

Ford Focus RS Mk3 Inlet Manifold Fitting Instructions

Tools Required:

- Ratchet and Socket Set
- Torx Sockets
- Jubilee Flex-Driver
- Trim Removal Tool

Kit Contents:

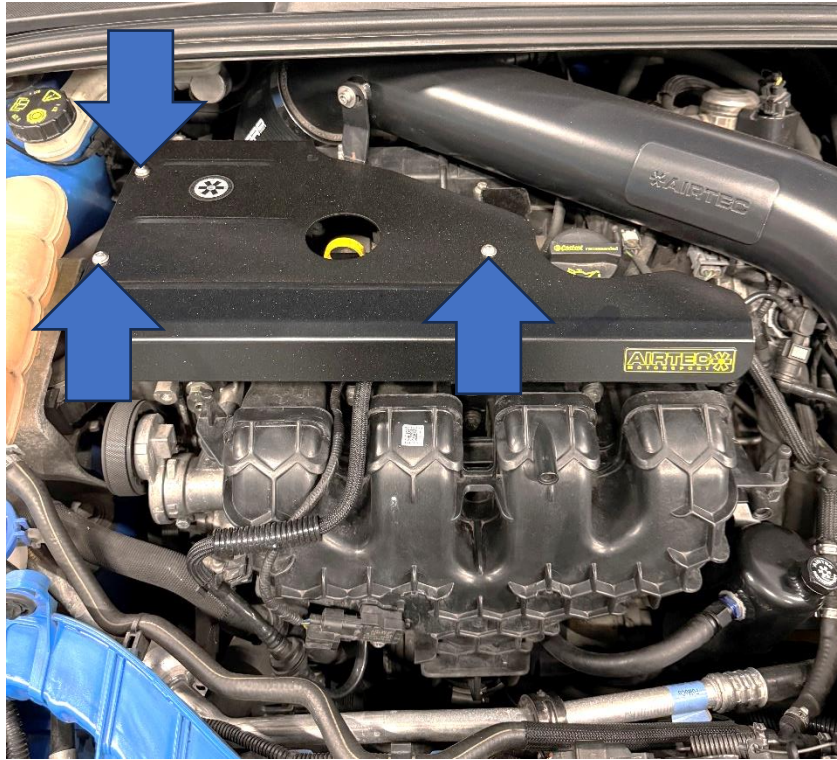
- 1x AIRTEC Motorsport Inlet Manifold (**Please Note:** the pre-production manifold shown in these fitting instructions is slightly different in appearance to the current manifold, but fitting is exactly the same)
- 1x Thermal Gasket
- 1x Left-Hand Engine Cover Bracket
- 1x Right-Hand Engine Cover Bracket
- 2x Engine Cover Locating Pins
- Fitting Kit:
 - 4x Inlet Manifold Gaskets
 - 5x M8x35mm Flanged Socket Head Bolts
 - 4x M6x35mm Socket Head Bolts
 - 1x M5x15mm Button Head Bolt
 - 6x M5x8mm Button Head Bolts
 - 7x M5 Pan Washers
 - 1x 1/8th NPT plug



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

Instructions:

