

DIRENZA
PROVEN PERFORMANCE

Ford Focus MK4 ST 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

- Trim Tool
- Jack/Ramp/Axel Stands
- Socket Set
- Extension
- Ratchet
- Breaker Bar/Air Gun
- Flathead/Philips Scredriver

1x MVT Front Mount Intercooler





1. Open the bonnet.



2. Remove 2x clips securing the intake to the front bumper.



3. Remove 2x screws just to the side of the bonnet stops.



4. Remove the upper headlight mounting screw.



5. Remove the lower headlight clips.



6. Carefully fold the headlight tab upwards.



7. Remove 2x 10mm bolts on the slam panel.



8. You can now nudge the bumper slightly forward.



9. With the bumper re-positioned, the headlights can be released.



10. Before removing from the car, unplug the electrical connection.



11. Remove both front headlights.



12. Behind the headlights, there is a...



13. Unplug the front bumper electrical loom.



14. Remove the clip securing the arch liner.



15. Remove bolt from the wheel arch liner.



16. Peel back the arch liner and un-clip the electrical connection.



17. Raise the car in the air to access the bolts located underneath the front bumper.



18. Remove 4x bolts.



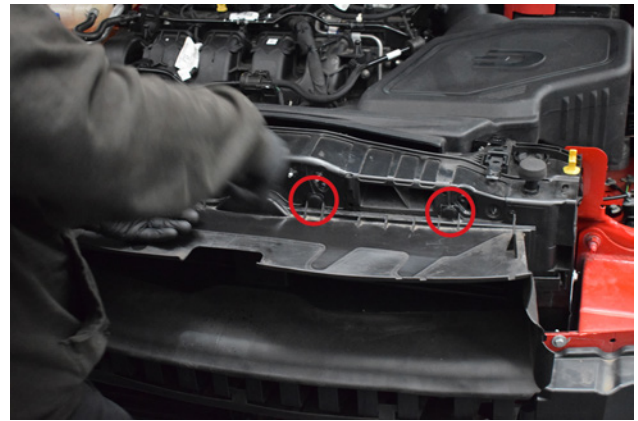
19. The bumper can now be released.



20. Carefully pull and lift away the bumper from the car.



21. The front bumper is now removed.



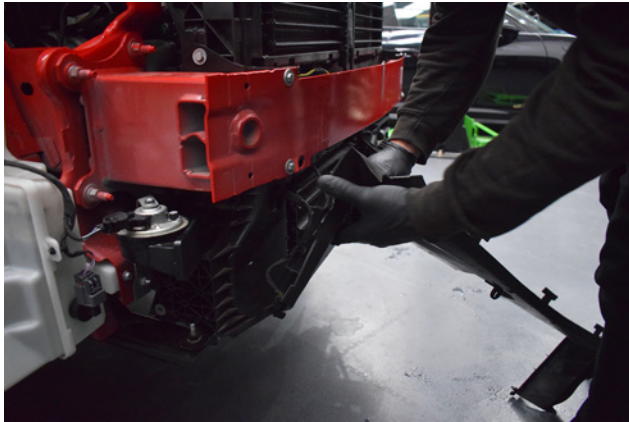
22. Remove 4x clips on the upper cooling duct.



23. With the clips removed the duct can be removed.



24. Un-plug the electrical connection located next to the intercooler shroud.



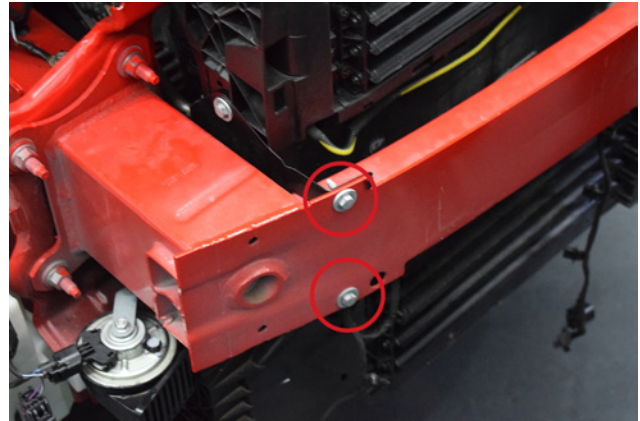
25. remove the intercooler shroud, this should just un-clip by hand.



