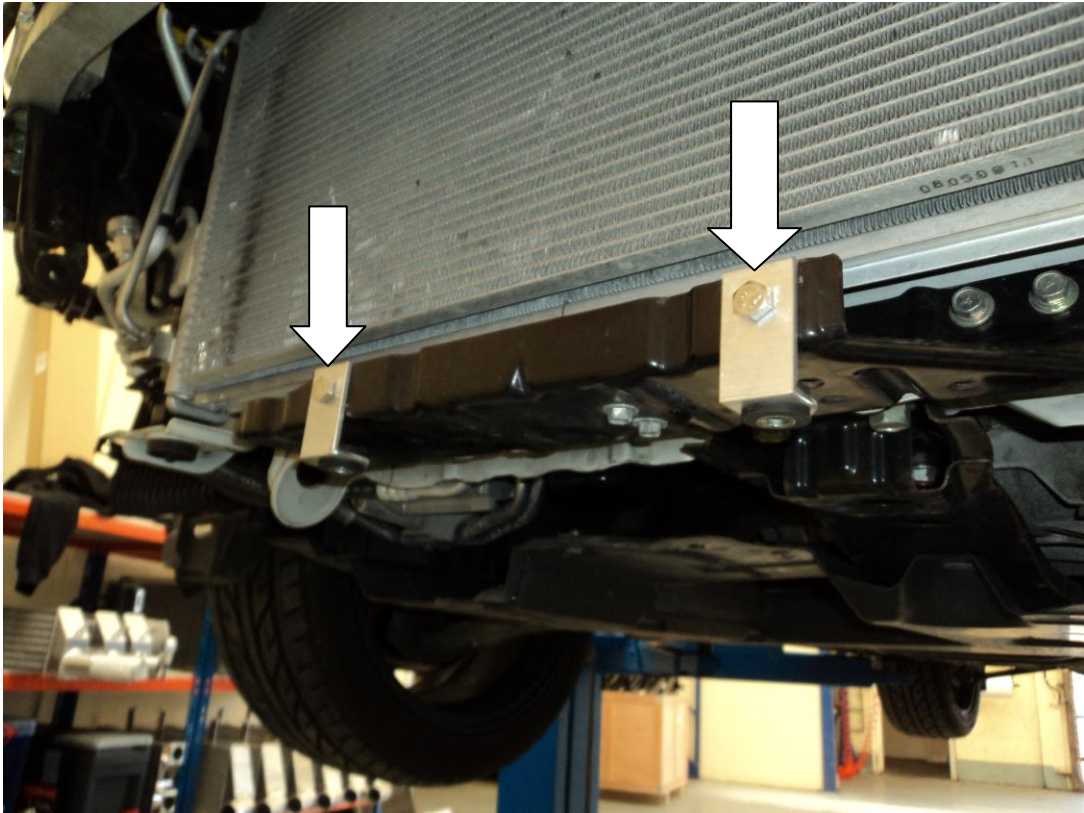
13. Remove the rubber mounts on each side of the intercooler by pulling towards you. This will then let you remove the intercooler.



