

Yaris GR Oil Cooler Fitting Instructions

Tools needed:

- Access to a ramp or a jack and axle stands
- Socket set
- Trim removal tool
- Oil of the correct grade to top up after installation (prefer refer to the vehicles hand book)
- Oil filter (recommended)

Kit Includes:

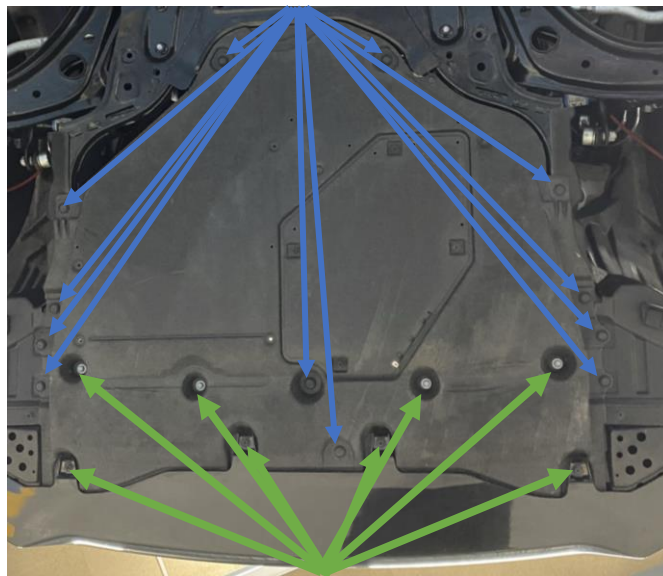
- AIRTEC Oil Cooler
- X 2 Oil lines
- X 2 Oil line separators
- X 1 thermostatic sandwich plate
- X 1 mounting bracket
- X 2 billet mounting blocks
- X 8 M6 x 12mm button head bolts
- X 1 M6 x 16mm hex head bolts
- X 10 M6 washers
- X 1 M6 Nyloc nut
- X 4 M8 x 60mm cap head bolts
- X 2 M8 x 16mm cap head bolts
- X 2 M8 Nyloc nuts
- X 4 M8 washers

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

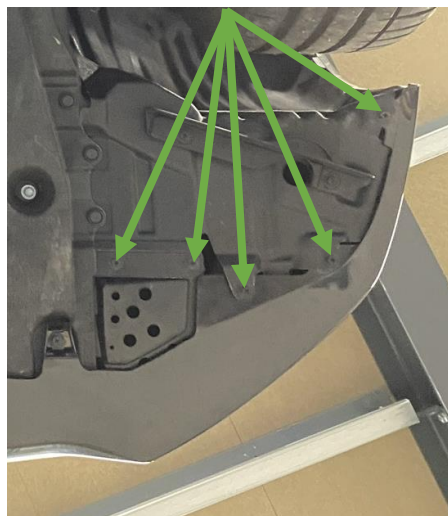


Instructions

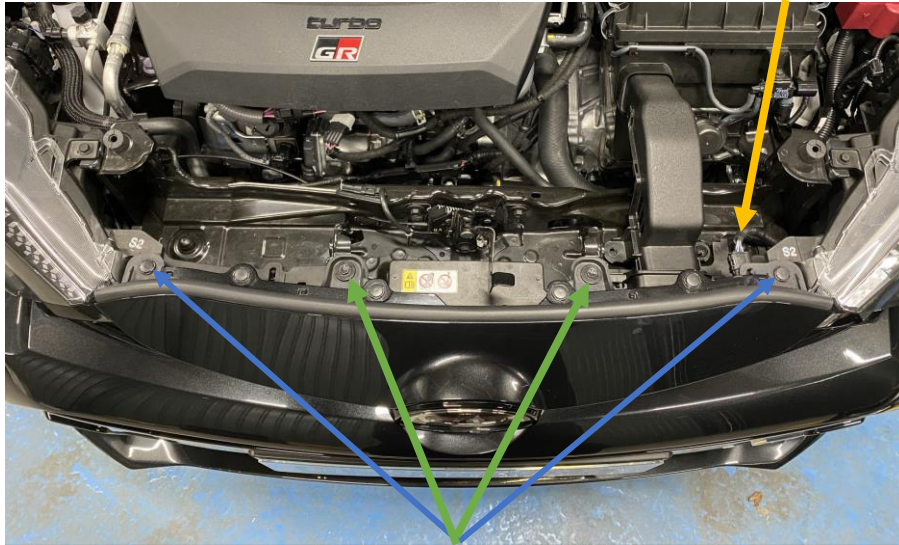
1. Raise the vehicle using either a ramp or axle and ensure it is secure.
2. Open the bonnet and secure.
3. Starting under the car remove the undertray by undoing the x 4 10mm holding the undertray to the bumper, followed by the 4 x 10mm bolts behind that and then work round removing x 12 plastic clips using a trim removal tool. Place the undertray aside.



