



## Mercedes X Class FMINT19 Fitting Instructions



**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:**

10mm ratchet and drive

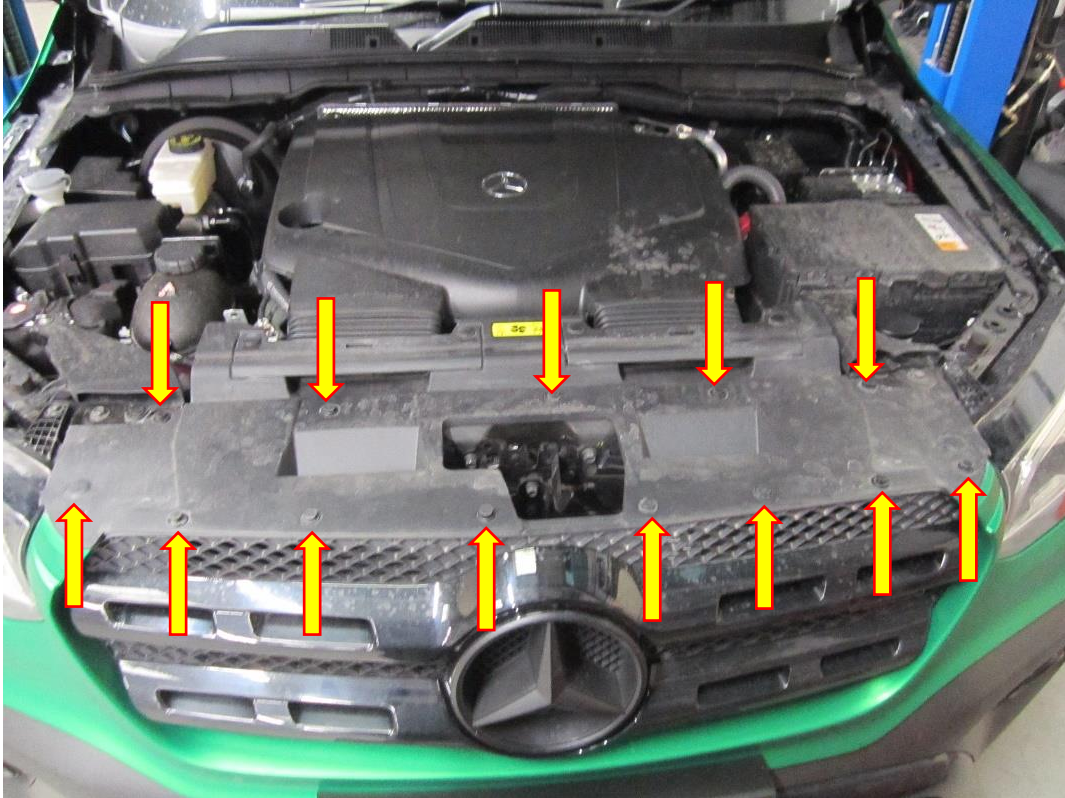
15mm Spanner

Phillips screwdriver

T20 Torx Driver

Flat blade screwdriver/trim removal tool

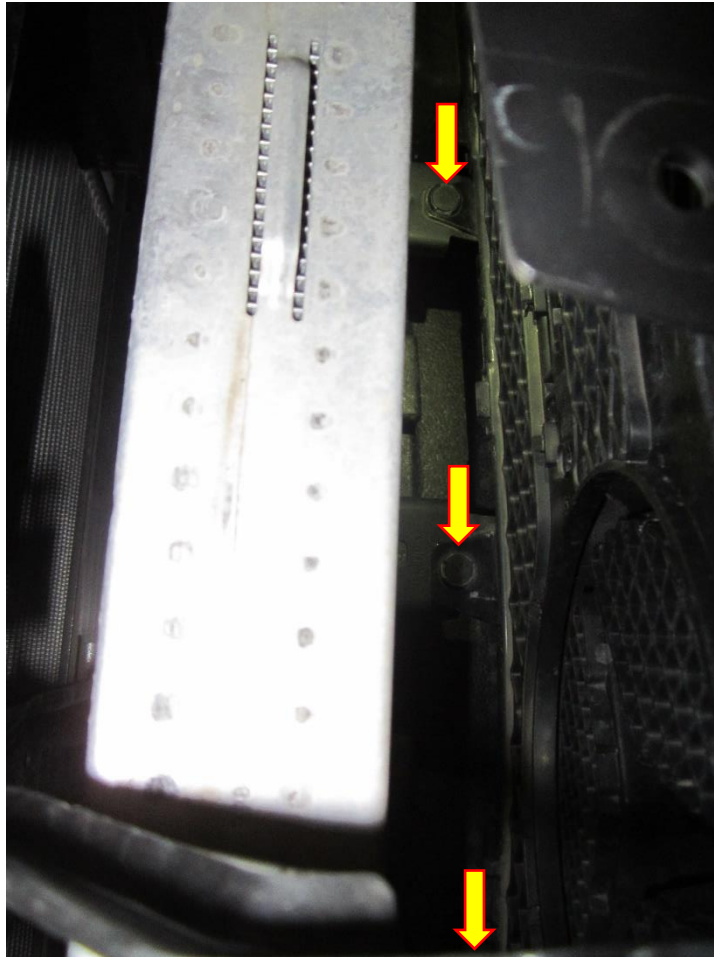
1. Open the bonnet and locate the thirteen plastic fasteners attaching the bumper to the slam panel cover. Use a flat blade screwdriver or trim removal tool to release these fasteners.



2. With slam panel cover removed you will find five plastic fasteners which need releasing. There are two at the top of the bumper and the other three are in front of the intercooler behind the grill.







3. Use a 10mm socket and ratchet to remove the eight fasteners attaching the valance to the bumper.



