

Volkswagen Polo GTi 2.0 AW Intercooler Fitting Instructions

Tools Needed:

- Ratchet and Socket Set
- Torx Sockets
- Jubilee Flexi-Driver or Flat-Blade Screwdriver
- Large Pliers/Grips
- Axle Stands
- Drill with 7.5mm Drill Bit
- Angle Grinder with Cutting Disc

Kit Contents:

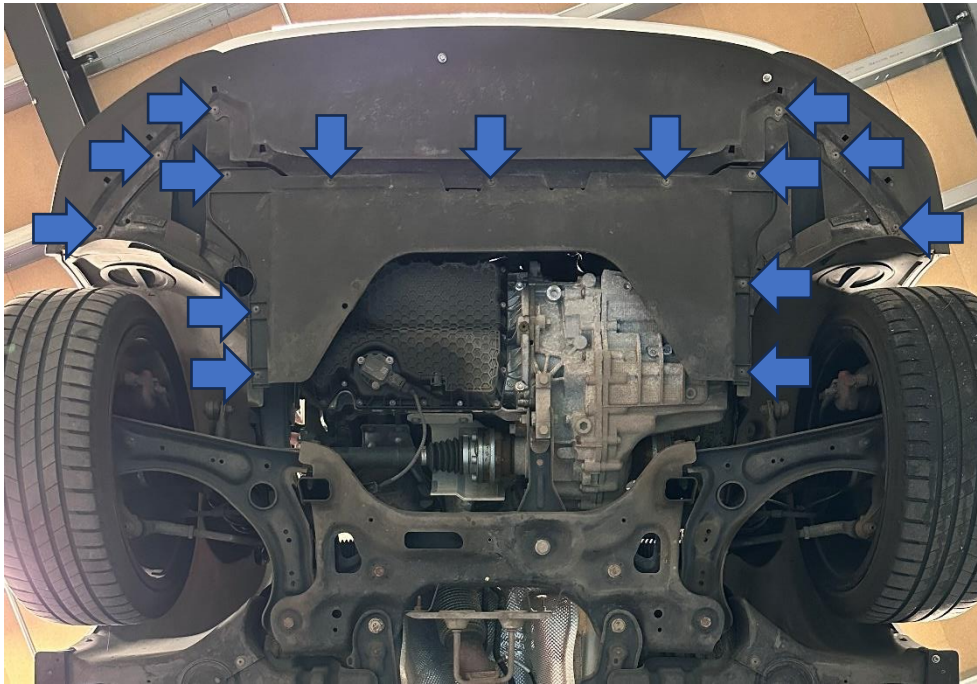
- 1x AIRTEC Motorsport intercooler
- 2x Mounting Brackets
- 1x Air Temperature Sensor Bracket
- **Fitting Kit:**
 - 2x M6x12mm Hex Bolt
 - 2x M6x35mm Socket Head Bolt
 - 2x M6 Nyloc Nuts
 - 6x M6 20mm Washers



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

Instructions

1. Under the car start by removing the undertray by undoing the nine T25 torx bolts followed by the six T25 bolts holding the bottom of the bumper to the car.



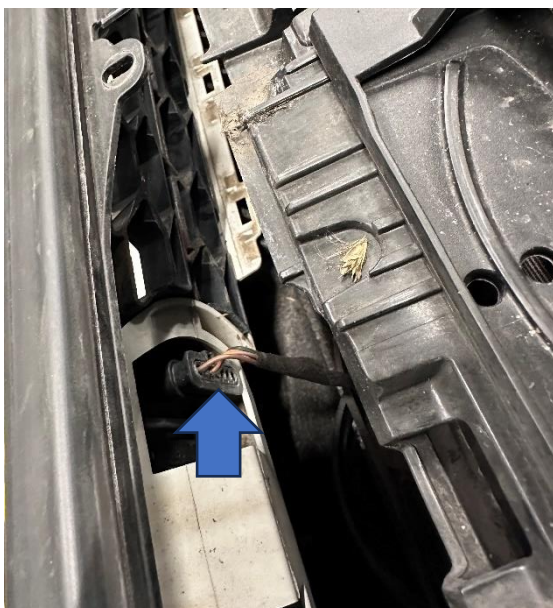
2. Working in each wheel arch undo the three T25 Torx fittings and peel the arch back to allow access to remove the T25 holding the bumper to the wing.