26. Use a trim tool to release the wiring from the ...



27. Remove the screws securing the...



28. Remove 4x bolts on the front of the crash bar.



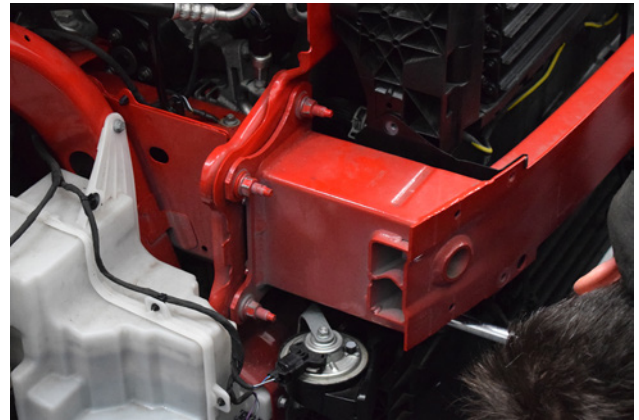
29. Step 46 continued.



30. Remove the upper bolt located on the side of the rad pack, repeat on both sides.



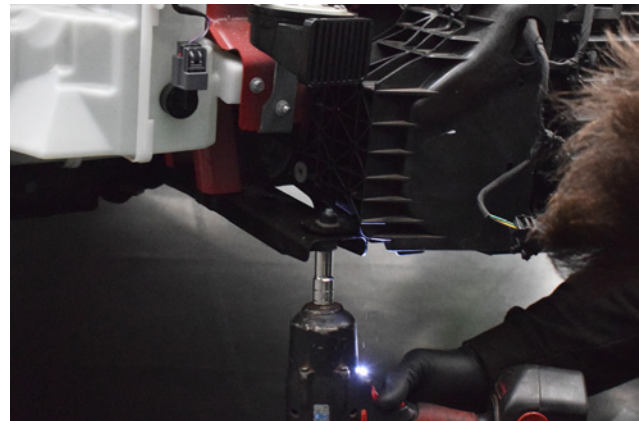
31. Remove the lower bolt located on the side of the rad pack, repeat on the other side.



32. Remove 8x crash bar nuts.



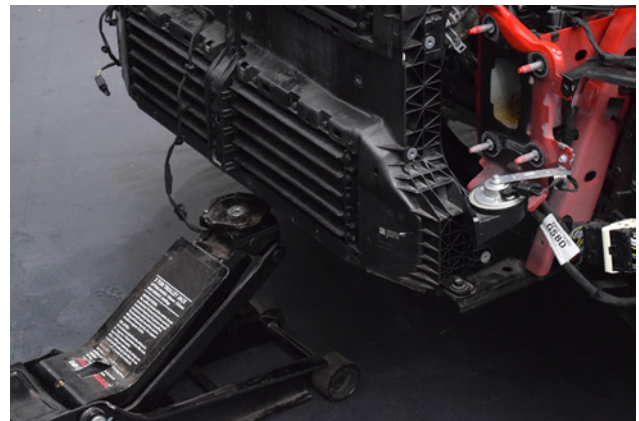
33. Carefully remove the crash bar from the car.



34. Remove 2x lower rad pack mounting bolts.



35. Remove the 2x upper bolts securing the rad pack to the car.



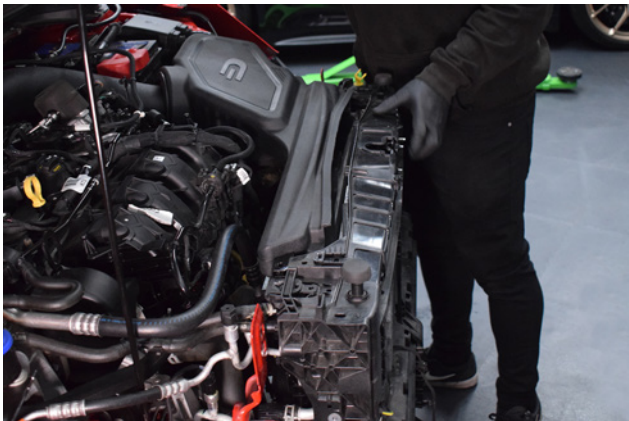
36. Place a Jack under the rad pack.