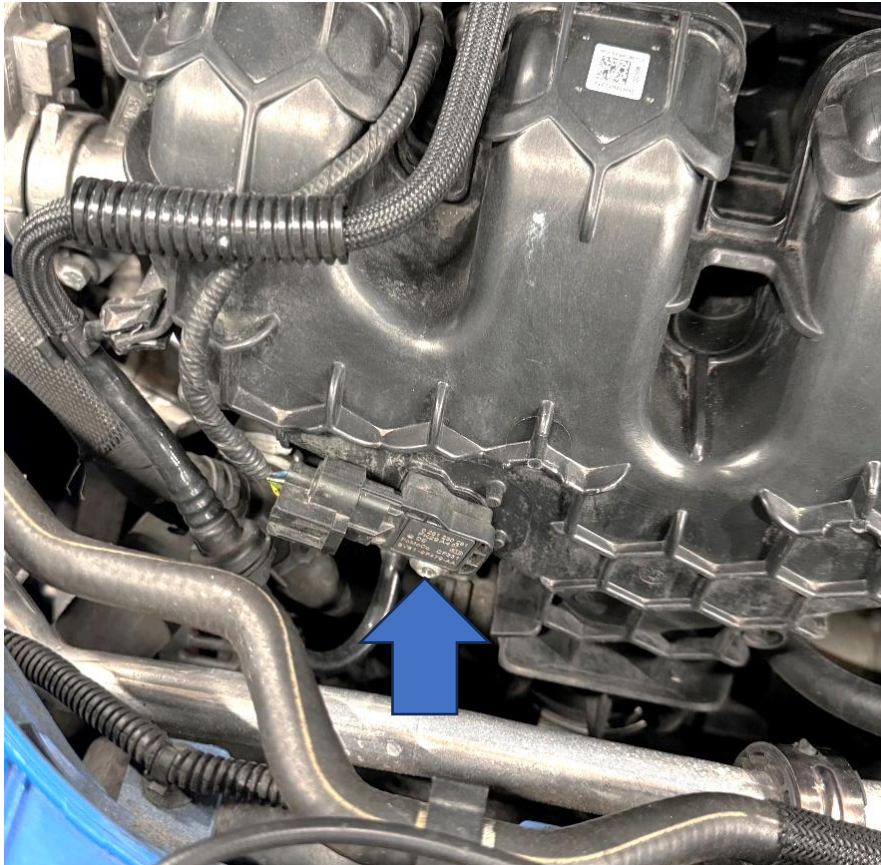
1. Firstly, remove the standard engine cover by lifting it from one corner to detach it from its rubber mounts. **Please note:** The car pictured is fitted with the AIRTEC Motorsport Stage 3+ induction kit, so to remove the engine cover the three 5mm Allen Key bolts highlighted need to be removed.



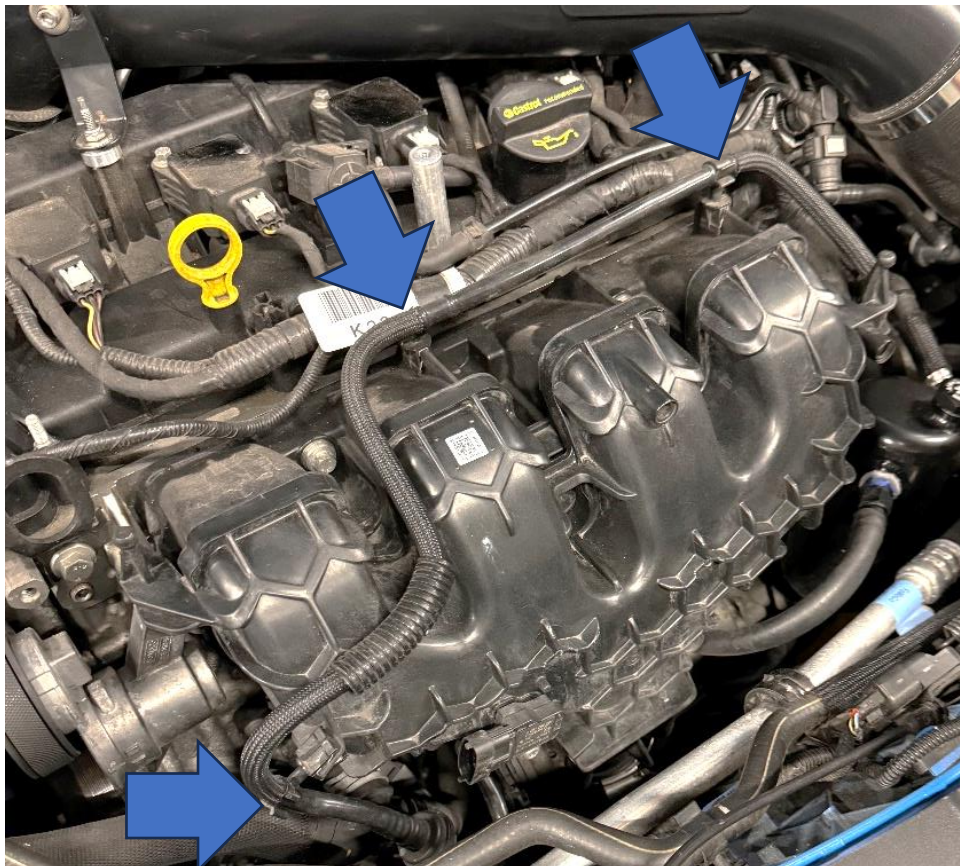
2. Locate and loosen the jubilee clip holding the silicone joiner to the throttle body using a jubilee flexi-driver.



