

# Toyota Yaris GR Stage 1

## Oil Cooler Fitting Instructions

### Tools 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 | • 1x M6x16mm Hex Head bolts |
| • 2x Oil lines                    | • 10x M6 washers            |
| • 2x Oil line separators          | • 1x M6 Nyloc nut           |
| • 1x Thermostatic sandwich plate  | • 4x M8x60mm Cap Head bolts |
| • 2x Mounting brackets            | • 2x M8x16mm Cap Head bolts |
| • 4x Spacers                      | • 2x M8 Nyloc nuts          |
| • 2x Billet mounting blocks       | • 4x M8 Washers             |
| • 8x M6x12mm Button Head bolts    |                             |

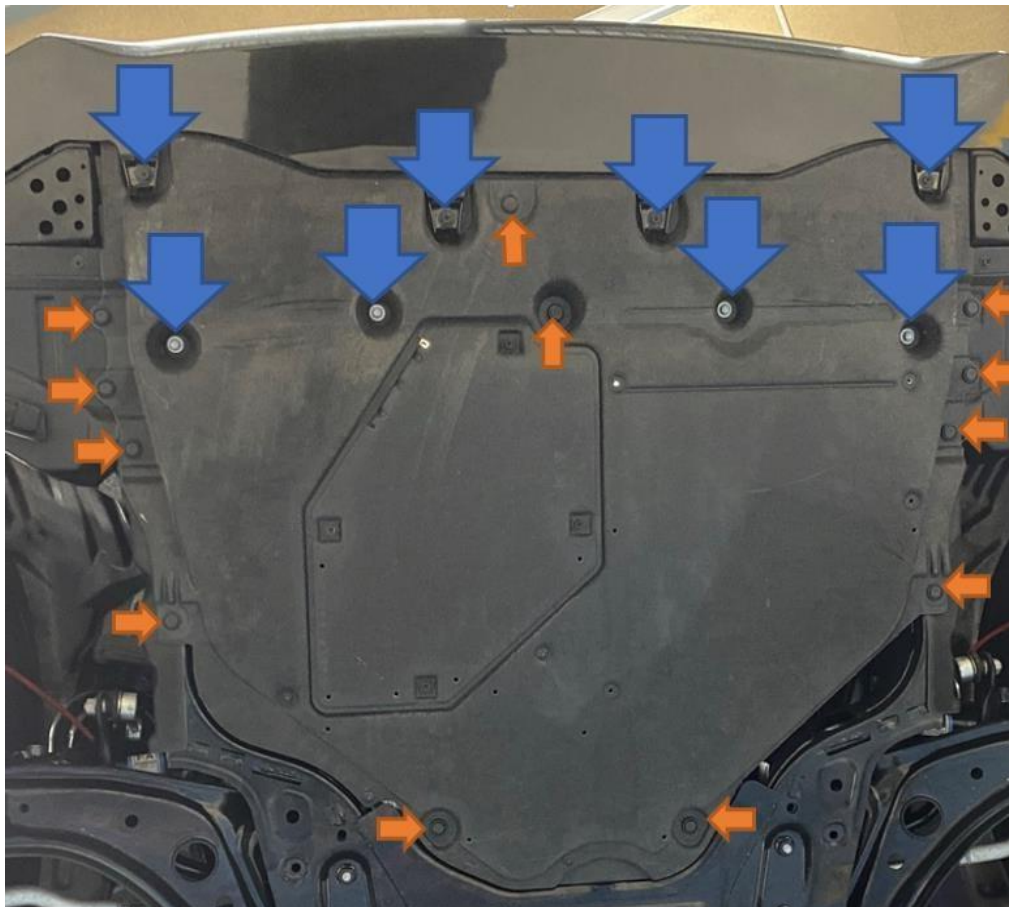


