



Hyundai i30N MVT Intercooler Installation Guide

The Direnza Performance MVT is a high performance, aftermarket intercooler offering increased cooling and performance over the stock setup. The extra capacity combined with our revolutionary Multi Vane Technology is designed to lower intake temperatures and prepare your vehicle for additional tuning and modifications.

DISCLAIMER

- Allow the vehicle to cool completely prior to installation.
- We recommend that the intercooler is installed by a professional.
- Direnza is not responsible for any vehicle damage or personal injury due to installation errors, misuse or removal of Direnza products.

TOOLS REQUIRED

- Socket Set
- Ratchet & Extensions
- Jack/Stands or Ramp
- Trim Tool
- Flathead Screwdriver
- Philips Screwdriver
- Allen Key

- 1x MVT Front Mount Intercooler
- 1x Hard Boost Pipe
- 1x Intercooler Shroud
- 1x Straight Silicone
- 2x 90° Silicone





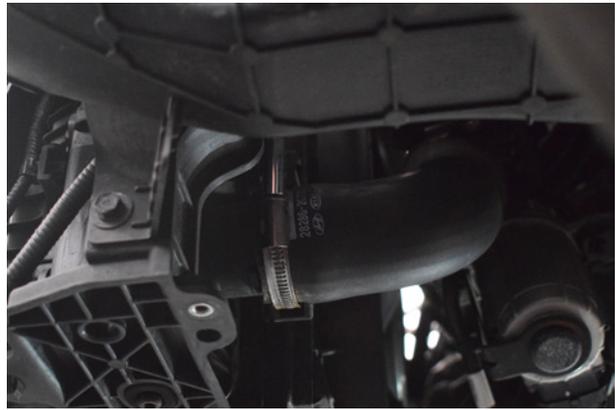
1. Remove the front bumper & under tray.



2. Raise the car into the air using ramps or a jack & stands.



3. Undo the hose clamp that secures the rubber pipe to the hard pipe on the hot side of the intercooler.



4. On the other side, remove the clamp closest to the intercooler outlet



5. Remove the locating nuts on the crash bar, repeat on the other side.



6. Remove 4x bolts securing the crash bar, repeat on the other side.



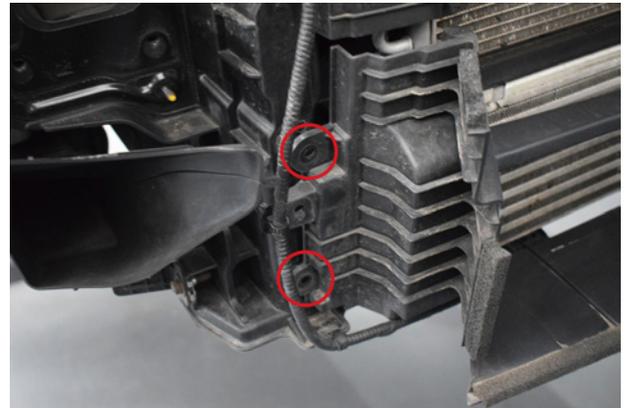
7. You can now remove the crash bar.



8. Step 7 continued.



9. Unclip the wiring from the intercooler shroud.



10. Remove 2x bolts securing the shroud to the rad pack.



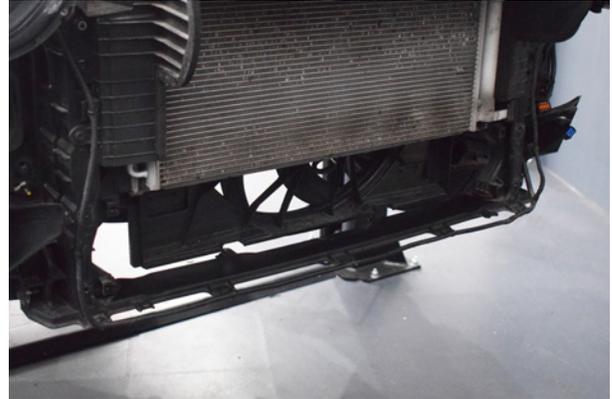
11. You can now remove the 4x intercooler bolts.



12. Step 11 continued.



13. With the 4x bolts removed, the intercooler can be removed along with any boost pipes still connected.



14. Step 13 continued.



15. You can now begin removing the remaining factory boost pipes that get replaced as part of the MVT Kit.



16. Remove the clamp securing the boost pipe to the throttle body.



17. Remove the boost pipe.



18. On the other side, remove the clamp located on the silicone positioned between the two hard pipes.



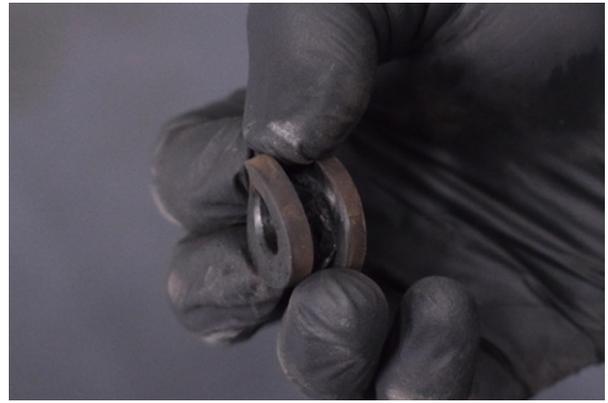
19. This will allow you to remove the silicone and the hard pipe.



