

Nissan Juke Nismo Intercooler Fitting Instructions

Tools needed:

- Socket set
- 7mm flexidriver or socket
- Trim removal tool or flat bladed screwdriver
- Tape measure
- Drill and drill bits up to 8.5mm

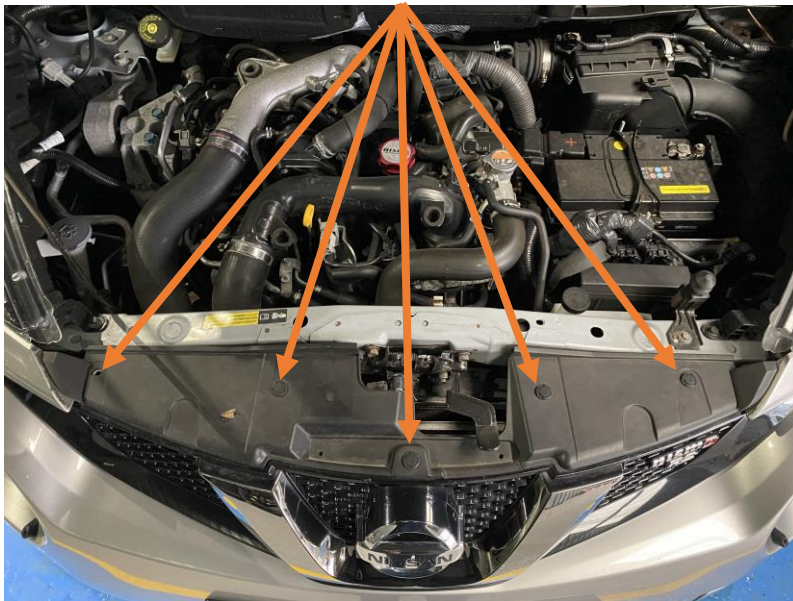
Kit Includes:

- AIRTEC Motorsport Intercooler
- Alloy pipework
- 2 x PRO Hose silicone hoses
- 4 x 70mm Jubilee clips
- 2 x Brackets
- 8 x M8 x 10mm hex head
- 2 x M8 x 20mm hex head
- 2 x M8 x 50mm hex head
- 2 x M8 nuts
- 4 x M8 washer
- 10 x M8 penny washers
- 2 x M6 x 20mm hex head
- 2 x M6 washer

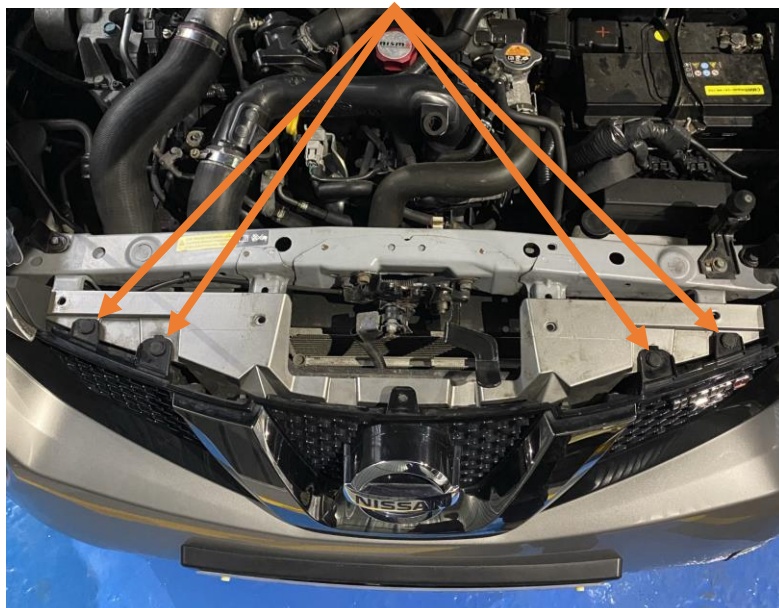


Instructions:

1. Open bonnet and secure, the vehicle can be raised in the air to make access easier to the underside of the car however it is not essential. If you are raising the vehicle please follow the manufactures guidelines.
2. Remove the engine cover by pulling up firmly.
3. Remove the five plastic clips running along the top of the bumper and remove the cover from the top of the bumper.