- Under the bonnet locate the four T25 at the front of the bumper and remove these.



- With the help of a second person, pull the corner of the bumper out each side, as the bumper comes forward you will need to disconnect a wiring plug on the left-hand side followed by two wiring plugs on the right-hand side and single plug in the middle behind the badge.



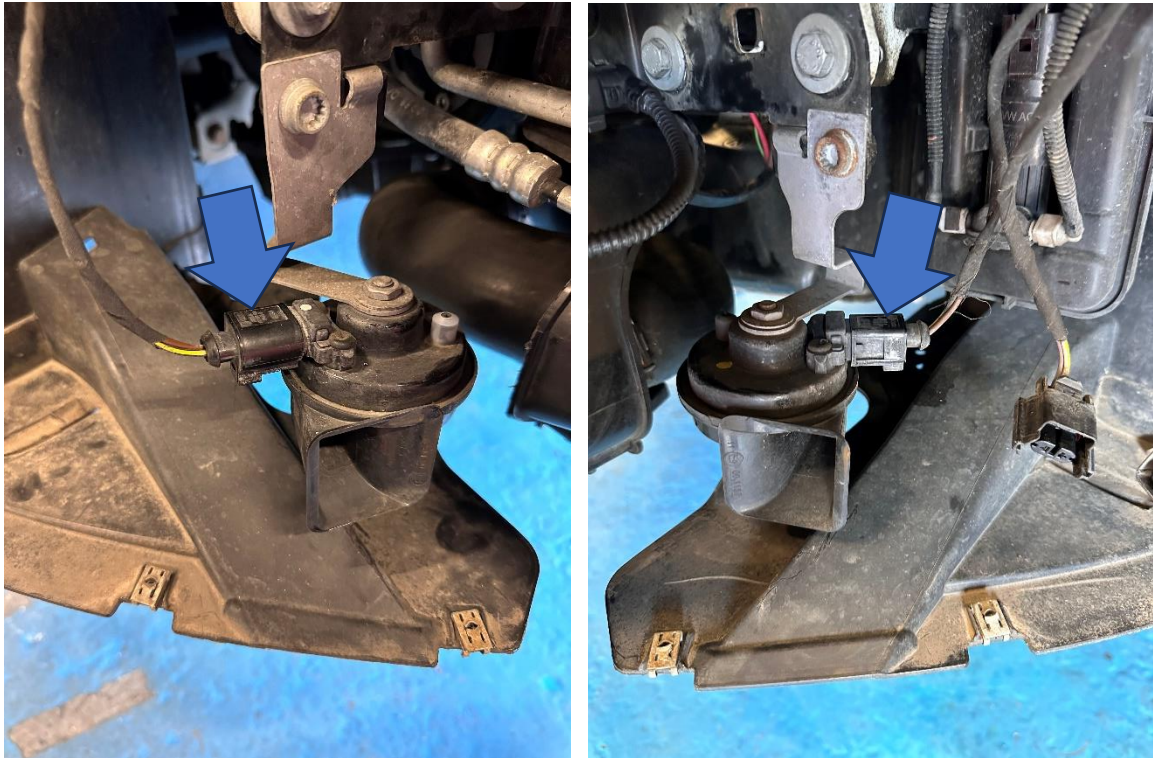
5. You will need to remove both headlights. To do this, unplug it from the back and then remove the two T25 bolts holding the side of the headlight to the plastic bumper support. There are then three T27 bolts on top of the headlight.