20. Install the 90° silicone jointer onto the alloy hard pipe along with two supplied clamps.



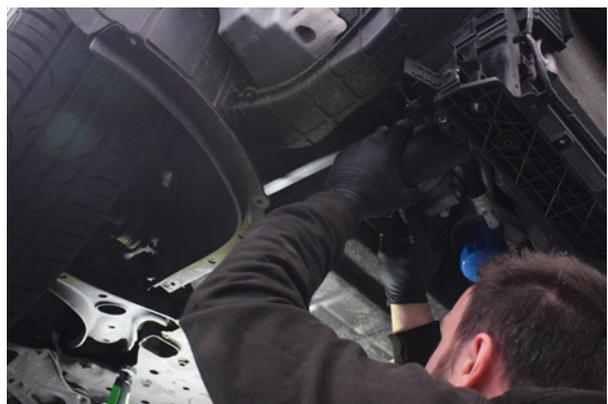
21. Step 20 continued.



22. Remove the rubber locating grommet from the factory hard pipe and transfer onto the MVT replacement.



23. Step 22 continued.



24. the replacement hard pipe can now be installed.



25. Install the straight silicone joiner onto the end of the hard pipe.



26. Secure the hard pipe using the factory hardware.



27. Don't fully tighten just yet, this will allow some movement when installing the intercooler.



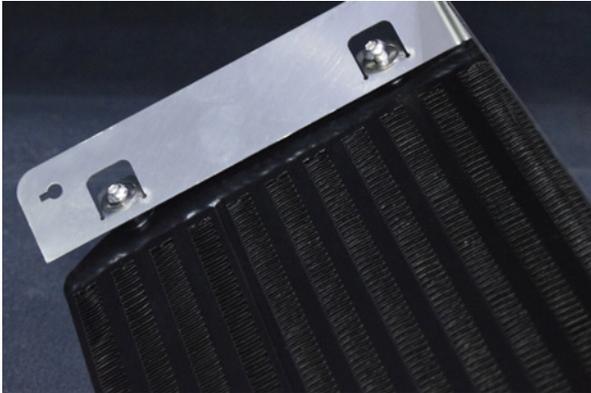
28. Nip up all clamps to hold the pipework together while allowing some movement.



29. Step 28 continued.



30. Off the car, install the stainless steel intercooler shroud using 4x allen bolts supplied with the kit.



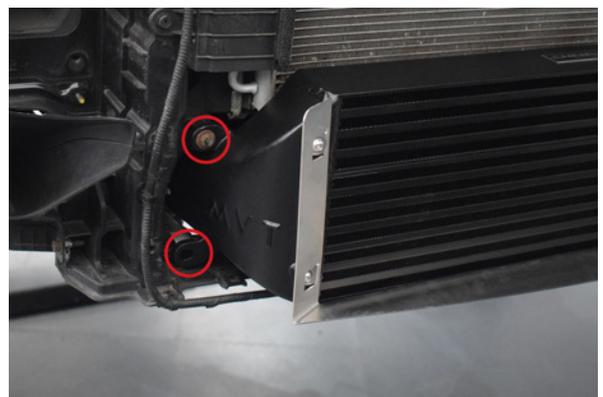
31. Step 30 continued.



32. The second 90° silicone can be installed, this will be the join between the throttle body and MVT.



33. Place all clamps over the silicone hose in preparation for installing the intercooler.



34. Lift the MVT intercooler into position and secure using 2x factory bolts and repeat on the other side.



35. Step 34 continued.



36. With the intercooler secured, you should be able to manipulate the silicone hoses over the intercooler inlet/outlet on both sides.



37. The sensor can be clipped into the keyhole slot on the shroud.



38. You can now fully tighten all hardware and clamps on the intercooler pipework.



39. Step 38 continued.



40. Step 38 continued.



41. The crash bar can now be installed.



42. It will sit on the locating studs, secure the nuts on these studs first.



43. Install the 4x crash bar bolts and repeat on the other side.



44. The intercooler and crash bar is now installed.



45. Install the front bumper remembering to connect the bumper loom on both sides.



46. The edges of the bumper will clip into position, re insert plastic clips in the wheel arch liner.



47. Fit all plastic trim clips into the top of the bumper.



48. With the bumper & undertray installed, your MVT Intercooler is ready to enjoy!

You may also like...



Hyundai i30N
3.5" decat Pipe.



Hyundai i30N
3" GPF Delete Pipe.



Hyundai i30N Non
GPF 3" Flexi Pipe.



Hyundai i30N
3" GPF Flexi Pipe.

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