



Alpine A110 Intake Hose Installation Instructions

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INSTALLATION INSTRUCTIONS

Before installation commences, please read the following instructions carefully.

All components should be removed and refitted in accordance to the manufacturer's specifications and by trained personnel.

1. Required tools: 7mm socket, 8mm socket, 10mm socket, T27 torx, flat bladed screw driver and hose spring clamps (or large pliers). Some universal automotive grease is also recommended.



2. Check all the parts are correctly supplied



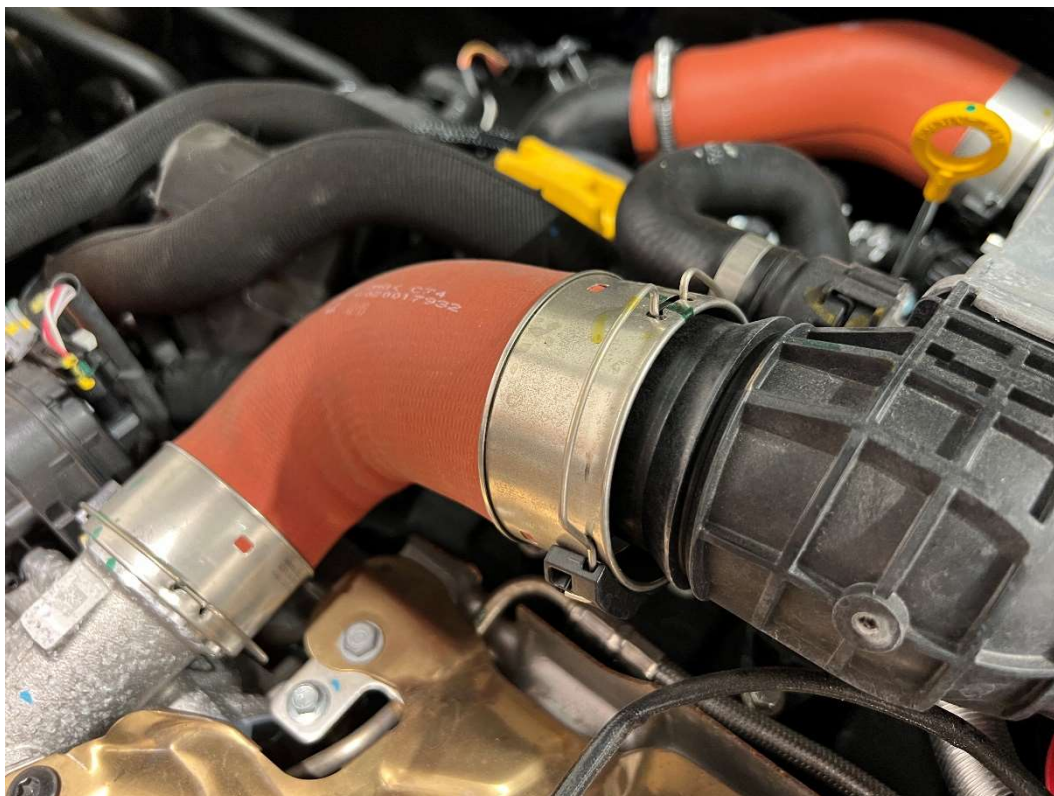
3. Prepare the hoses by positioning the clamps.



4. With the engine cover removed also take off the aluminium strip across the engine bay. Remove the 3 x 10mm nuts (1 front and 2 back) securing the intercooler.



