

# Toyota Yaris GR Stage 3 Oil Cooler Fitting Instructions

## Tools/parts Required:

- Ratchet and Socket set
- Trim removal tool
- Oil filter removal tool
- Oil filter (recommended)
- Adjustable aluminium spanner for hose fittings
- Oil of the correct grade to top up after installation (refer to the vehicle's handbook)

## Kit Contents:

- 1x AIRTEC Motorsport Oil Cooler
- 2x AN10 oil lines
- 1x Air Scoop Centre Section
- 2x Air Scoops Left and Right (for full height intercooler)
- 2x Air Scoops Left and Right (for original crash bar)
- 2x Oil Cooler Brackets (Left and Right)
- 4x M6x16mm Socket Head bolts
- 4x M6x14mm Socket Head bolts
- 4x M6x14mm Button Head Bolts
- 1x M6x30mm Socket Head Bolt
- 21x M6 Pan Washers
- 8x M6 Nyloc Nuts
- 1x M6 spacer (20mm x 7mm)
- 6x Large Rubber Trims (45mm/50mm/90mm/220mm/195mm/230mm)
- 2x Small Rubber Trims (125mm)
- 3x Self-adhesive Foam

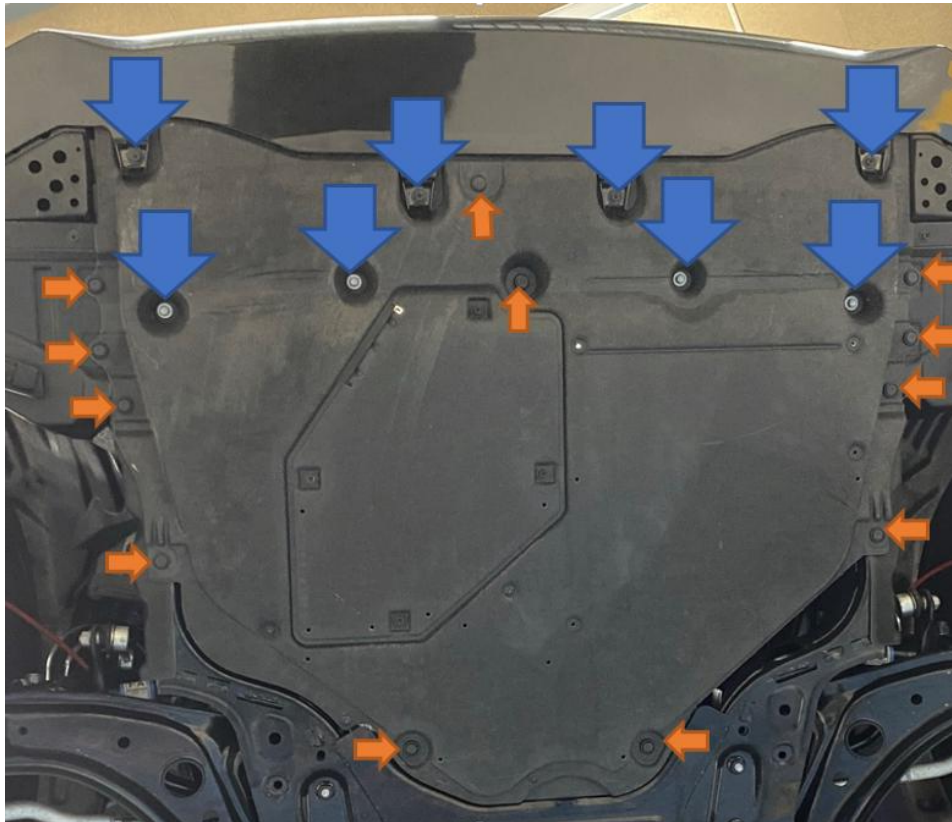


PLEASE THOROUGHLY READ THESE INSTRUCTIONS AND MAKE SURE YOU ARE FAMILIAR  
WITH THE STEPS BEFORE CARRYING THEM OUT

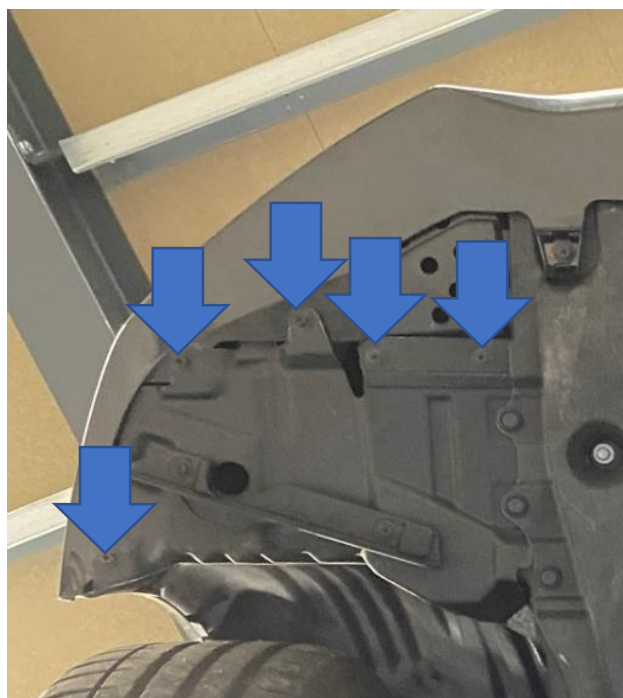
**PLEASE NOTE:** Please take extra care when routing the oil lines to ensure they do not and cannot foul on anything, as this can cause the line to fail. The kit has been specifically and carefully designed to allow the lines to fit without fouling on anything.

# Instructions

1. From underneath the car, release the undertray by removing the eight 10mm bolts attaching it to the bumper, (blue arrows) followed by the 12 plastic clips (orange arrows) situated around the undertray using a trim removal tool.



2. Still working under the car remove the five 10mm bolts on either side holding the arch liner to the front bumper.





3. Working under the bonnet, remove the two 10mm bolts and two plastic clips (blue arrows) using a trim removal tool and disconnect the plug on the right-hand side (orange arrow).



4. Inside each arch liner, remove the plastic push fit trim clip and then carefully unclip the two trim clip tabs and pull them apart to release each side of the bumper.





5. Now you can undo the 10mm bolts holding the wing to the bumper each side and as you do, a plastic wedge will come out with it. This is what secures the two parts together. They are different colours so ensure you remember which came from which side.



6. Carefully but firmly pull the edges of the bumper to release. Then, with the help of a second person holding the bumper, disconnect the plugs each side for the fog lights. The bumper can now be stored safely. Remove the foam support from the crash bar, this simply pulls off.

**PLEASE NOTE:** If you are fitting the oil cooler with a **STANDARD** crash bar and not our Stage 3 intercooler package, you will need to bend these two tabs back ( blue arrows) to allow the oil cooler to clear.