4. You will now be able to lower the valance part of the bumper downwards and access the four fasteners at that attach the bottom of the bumper to the vehicle. Remove these with a 10mm socket and ratchet.

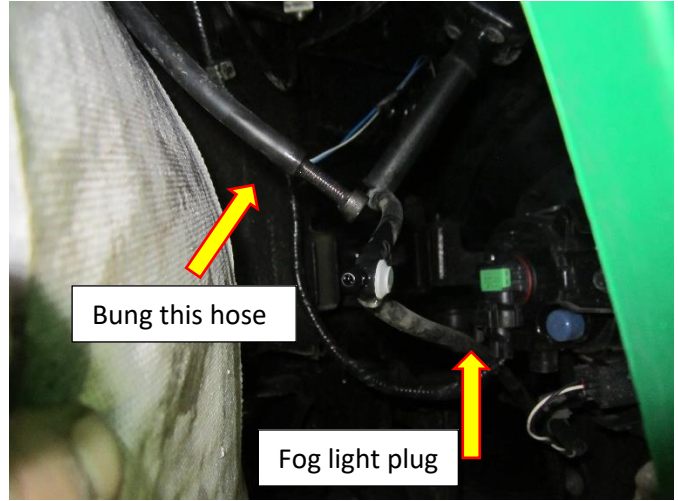


5. Use a T20 Torx to remove the fastener that attaches the inner splash guard to the bumper. With this removed you will now be able to access the fastener which attaches the top of bumper to the wing of the vehicle. Use a 10mm socket and ratchet to remove this fastener on both sides of the bumper.

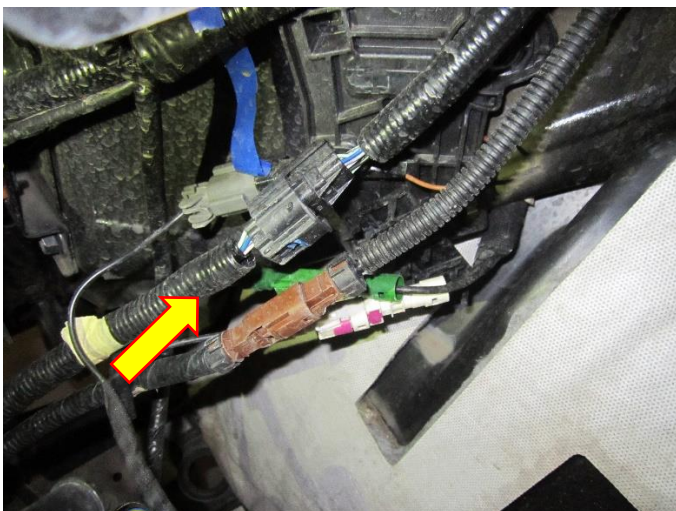




6. On the offside of the bumper you will see the hose line for the light washers, disconnect and bung up the water feed hose with a bolt or similar, to prevent water running out the system. Un-plug the fog lights on both sides also.



