

# Hyundai Kona N

## Intercooler Fitting Instructions

### Tools Required:

- Ratchet and Socket Set
- Trim Removal Tool or Flat-Bladed Screwdriver
- Pliers
- Angle Grinder with Cutting Disc (or similar for trimming metal)
- Black Paint (to protect exposed metal on crash bar)

### Kit Contents:

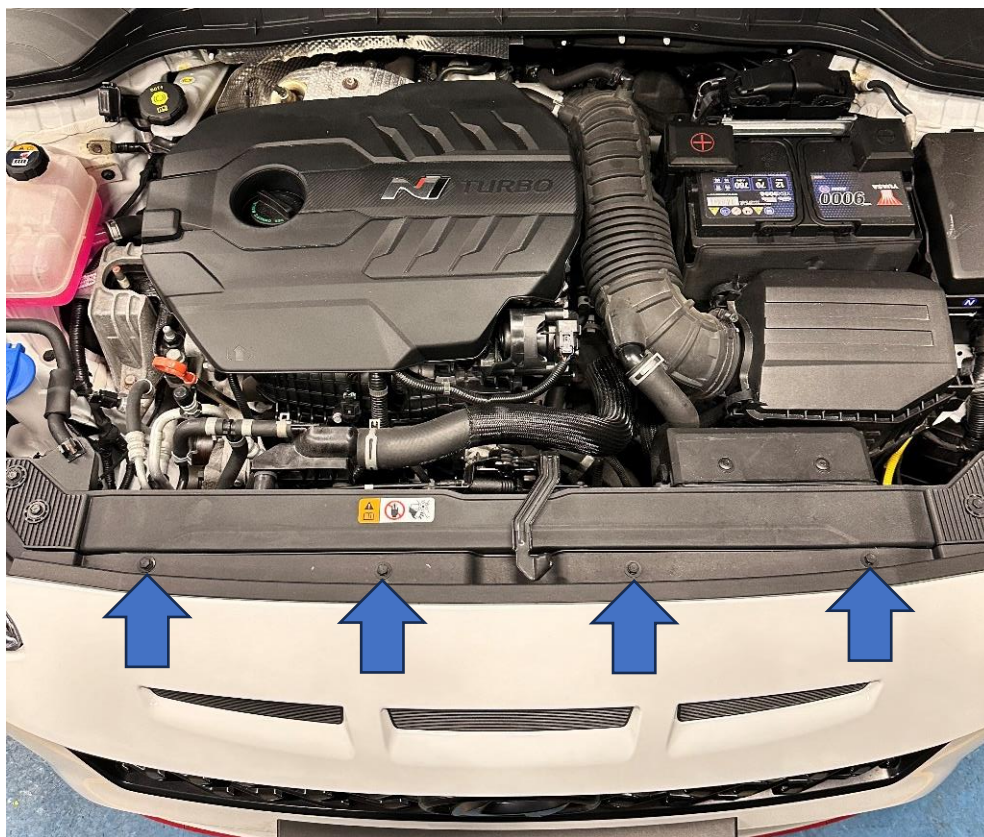
- 1x AIRTEC Motorsport Intercooler
- 1x Pro Hoses Silicone Hose Kit
- 4x M6x20mm Socket Heat Bolst
- 4x M6 Large Washers
- 2x 80mm Jubilee Clips
- 2x 70mm Jubilee Clips



