



## FMINT25 Fitting Instructions for Toyota Yaris GR



**Please thoroughly read through and familiarise yourself with these instructions in their entirety prior to beginning any part of the installation process of any component. Please also ensure the vehicle and engine has cooled down sufficiently to avoid risking possible skin burns or other injury.**

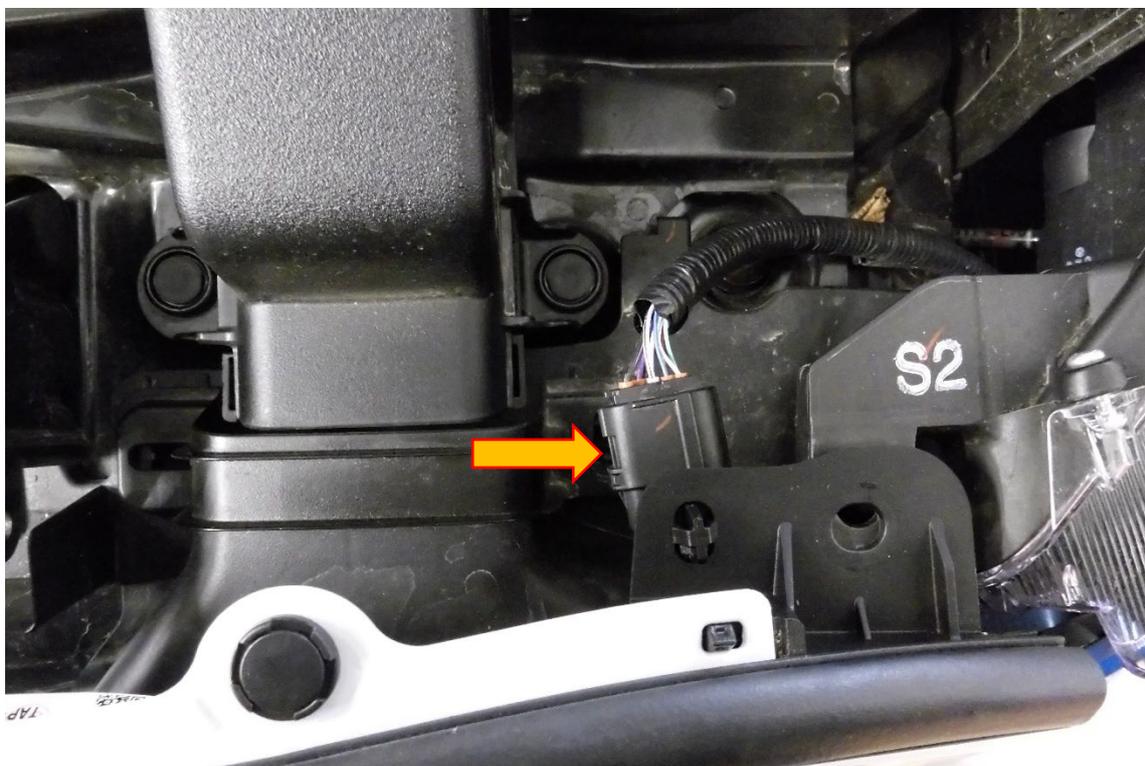
### **TOOLS NEEDED:**

- Flat blade screwdriver or trim removal tool
- 7/10/12/17mm Socket & Ratchet Drive with extension
- Long nose pliers
- Axle Stands & car jack/car ramp

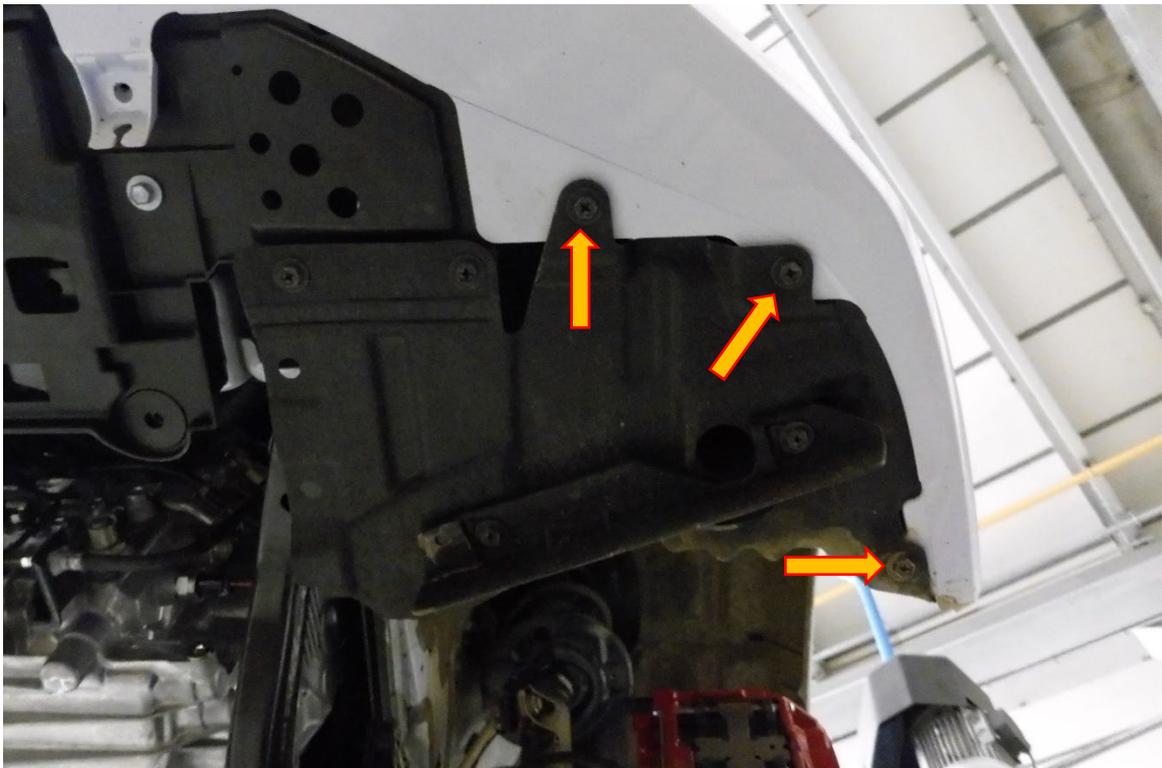
1. Park the vehicle securely, then open the bonnet and locate the 2X plastic fasteners and 2X M6 fasteners that run across the slam panel. Use a 10mm socket and ratchet to remove the M6 fasteners and a trim tool or flat blade screwdriver to remove the plastic fasteners.



