



NISSAN R35 GT-R MVT INTERCOOLER INSTALLATION GUIDE

Japspeed's R35 GT-R MVT Intercooler is an after-market performance part for the Nissan GT-R. It utilizes Multi Vane Technology, providing cooler charge air temperatures and a better flowing core, enhancing performance. It is a direct replacement for the factory system and the kit includes all parts needed for installation. This guide will show you the steps required for installation.

DISCLAIMER

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

TOOLS NEEDED

- 10,12 and 13mm Sockets
- Flathead Screwdriver
- Phillips Screwdriver
- Needlenose Pliers
- Jack Stands/Ramp
- Snips
- Socket Extension

VIDEO

Video guide available on YouTube. Scan the QR code to view!



- Pipe 1 76mm bore, 31mm BOV, 12mm MAP ports
- Pipe 2 76mm bore
- Pipe 3 76mm bore
- Pipe 4 76mm bore, 31mm BOV, 12mm MAP ports
- Pipe 5 76mm bore
- Pipe 6 76mm bore
- 90 degree silicones 67-76mm x2
- Reducer silicones 67-76mm x2
- Straight silicones 76mm x2
- Mikalor Clamps 79-87mm x16
- Mikalor Clamps 73-81mm x4
- MVT Intercooler cores x2
- Screws x12
- Boost pipe support bars x2



1. Remove grommets from the undertray using trim tool.



- 2. Remove trim clips from undertray.
- 3. Remove 10 & 12mm bolts securing undertray.
- 4. Remove undertray/front splitter.
- 5. Open bonnet and remove trim clips from slam panel cover, remove the cover.
- 6. Remove trim clips from bumper.



7. Unclip and remove side repeaters.



8. The bumper is attached by 2x10mm bolts located on each side. These can be reached using a long extension.



9. Pull the bumper out at the sides to unclip and then out at the front, carefully lower.



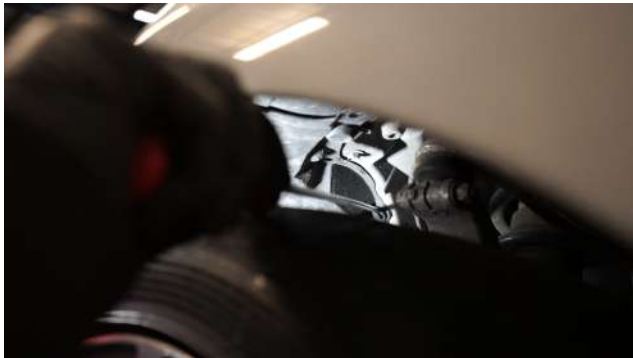
- 10. Disconnect 1x crash sensor, 2x screenwash pipes, 2x side light plugs.
- 11. Remove bumper.
- 12. Remove crash bar foam.
- 13. Remove crash bar bolts 8 x 12mm.
- 14. Remove 3x10mm nuts on splitter support.



- 15. Remove the crash bar.
- 16. Remove the 3x10mm bolts holding the water bottle, followed by the plugs and pump unit.
- 17. Remove the oil cooler duct attached with 4x Trim clips.
- 18. Remove 6x 10mm oil cooler mounting bolts so the cooler can be moved to one side DO NOT DISCONNECT.



- 19. Remove wheel arch liners attached with Phillips screws and trim clips. A long tool can be used. You can also remove the wheel for better access.



- 20. Disconnect front loom connections.
- 21. Unbolt and remove front loom mounting bracket.
- 22. Disconnect bonnet release, unhook and pull, *pay special attention to how it is attached for later.*
- 23. Remove 3x bolts holding each airbox.
- 24. Remove MAF sensors.
- 25. Un-clip each airbox.
- 26. *Carefully* remove recirculation valves from boost pipes. *Ensuring not to damage the gaskets.*



- 27. Disconnect earth cables to engine.
- 28. Remove airboxes.
- 29. Remove MAP sensors.



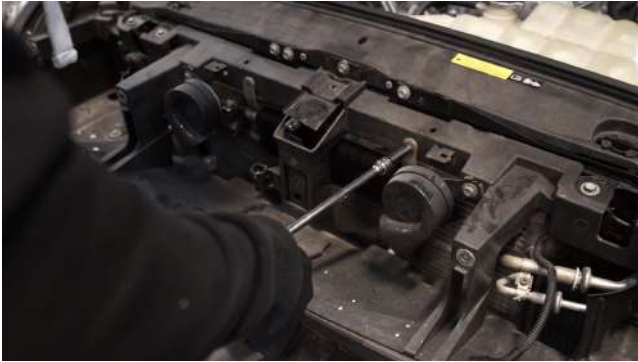
- 30. Remove upper boost pipes by removing clips at end.



- 31. Remove lower boost pipes.



32. Unbolt power steering cooler.



33. Remove the 10mm bolts attaching intercooler mounts to car.

34. Unbolt intercoolers from mount, remove pipes and slide out.



35. Remove rivets on shroud.



36. Install MVT Intercooler.



37. Install and mount back on to car with 10mm bolts

38. Arrange new MVT pipes ready to go on car.



Boss closer to center of pipe on this side.



Bigger silicone 90 on this side.

- 39. Install silicone bend onto turbo with clamps already attached.
- 40. Install lower boost pipe.



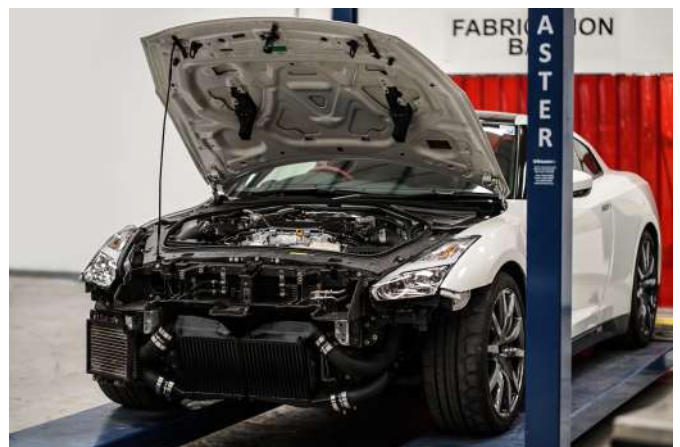
- 41. Install upper pipes.
- 42. Attach MAP sensor.



- 43. Install airboxes.
- 44. Install recirculation valves.
- 45. Install loom mounting.
- 46. Attach loom.
- 47. Connect bonnet release cable.



- 48. Bolt oil cooler back on.
- 49. Install oil cooler ducting.
- 50. Install boost pipe support bars.



- 51. Install water bottle.
- 52. Install crash bar.
- 53. Attach splitter support bars.



- 54. Install wheel arch liners.
- 55. Attach bumper.



- 56. Secure bumper with 10mm bolts and trim clips.
- 57. Attach repeaters.
- 58. Attach slam panel cover.
- 59. Install undertray.
- 60. Congratulations, you have finished installing your MVT Intercooler.