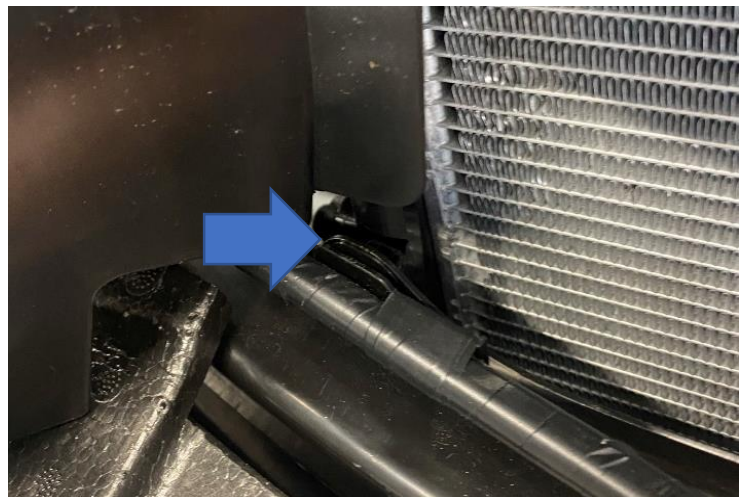
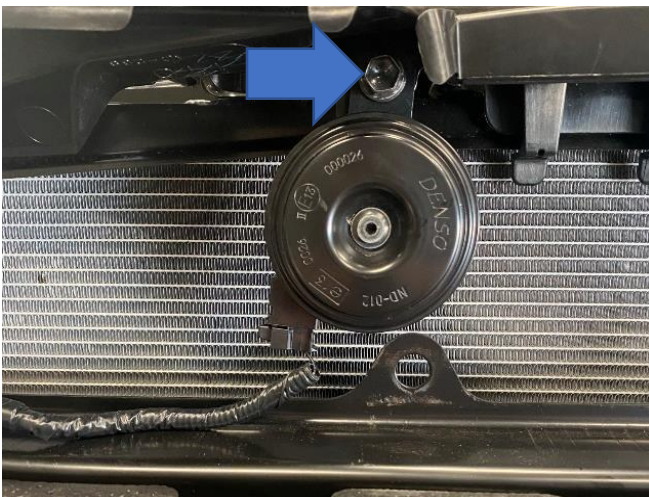




7. Remove the lower plastic trim by removing the three plastic clips using a trim removal tool.



8. Remove the 10mm bolt holding the horn to the crash bar and then unclip the wiring harness further along.



9. Remove the original plastic air guide from above the crash bar by releasing the plastic clips.



10. Prepare the oil cooler for installation by installing the three supplied foam pads on top of the oil cooler. Now you can install the brackets by placing them between the oil cooler and air guide. Once aligned, secure using the supplied M6x14mm Socket Head bolts with washers.

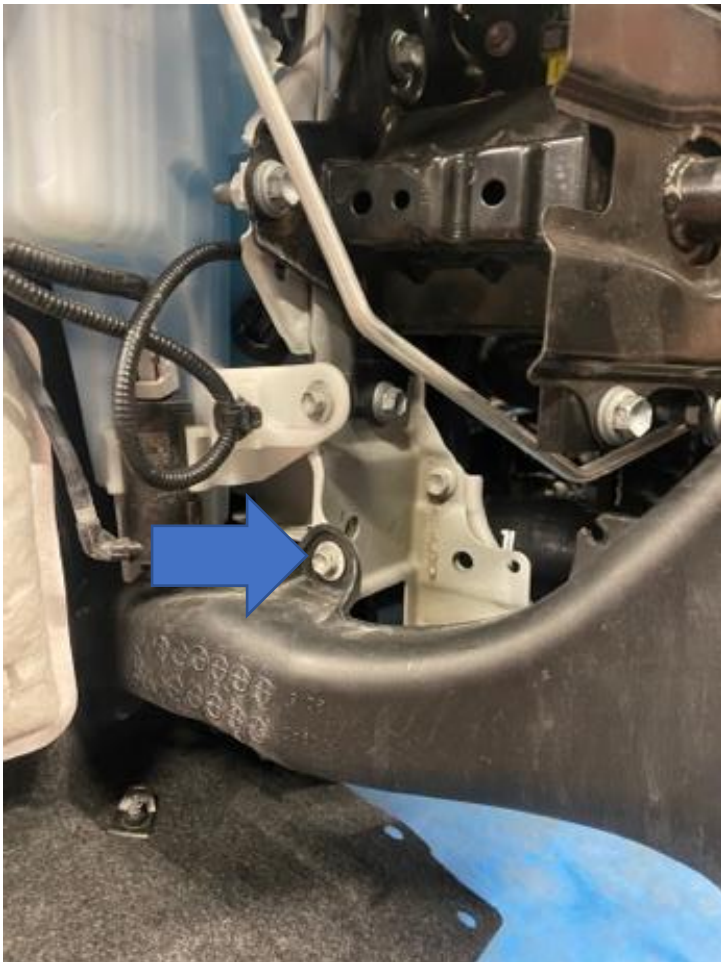




11. You can now install the supplied rubber trims, which have been cut specifically for each section of this air guide. Please examine the picture below carefully for guidance.