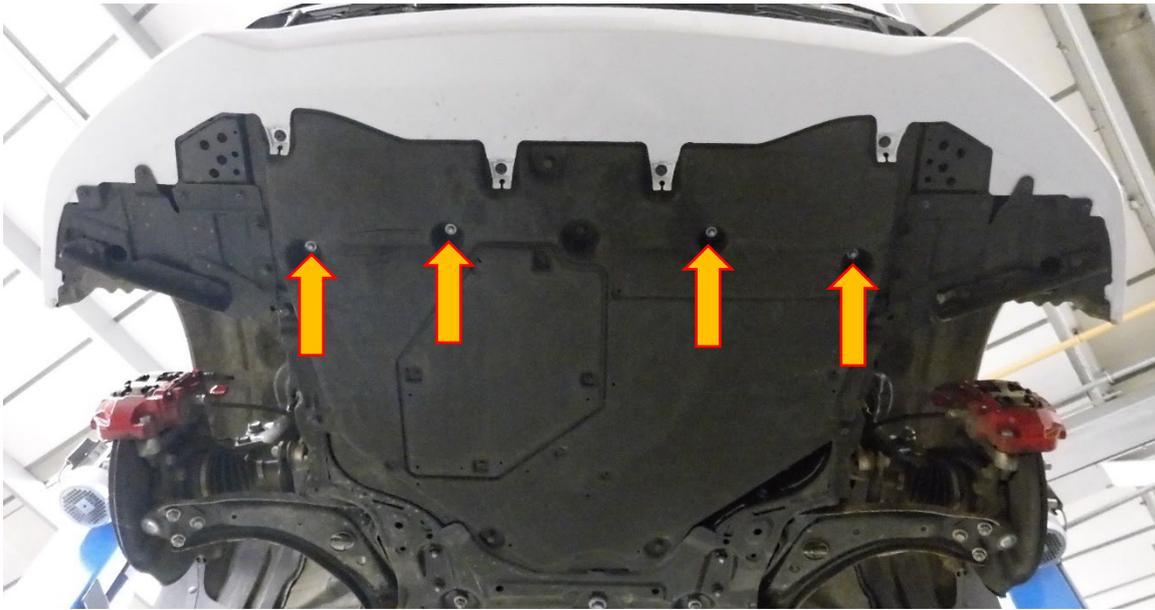
2. Un-plug the wiring loom going to the bumper.



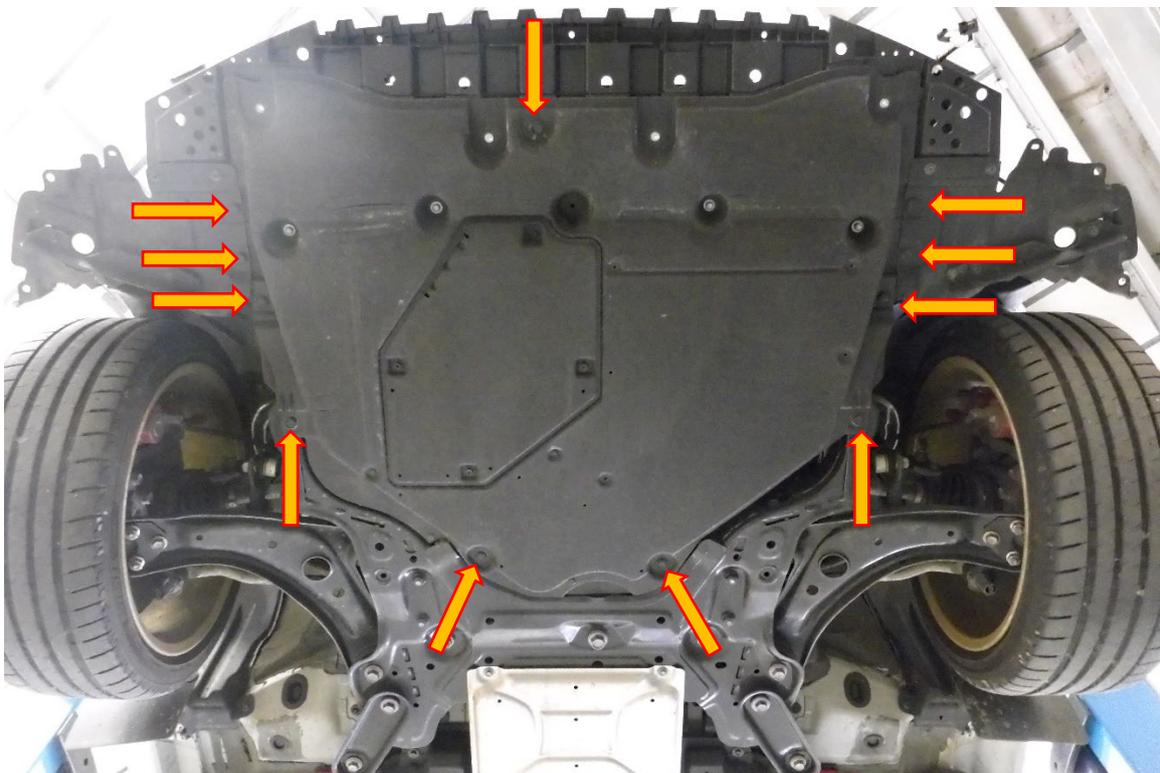
3. With the vehicle raised from the ground, looking up from below use a 10mm socket and ratchet to remove 10X M6 fasteners at the front of the bumper.



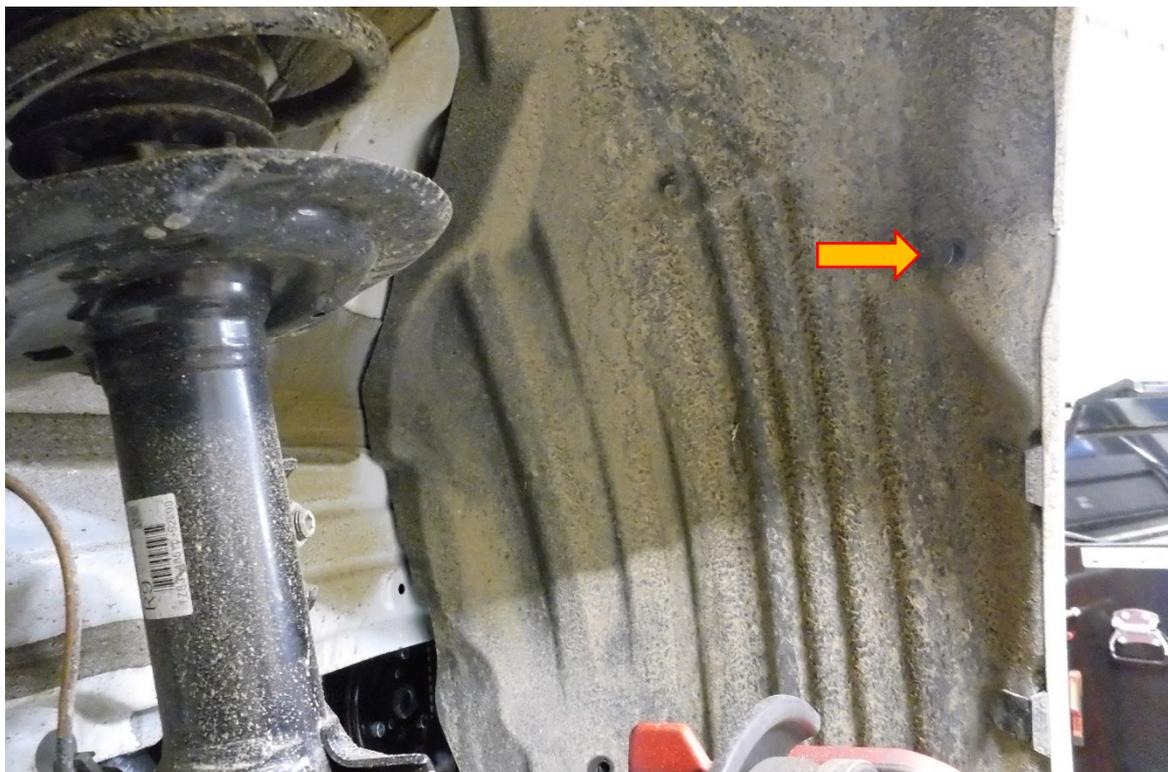
- Using a 10mm socket and ratchet remove the 4x M6 fasteners from the under tray.