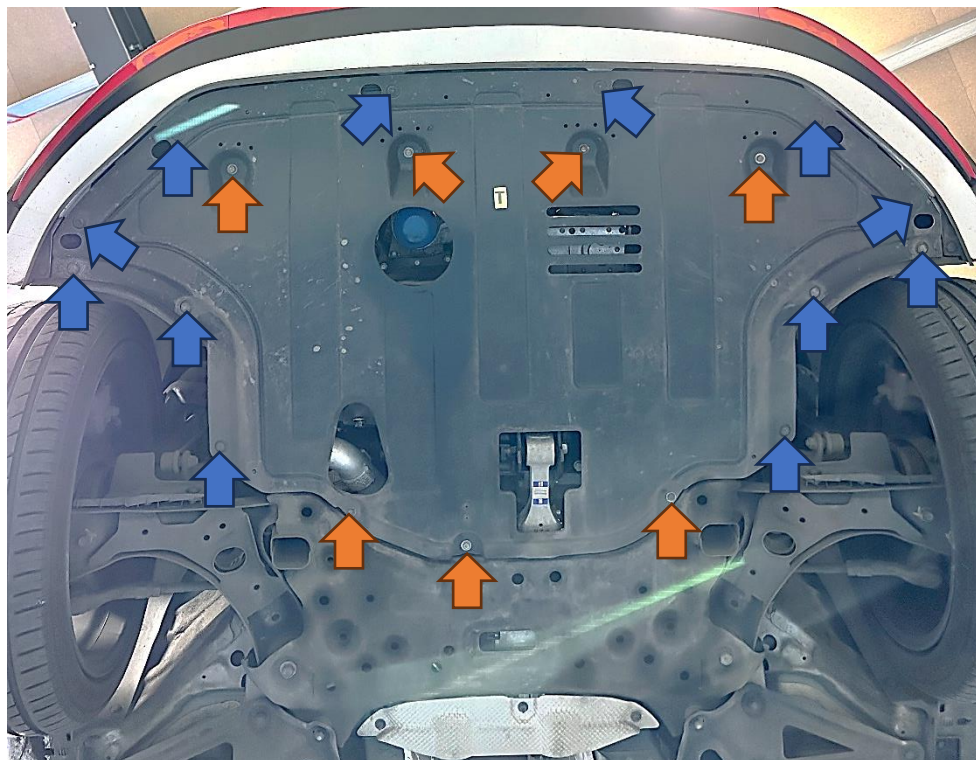
PLEASE THOROUGHLY READ THESE INSTRUCTIONS AND MAKE SURE YOU ARE FAMILIAR WITH THE STEPS BEFORE CARRYING THEM OUT

# Instructions

1. Under the bonnet, start by removing the four 10mm bolts at the top of the bumper.



2. Now working under the car, release the undertray by removing the 12 plastic push fits (blue arrows) and seven 10mm bolts (seven orange arrows).

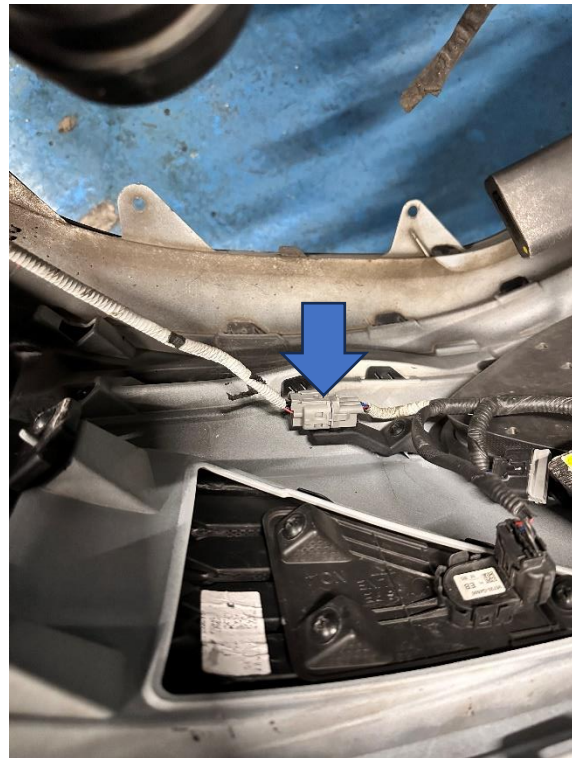




3. In each wheel arch you will need to remove the three plastic push fittings (blue arrows) along with the single 10mm bolt (orange arrow).