PLEASE THOROUGHLY READ THESE INSTRUCTIONS AND MAKE SURE YOU ARE FAMILIAR WITH THE STEPS BEFORE CARRYING THEM OUT

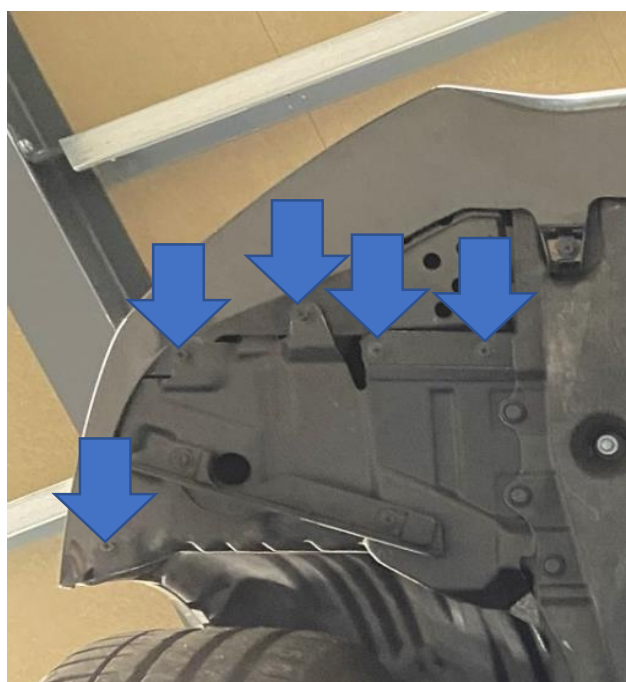
**PLEASE NOTE:** Please take extra care when routing the oil lines to ensure they do not and cannot foul on anything, as this can cause the line to fail. The kit has been specifically and carefully designed to allow the lines to fit without fouling on anything.

# 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).

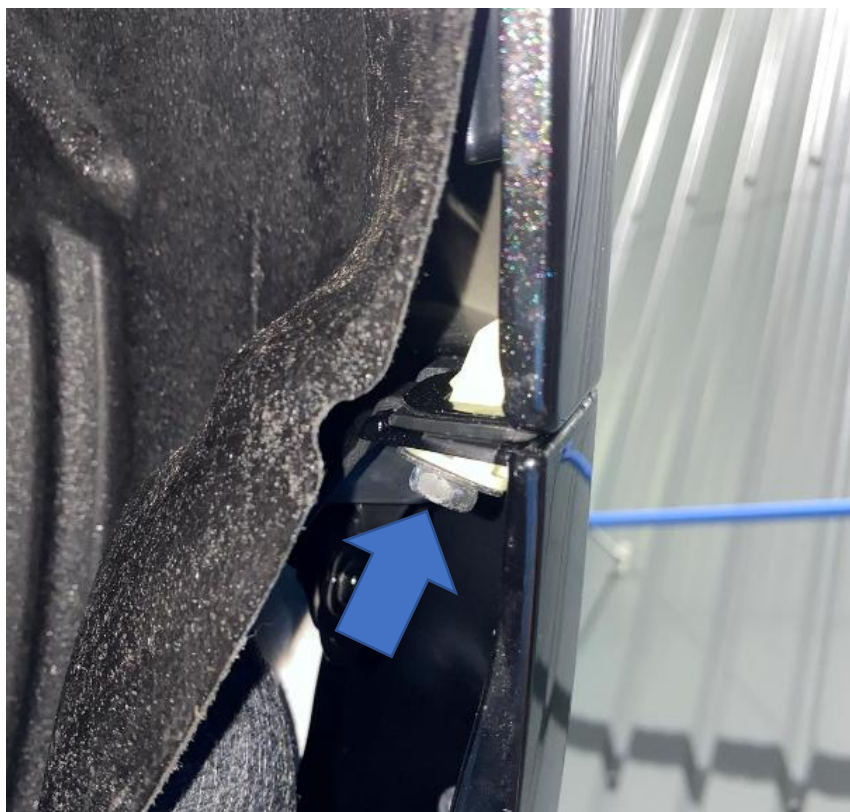


4. Inside each arch liner, remove the plastic push fit trim clip and then carefully unclip the two trim clip tabs and pull them apart to release each side of the bumper.