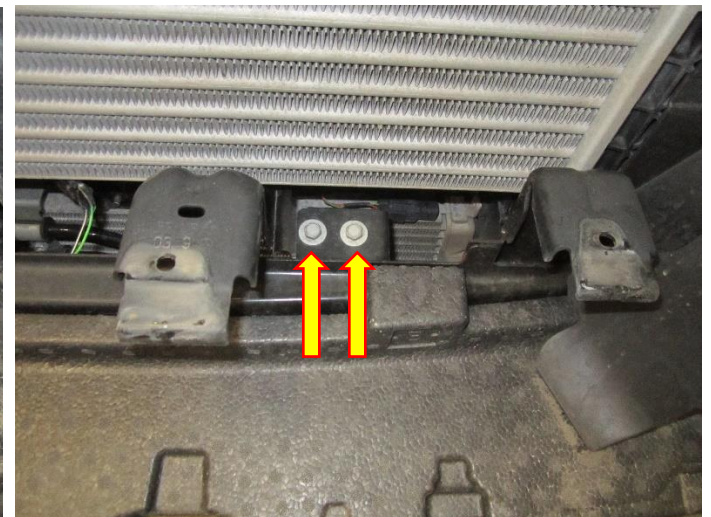
7. There are five plugs which need to be unplugged. Simply press their tabs down and pull apart. You will now be able to pull the bumper away from the vehicle.



8. With the bumper now free from the vehicle the next step is to release the horn loom from both horns. Each horn has two wires going to it, unplug these wires and on the horn in the centre unclip the loom from the crash bar.

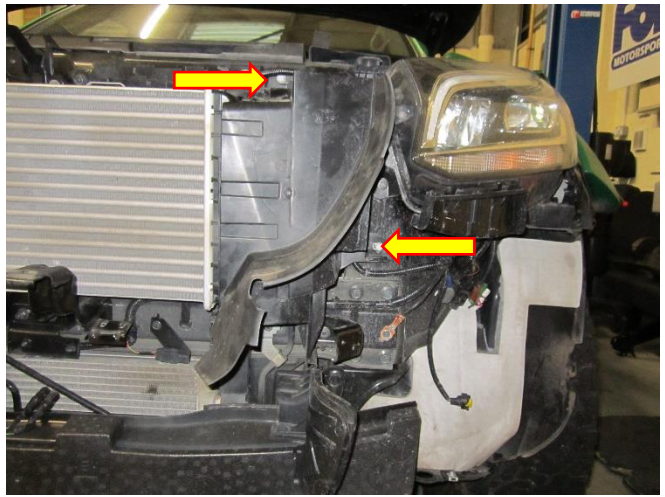
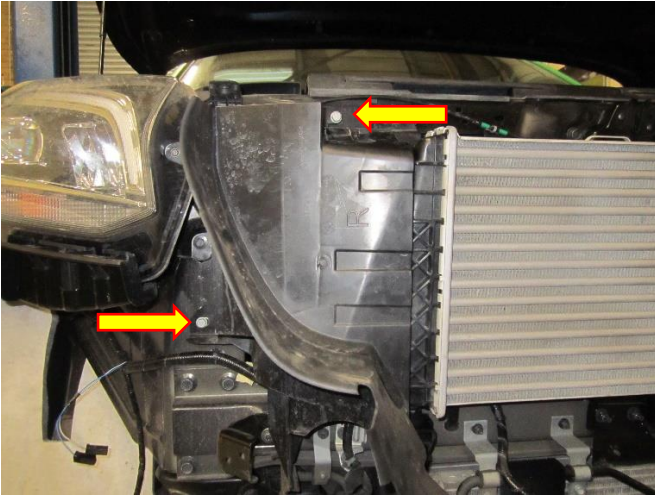


9. At this stage, the crash bar needs to be removed from the vehicle. There are six fasteners that hold it in place two on each end and two in the middle. The two fasteners at the end of the crash bar you will need to bull back the protective foam cover to access the fasteners. Use a 10mm socket and drive to remove all fasteners.