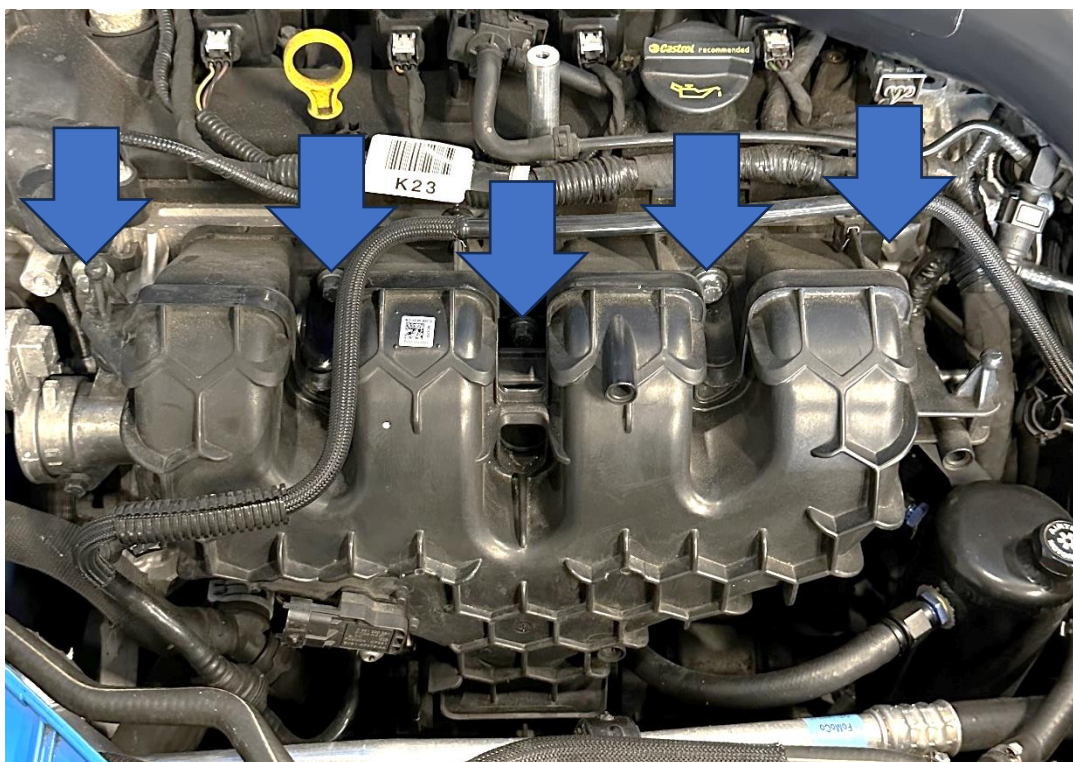
3. Unbolt the MAP sensor attached to the inlet manifold using a T25 Torx socket and locate it out of the way.