5. Now you can undo the 10mm bolts holding the wing to the bumper 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.



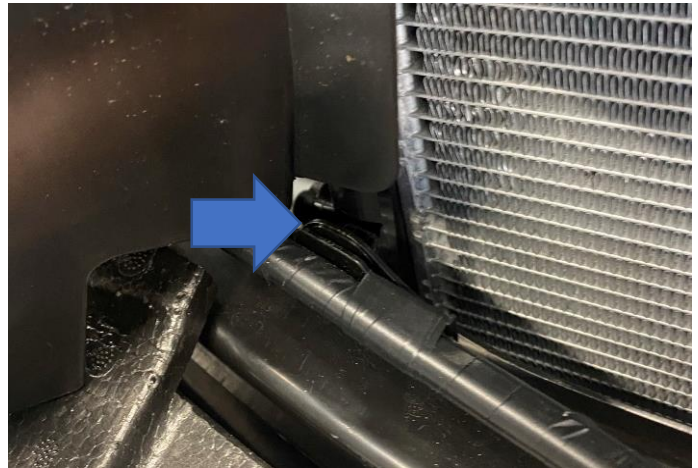
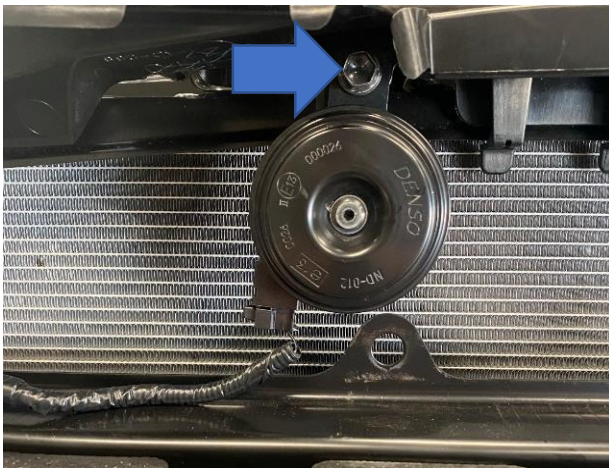
6. Carefully but firmly pull the edges of the bumper to release. Then, with the help of a second person holding the bumper, disconnect the plugs each side for the fog lights. The bumper can now be stored safely. Remove the foam support from the crash bar, this simply pulls off.



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. Reinstall the horn in the position shown below using the M6 Hex Head bolt and Nyloc nut with washers.