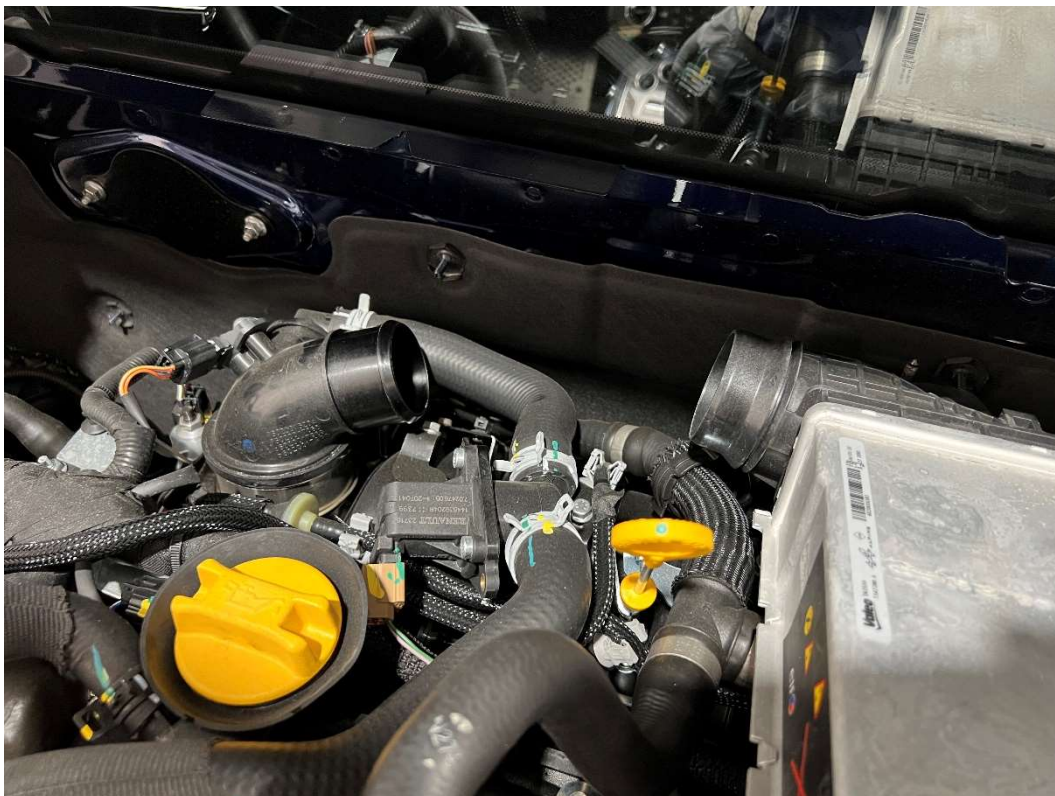
5. Use a screwdriver to open the front hose connector wire spring such that it can be disconnected from the intercooler.



6. Perform the same at the other end to disconnect from the turbo.



7. Now disconnect and unclamp the rear hose from the intercooler.



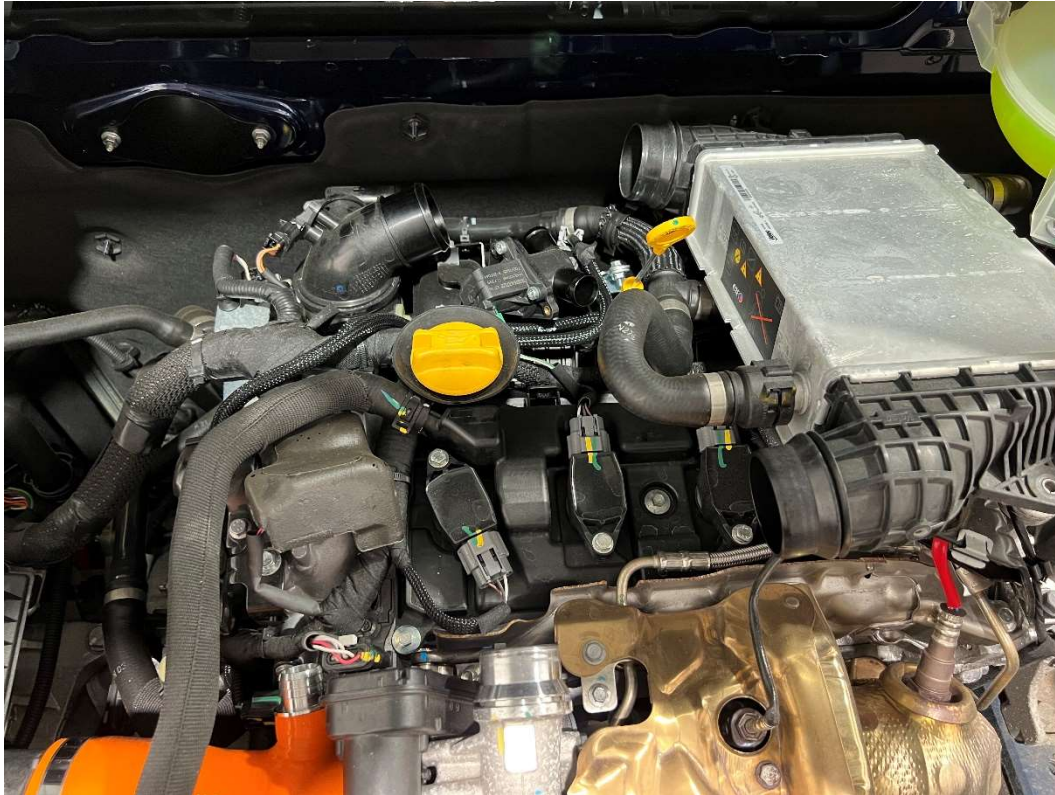
8. Remove the breather hose to the turbo inlet.