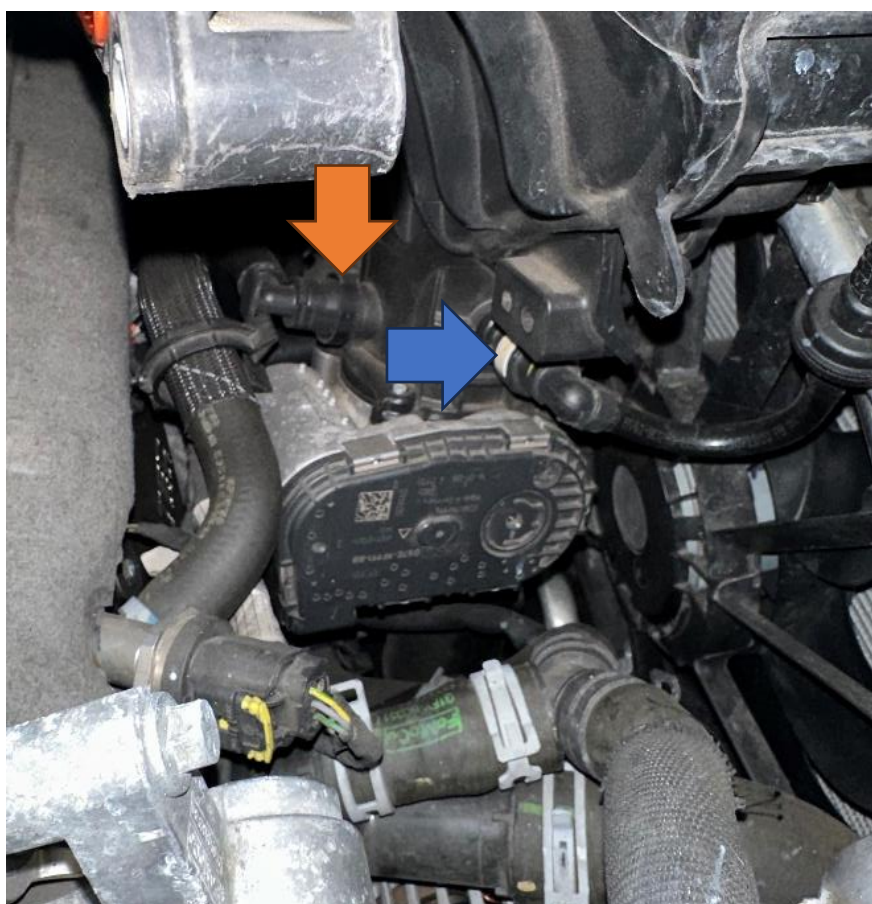
4. Using a trim removal tool or similar, unhook the vacuum pipe from the inlet manifold.



- Using a 10mm socket, undo and remove the five bolts holding the inlet manifold to the cylinder head.



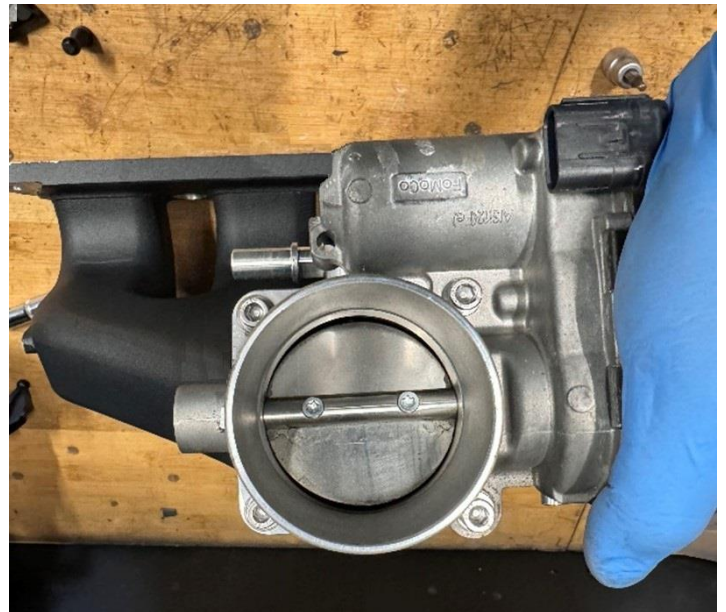
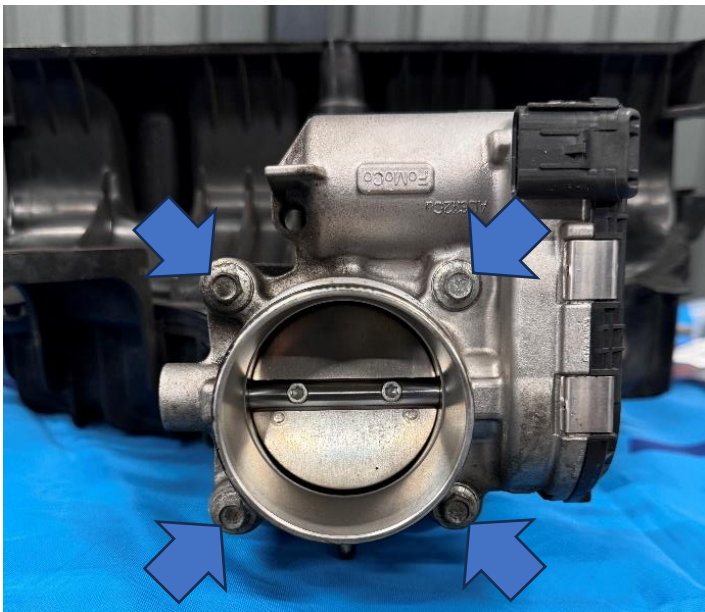
- With the inlet manifold pulled forward slightly, you will be able to gain access to the vacuum fittings on the side and rear of the manifold. Remove these by pushing the white part of the side fitting (blue arrow) in as you gently pull it to release and the rear one squeeze the outer ring (orange arrow) whilst pulling it.



