



DIRENZA
PROVEN PERFORMANCE

Ford Focus ST225 MVT Intercooler Installation Guide

The Direnza ST225 MVT is a high performance aftermarket intercooler offering increased cooling and performance over the stock intercooler. The extra capacity along with revolutionary MVT technology gives lower output temperatures which result in power gains and more consistent power.

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, missuse or removal of Direnza products.

TOOLS NEEDED

- 8 and 10mm Sockets
- T27 socket
- screwdriver
- Jack stands/Ramp
- socket extension

- 1x Direnza MVT Front Mount Intercooler
- 1x Polished Hard Pipe
- 2x Intercooler Brackets
- 3x Silicon pipes
- 1x Symposer Delete bung
- 7x Hose Clamps
- 4x bolts





1. Remove the 6x phillips push fit fasteners from the engine bay slam panel.



2. Remove the 2x push fittings from the front bumper.



3. Remove the rear undertray and front bumper tray attached with T27 bolts.



4. Remove the 2x T27 bolts in the outside of the wheel arch.



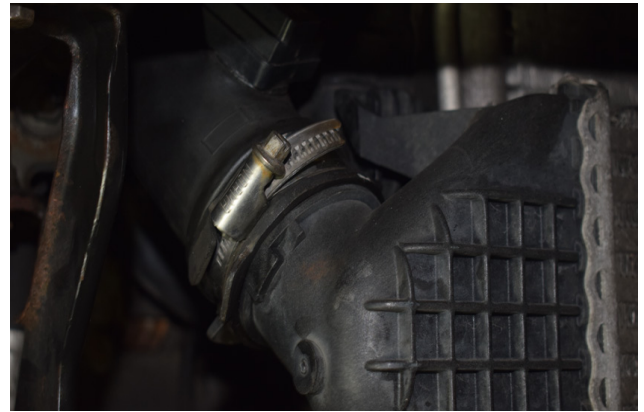
5. Remove the headlight washer jet covers by manually pulling the washers out.



6. Unplug the fog light connections.



7. On the inside of the arch there are 2x 10mm bolts to be removed on the passenger and driver side.



10. Loosen the 2x jubilee clips attached to the intercooler.



8. From here the bumper needs two push clips releasing and the bumper can be removed from the vehicle.



11. Remove the 2x 8mm bolts holding the intercooler in place and remove the intercooler.



9. Remove the two screws holding the air dams in place on the crash bar and remove them from the vehicle, 2x T27.



12. Remove the 3x 10mm bolts holding the hot side pipe in place. Then loosen the connecting jubilee clamps and remove the pipe.



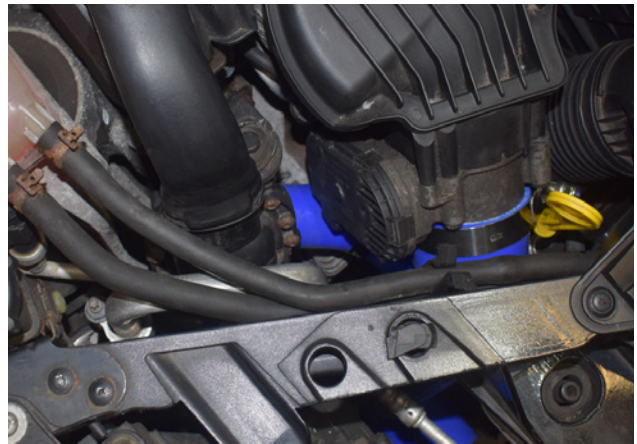
13. From the top of the engine bay detach the symposer pipe. Then remove the symposer valve from the throttle body by first removing the clip holding the pipe on.



16a. The symposer delete can be used.



14. Remove the top jubilee clip from the throttle body, unplug the temp sensor from the pipe and remove pipe.



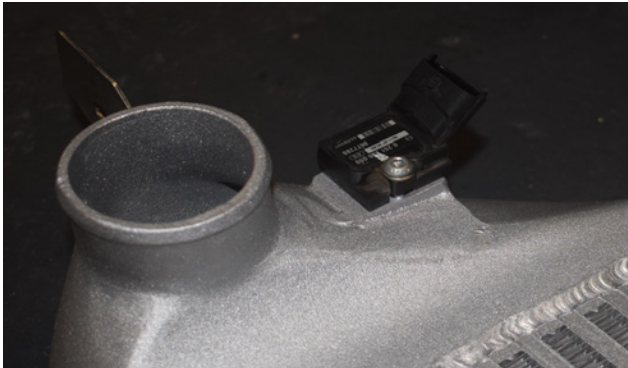
16b. Or the symposer can be reinstalled.



15. Attach the large hot sided silicone to the throttle body using a jubilee clip.



17. Attach the intercooler brackets as shown.



18. Remove the temperature sensor from the OEM pipe and attach to the intercooler.



21. Tighten all clamps securing the intercooler and silicone hoses.



19. Remove 2x bolts from radiator bracket so the intercooler can be installed. At the same time slide the bigger silicone on.