- Using a plastic trim tool or a flat blade screwdriver remove the 11x plastic fasteners attaching the undertray to the vehicle. The undertray will now come away from the vehicle.



- Using a plastic trim tool or flat blade screwdriver press the tab in the centre of the splash guard retaining clips. Using the same tool remove the plastic fastener attaching the top of the splash guard. You will now be able to peel the splash guard back to reveal the fasteners at the top of the bumper. You don't have to remove the wheels to do this.



7. Using a 10mm socket and ratchet remove the M6 fastener on both sides of the bumper, the plastic retaining clip also needs to be removed. This simply pushes out of its housing. The bumper will now pull away from the vehicle.



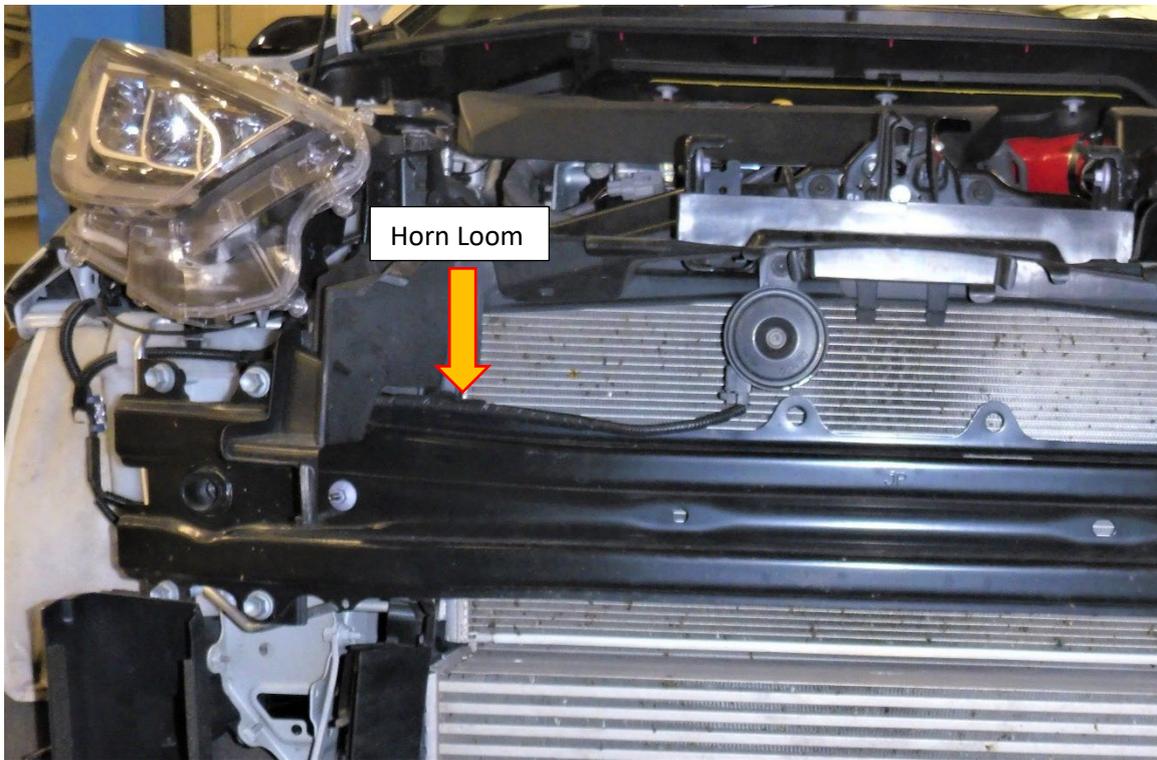
8. Using a plastic trim tool open up the retaining clips to allow the edge of the bumper to come away from the wing. Use some masking tape to avoid marking the paint work. When both sides are free from the wings carefully rest the bumper and unplug both fog light wiring looms.