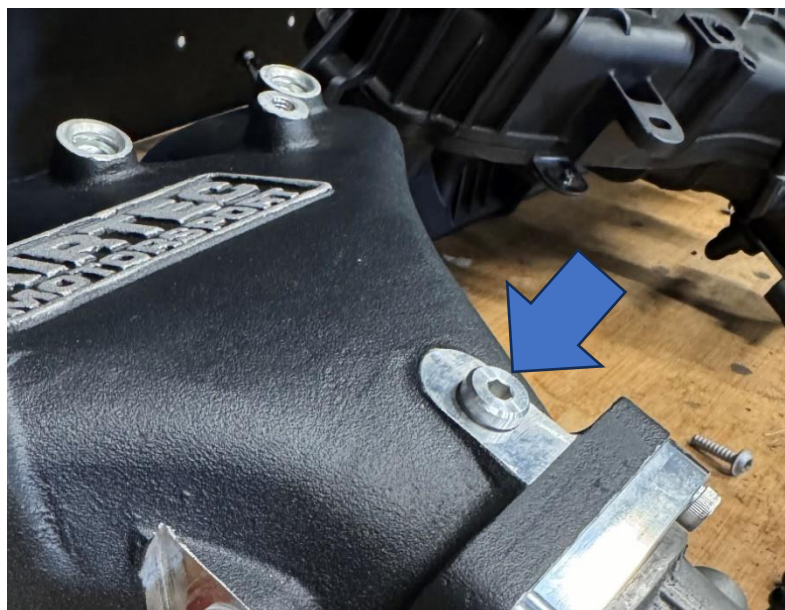
7. You can now access the wiring plug for the throttle body. Pull back the clip to release it, before squeezing so that it comes away. Once free, the inlet manifold can be removed from the car.