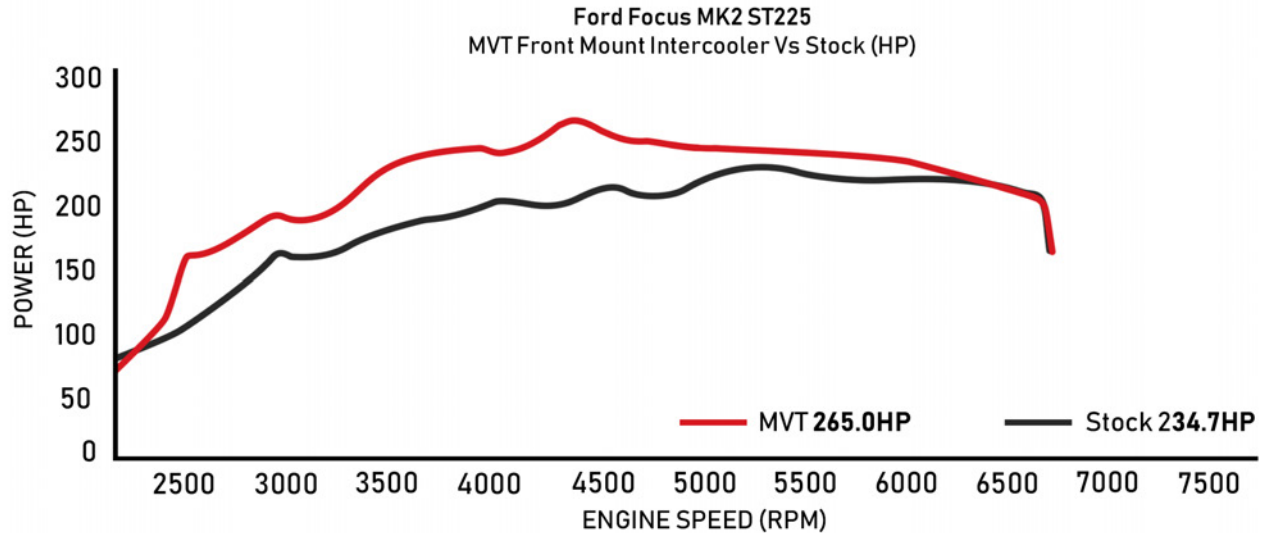


21. You can now re-install the bumper and all trim pieces.

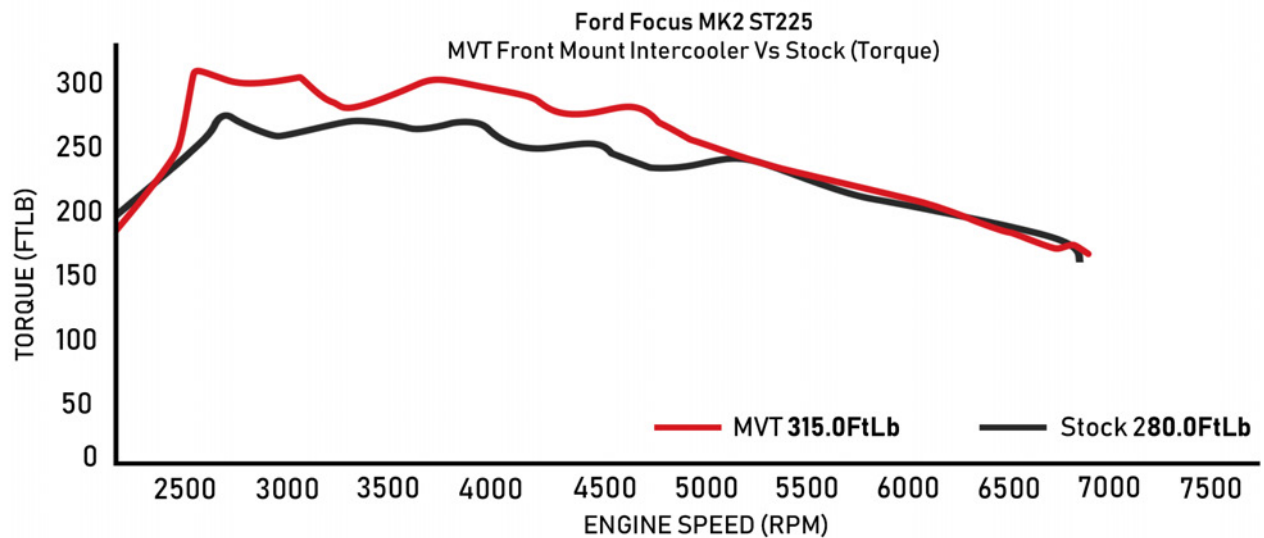


20. Using the short silicone connector and 2 clamps, put the hard pipe back into position - connect to turbo first. Then bolt the pipe to the sump before tightening the clamps.





With the Direnza Front Mount Intercooler Kit fitted, our Focus ST225 achieved 265.0Hp on the dyno, a gain of over 30Hp over the stock car. This was achieved without any engine mapping. However, what's more impressive is the improvement in power over the entire rev range.



Torque has also increased, up to 315.0FtLb, a gain of 35FtLb from standard.

You may also like...



Ford Focus MK2 ST225 Cold Air Induction Kit.



BMW Z4 E85 2.0 30mm Lowering Springs.

THANKS FOR YOUR ORDER!

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

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