



DIRENZA
PROVEN PERFORMANCE

VW Golf MK7 R 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

- T25 Torx
- T30 Torx
- 10mm Socket
- 16mm Socket
- M10 Allen Key

1x MVT Front Mount Intercooler





1. Open the bonnet and lift the car. If using a Jack place the car on Jack Stands once raised high enough.



2. Undo the 2x upper screws on the plastic trim panel.



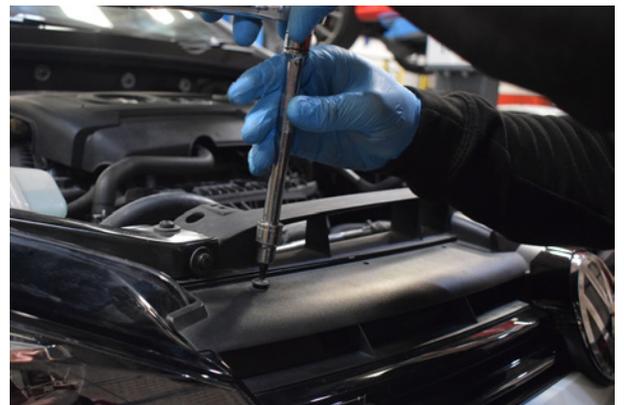
3. Step 2 continued.



4. Remove the breather hose from its retaining clips.



5. Step 4 continued.



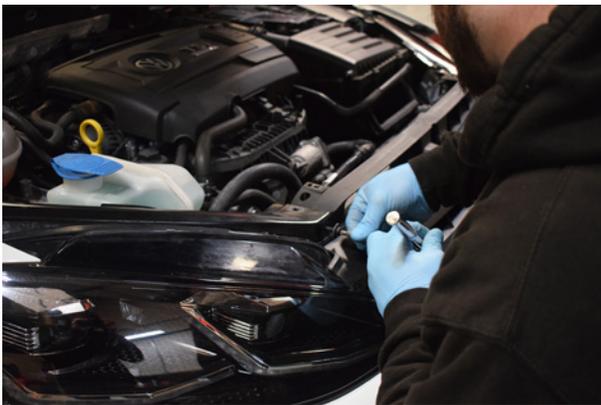
6. Remove the lower screws on the plastic trim panel.



7. Step 6 continued.



8. Remove 2x screws securing the metal trim piece.



9. Step 8 continued and remove the trim.



10. Repeat this process on the other side.



11. Step 10 continued.



12. Remove the plastic trim panel.



13. Disconnect the motion detector radar.



14. Undo the central bumper location screw.



15. Remove further 2x bumper screws (1 each side).



16. Pull wiring harness away from the bumper.



17. Step 16 continued.



18. Remove ... from inner wheel arch.



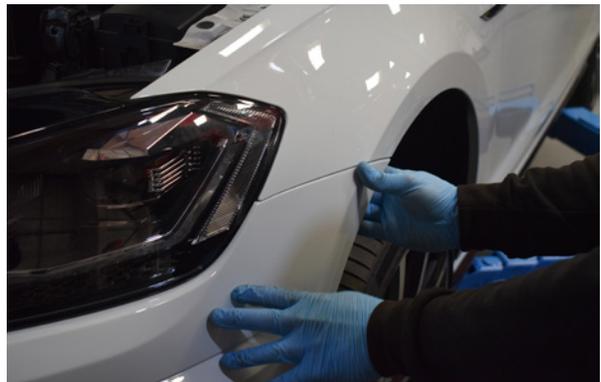
19. Remove screw securing the engine undertray & repeat on the other side.



20. You can now pop the edge of the bumper away from the wheel arch.



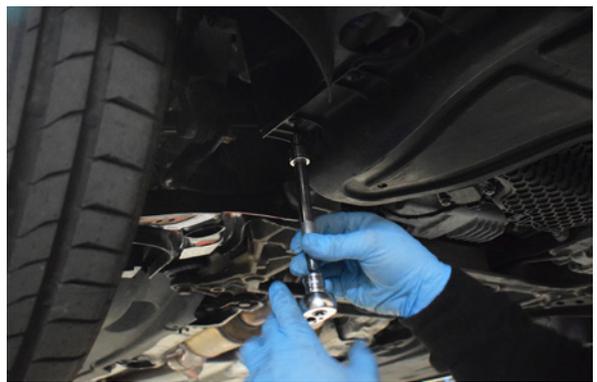
21. Repeat the process on the other side to release the front bumper,