4. Still working under the car undo the x 5 10mm on either side of the car holding the arch liner to the front bumper.



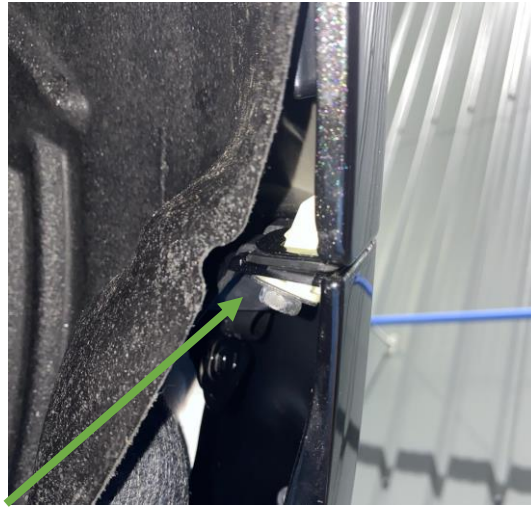
5. Working under the bonnet remove the x 2 10mm. x 2 plastic clips using a trim removal tool and disconnect the plug on the right hand side.



6. In each arch liner remove x 1 plastic clip and then you will need to pull the 2 clips to release them from the bumper. Take care not to damage these when removing.



7. Now you can undo the 10mm holding the wing to the bumper, as you undo the bolt 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 colour came from which side.



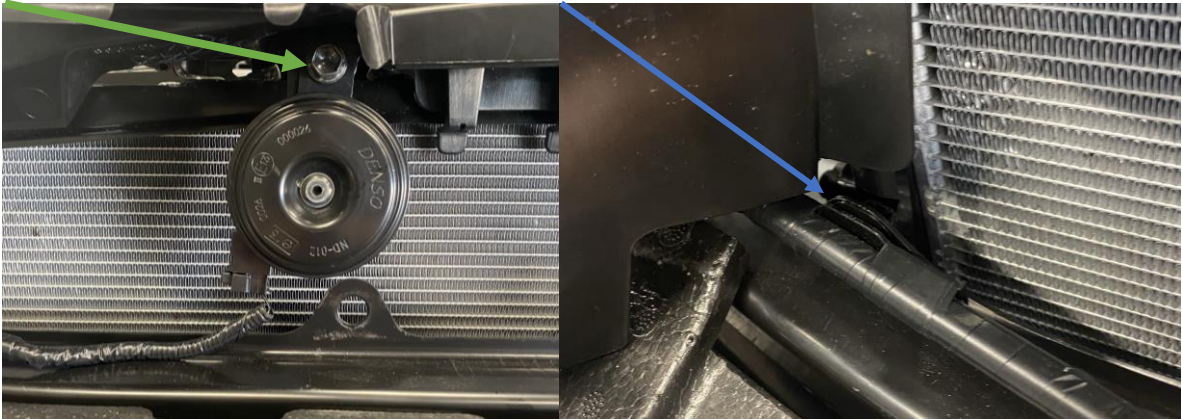
8. Pull the edges of the bumper to release and whilst a second person holds the bumper disconnect the plugs for the fog lights each side. The bumper can now be stored safely.



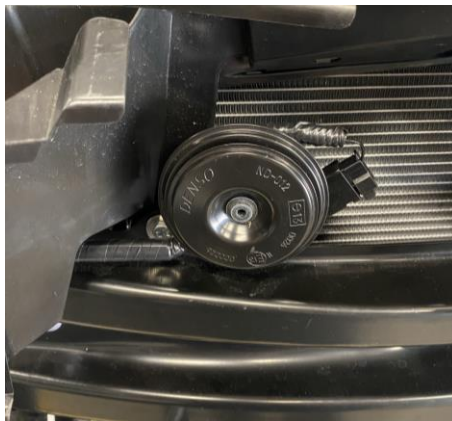
9. Remove the foam support from the crash bar, this simply pulls off. Put this aside as you will not be re-using this.



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



11. Reinstall the horn in the position shown below using the M6 hex head bolt and nyloc nut with washers.



12. 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.



13. Install the oil cooler onto the bracket using the supplied M8 bolts.



14. Remove the original oil filter from the vehicle



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



16. Install the oil lines following this recommended route, install the oil line separators roughly in the places shown to help keep the oil lines together (you can twist or move these if needed to help with fitment). 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.



17. Fit the oil filter to the vehicle and then top up the oil. Start the car and let it idle for several minutes, check the oil level and ensure it is at the max line (top up if required) Then you will need to start the car and leave it to run until the thermostat on the sandwich plate opens allowing oil to flow into the cooler, this opens at 80°C. On the dash you can find the oil temperature gauge and so once it passes 80°C you can then turn the vehicle off and check the oil level and then top up the oil as necessary. If at any time whilst running the vehicle the oil level light illuminates in the car immediately turn the car off and check the oil level and top up as needed. Whilst it is running ensure that there is no leaks from any of the fittings and tighten then if necessary.