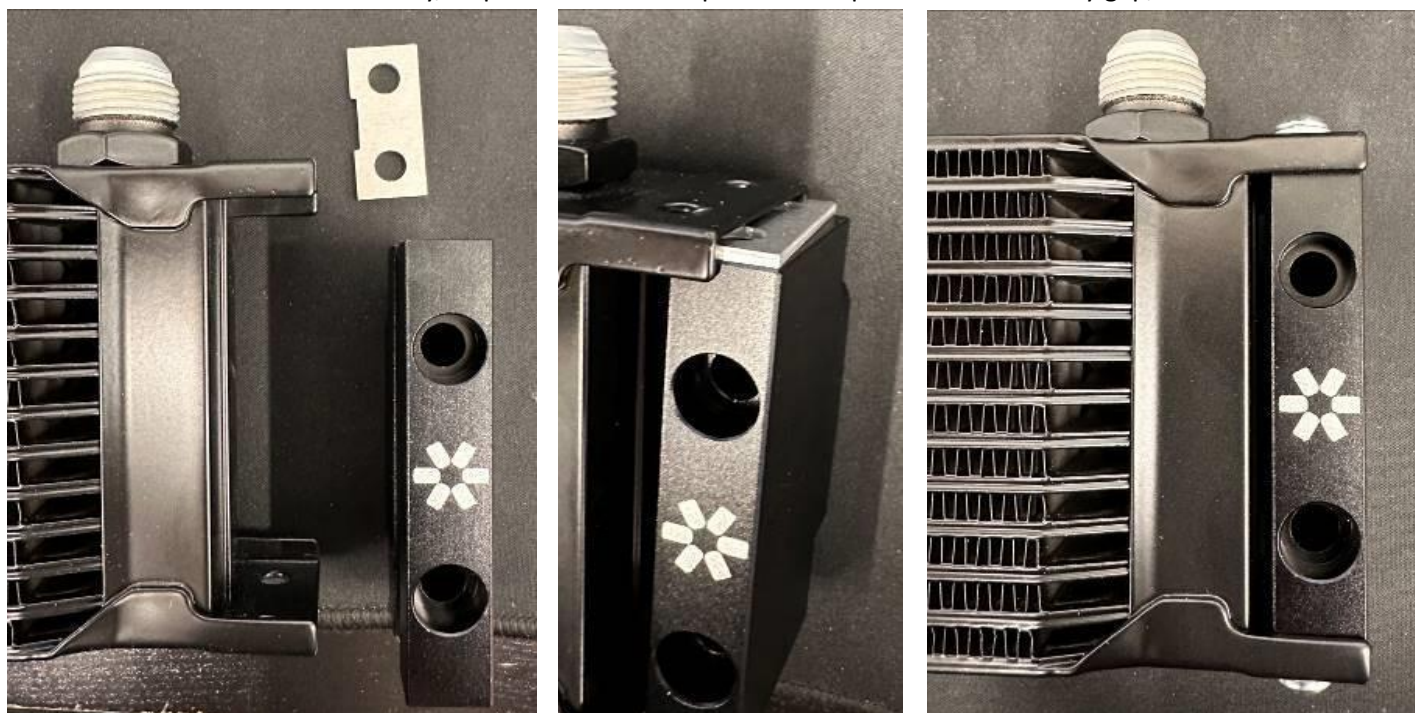


10. Install the oil cooler bracket on to the car using the supplied M8 bolts with washers and nuts. It will line up with the holes on the top of the crash bar.

**PLEASE NOTE:** The design of the bracket has now changed to two separate brackets in order to help with installation.



11. Install the CNC mounting blocks onto the oil cooler using the supplied M6 hardware but do not fully tighten at this stage. The side of the CNC block with the machined groove goes towards the oil cooler, as shown. There are several spacers supplied with the kit due to adjust the reduce the gap between the upper and lower tabs as these can vary, so please install the spacers as required to remove any gap, as shown.



12. Mount the oil cooler to the car using the supplied M8 bolts to go through the mounting blocks to the brackets installed earlier. Once happy with the positioning ensure all the oil cooler bolts are tight.





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



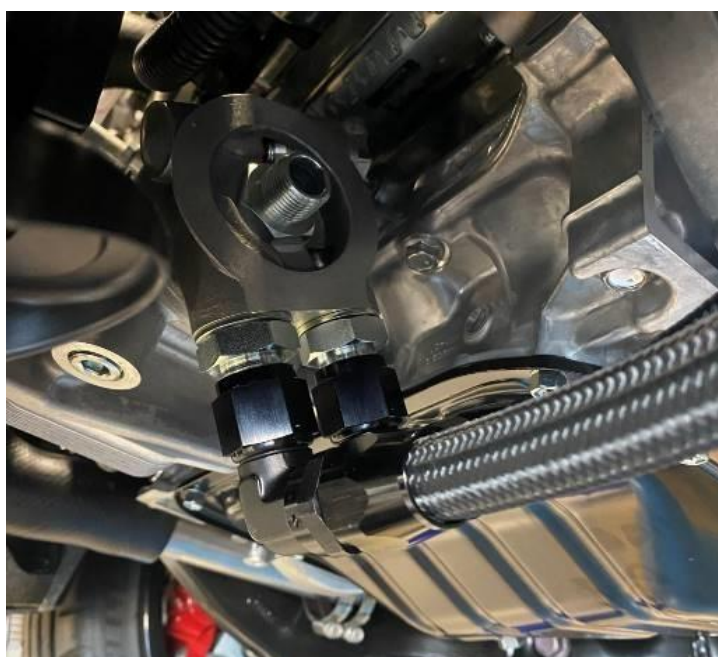
14. Install the sandwich plate using the provided adaptor and tighten fittings.





15. Install the oil lines following the route as shown. Then install the oil line separators in the approximate places shown to help keep the lines together (you can twist or move these if needed to help with fitment). Then tighten the fittings onto the oil cooler and onto the sandwich plate. Use either a specific aluminium spanner for AN10 fittings or we would recommend covering an adjustable spanner with masking tape to avoid marking the 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.



16. **IMPORTANT:** Finally, top up the oil (approx. 500ml) 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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