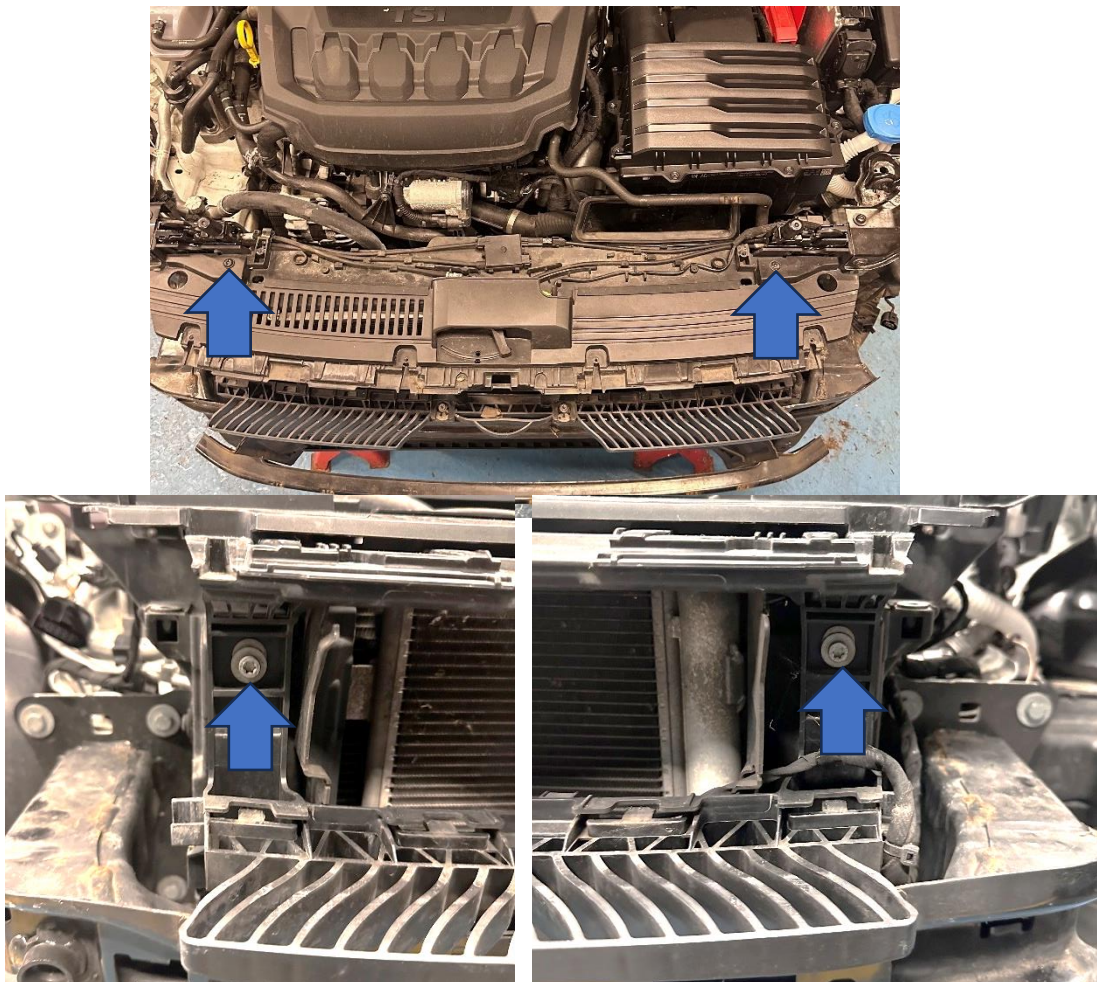
6. Using a pair of axle stands, support the bottom of the plastic radiator cradle.