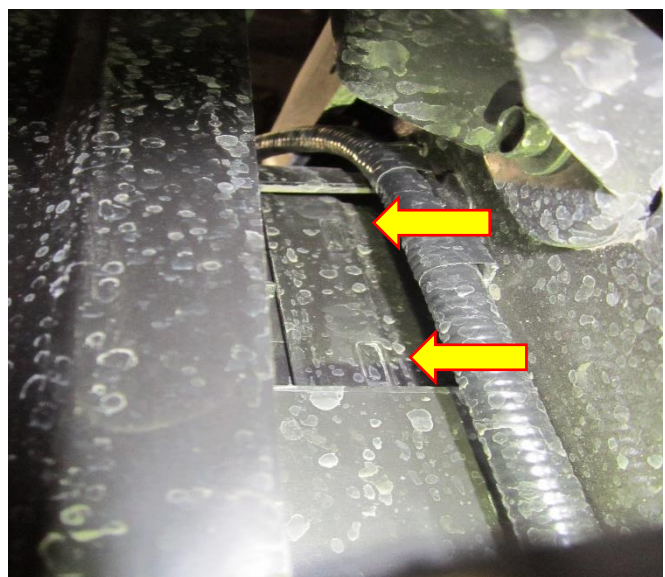




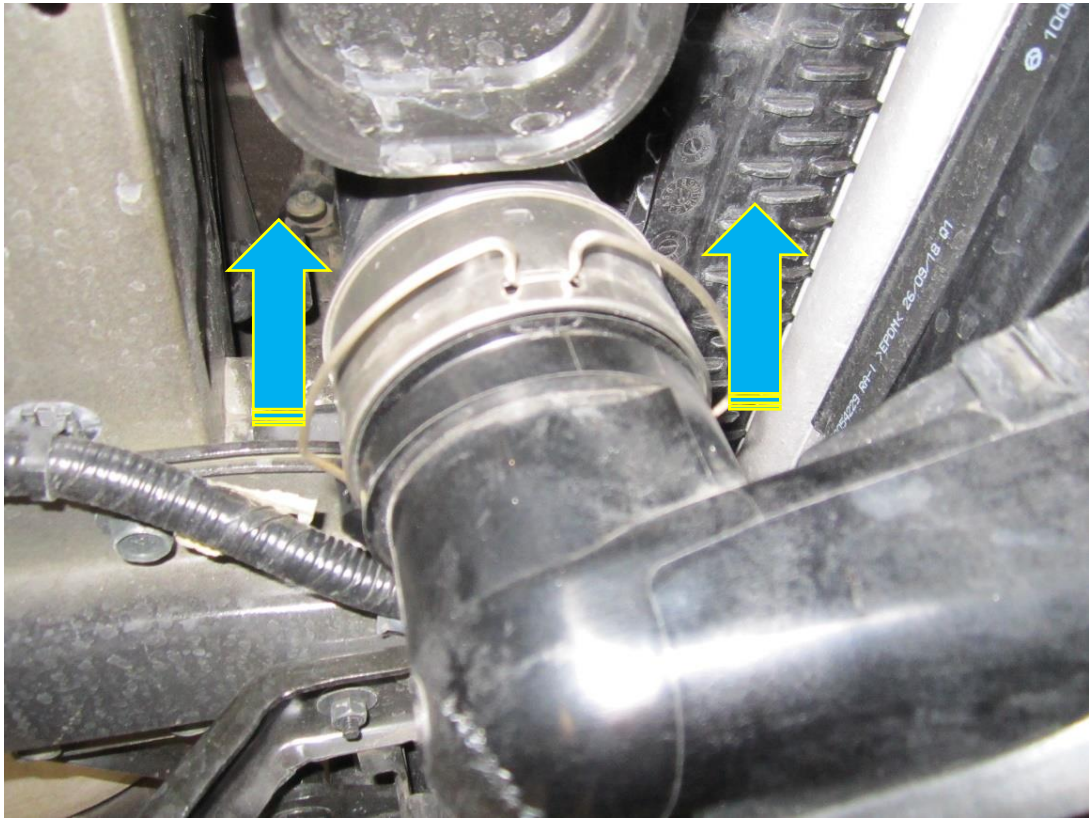
10. There are four fasteners (two each side) that attach the plastic shrouds at each side of the OE intercooler. Use a 10mm socket to remove them



