

# Yaris GR Big Boost Pipe kit Fitting Instructions

Tools needed:

- Socket set
- 12mm Spanner
- Jubilee flexidriver
- Allen key set
- Trim removal tool or flat bladed screwdriver

Kit Includes:

- 1 x Large Airtec motorsport cast throttle body elbow
- 1 x Aluminium Coldside pipe
- 1 x Aluminium Hotside pipe
- 4 x Pro hoses silicone hoses
- 1 x M8 x 12mm cap head bolt with washer
- 7 x jubilee clips

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

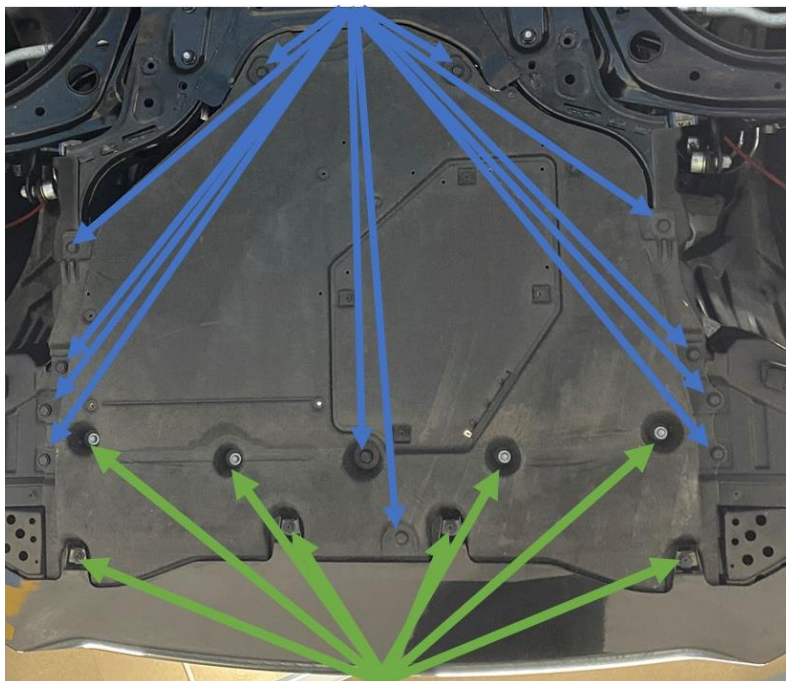


## Instructions:

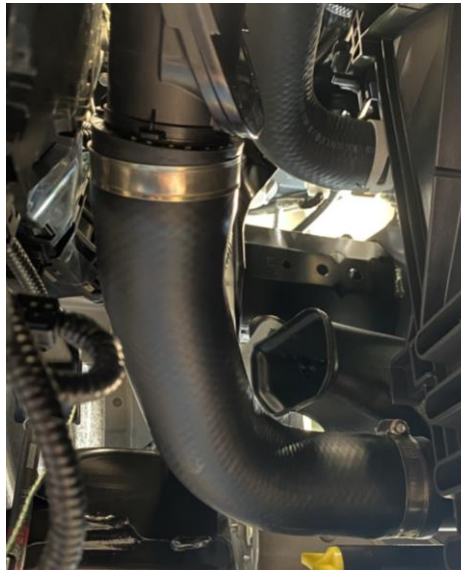
1. Raise the vehicle using either a ramp or a jack and axle stands following the manufacturers guidance and ensure it is secure.
2. Open bonnet, secure and remove the engine cover by pulling upwards on each corner to release it from its rubber mounts.