37. Use a screwdriver to release the clip on the Intercooler boost pipes.



38. Squeeze the tabs on the top of the rad pack to release from the car.



39. Carefully pull the rad pack forward.



40. Behind the rad pack you will need to remove the bonnet release bolt.



41. Undo the bonnet release cable.



42. You can now remove the rad pack from the car.



43. Step 61 continued.



44. If you haven't already, un-clip and release the boost pipes from the intercooler core.



45. Remove the intercooler by lifting and tilting to release it from its mounting points.



46. The intercooler is now removed.



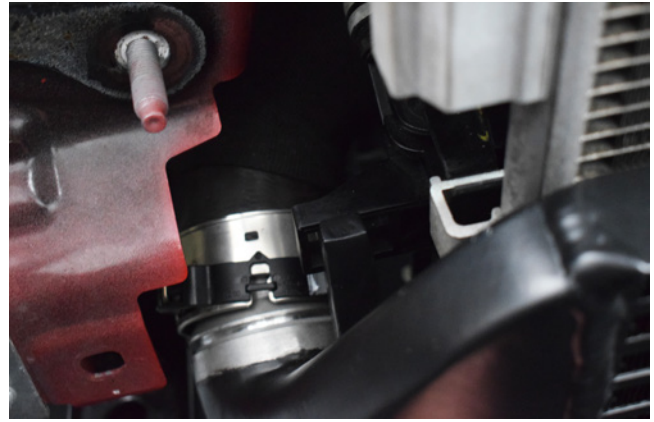
47. Fit the MVT intercooler by reversing the removal process.



48. The bracket and mounts on the intercooler will slot into factory positions on the car.



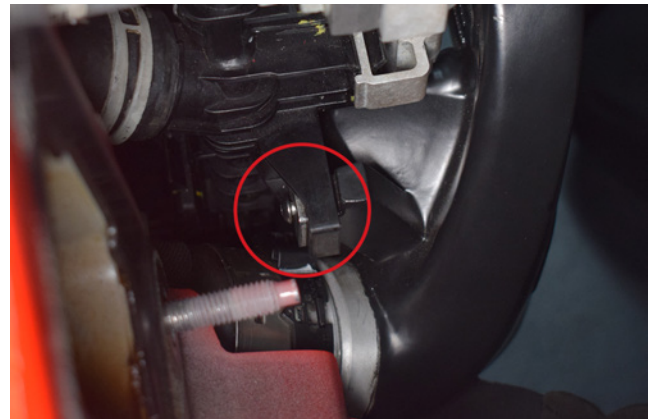
49. Once located, the intercooler will hold its weight.



50. Push the boost pipes onto the intercooler inlet, you will hear an audible noise as it secures into position.



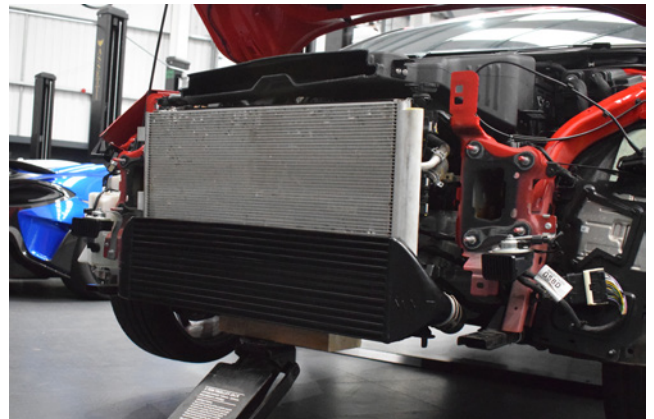
51. Repeat step 69 on the other side.