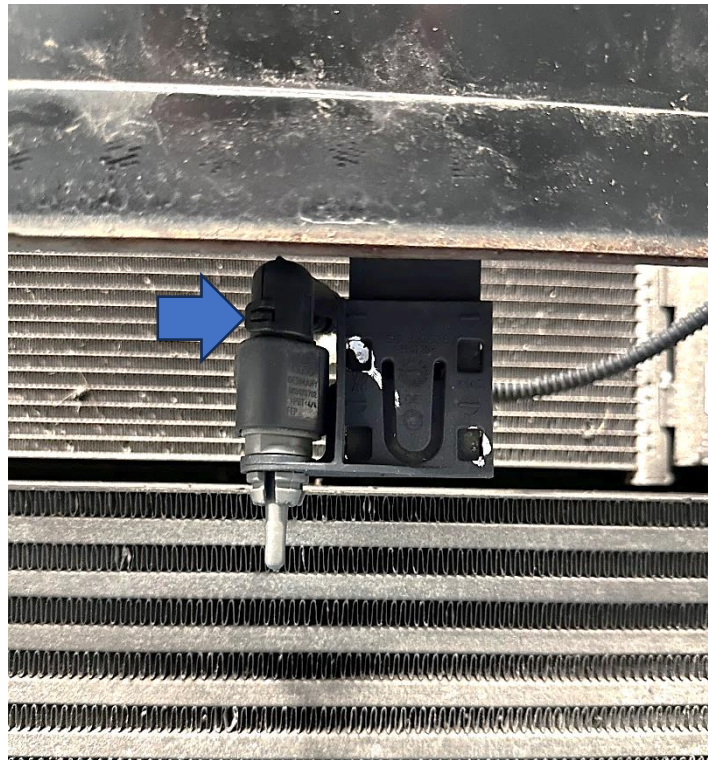
7. Now unplug the horns on both sides and remove the temperature sensor.



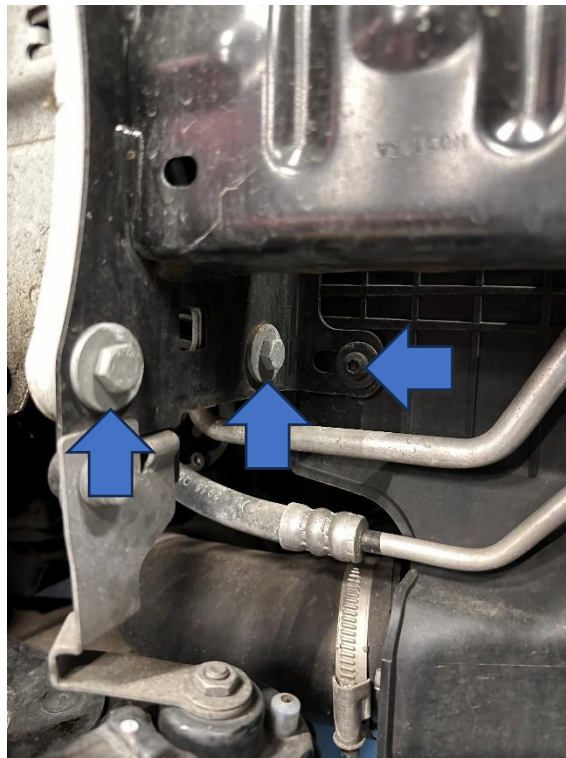
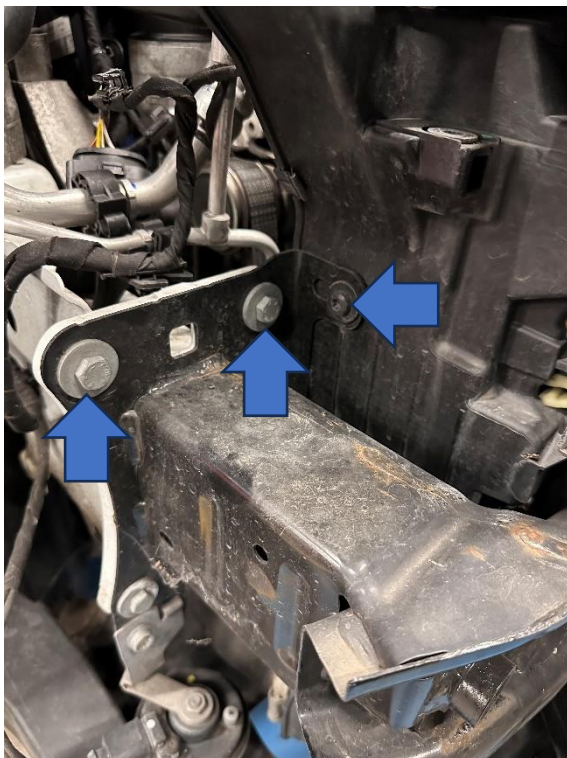
8. Remove the upper front plastic bumper support by undoing the two T25 bolts on top followed by the T27 bolts located each side of the radiator. Then unclip the wiring harness as you remove the surround.