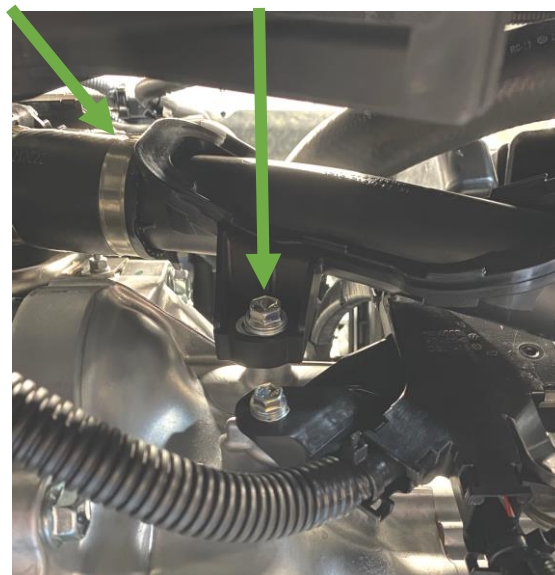
3. Working under the vehicle you will need to remove the undertray by undoing the x 4 10mm holding the undertray to the bumper, followed by the 4 x 10mm bolts behind that and then work round removing x 12 plastic clips using a trim removal tool. Place the undertray aside.



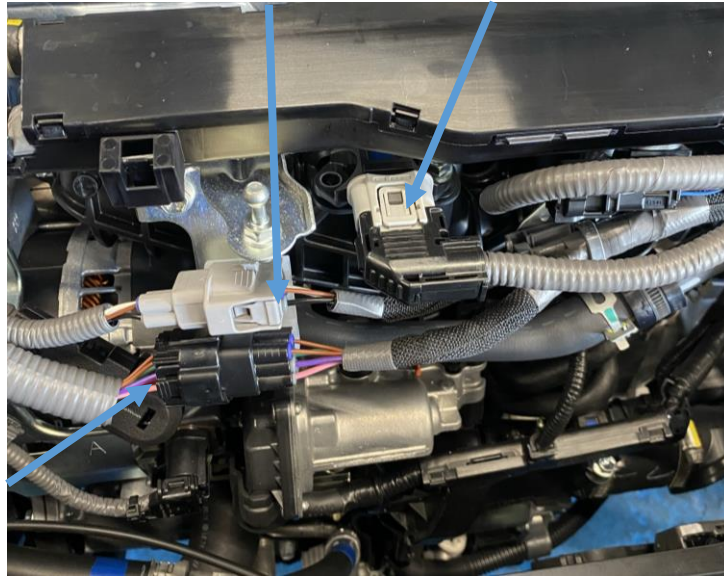
4. With the undertray removed you can now remove the stock boost pipe from the intercooler or remove the silicone hose that came with your Airtec motorsports intercooler. For the stock hose it will be a 10mm to undo the hose clip for the PRO hoses silicone it will be a 7mm.



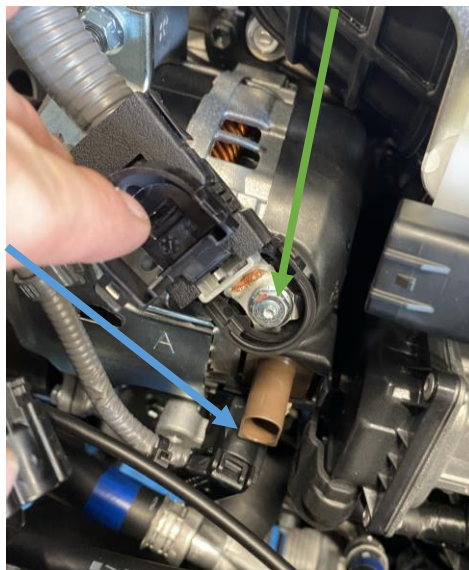
5. Undo the 10mm for the hose clip holding on the hose on the other end of the straight pipe and then undo the 12mm bolt holding the pipe to the gearbox. Remove the pipe from the car. (You may need to undo the hose clip from the top before undoing the bolt from below, depending if you can get access to your hose clip from below.)