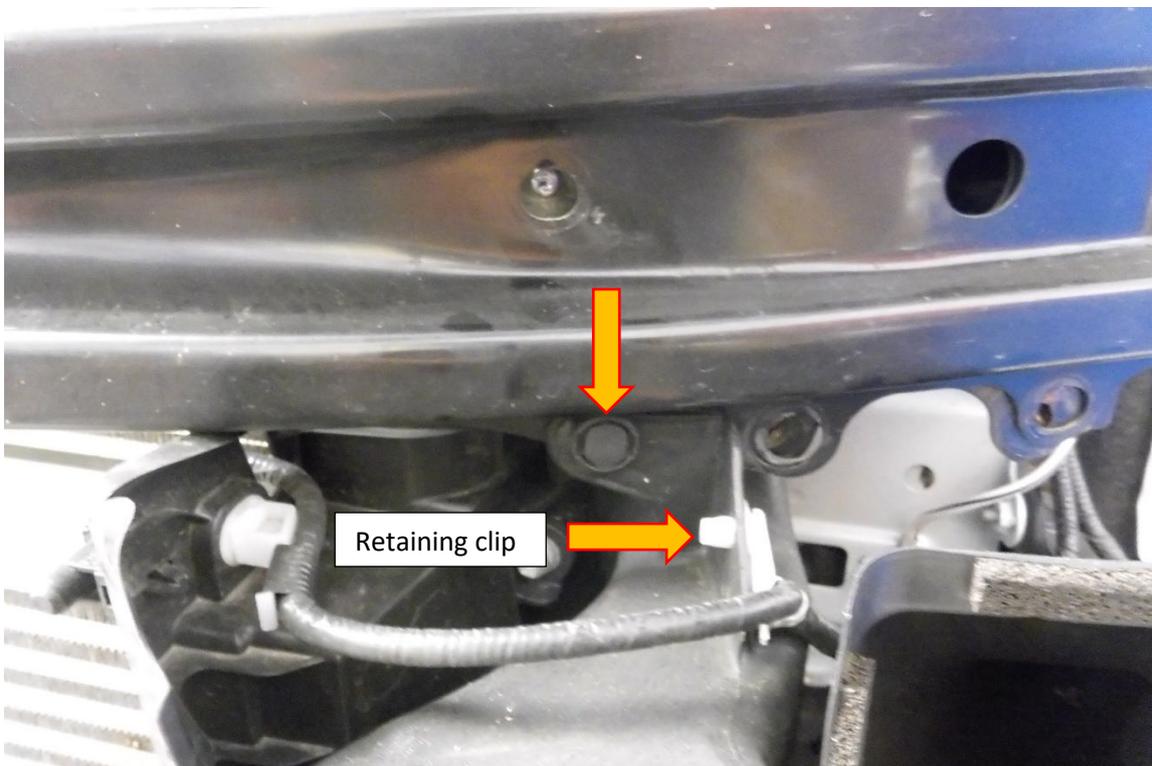


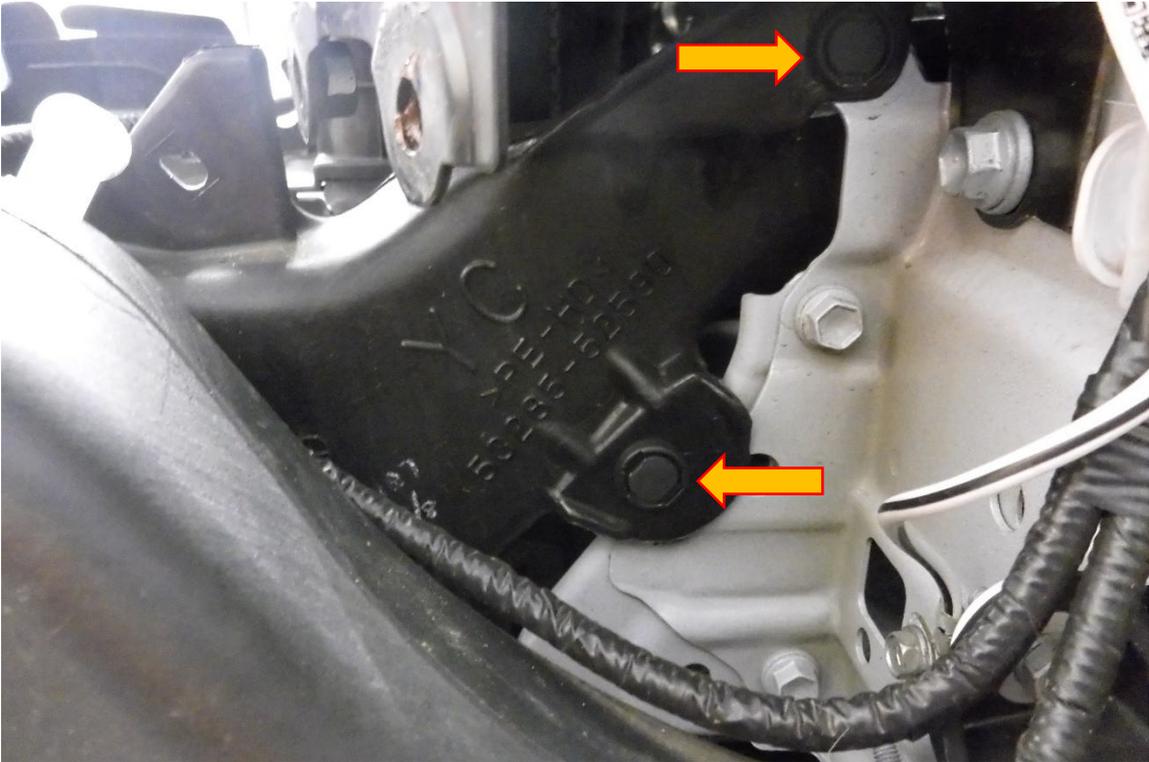
9. Removing the crash bar. Using a 17mm socket and ratchet there are 8 X M10 fasteners that need to be removed, 4 X each side. Using a 10mm socket and ratchet remove 2 X M6 retaining nuts, 1 each side. Unclip the horn wiring loom which is attached to the top of the crash bar.



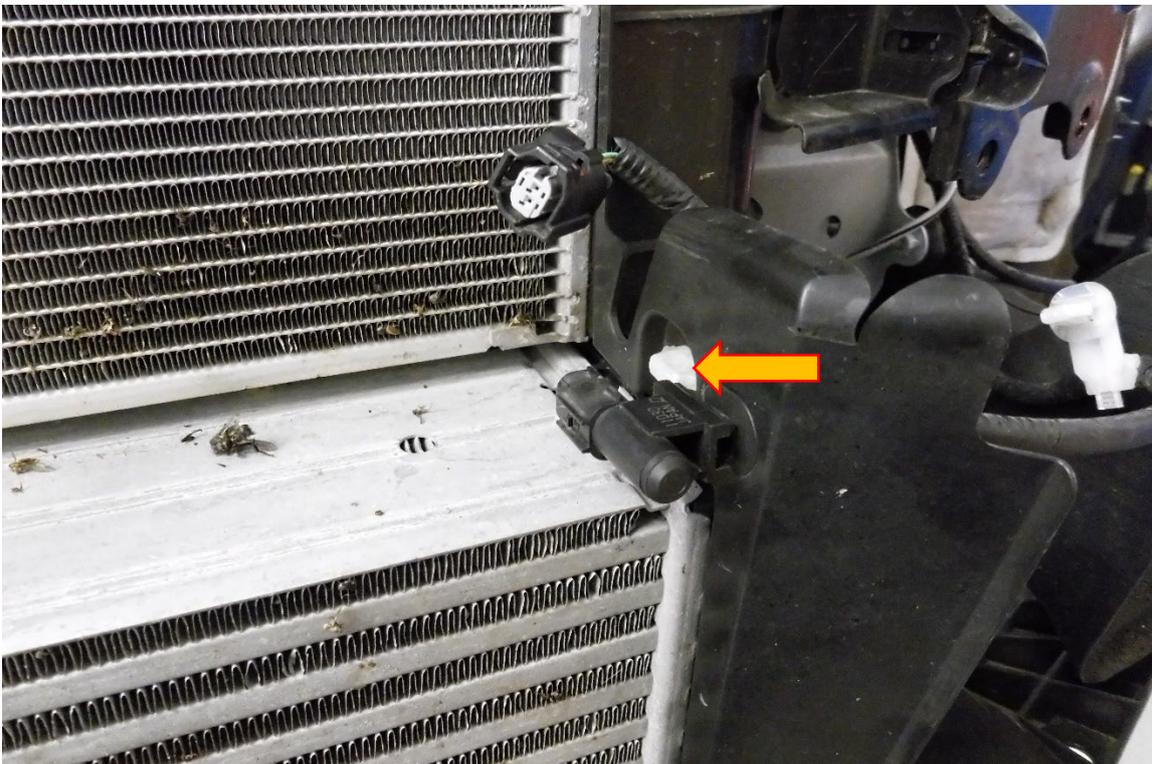


10. Remove the 3X plastic fasteners attaching the air ducting to the bottom of the crash bar and chassis. Using long nose pliers compress the lugs on the retaining clip attaching the temperature sensor loom to the air duct. The duct can now be removed.