4. Remove the four plastic clips holding the top of the bumper



5. Undo 3 x 10mm along the underside of the bumper.



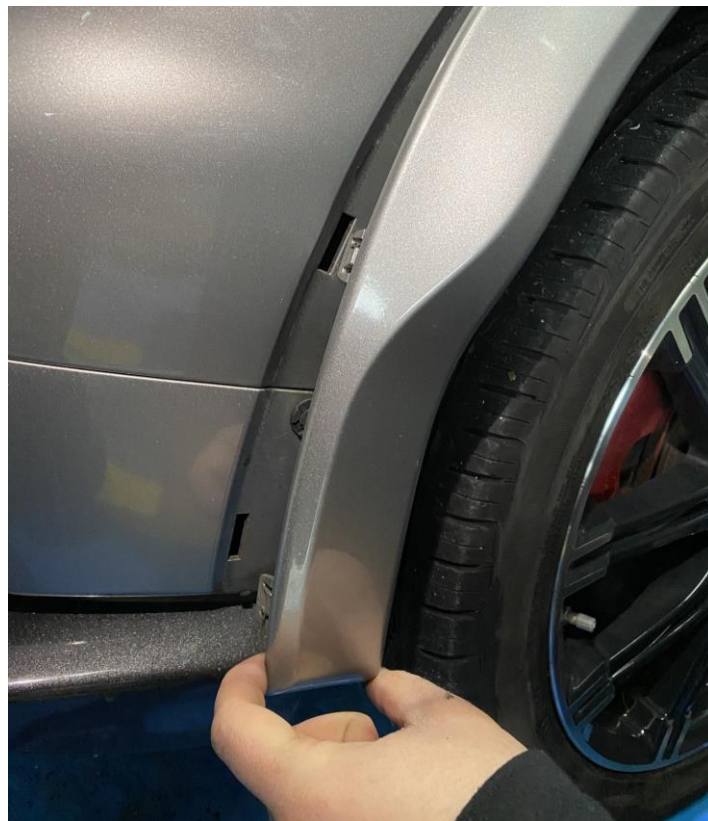
6. Remove plastic guards from in front of both front wheels by undoing two 10mm each side.



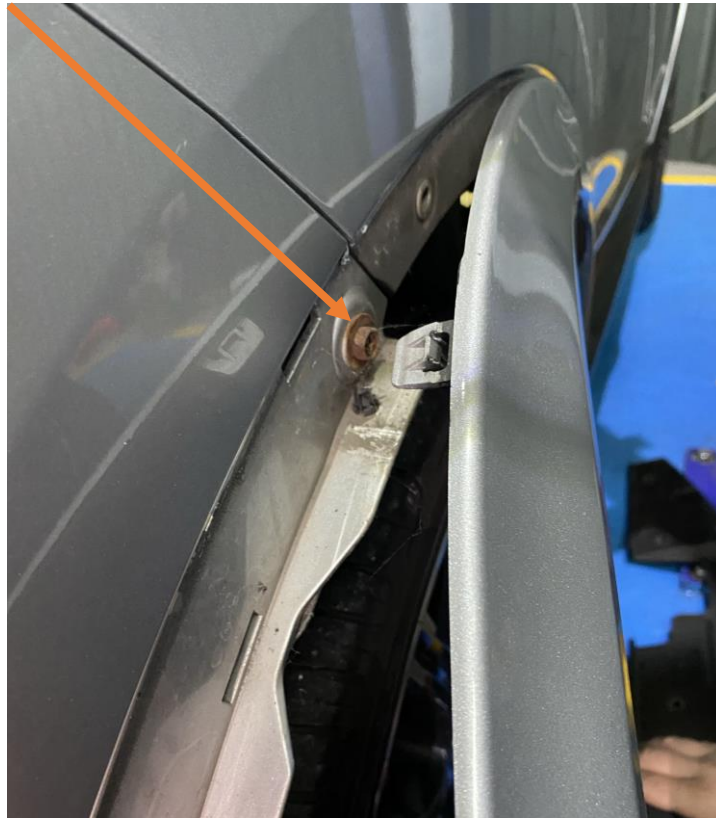
7. Remove one plastic clip in each wheel arch.



8. Pull arch extension away from the front of the body carefully, only need to peel back enough to get access to the 10mm bolt.