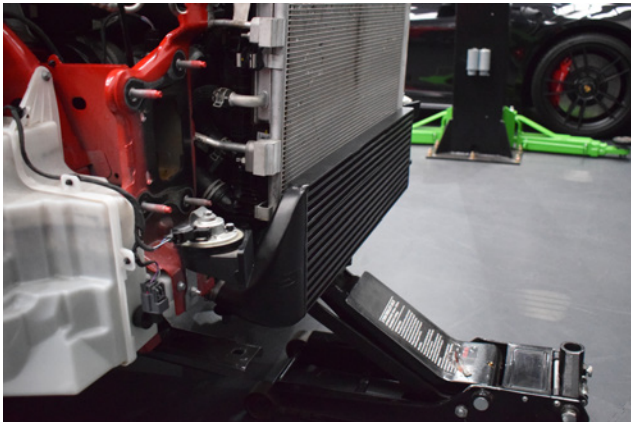
52. Use supplied hardware to secure the intercooler.



53. Step 71 continued.



54. The MVT intercooler is now installed.



55. You can now begin re-building the car.



56. Carefully lift the rad pack shrouding back onto the car.



57. Remember to re-connect the bonnet release cable and mechanism.



58. Secure the mechanism using the original hardware.



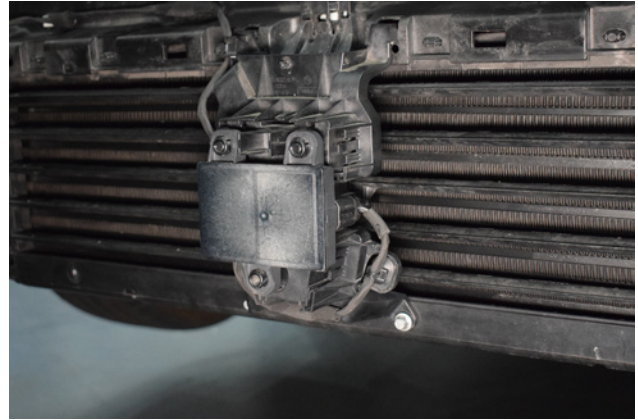
59. Install bolts on 2x lower mounting points.



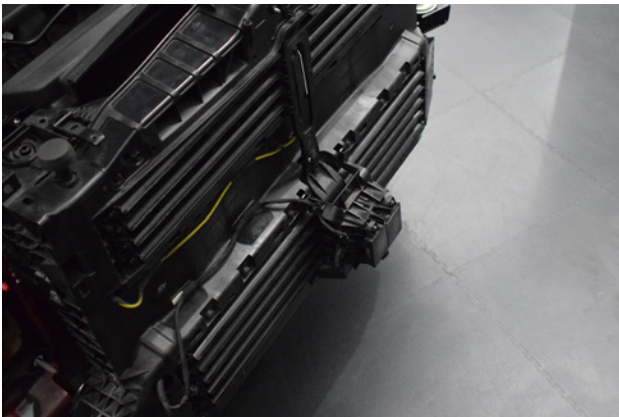
60. Install 2x upper mounting point bolts.



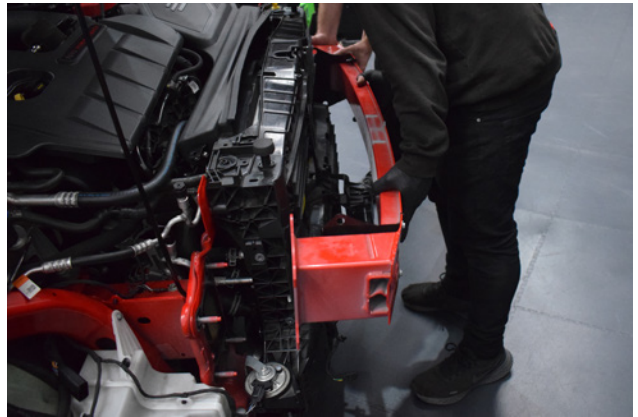
61. Install the front radar.