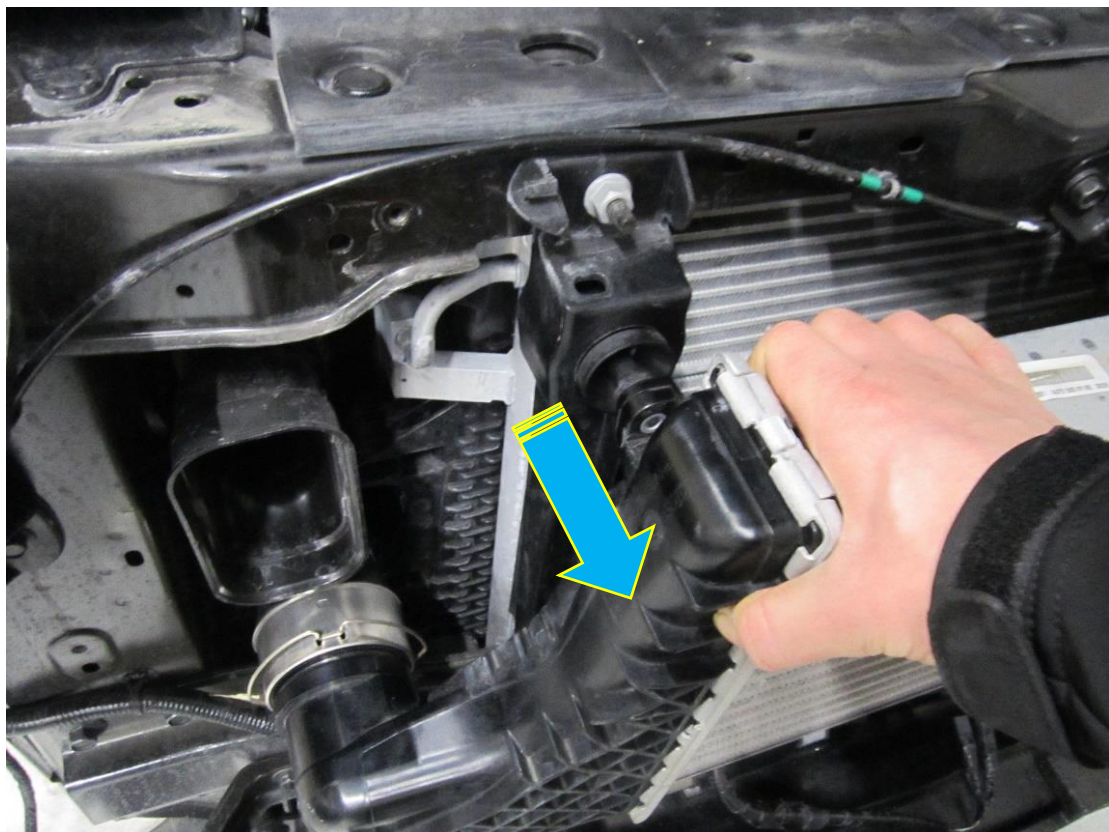
11. To remove the shrouds from the vehicle you need to unattach it from the air intake pipework. Use a flat blade screwdriver to push in the tabs and the shrouds will pull away from the vehicle.



12. On the inlet and outlet on the OE intercooler there are hose clamps which need to be undone. Use a flat blade screwdriver to pull the retaining clip upwards, you will now be able to pull the intercooler free from the boost hoses.