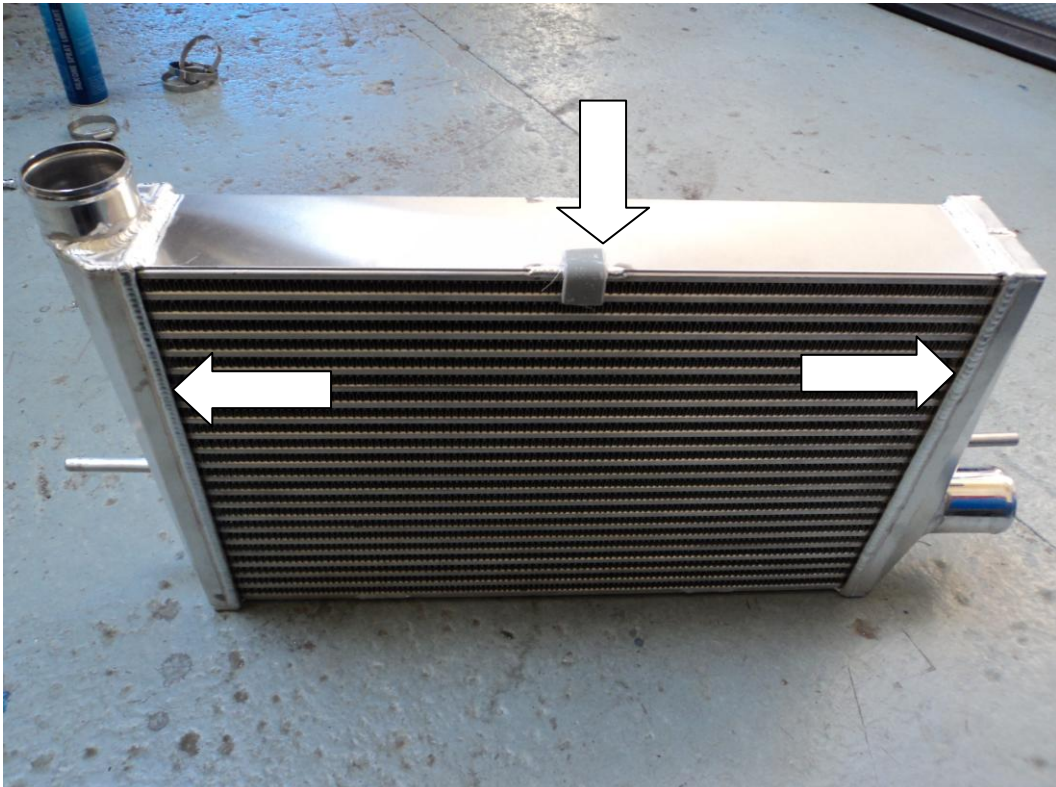
14. Once the intercooler is removed you will need to take out the metal insert and the rubber insert in the original intercooler and fit them into the new intercooler brackets provided.



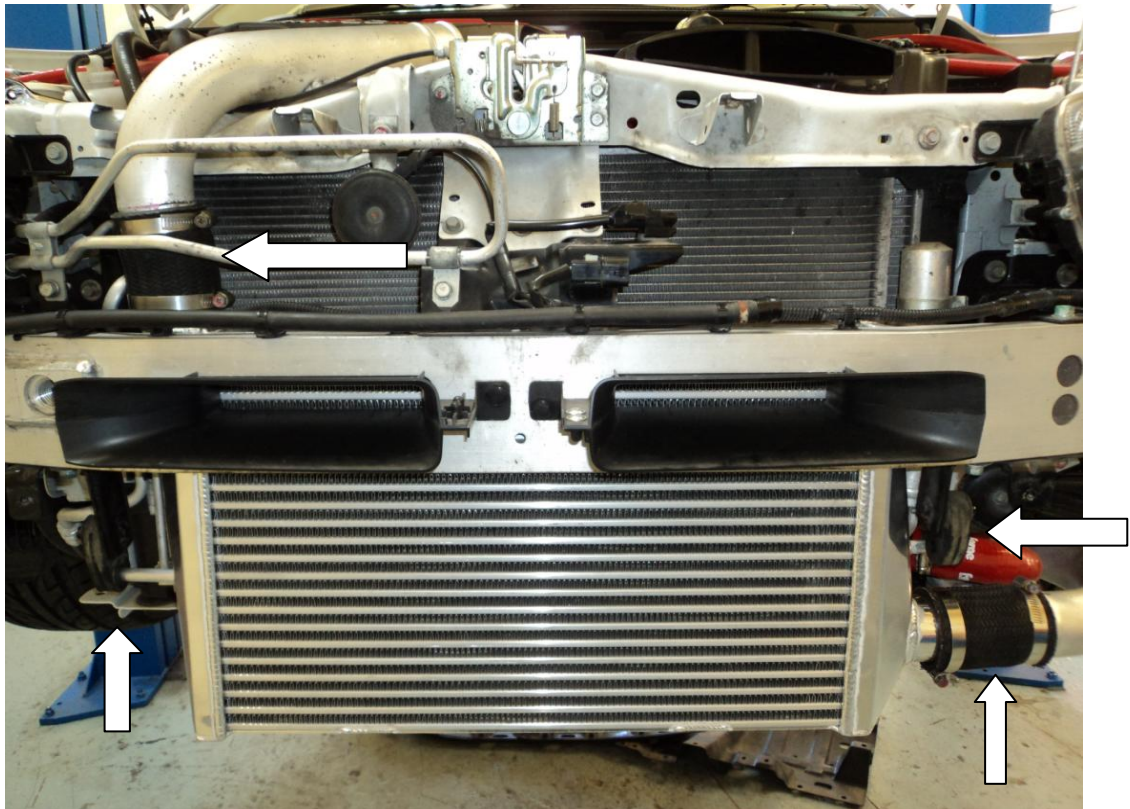
15. Fit the brackets in the same holes from where you removed the intercooler bolts from, using the two m8x15 bolts provided making sure to keep the brackets square when tightening with a 13mm socket and ratchet.