22. Pull away upper edge of bumper to release.



23. Undo remaining engine undertray screws to free it from the car.



24. Step 23 continued.



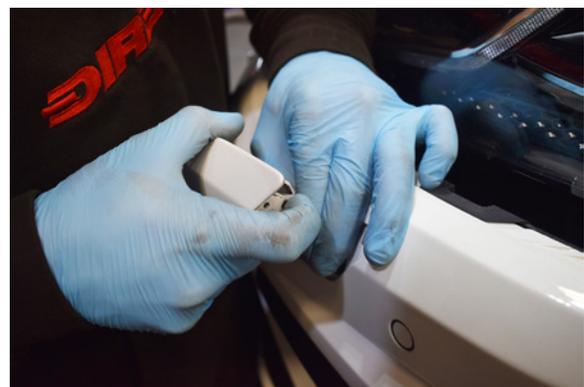
25. Remove the engine undertray.



26. You can now undo and remove the outer screws under the front bumper.



27. Repeat this on the other side.



28. Pull headlight washer out from the front bumper.



29. The cover unclips allowing you to remove the bumper.



30. Step 29 continued.



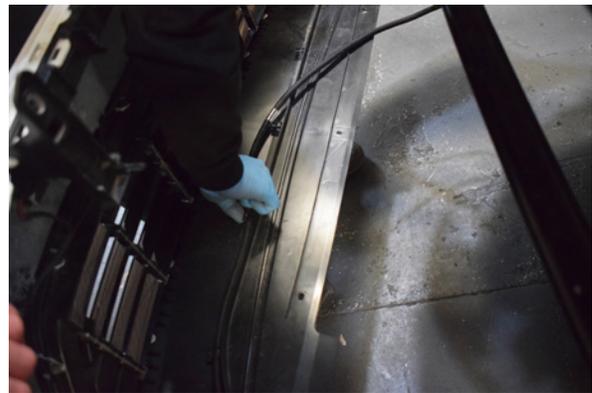
31. Remove the headlight washer cover on the other side of the vehicle.



32. You can now begin pulling the bumper away from the car.



33. Before removing you will need to unclip lower wiring from the bumper.



34. Step 33 continued.



35. Remove the headlight washer unit.



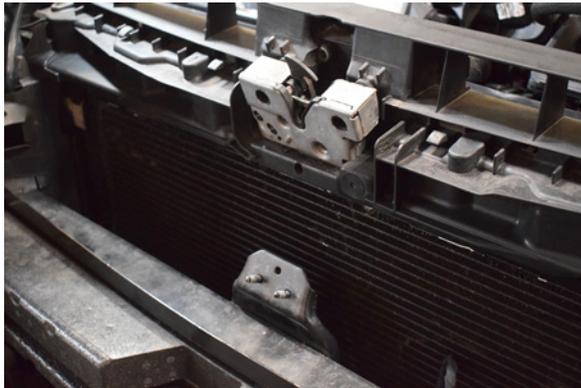
36. Step 35 continued.