9. Remove the temperature sensor from the crash bar by squeezing the tabs.



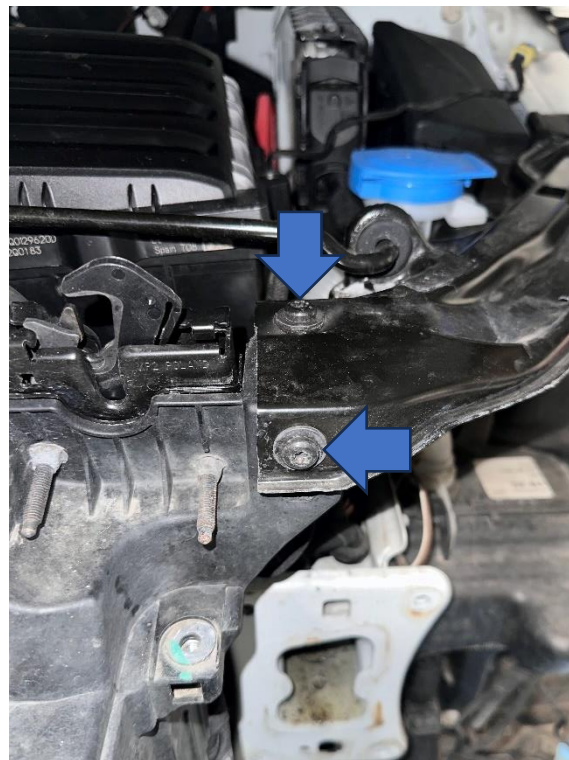
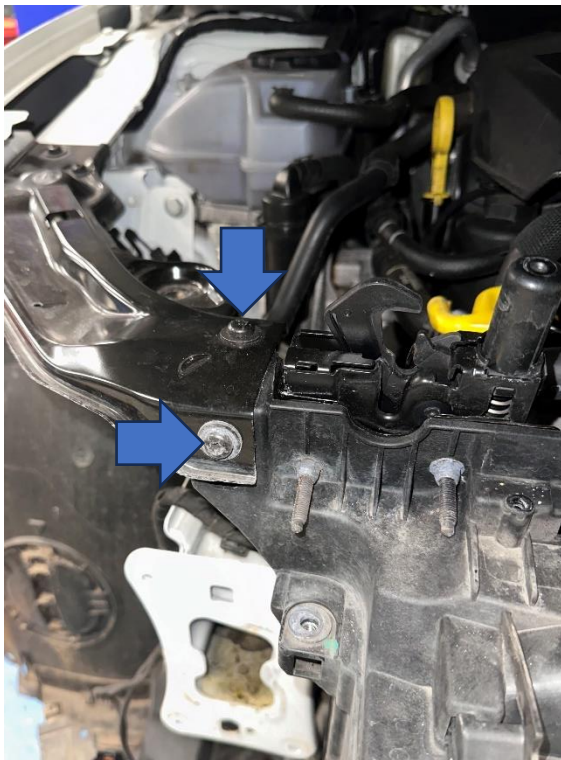
10. To remove the crash bar, undo the four 13mm and two T27 Torx fixings on each side.