62. Step 62 continued.



63. The crash bar can now be installed..



64. Lift the crash bar onto the studs.



65. Tighten the crash bar using 8x nuts.



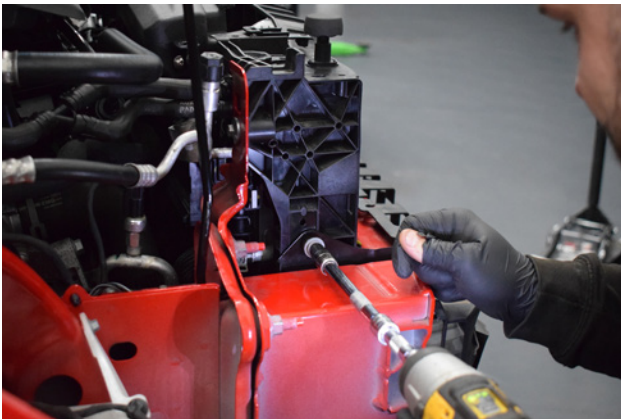
66. Install the plastic crash bar cover.



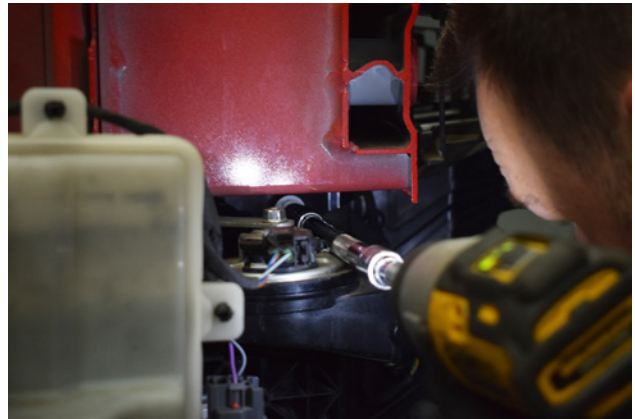
67. Install the flexible rubberized shroud onto the leading edge of the rad pack.



68. Re-connect the electrical sensor.



69. Install the upper side mount on the crash bar, repeat on the other side.



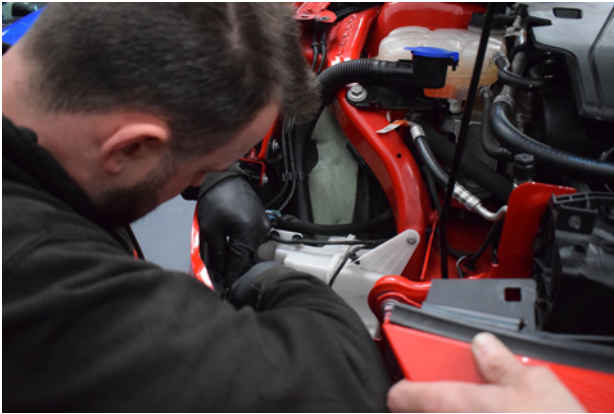
70. Install the lower mounting bolt on the crash bar, repeat on the other side.



71. Re-connect and locate all sensors positioned behind the headlight.



72. Lift the bumper back into position.



73. Re-connect the main bumper electrical loom.



74. Install all original hardware located behind and inside the wheel arch/liner.



75. Place headlights back into position, reconnect electrical connection.



76. Slot headlight into position and secure the top mounting point with original screw..



77. Remove 2x screws just to the side of the bonnet stops.



78. Remove 2x clips securing the intake to the front bumper.



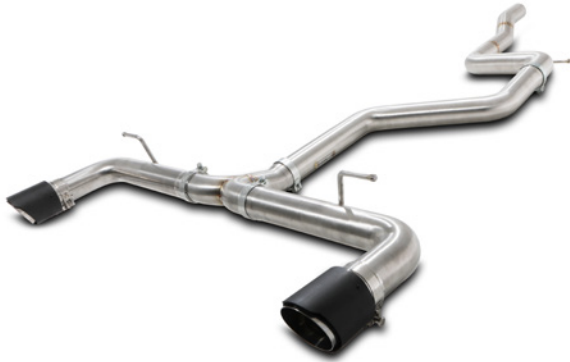
79. Secure 2x headlight mounting screws. Repeat on both sides.



80. MVT Intercooler is now installed.



You may also like...



Ford Focus MK4 ST 3" GPF Back Exhaust System.



Ford Focus MK4 ST 3" GPF Delete Pipe.



Ford Focus MK4 ST 3.5" Decat Downpipe



Ford Focus 20mm Hubcentric Wheel Spacers

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