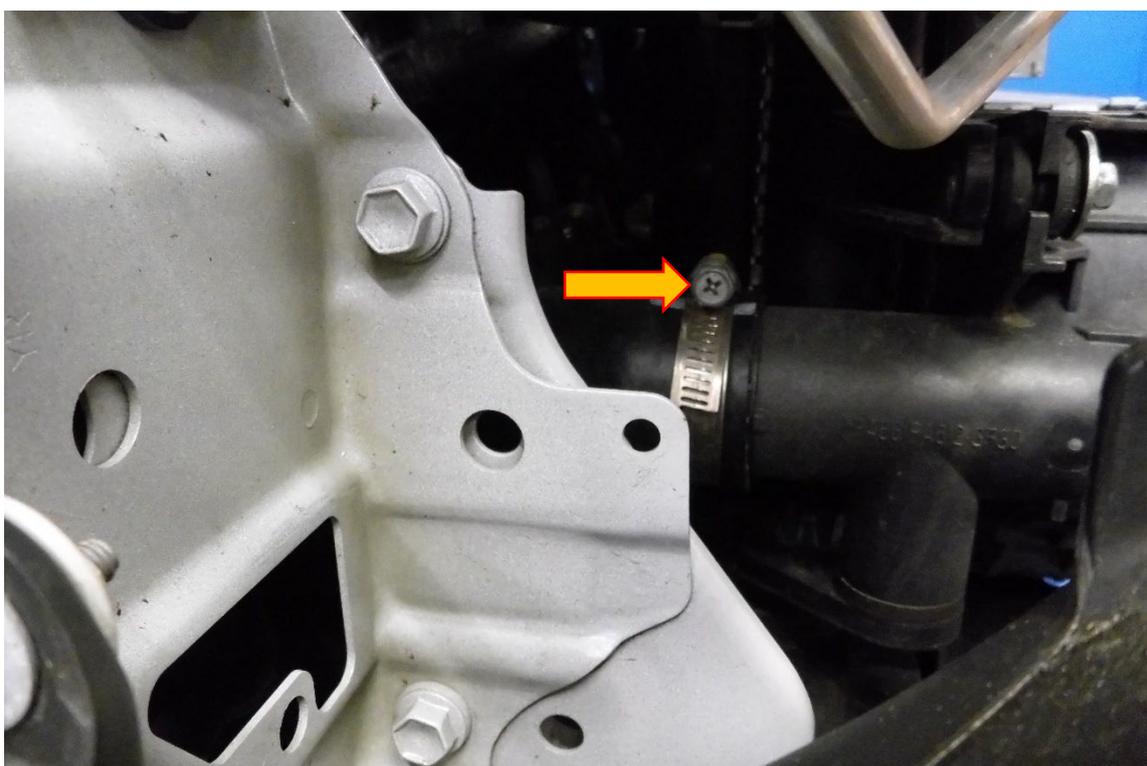
11. Unplug the wiring loom going to the temperature sensor and detach the other retaining clip.