37. With the bumper removed you can remove the upper rad pack bracket.



38. Remove 4x screws on the upper rad pack bracket.



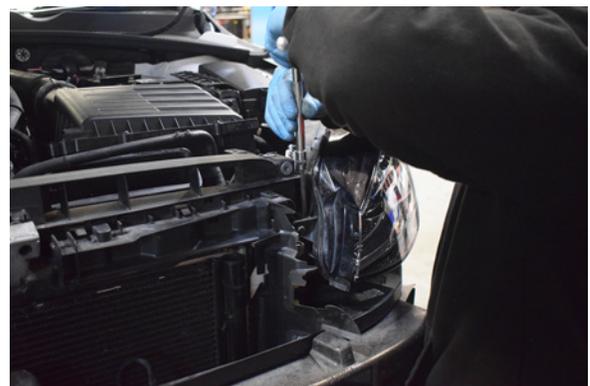
39. Remove the bracket



40. The headlights are held in position by 3 screws.



41. One of them is hidden towards the back of the headlight unit.



42. The second is towards the front.



43. The final screw is located on the side below the front wing.



44. With all three removed you can lift the headlight away from the car.



45. Unplug the headlight unit.



46. Step 45 continued.



47. Undo the Jubilee clip on the intercooler boost pipes.



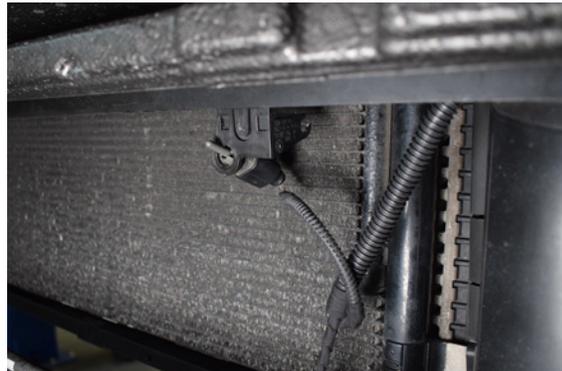
48. Remove the boost pipes from the intercooler.



49. Repeat the process on the intercooler



50. Step 49 continued.



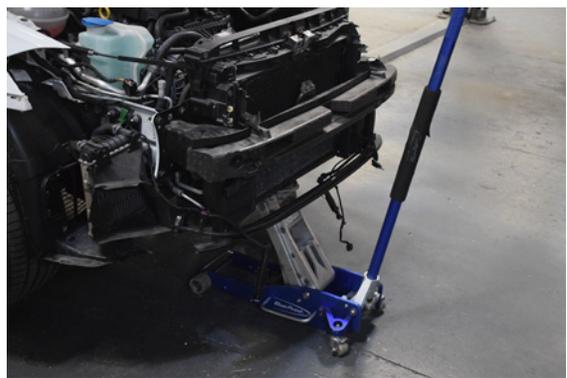
51. Disconnect air temperature sensor.



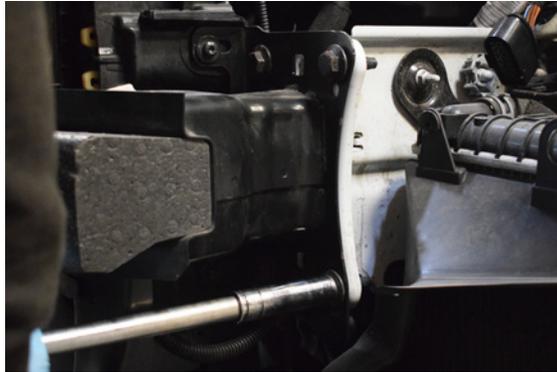
52. Undo bolt securing the horn.



53. remove horn and unplug, repeat process on the other side.



54. Place a jack under the radpack to take the weight off.



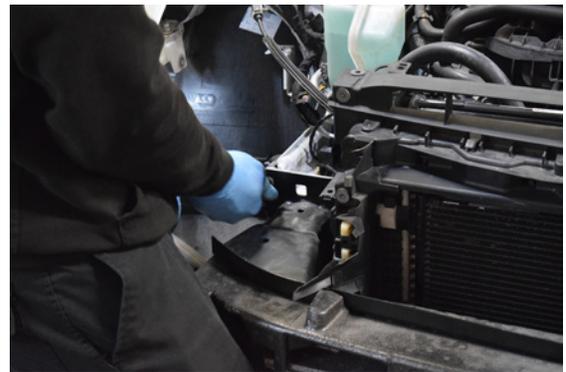
55. Undo the 4x bolts securing the crash bar to the chassis. Leave one bolt in for now and repeat on the other side.



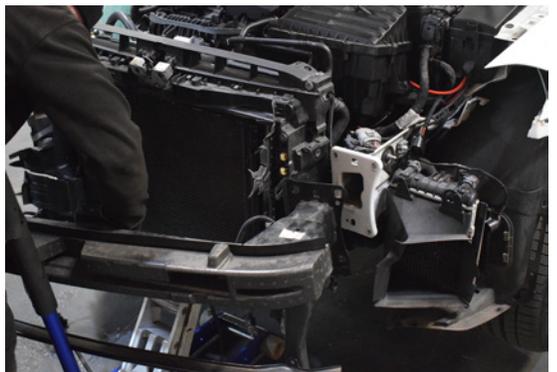
56. Undo additional 2x torx screws on the crash bar plate.