9. Undo the 10mm bolt each side.



10. Using another person, pull the edges of the bumper out which will release the bumper from the car. Pull the bumper away enough to get access to the connectors on the inside of the bumper, disconnect these along with the line for the washer jets and then place the bumper somewhere safe.



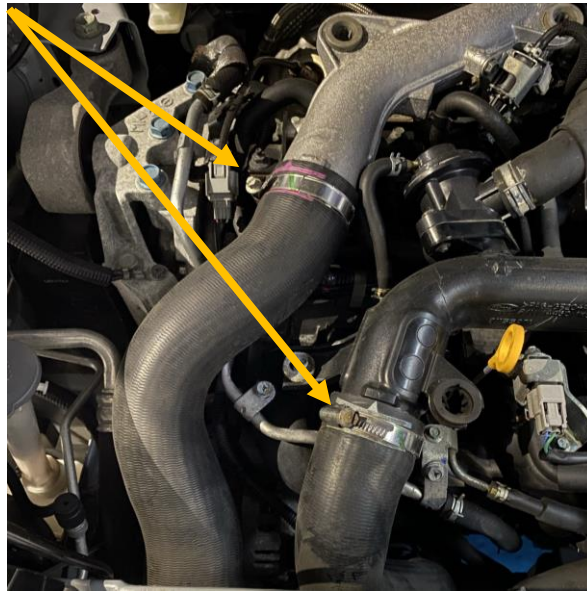
11. Remove foam crash bar cover by pulling it off the crash bar, this is not reused when reassembling the vehicle.



12. Undo the 4 x 13mm nuts holding on the crash bar each side and remove from the car.



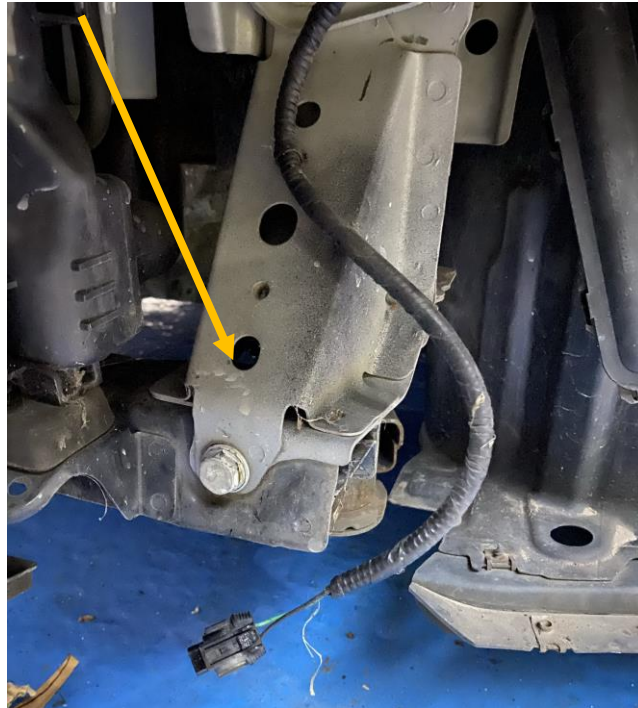
13. Undo the jubilee clips holding the rubber hoses on to the hard pipes in the engine bay.



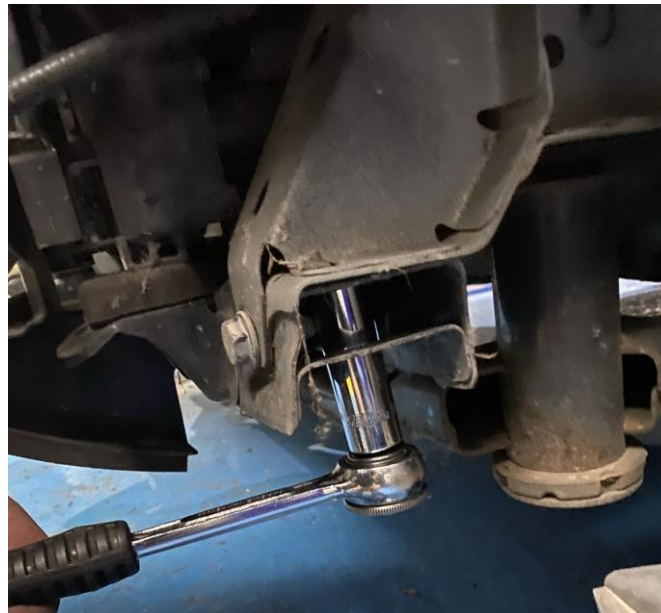
14. Take off the top of the right hand side hose which should allow you to move it aside and get to the lower clip holding that hose on. Once undone remove the hose, you should then be able to get access to undo the last jubilee clip.



