



## **FORD FOCUS ST250 FMIC AND BOOST PIPE.**

### **INSTALLATION INSTRUCTIONS**



Please thoroughly read through and familiarize yourself with these instructions in their entirety prior to beginning any part of the installation process of any component. Please also ensure the vehicle and engine has cooled down sufficiently to avoid risking possible skin burns or other injury.

#### Tools Required:

Access to vehicle lift or floor jack and axle stands to support the vehicle.

T20, T30 Torxs driver, T30 Torxs attachment for ¼ drive ratchet.

Thin flat blade screwdriver.

8mm, 10mm, 13mm socket or spanner and long extension bar.

5mm Allen Key

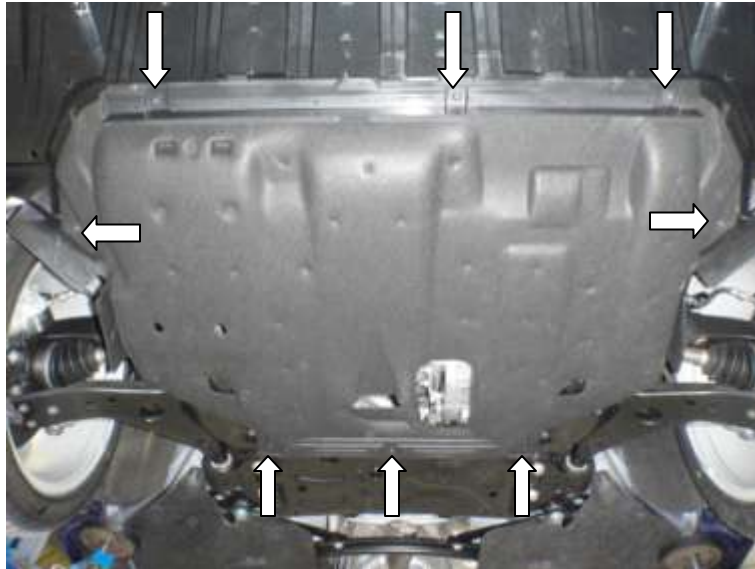
7mm hose clamp driver.

2x Cable tie

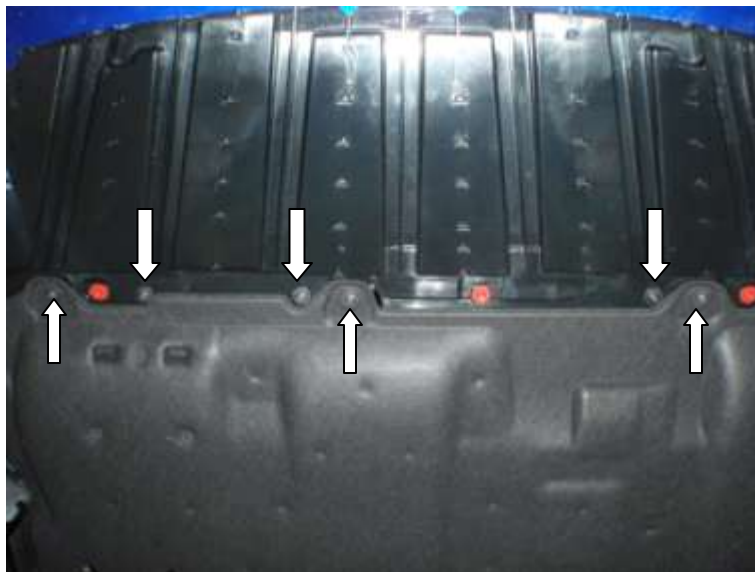
Safety eyewear, footwear, gloves and protective clothing are also recommended.

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1. Raise the vehicle on a ramp or suitable axle stands, to allow access to the underside of the front of the car.
2. Undo 8x T30 Torxs around the perimeter of the under tray. Remove the plastic cover strip. Slide the under tray forward to remove it from the vehicle. Store in a safe place to prevent damage while working on the vehicle.