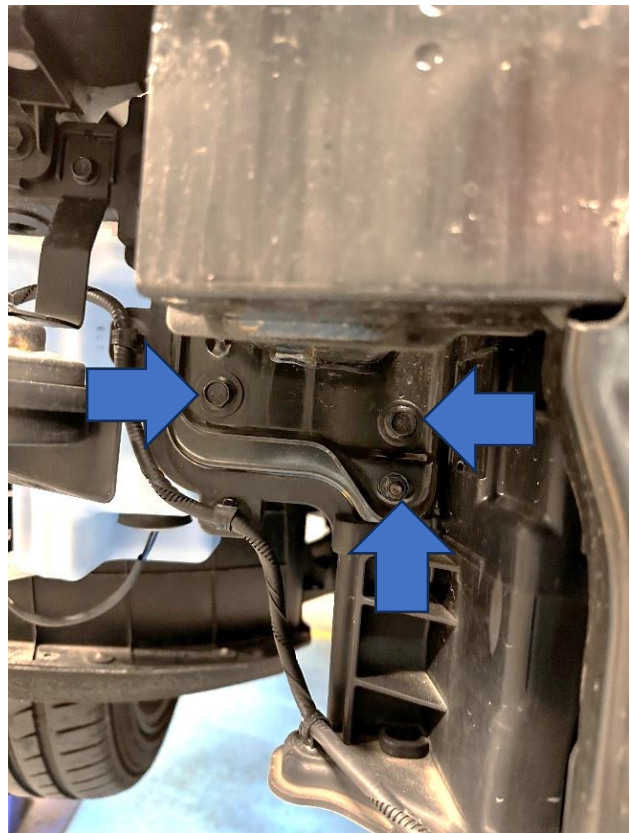
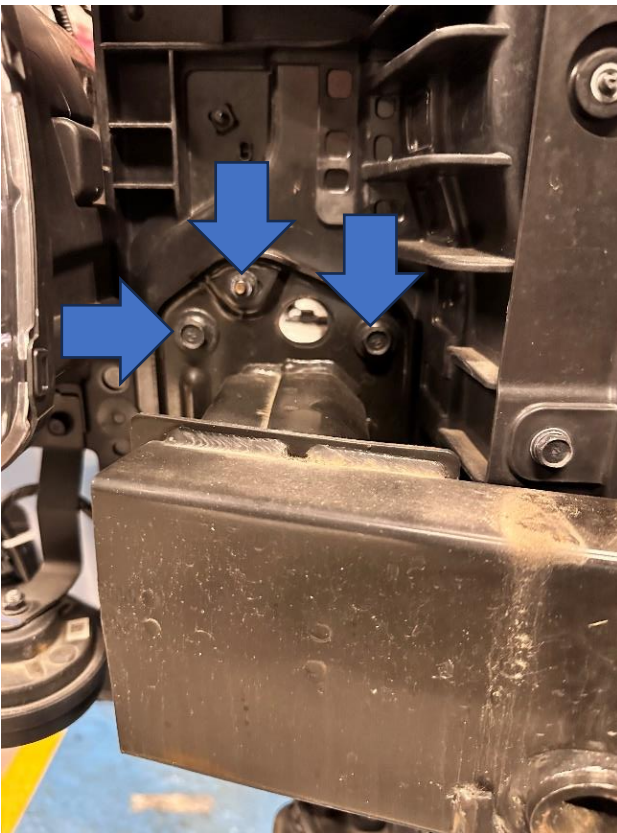
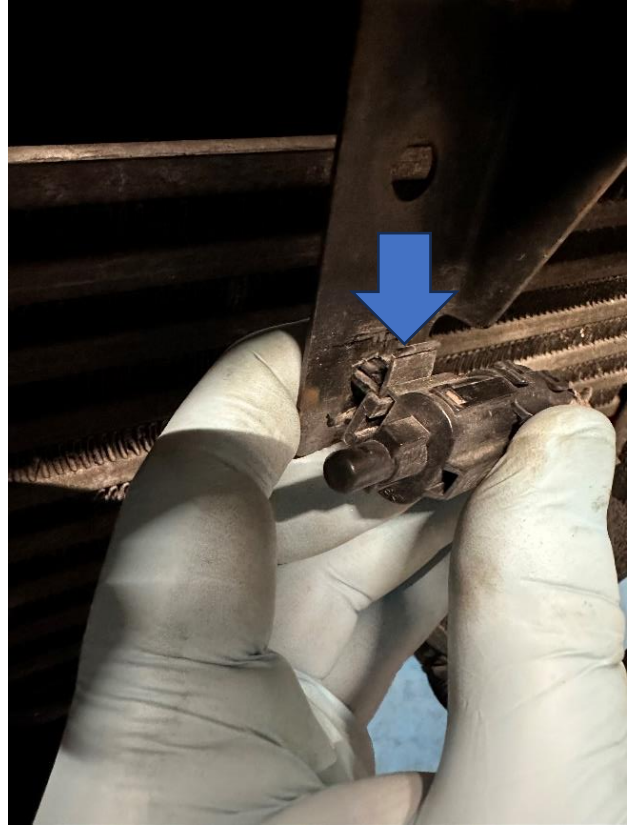


4. Using a second person to help, the bumper can now be removed. Start by pulling it away from the corners and then unhook it over the front panel. You will need to unplug a wiring connector on the left-hand side.