16. Measure the centre of the core by measuring from each weld on opposing sides of the core. Once you have the centre mark place the velcro provided evenly in that position.

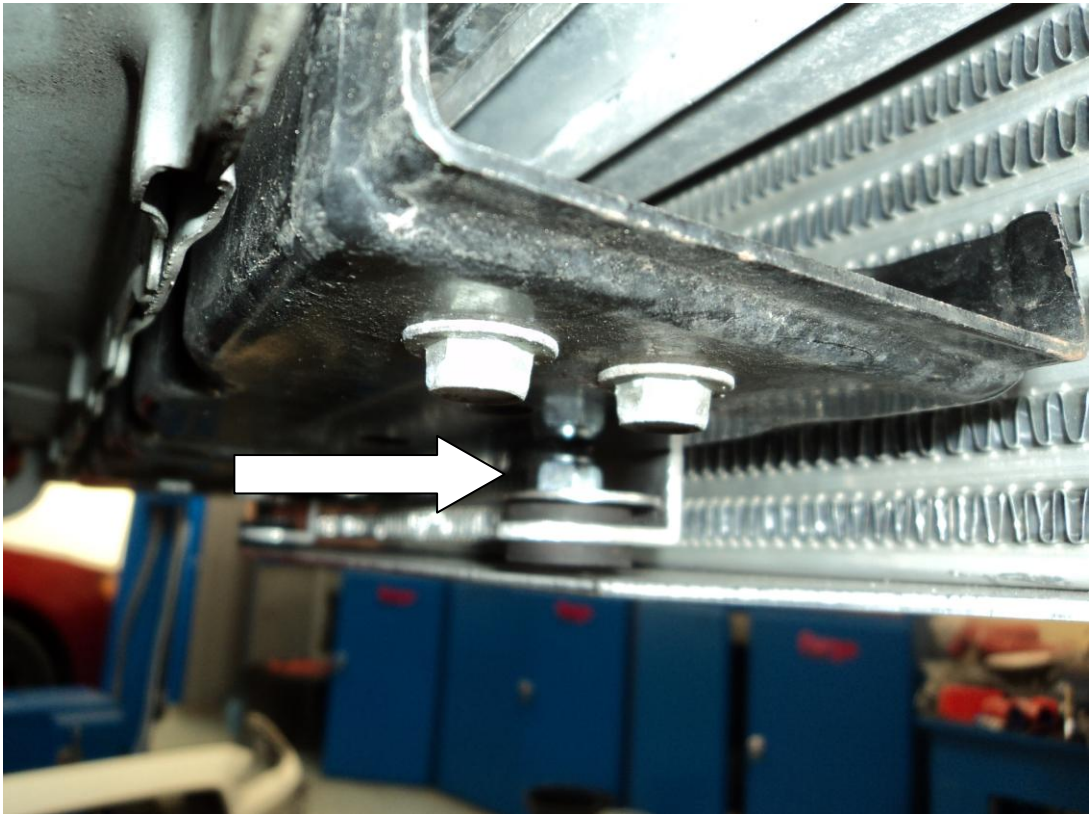


17. Fit the new intercooler in. (You may find this difficult as the core is so large). This step may well be easier as we found to put the bottom pipe on first then the top pipe and then refit the rubber mounts.