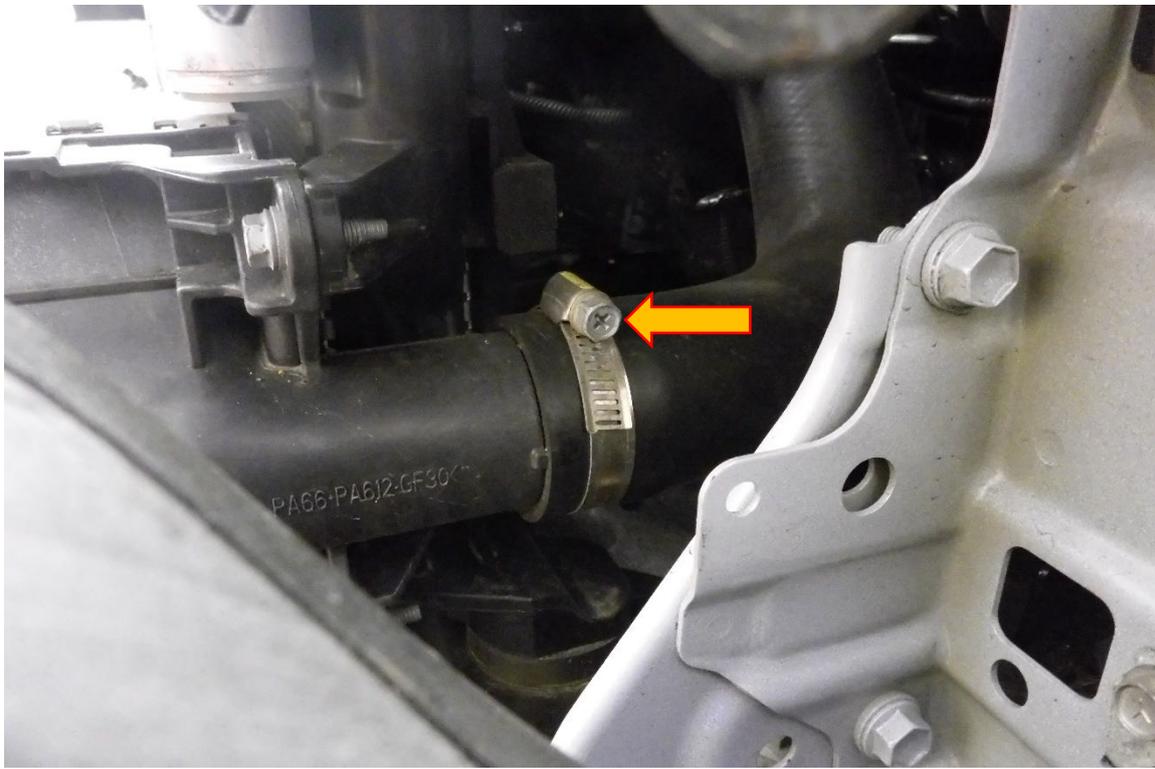


12. Remove the air ducting on both sides of the radiator pack, this will pull out.



13. Using a 10mm socket and ratchet loosen off both hose clamps attaching the boost pipes to the intercooler.





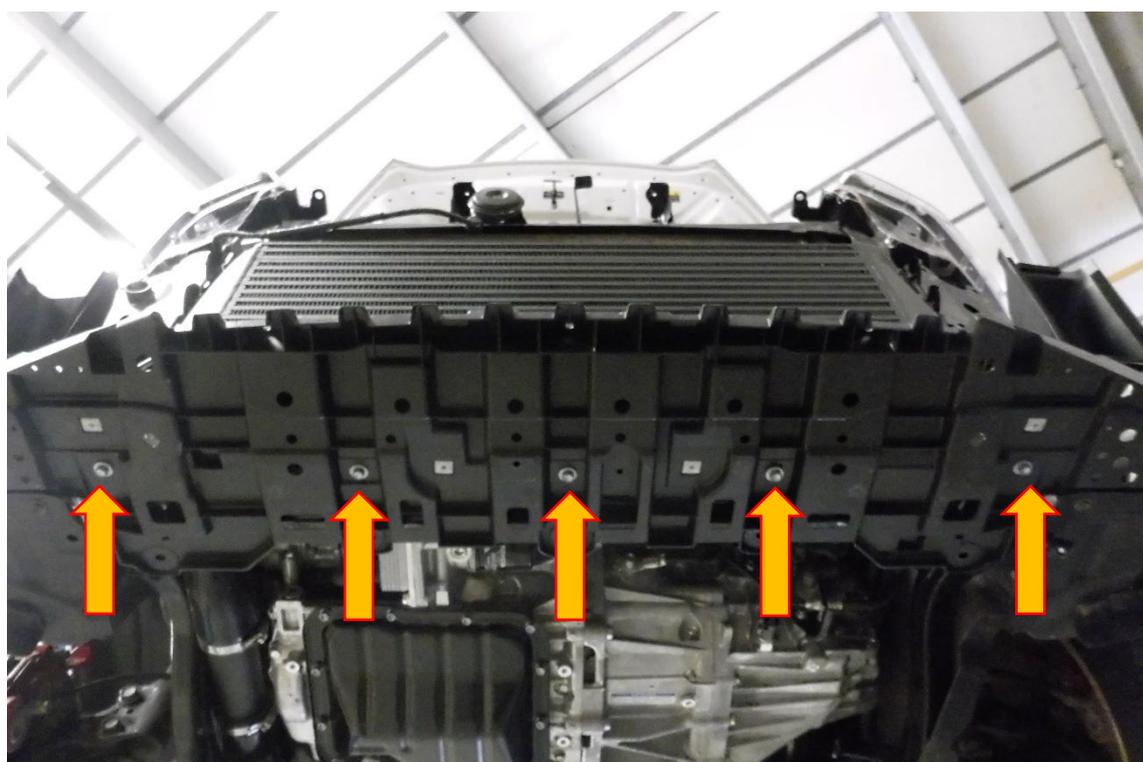
14. Using a 10mm socket and ratchet remove the 3x M6 fasteners attaching the intercooler to the vehicle.



15. Remove the plastic fasteners attaching the lower air duct, with these removed the duct will pull away from the vehicle.



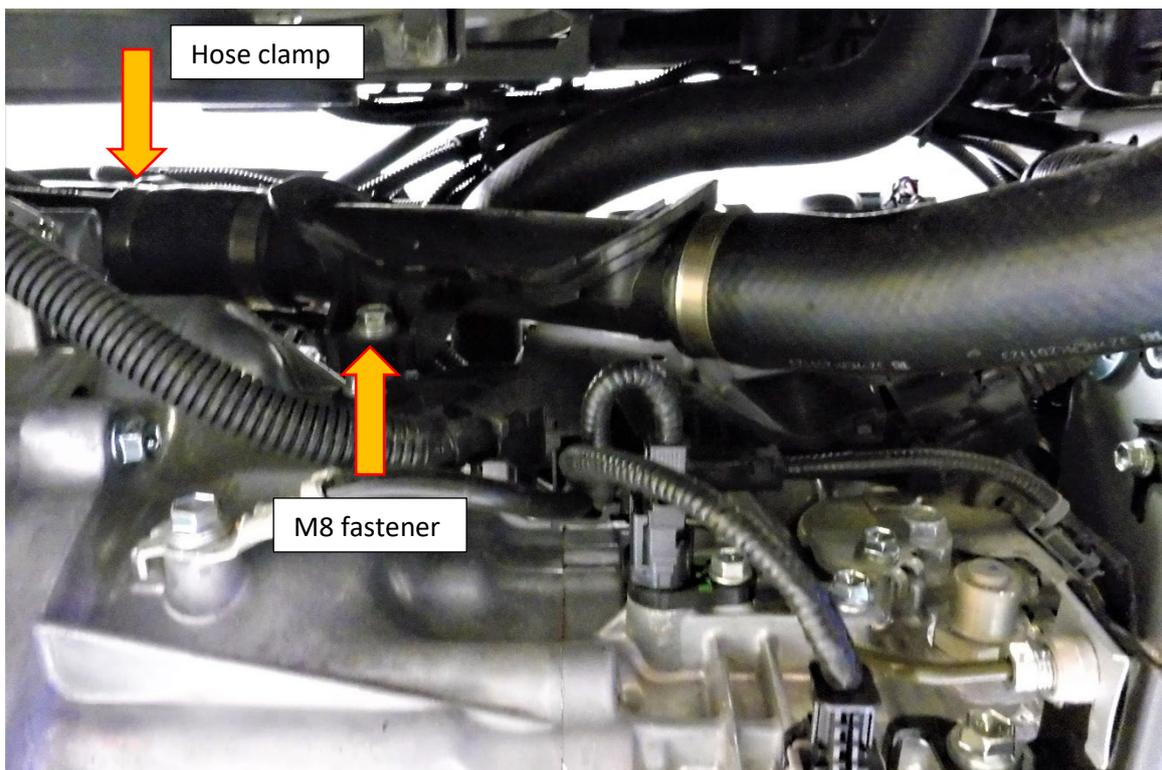
16. Using a 10mm socket and ratchet remove the M6 fasteners attaching the plastic panel below the intercooler. The intercooler will now come away from the vehicle.



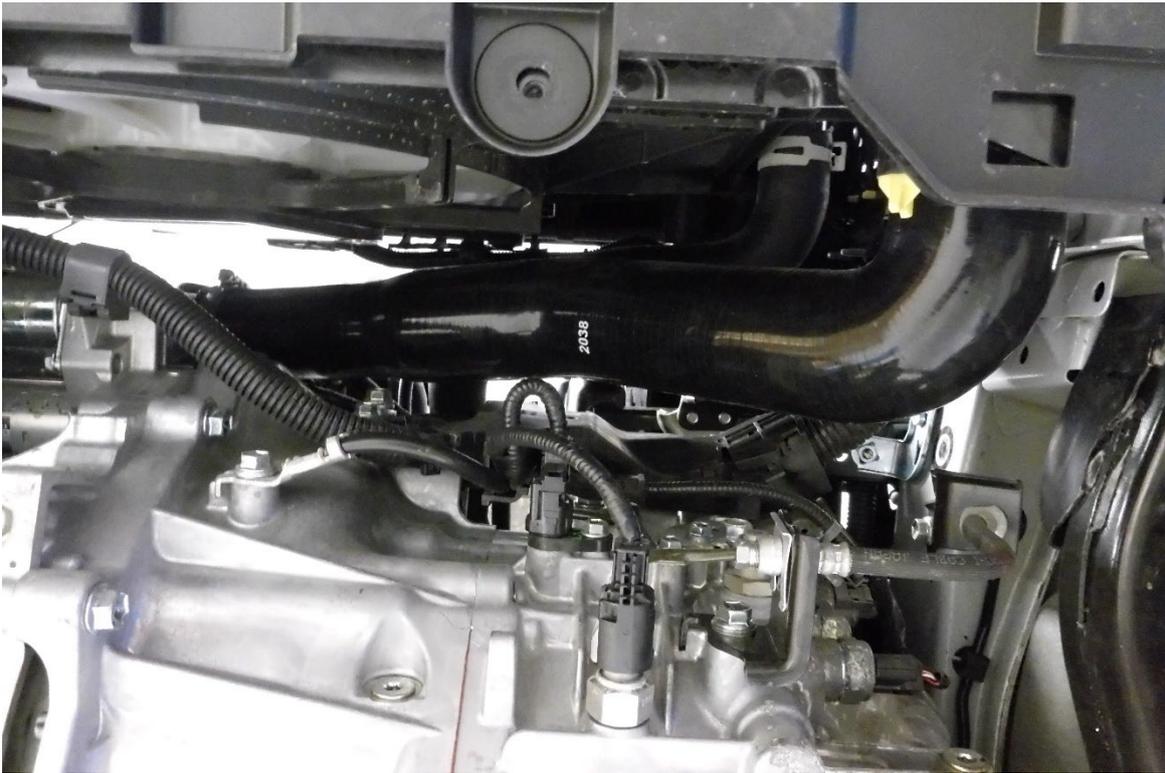
17. Fit the Forge Motorsport intercooler to the vehicle in the same location as the OE intercooler using the original fasteners.