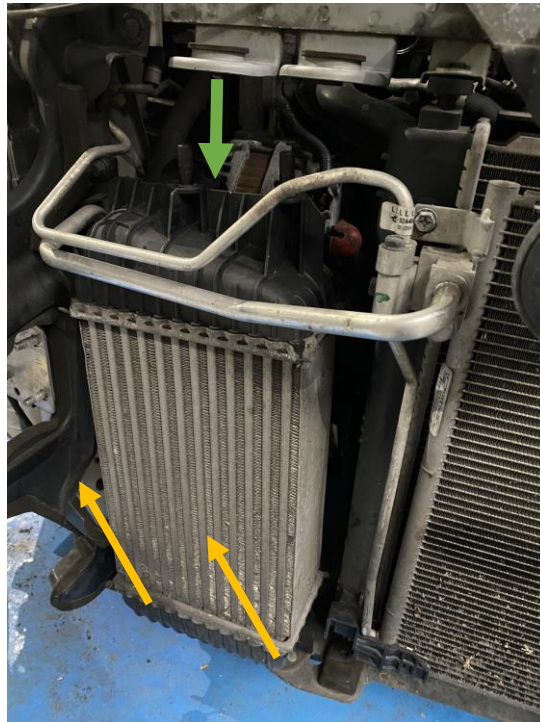
15. To remove the standard intercooler firstly undo the 2 x 16mm bolts at either end of the front lower support.



16. Loosen but do not remove the 16mm bolt on the underside of the right hand part of the lower support.



17. Remove the 16mm bolt on the underside of the left hand part of the lower support. As the bolt is removed the lower support will drop so do this slowly. As the beam drops down the standard intercooler can be pulled up out from its rubber mounts.



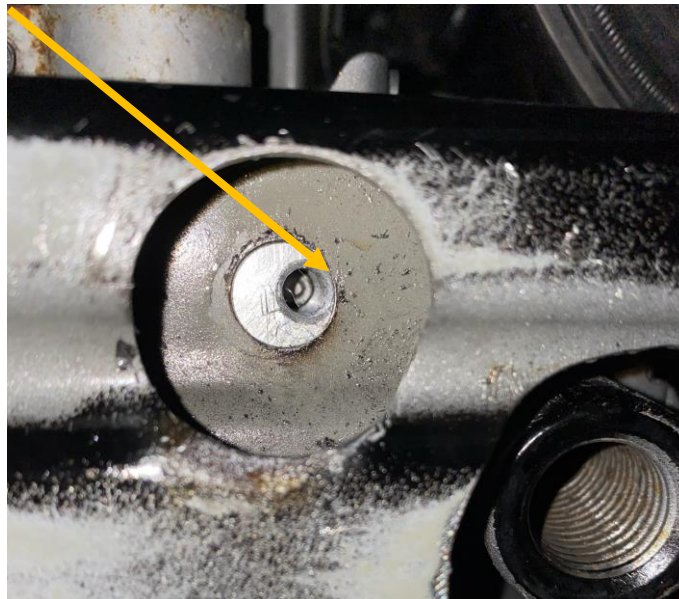
18. Take the standard crash bar and mark the centreline. From there you will need to drill out an 8.5mm hole on both sides in the centre of its height (holes you will be drilling circled below), the distance to the left hand hole is 313mm and the distance to the right hand hole is 373mm. (We recommend that you work your way up in drill sizes when doing this.)