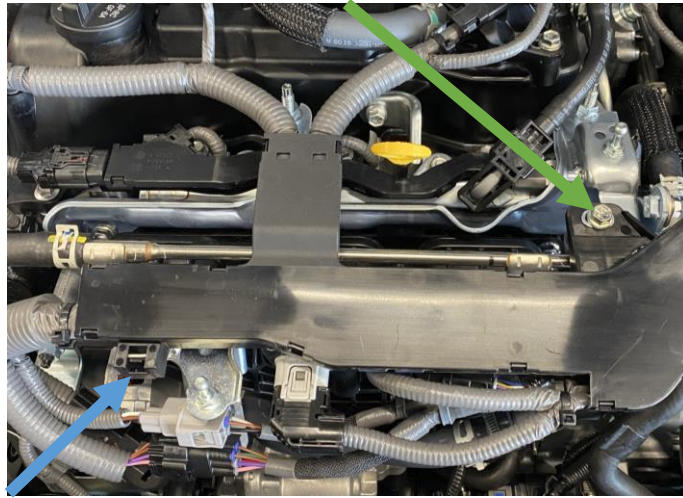
6. Working from above now you will need to start by disconnecting these three plugs. If you push on the highlighted places with a finger and then pull the plug it will release.



7. Undo the 10mm nut from the alternator and unclip the plug below. (This is a live cable and so please take appropriate precaution when undoing this and moving the cable out of the way, we recommend you disconnecting the battery which is located in the boot before this step.)



8. Undo the 10mm nut and then push in the clip holding the wiring harness in and then fold it back so it is out of the way.



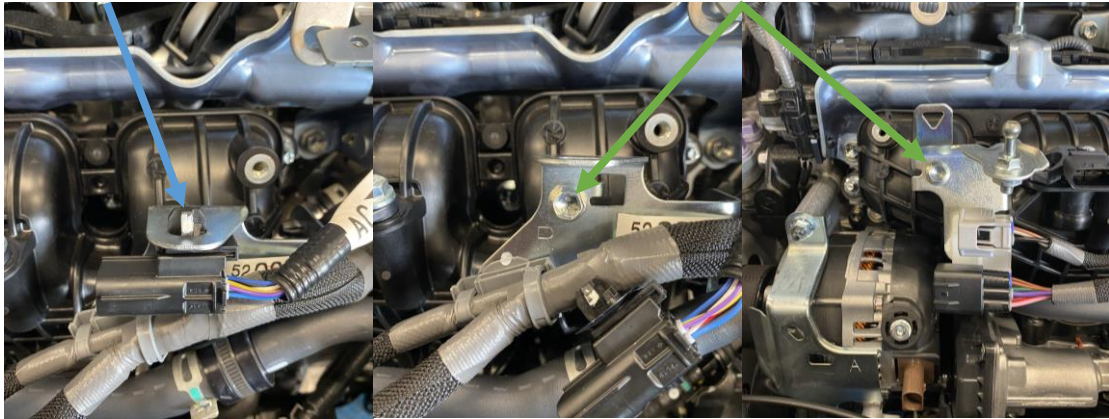
9. Unclip the coolant line from the breather line by removing it from the clip.



10. Undo the 3 x 10mm bolts holding the coolant hard pipe above the inlet manifold and move the hard pipe back so that it is out of the way.



11. Remove the plug shown below by squeezing either side of the clip and pulling the plug down, it will reveal a 10mm bolt remove this one and the one holding the plugs on the other side and move the wiring out of the way of the inlet manifold.



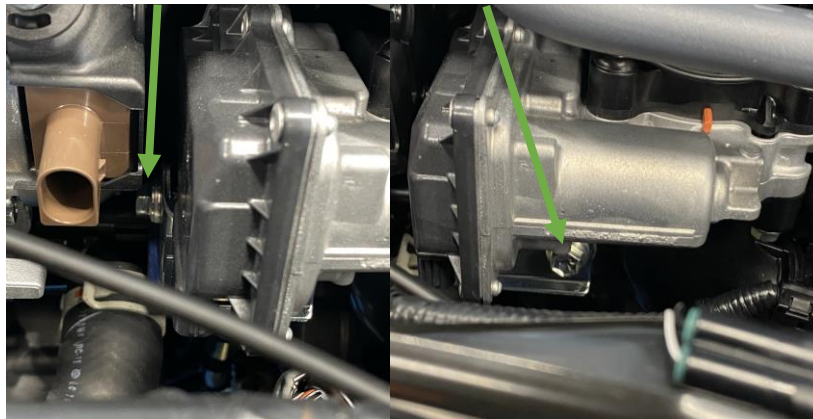
12. Unclip the pictured plug by pushing in on the blue button and pulling the plug backwards.