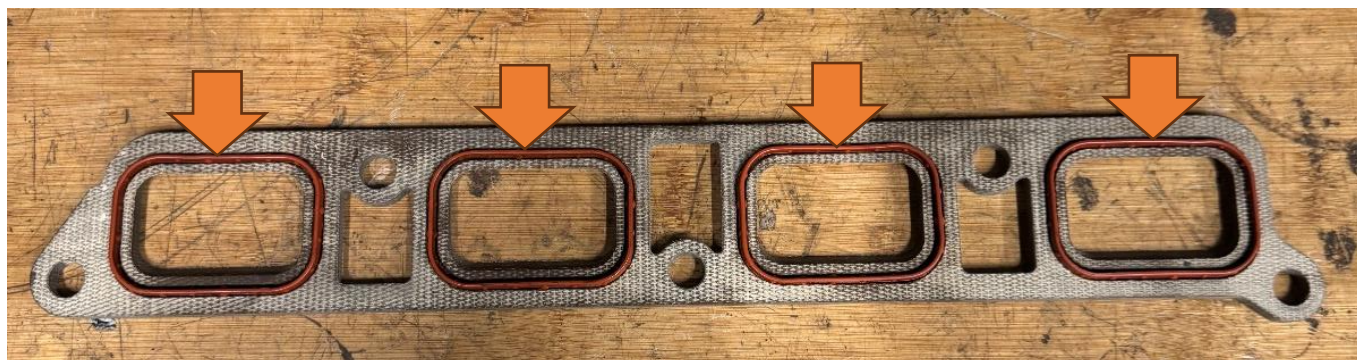
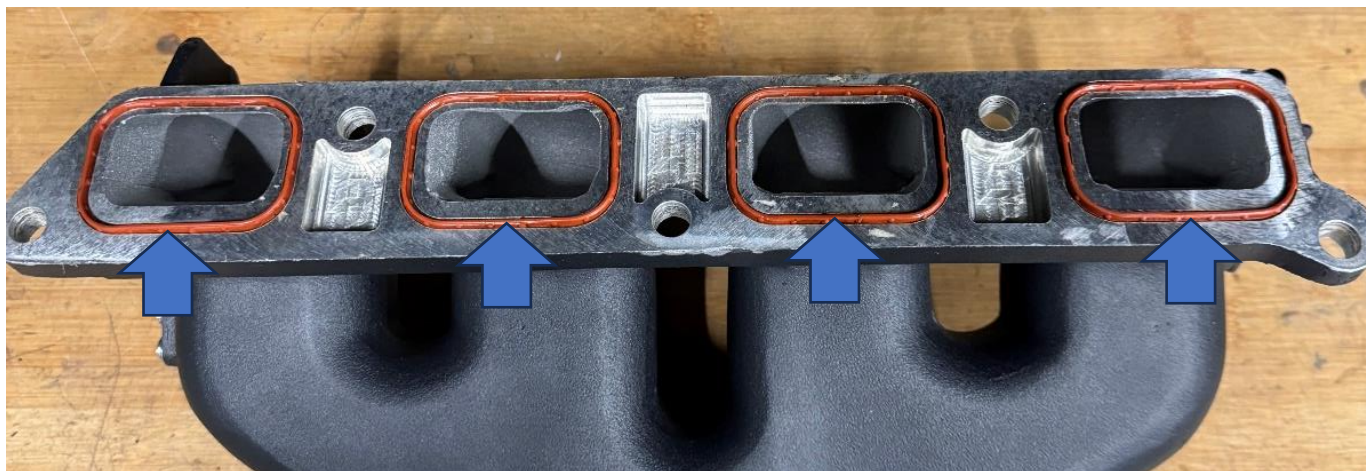
8. With the manifold removed you can now undo the four 8mm bolts holding the throttle body to the manifold and reinstall it, along with the throttle body gasket, onto the AIRTEC Motorsport manifold using the supplied M6x35mm flanged bolts.



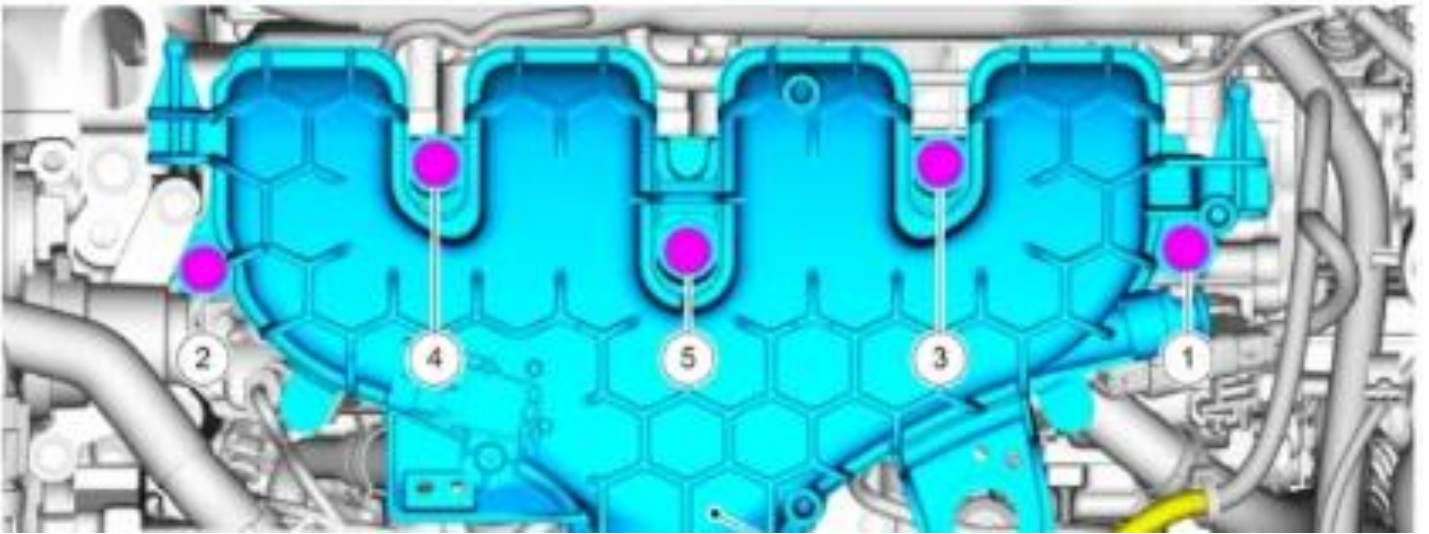
9. Install the supplied NPT plug (blue arrow), if you are not using the take-off.