12. Remove the 10mm bolt (blue arrow) and install the supplied M6 spacer along with the horn behind the brake cooling guide bracket, as shown. Secure with the supplied M6x30mm Socket Head bolt and washer.





13. Now install the oil cooler by utilising the existing holes either side of the bonnet latch. Secure using the supplied M6x16mm Socket Head bolts with M6 washers and Nyloc nuts.

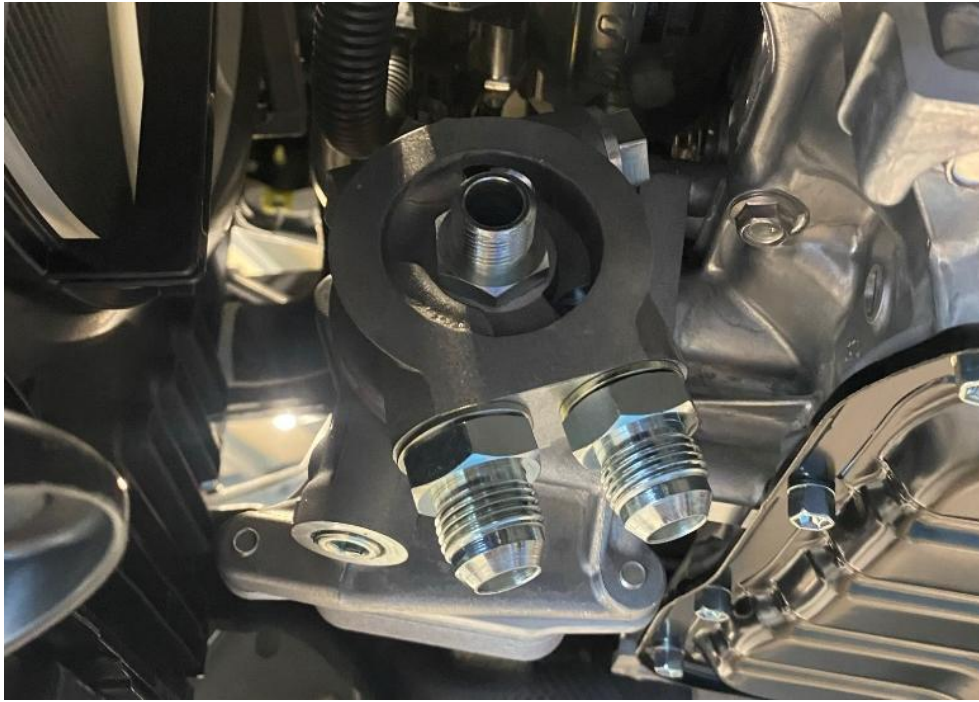


14. From under the car, locate the oil filter and remove. Be ready to collect any dropped oil.





15. Install the sandwich plate using the provided adaptor and fully tighten fittings. Then reinstall the removed oil filter or fit a new oil filter.



16. Now install the oil lines. The shorter line goes to the left-hand side of the cooler and feeds through underneath the headlight to the sandwich plate fitting nearest the front of the car, as pictured. The longer one goes from the right-hand side to the rear sandwich plate fitting.

**PLEASE NOTE:** Please take extra care when routing the oil lines to ensure they do not and cannot foul on anything, as this can cause the line to fail. The kit has been specifically and carefully designed to allow the lines to fit without fouling on anything.



17. You can now install the sides onto the air guide by using the supplied M6x14mm Button Head bolts with Nyloc nuts and washers. Once secure, install the two small rubber trims on the air guide sides. Then check everything has been secured correctly, is fully tightened.



18. Finally, top up the oil and start the car. Look immediately for leaks from any of the four connections and the oil filter. If so, turn the engine off and retighten the fittings if needed. Then let the car get to full operating temperature, recheck the oil level and top up if required.

Once the level is correct, refit the bumper and undertray in reverse of removal.



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