18. Using a 12mm socket and ratchet remove the fastener attaching the near side boost pipe to the engine. Loosen the hose clamp attaching the end of the rubber boost pipe this will now allow for the boost pipe to be removed from the vehicle.



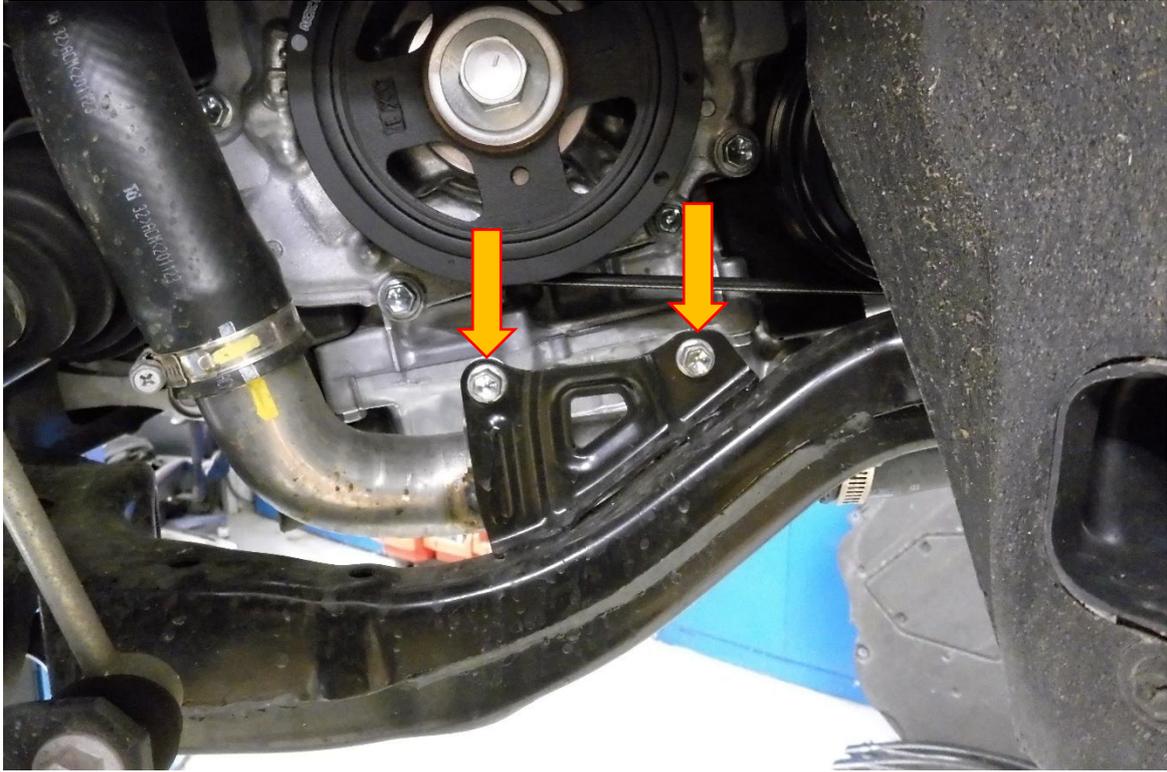
19. Fit hose #2038 in position, use a 7mm socket and ratchet to secure the supplied 50-70 hose clamp to the larger end of the hose going to the outlet of the intercooler and hose clamp 40-60 for throttle body end of the hose.



20. Remove the off-side wheel from the vehicle, this will allow access to the inner splash guard. Remove the 2X plastic fasteners attaching the splash guard to the vehicle. This panel can now be removed.



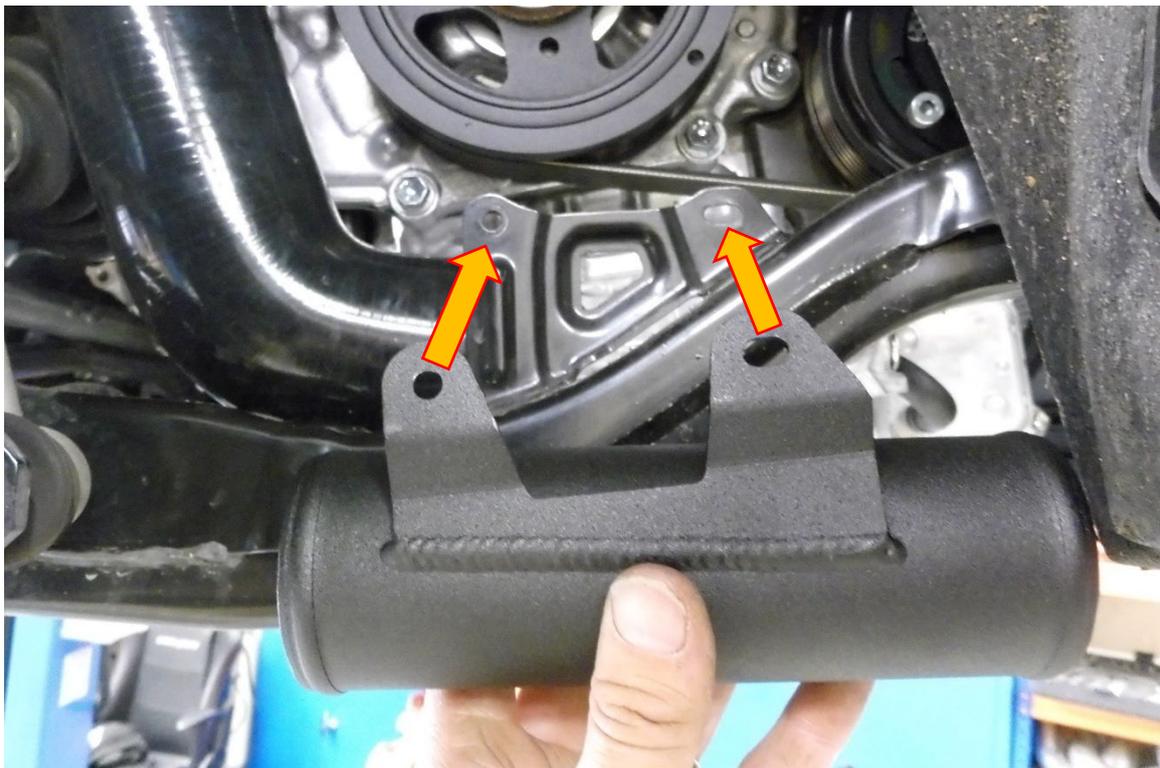
21. Using a 12mm socket and ratchet remove the 2X fasteners attaching the offside boost pipe to the chassis. Loosen the hose clamp attaching the turbo end of the boost pipe.