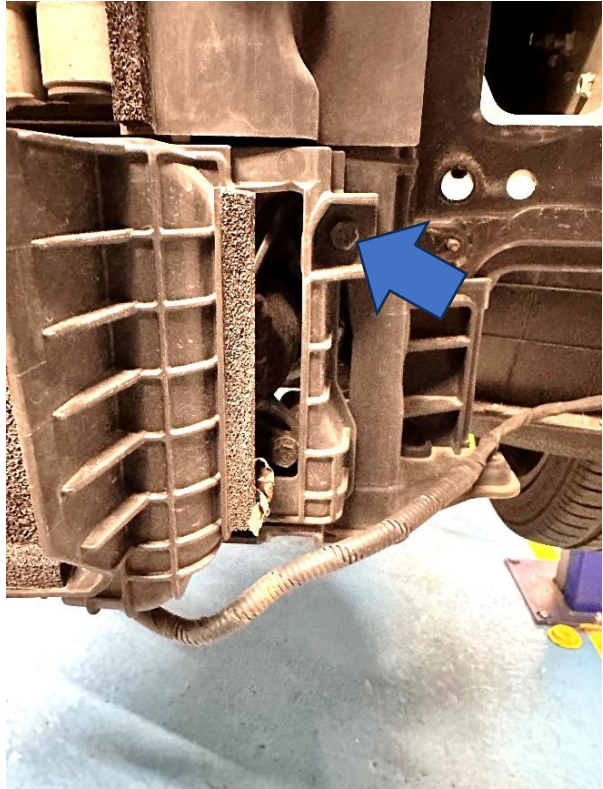
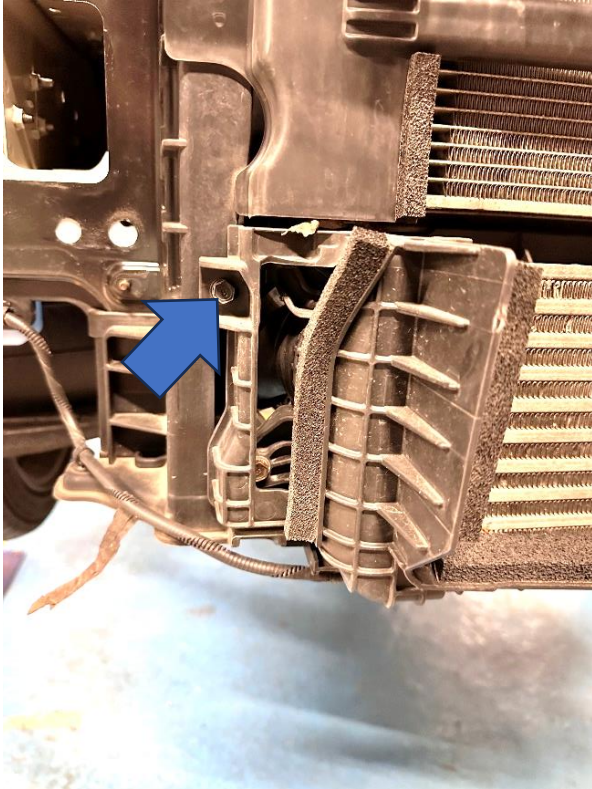


5. Now remove the crash bar by unplugging the radar sensor at the front along with unhooking the outside air temperature sensor. The eight 12mm bolts and four 10mm nuts can then be removed. Then, using a second person to help, remove the crash bar from the vehicle.

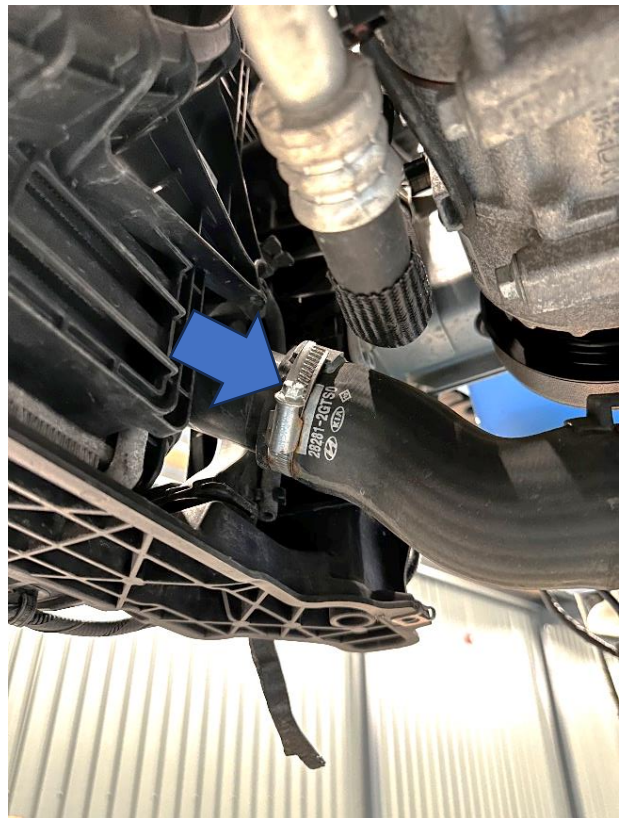




6. Remove the intercooler air guide by undoing the two 10mm bolts securing it. The wiring harness will also need to be unclipped from the underside of the guide.