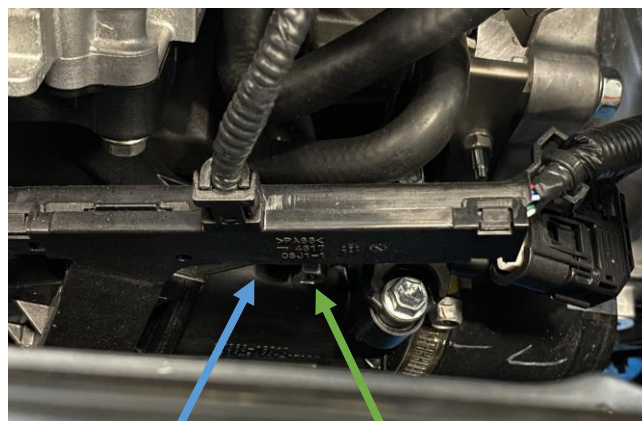
13. Disconnect the breather hose.



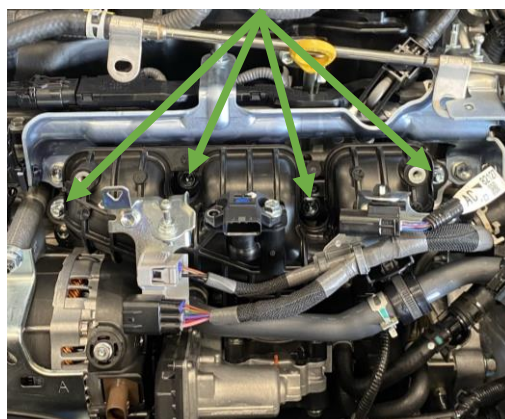
14. Loosen the 12mm bolt shown, best to use a 12mm spanner due to the access and you only need to loosen it by 1 to 2 turns just so that it is not holding the bracket tightly. Remove the 12mm going into the throttle body elbow and the bracket should be able to move down out of the way.



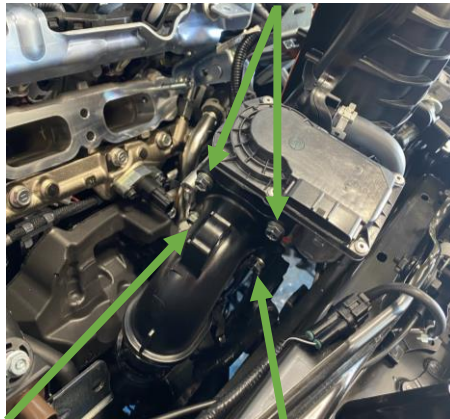
15. Undo the 10mm bolt holding the wiring harness to the plastic throttle body elbow and use a trim tool or flat bladed screwdriver to unclip it and then move it towards the front of the car so that it is out of the way



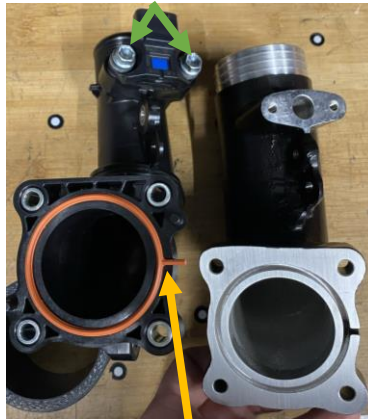
16. Undo the 2 x 12mm nuts and 2 x 12mm bolts to loosen the inlet manifold. The throttle body has coolant lines going to it and so the inlet manifold cannot be removed from the car, rotate it to the right and position is so that you can get access to the plastic throttle body elbow bolts. It is recommended you cover the inlet ports whilst you follow the next few steps to avoid any accidents.