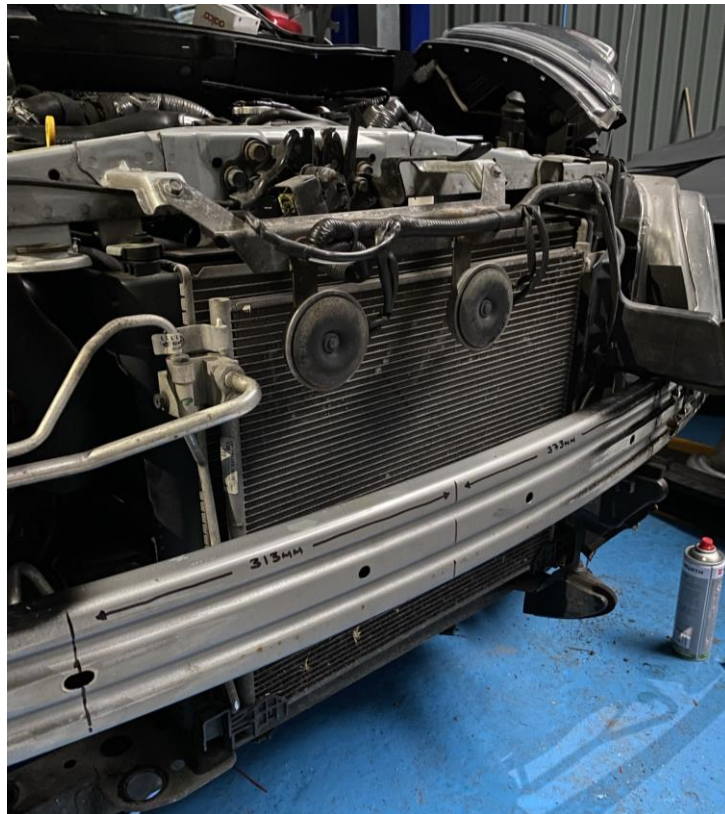
19. Thread on the supplied M8 Spacers to the original mounting studs for the crash bar.



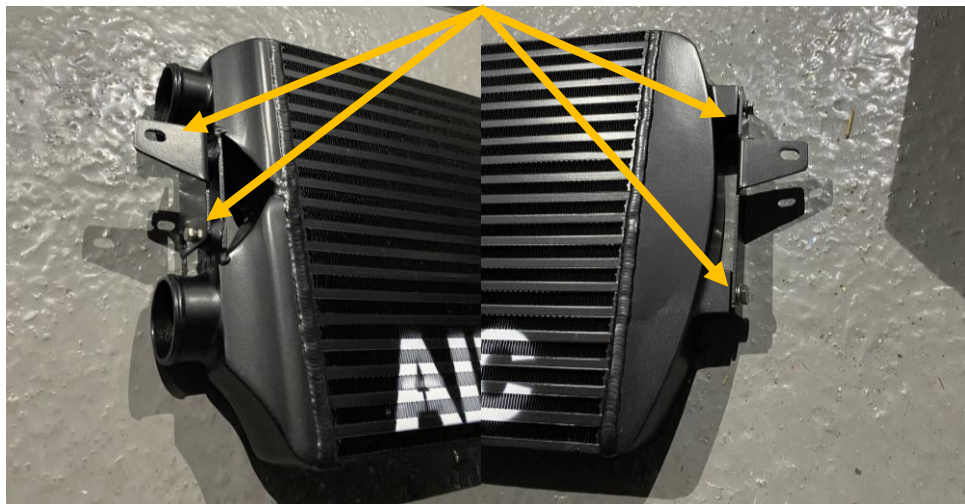
20. In order to remount the crash bar you will need to enlarge the top left hole on the right hand side of the crash bar either using a file/drill or similar, line up the crash bar to the studs and insert one of the supplied bolts either side and when happy with the crash bar position mark where and how much you need to enlarge the hole by.



21. Once drilled out mount the crash bar back on to the car using the supplied bolts.



22. Mount the two intercooler brackets loosely to the intercooler using the supplied M6 bolts on the left hand side and supplied M8 bolts on the right.



23. Push the M8 x 50mm bolt with penny washer through the hole created in the crash bar and then lift the intercooler behind the crash bar and locate the pushed through bolts through the slots in the brackets and thread on a washer and nut on to each side. Leave these so that the intercooler and still be moved on the brackets.



24. Reinstall the original hoses from the car and then install the supplied silicone hose and alloy pipe to the right hand side hose on the car that goes to the bottom of the intercooler and then fit the silicone hose and other alloy pipe from the top of the intercooler to the left hand hose fitted to the car. Fit the jubilees but do not tighten at this stage.



25. Once happy with the position of the hoses and intercooler start to tighten the jubilee clips and then move on to tighten the brackets on the intercooler.



26. Reassembly is then the reverse of the removal, the foam cover for the crash bar is not reused.