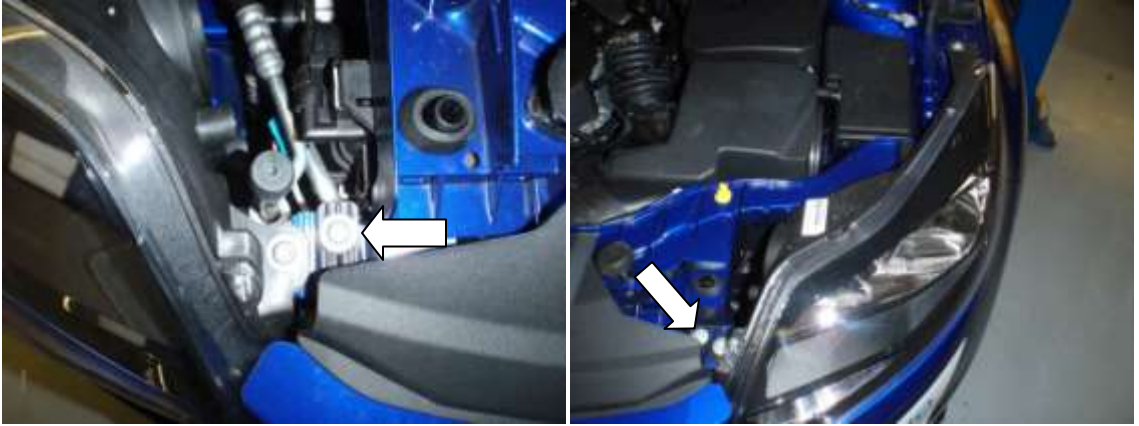


3. Undo 6x T30 Torxs that were hidden underneath the cover strip.



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4. Moving to the top of the vehicle. Undo the T30 Torxs located either side of the grill.

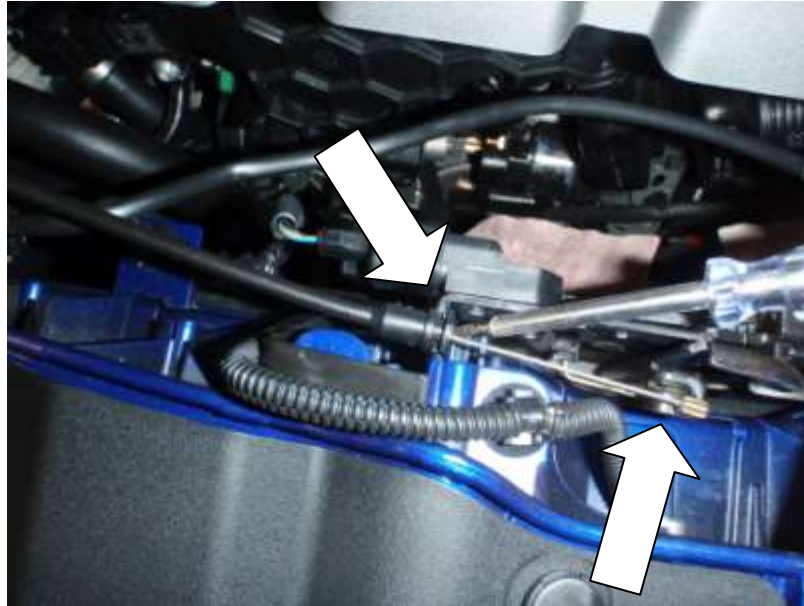


5. To release the headlights undo 2x T30 Torxs, pull the headlight forward unclip the large connector at the rear of the headlight. You may need to pull the bumper forward to allow the headlight to clear the edge of the bumper. Store the headlights in a safe place to prevent damage, while working on the rest of the vehicle.

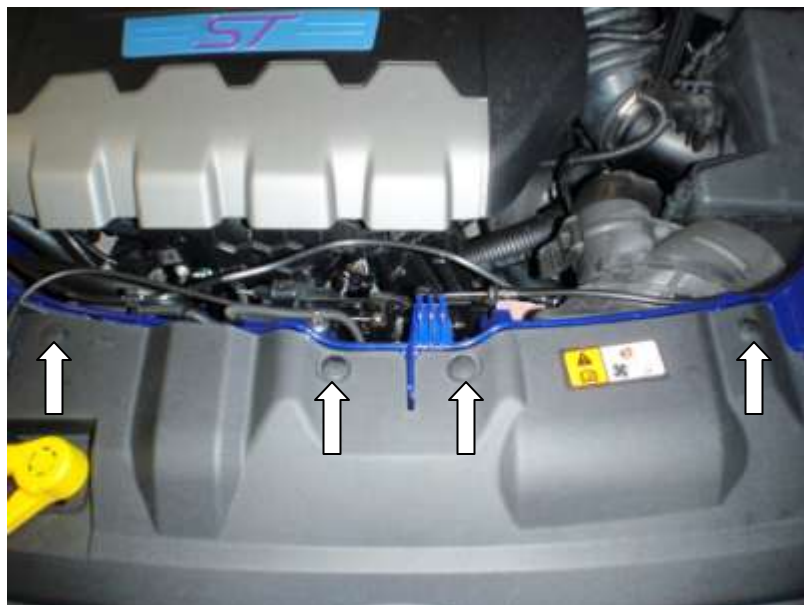


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6. Disconnect the bonnet cable release, using a flat blade screwdriver of similar tool, unclip the cable.