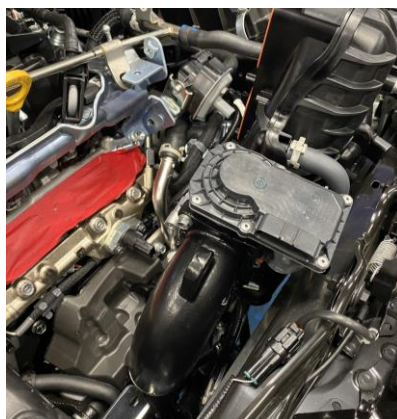
17. Loosen Undo the 4 x 10mm bolts holding the plastic elbow to the inlet manifold. The throttle body also becomes loose at this stage. Remove the plastic elbow from the car.



18. The Undo the 2 x 10mm bolts holding the MAP sensor to the elbow and swap it on to your new Airtec motorsport one reusing the original bolts, remove the gasket from your original one and place it into the groove on your new one.



19. Reinstall your new Airtec motorsport elbow back onto the car by reusing the original bolts, making sure you sandwich the throttle body in between the elbow and the inlet manifold.



20. Reinstall the rest of the inlet manifold in the reverse of the above process. The wiring harness will clip back and bolt back in reusing the original bolt, the bracket can also be reinstalled using the original bolt. Once the inlet manifold is bolted back in go back and tighten the 12mm bolt that was loosened in step 14.



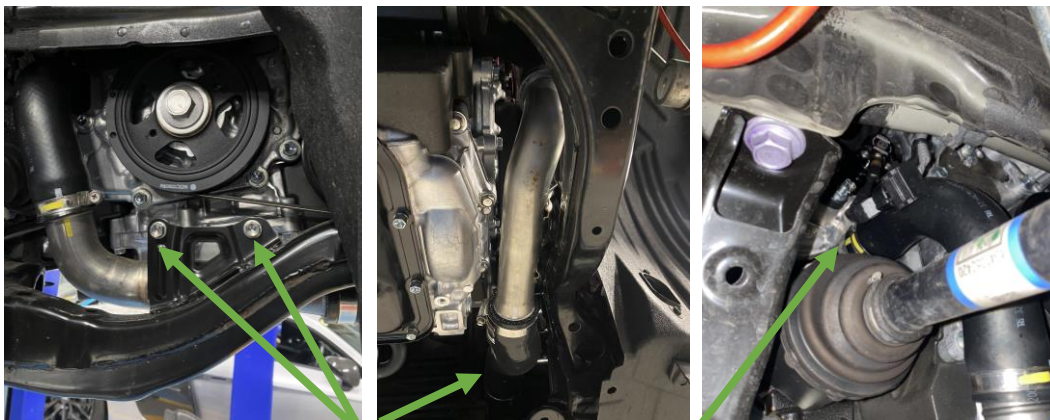
21. Once reinstalled connect the silicone coupler with jubilee clips on to the end of the throttle body elbow and then install the new hard pipe using the supplied M8 Cap head bolt and washer. Tighten the jubilee clips.



22. Install the silicone to the intercooler with the supplied jubilee clips and tighten once happy with the positioning of the pipework and hose.
23. To install the hot side of the pipework you will first need to remove the panel inside the right hand side wheel arch by removing 2 x plastic trim clips.



24. Undo the jubilee clips holding silicone hose to the intercooler and also the one holding the silicone to the turbo. (If you already have our intercooler installed the jubilee on the intercooler will be a 7mm however if it stock then it will be 10mm) Undo the 2 x 10mm bolts holding the pipe to the chassis and then remove the whole assembly from the car.



25. Insert the new silicones onto the turbo and intercooler with jubilee clips but do not tighten at this stage.



26. Install the new pipe and once happy with the position reuse the original bolts to install on to the car, tightening the left hand bolt first. Once installed and happy with the silicone positioning tighten the jubilee clips.



27. Reinstall the panel inside the wheel arch and then reinstall the undertray in the reverse of the removal.