22. Fit the small end of hose #2043 to the turbo, use a 7mm socket and ratchet and the supplied 32-50 hose clamp from the kit to secure the hose to the turbo.



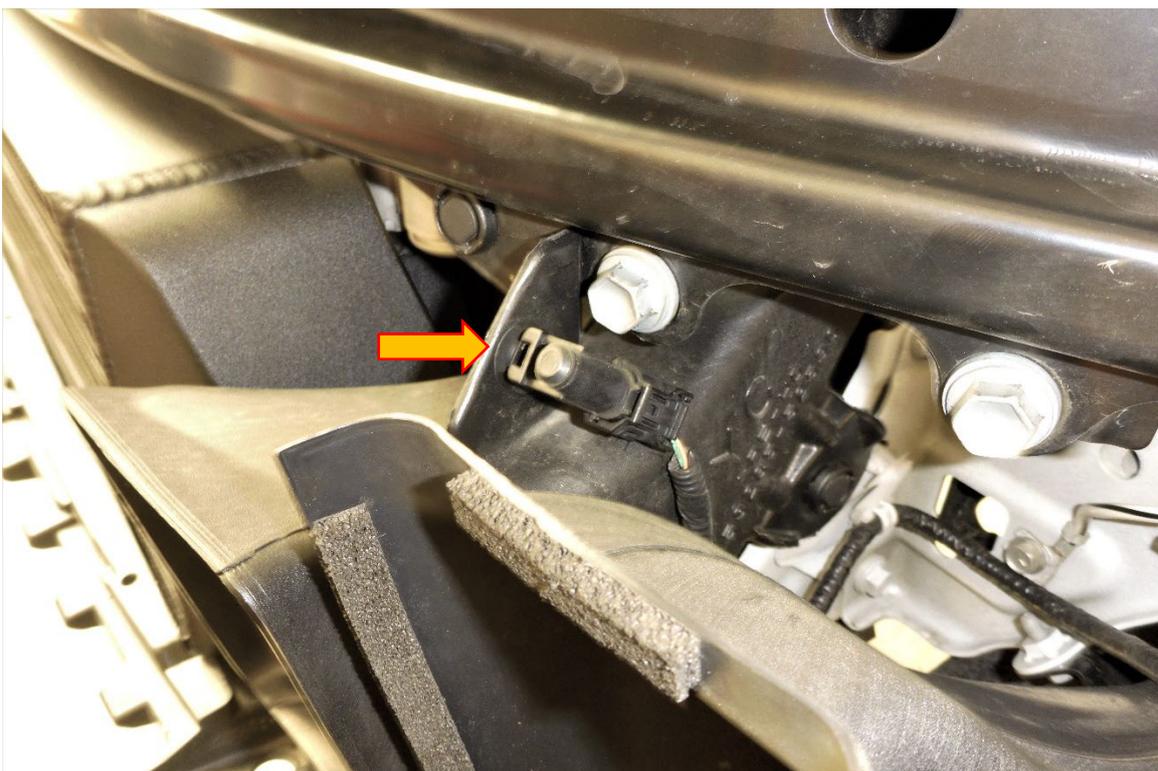
23. Take the hard pipe from the FMINT25 and fit to hose #2043 and using the m6 fasteners removed in step 21 and the supplied M6 nuts, attach the hard pipe in the same location as the original hard pipe. Use the supplied 50-70 hose clamp to secure the larger end of the hose.



24. Fit hose #2044 to the other end of the hard pipe and to the inlet of the Forge Motorsport intercooler. Use the supplied 50-70 hose clamps to secure the hose.



25. Now follow steps 1-16 in reverse order to complete your installation. When refitting the temperature sensor relocate it using the existing hole in the near side air ducting.



26. Take the vehicle for a test drive and enjoy your new Forge Motorsport product.

**Forge Motorsport accept no liability for invalidation of your manufacturer's warranty or failure of any component or part due to incorrect installation of Forge Motorsport products.**

Check out [WWW.FORGEMOTORSPORT.CO.UK](http://WWW.FORGEMOTORSPORT.CO.UK) and [WWW.FORGEMOTORSPORT.COM](http://WWW.FORGEMOTORSPORT.COM)

For a full range of performance products for your vehicle.

If you have any questions or concerns about this product or anything else, please feel free to contact your local or preferred Forge Motorsport Dealer/Installer or you may contact us directly.

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## **Important Information Regarding Your New Forge Cooling Product**

Thank you for purchasing a Forge Motorsport cooling product. You now have a product that simply leaves the competition behind – made in Great Britain, with a lifetime warranty. All you need to do now is install and maintain the product correctly to maximise its full potential.

All Forge products are tested before leaving our facility to ensure you 100% satisfaction and reliability.

### **General information and care for your Forge cooling product:**

- On installing your intercooler/radiator, be sure that all hose clamps and fittings are tightened to prevent any leakage.
- Ensure that the intercooler/radiator and the associated plumbing components are not rubbing on any body parts. This can cause premature failure and warranty invalidation from Forge.
- Do not use any car cleaning products, particularly traffic film remover solutions or shampoos to clean your intercooler, radiator or oil cooler. The use of these products can damage the Forge cooling systems and invalidate your warranty.
- Any cleaning should be done with hot soapy water and well rinsed.
- We recommend that you should inspect your product on a regular basis for bent and/or crushed fins. Any bent fins should be carefully straightened to allow ambient air to pass through the core face.
- At the time of installing your Forge product, an approved coolant must be used and added to the coolant system. Be sure you never mix coolant and always use distilled water.
- On Forge Oil Coolers, please ensure all hose clamps and fixings are tightened and secured to prevent leakage.
- Do not exceed 9 bar (130 psi) rating on your oil cooler.

### **What should you do if a fault develops?**

If you suspect that you have an issue, you should take your vehicle back to where the installation of your Forge product was carried out, or to a suitable and qualified tuner for investigation of the problem.

If you suspect that the problem has occurred due to faulty manufacture, please contact your Forge dealer or Forge Motorsport UK, Forge Motorsport USA or Forge Motorsport Asia, depending on your geographical location, to discuss the issue.

### **How to get the Best from your Forge cooling products**

- Ensure the fitting is carried out by a reputable and competent garage, tuner, or mechanic.
- Carry out regular visual checks, inspections, and servicing.
- Only fit the Forge cooling product for the application that it was designed for.
- Do not fit other parts that could detrimentally affect the efficiency of your Forge cooling product.



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