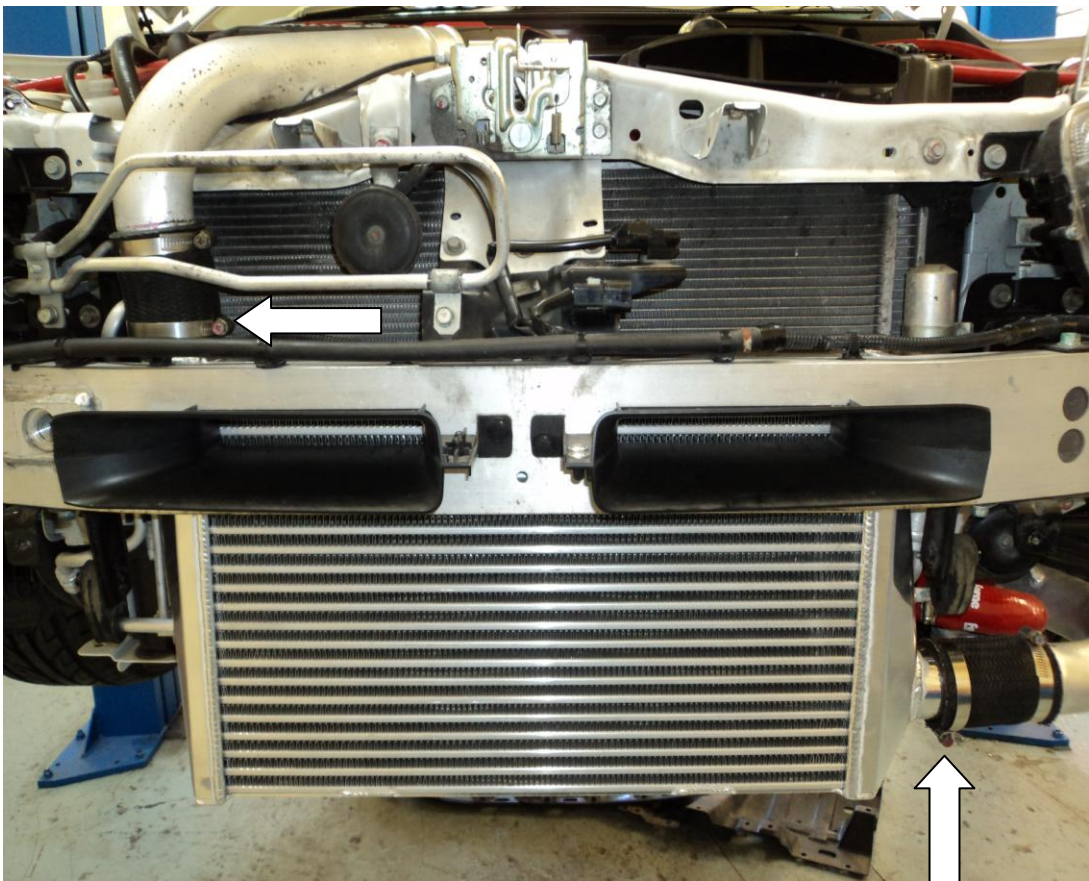


18. Using the two m8x25 bolts, 2xm8 nyloc nuts, 2xm8 penny washer and the two m8 plain washers, fit the under side of the intercooler to the brackets fitted in step 16, using a 13mm open end spanner and 13mm socket and ratchet.





19. Replace the 12mm bolt taken out in step 10. **(IF YOU HAVE THE FQ360 REMEMBER TO REPLACE THE THREE 12MM BOLTS).**
20. Tighten the 2 hose clamps.



21. Now reverse everything done in steps 1-9.



Installation is now complete.

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