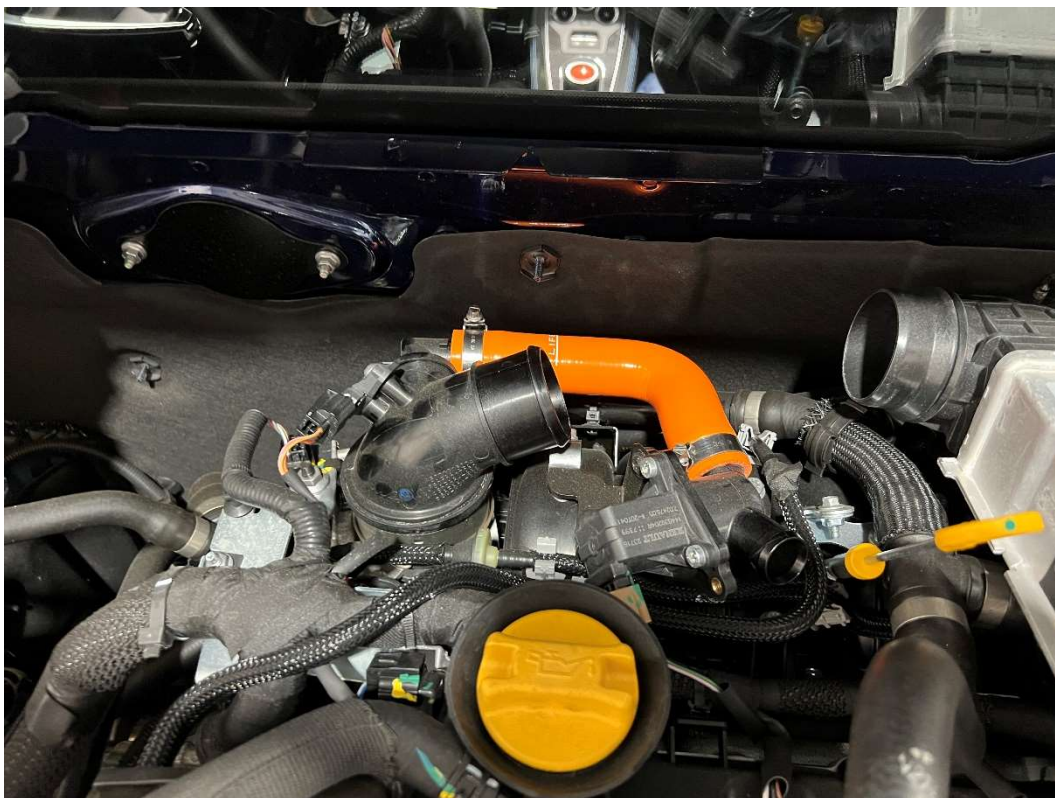
9. Remove the rear most breather hose section.