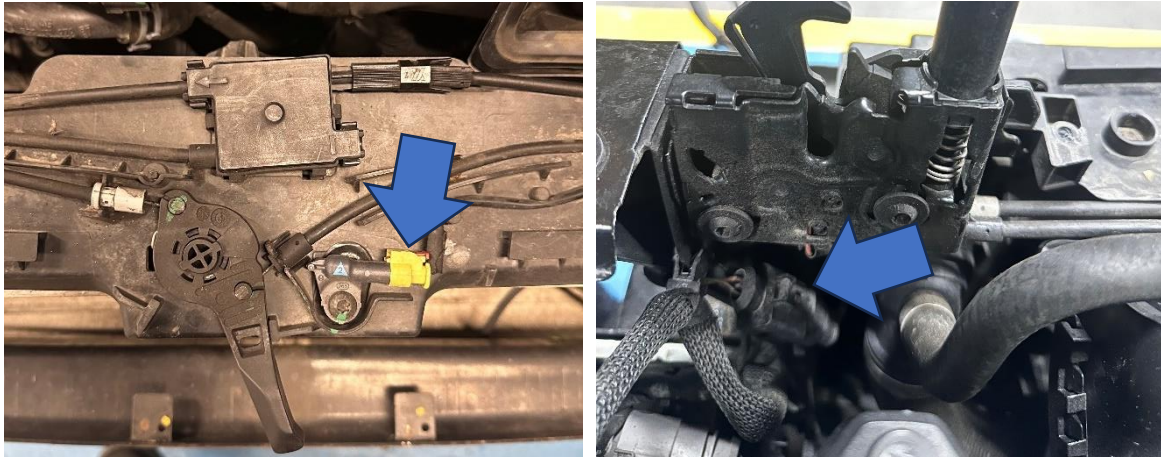
11. Now undo the jubilee clips and remove the boost hoses from the intercooler.



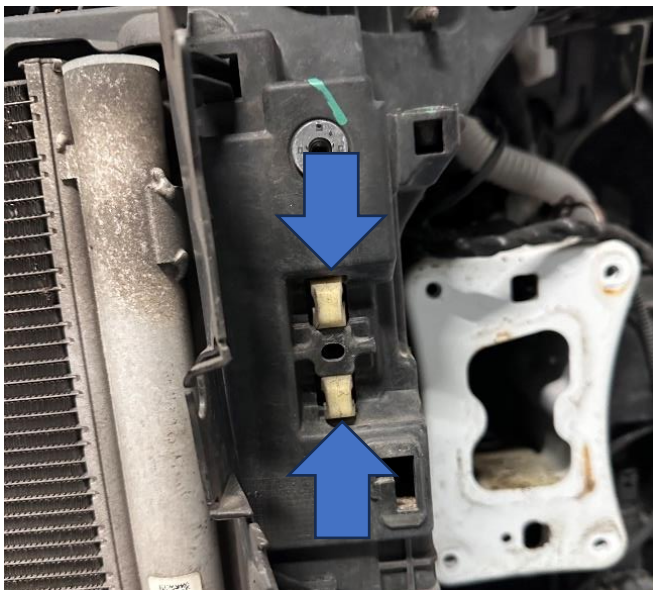
12. Undo the two T27 each side of the radiator cradle. **Please note:** You will need to find a way to support the bonnet before completing this step.