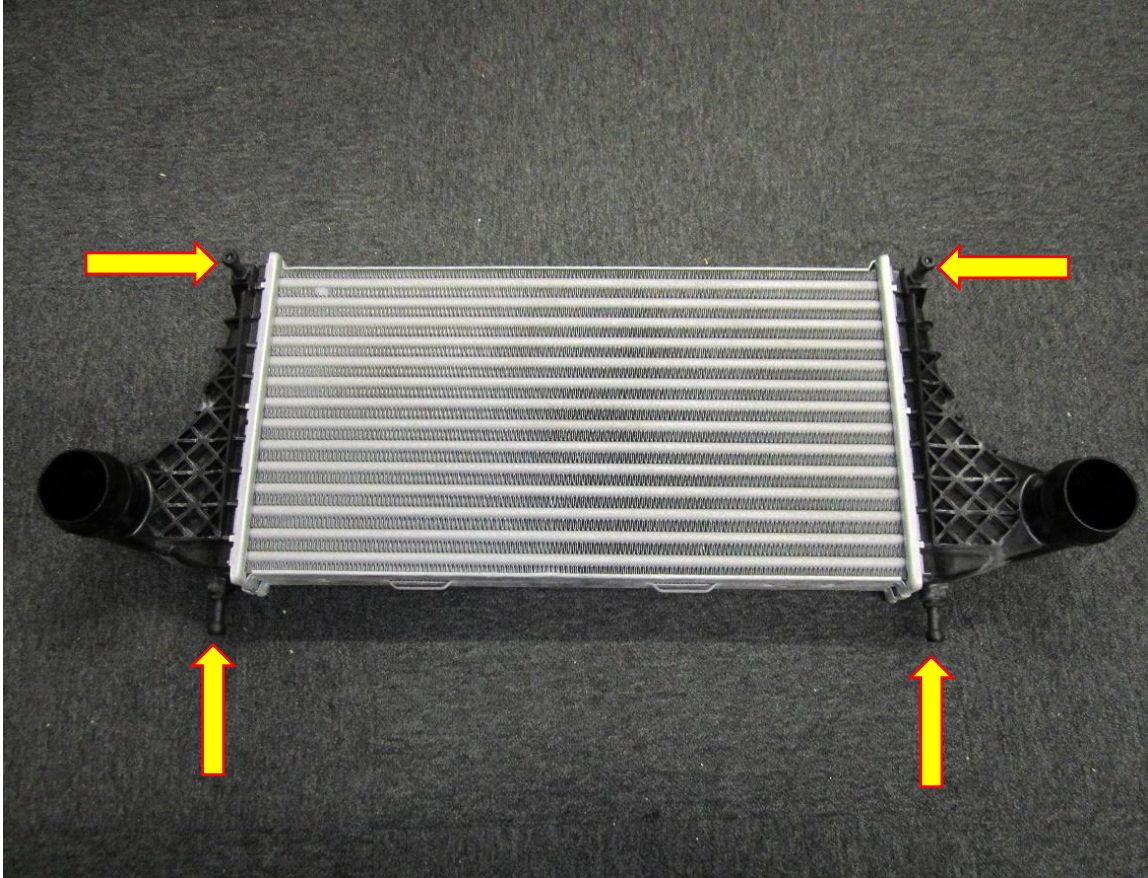


13. The final stage of the OE intercooler removal is to release it from its mounting points. The cooler is held in place with four plastic pegs in rubber grommets, with a sharp pulling motion the intercooler will release. Start with the two at the top pulling towards you, finally pull upwards for the bottom two pegs and the intercooler will come away from the vehicle.





14. With the OE intercooler now removed, you will now need to remove the original mounting pegs. Use a 15mm spanner to do this, turn them anti clockwise to unscrew them.



15. Fit the mounting pegs removed from the OE intercooler and screw them into the four M6 bosses as shown in the pictures below.







16. Now fit the new intercooler by following steps 1-13 in reverse order. With that done your install is now complete. Take the vehicle and go for a drive.





**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.



## **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.