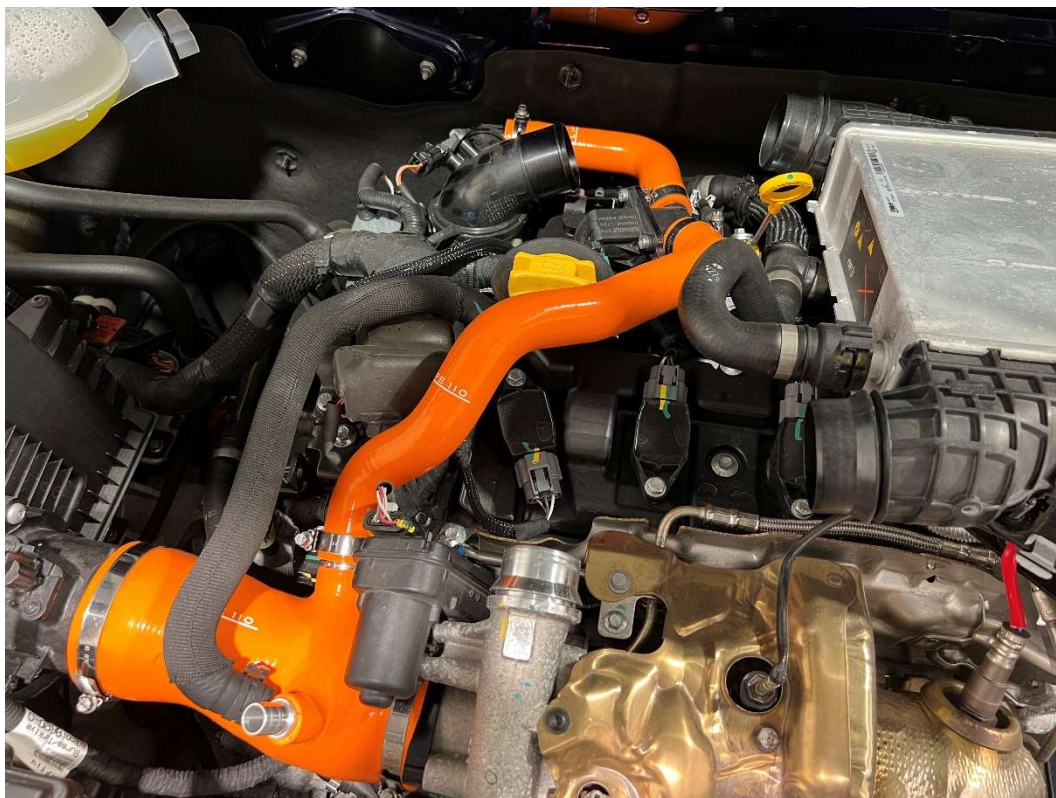
10. All hoses should now be removed. At this stage also remove the sound pipe link to the bulkhead (not shown in this example).



11. Fit the new rear most breather hose.



12. Now fit the longer breather hose section to the turbo inlet.



13. Now the three new connectors need preparing. First the internal o-ring from the turbo to intercooler connector needs transferring to the new connector.



14. The spring wire now needs transferring. First remove the black, plastic retainer by pushing up.



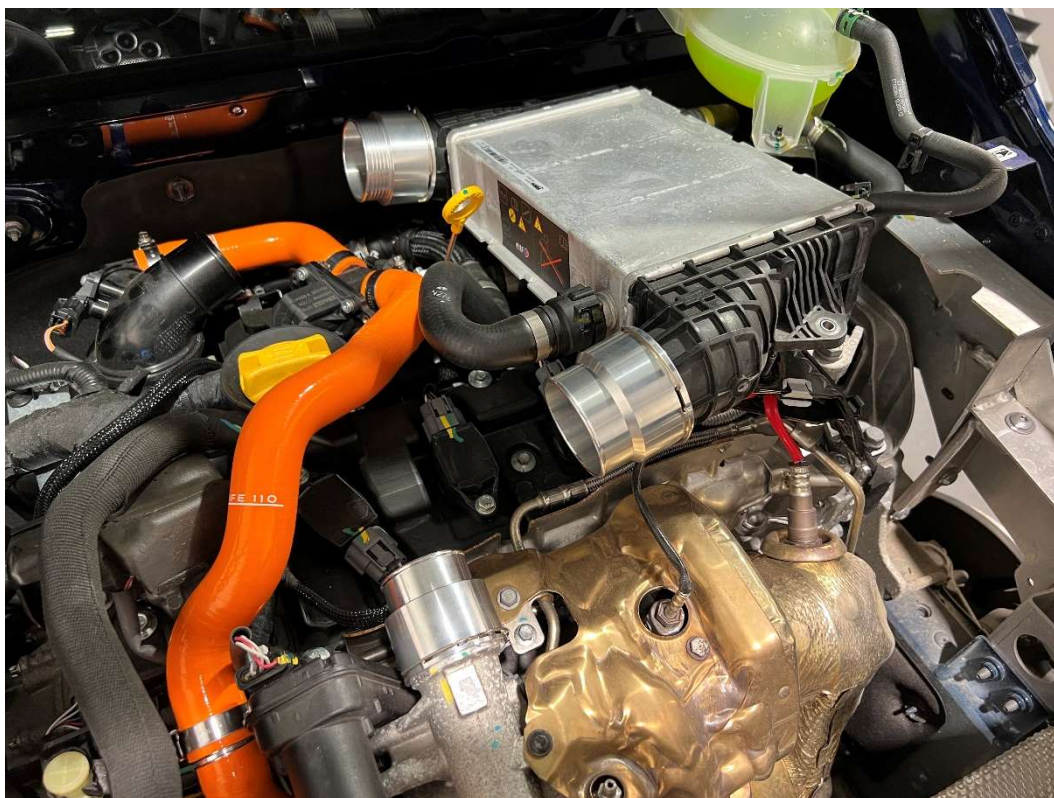
15. Remove the spring wire and fit to the corresponding new connector.