13. Unplug the wiring along with the one for the bonnet catch on each side.



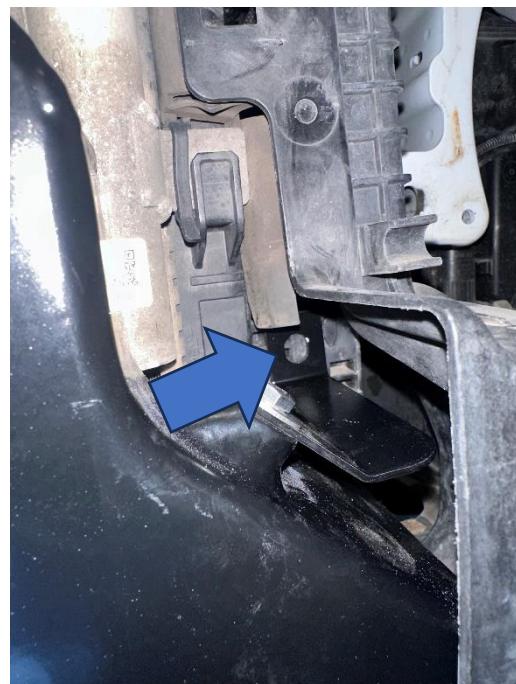
14. Using a pair of larger pliers/grips, squeeze the white plastic clips either side of the radiator together whilst pushing it back to release the assembly from the cradle. With the help of a second person to support the weight, rotate the assembly outwards from the car. Whilst doing so, push it down to release the pins for the intercooler. The cradle can only rotate a limited amount due to the air-con lines and bonnet release cables, so make sure not to stretch or damage these. The axle stands can now be relocated to support the weight of the radiator assembly.



15. Locate the tabs at the front and back of the intercooler; these need to be released to allow the intercooler to drop down on the right-hand side. It can then be pushed to the left to release it from the mount on the left-hand side.



16. The new intercooler can then be test fitted onto the car. Start by installing the brackets loosely with the supplied M6 bolts and washers and push the radiator cradle back onto the radiator assembly and then line them up on the radiator cradle and mark the point where you need to drill. Undo the radiator cradle again and remove the intercooler to allow access to drill the previously marked holes, we recommend using a 7.5mm drill bit.





17. With the holes drilled you can now install the intercooler and clip the radiator cradle back into the radiator assembly. Install the brackets using the supplied M6 Hex head bolts with washers and Nyloc nuts and reattach the boost hoses. Position the brackets so that the radiator and the intercooler are not touching and then tighten.



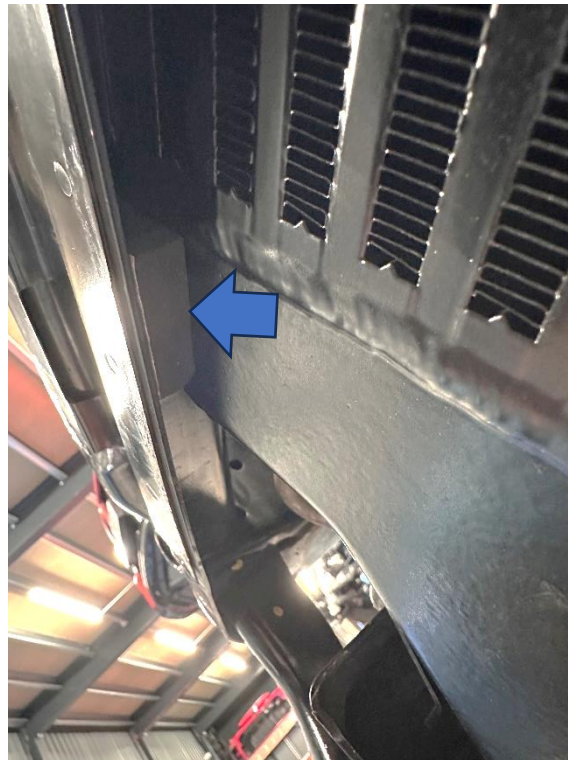
18. Before the crash bar can be reinstalled, the tab where the temperature sensor was mounted to will need to be removed. Using a grinder and cutting disc (or similar) remove the tab from the crash bar as shown. **Please note:** after cutting, we recommend applying paint to exposed area to prevent future corrosion.



19. Reinstall the crash bar onto the car and install the supplied temperature sensor bracket to the lower right-hand side Torx bolt. Align all of the bolts with the witness marks from where they were previously mounted. This will help to keep the alignment the same.



20. Install the supplied foam strips onto the rear face of the crash bar lip to stop the intercooler from rubbing.



21. Finally, the car can now be reassembled in the reverse order of removal.