7. Next, the hot side boost hose can be removed using a pair of pliers to remove the protective caps from both the jubilee clips. Then loosen the clips and the hose can be removed from the car.

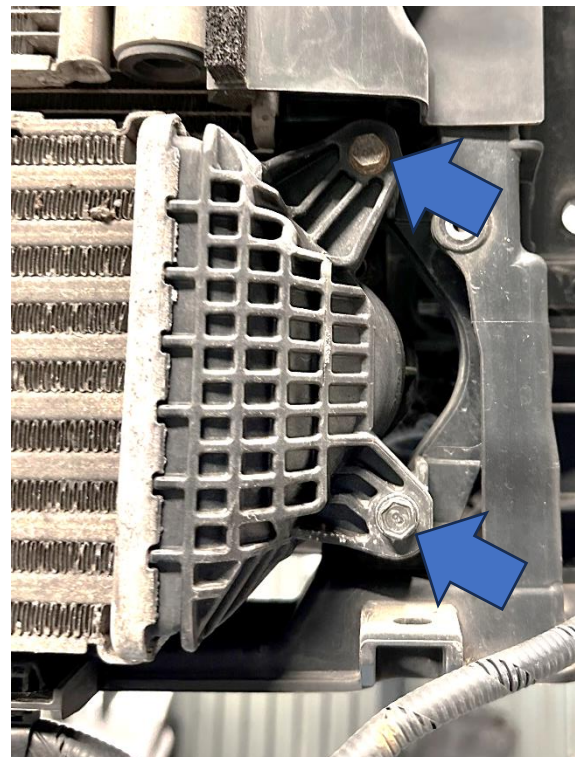
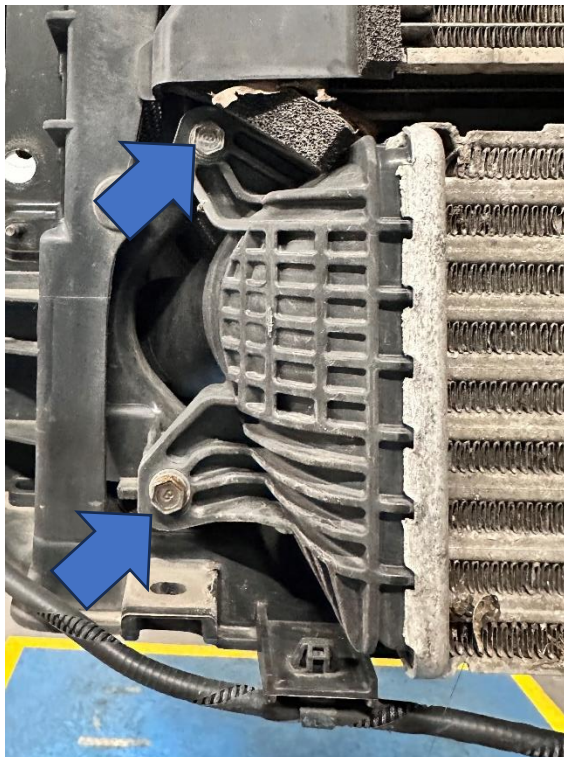




- For the cold side boost hose, remove the plastic elbow attached to the intercooler and then remove the cap on the jubilee clip that secures the hose to the pipe. You can then undo the jubilee clip and remove the boost pipe from the car.



- Remove the four remaining 10mm bolts securing the intercooler to the front panel and you can then carefully lift it from the car.





10. Before fitting your new intercooler, you first need to install the supplied hot side boost pipe in position, as it can't be done afterwards. Position it as shown and use two of the supplied jubilee clips to hold it in place, but do not fully tighten yet.



11. Install the new intercooler by angling it into the hot side boost hose first. Once located, secure the intercooler using the supplied four M6 bolts with washers.



12. Install the new cold side hose boost hose with the supplied jubilee clips and when happy with the fitment of both boost hoses, proceed to fully tighten the clips for both cold and hot side boost hoses.



13. Before reinstalling the crash bar, the metal tab that held the air temperature sensor in place (removed in Step 5) will need to be removed. Use an angle grinder with a cutting disc (or similar) and appropriate PPE to trim the tab flush with the crash bar and then clean and paint the area with black paint to protect it.





14. Reinstall the crash bar onto the car and then route the air temperature sensor to the front and clip it into the hole on the lower lip, as shown.



15. Finally, the rest of the parts removed can now be installed in reverse order.