57. Repeat step 56 on the other side.



58. You can now remove the last bolts on the crash bar.



59. Remove the crashbar.



60. You can now access the condenser and OEM intercooler.



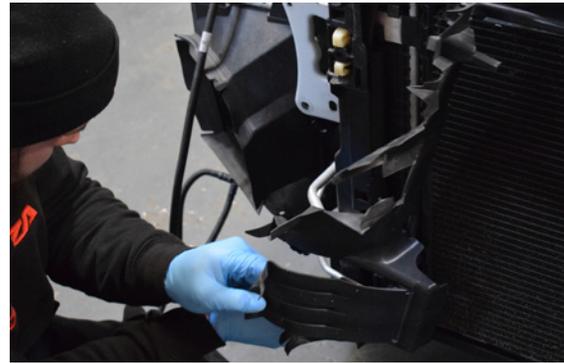
61. Unclip any wiring attached to the rad pack.



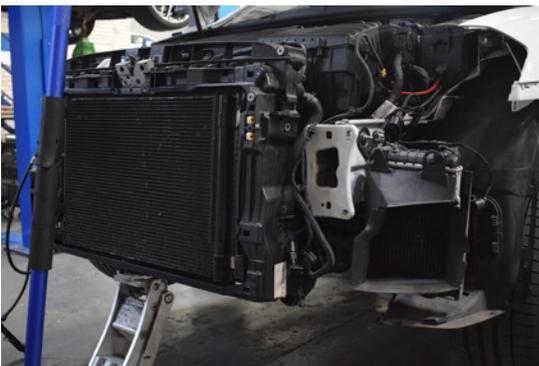
62. Unplug the 'bonnet open' sensor.



63. Remove crash sensor.



64. Unclip the rad pack ducting and remove.



65. Step 64 continued.



66. Undo the 2x screws securing the water pipe.



67. Step 66 continued.



68. Remove small rad pack trim pieces.



69. Lift the condenser so that the locating tabs are lifted above the retaining clips.



70. The condenser can hang safely out of the way.



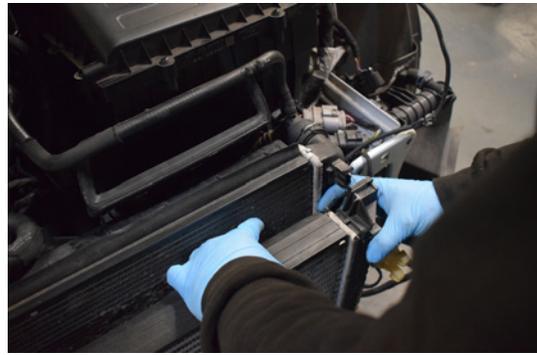
71. To remove the plastic frame in front of the intercooler, press the 2x plastic clips, you may need a helper to do this. (1 Clip per side)



72. With the clips pressed and released, remove the plastic frame.



73. Step 72 continued.



74. Release the intercooler from 2x retaining clips.



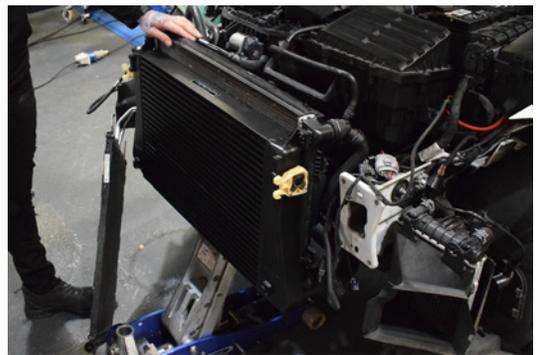
75. Remove the intercooler.



76. Remove the plastic retaining clips from the OEM intercooler and install onto the Direnza MVT.



77. The intercooler can now be lifted back into position.



78. Step 77 continued.



79. You can now re-install the plastic frame.



80. This frame is fitted using the plastic clips attached to the intercooler.



81. Step 80 continued.



82. The condenser can now be lifted into the securing tabs on the MVT intercooler.



83. Step 82 continued.



84. Secure the condenser with the supplied retaining brackets and hardware.



85. Step 84 continued.



86. Re-install the rad pack ducting.



87. Re-install the crash bar.



88. Secure crash bar using original 8x bolts.



89. Push the OEM boost pipes over the MVT intercooler end tank outlet.



90. Push the OEM boost pipes over the MVT intercooler end tank inlet.



Your Direnza Performance MVT Intercooler is now installed.



You may also like...



VW Golf MK7 R Aluminium
Auxiliary Radiator.



VW Golf MK7 R Air
Induction Kit.

THANKS FOR YOUR ORDER!

We really appreciate you choosing Direnza Performance for your recent purchase.

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