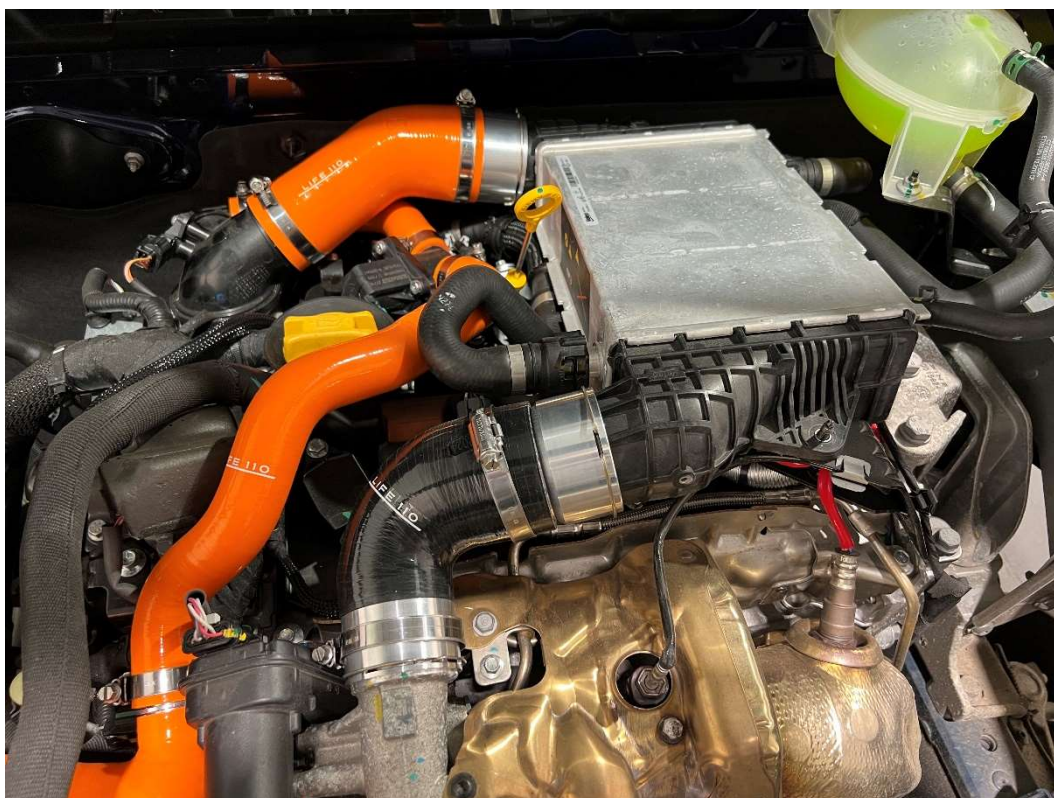
16. Repeat for all three connectors.



17. Apply a small amount of grease to the o-rings and then fit the three connectors to the intercooler and turbo, ensuring the wire springs clip into place.



18. Fit the new front and back hoses and move the intercooler back onto its studs so everything is in place.



19. Final step is to tighten the clamps and bolt the intercooler back down. Here you would also fit the new sound pipe to the bulkhead, and you're all done!