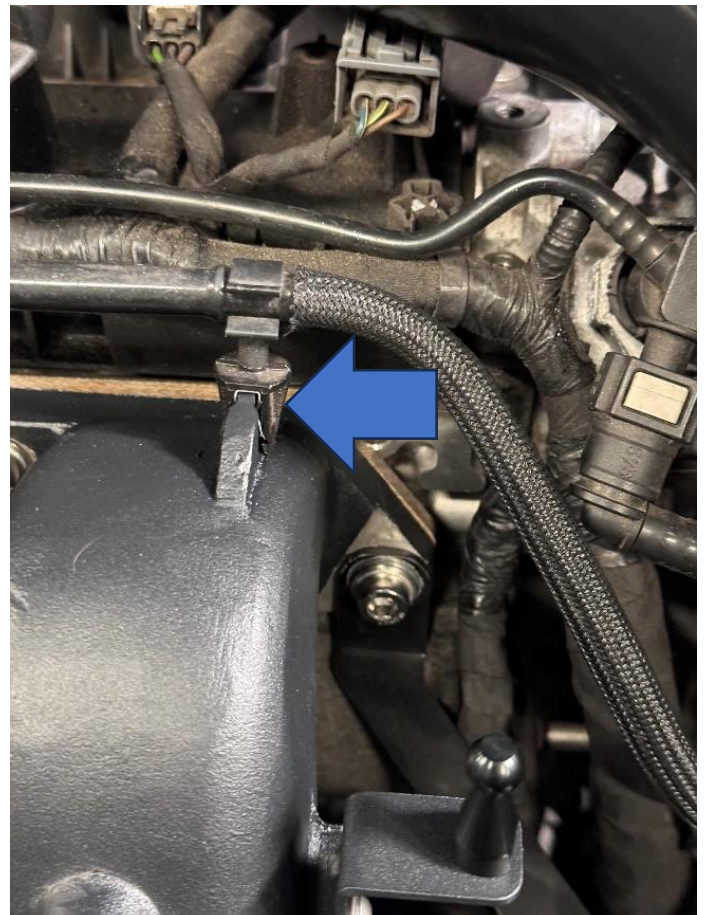
10. Transfer the four rubber gaskets over from the old manifold to the new manifold, as shown (blue arrows). Then fit the four new supplied gaskets onto the supplied thermal gasket, as shown (orange arrows).



11. Fit the thermal gasket in between the cylinder head and inlet manifold and then secure to the cylinder head with the supplied M8 flanged bolts. **Please note:** These are torqued to 20nm and must be tightened in the sequence shown below, we recommend going over these three times.



12. Reinstall the MAP sensor using the supplied M5x16mm bolt and reattach the vacuum line to the cast tab on top of the manifold.



13. If you are using an original Ford engine cover, then install the supplied pins onto the sided brackets using the supplied M5 bolts and washers and then install the brackets onto the car, as shown. You can then reinstall the engine cover. **Please note:** If you have an AIRTEC Motorsport engine cover then there is no need to install these side brackets, simply refit the engine cover.



14. Finally, check everything is seated correctly and secure.