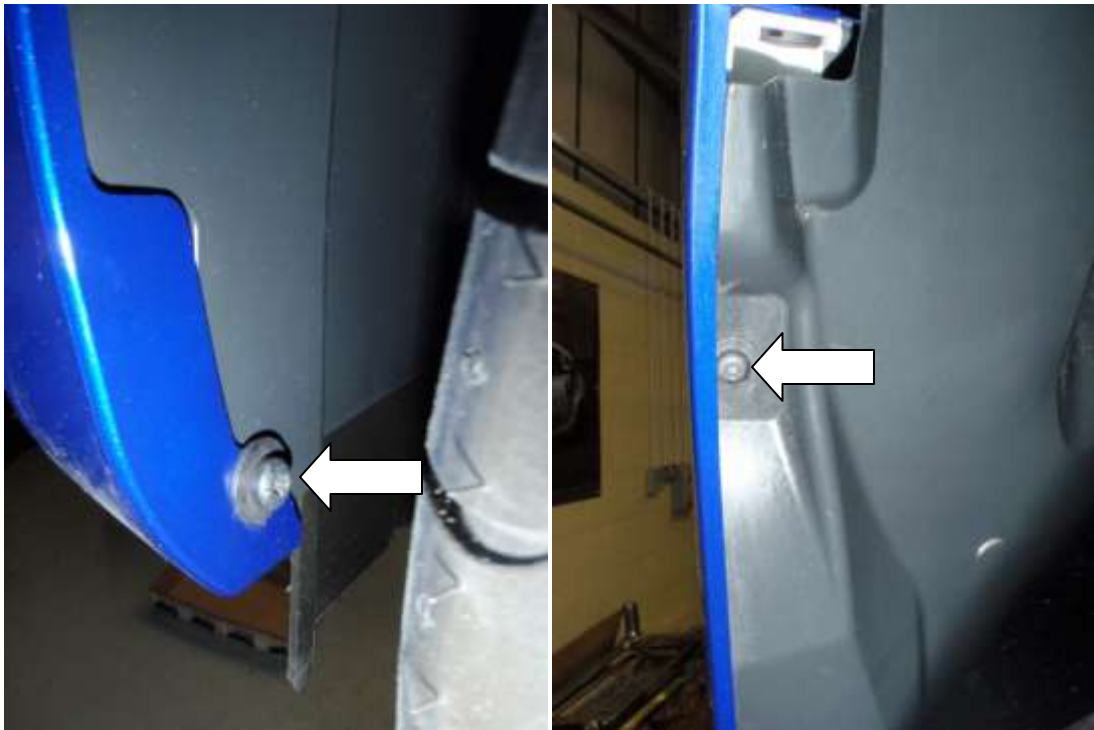


7. Using a flat blade screwdriver or similar tool remove the four plastic clips along the top edge of the bumper.

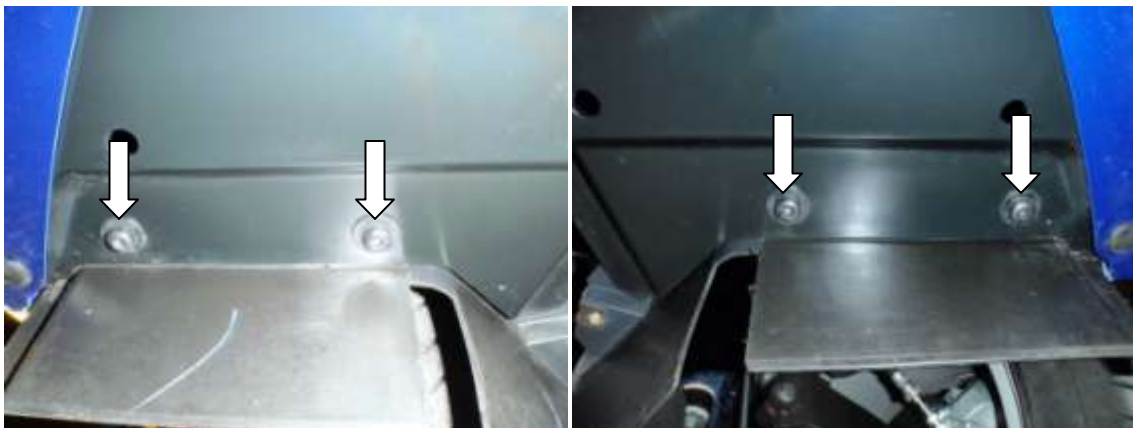


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8. Undo the 2x T30 Torxs located inside at the front of both wheel arches.



9. Undo the 2x T30 Torxs located underneath in front of both wheels.



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10. Using a flat blade screwdriver or similar tool remove the plastic clip inside at the top of both wheel arches.



11. Pull the arch liner outside of the front bumper, to allow the bumper to pull forward without catching.



12. From underneath, on the passenger side reach inside the bumper and disconnect the large connector. This disconnects both fog lights.



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13. On the outer edge where the bumper meets the bodywork pull the bumper outwards to unclip it. Check that all the fixings have been removed and the wiring disconnected.
14. The bumper is now ready to remove, release the 2x large plastic clip and carefully pull the bumper forward. Store in a safe place to prevent damage while working on the rest of the vehicle.



15. To remove the lower plastic air duct undo the 2x T30 Torxs and unclip from underneath.



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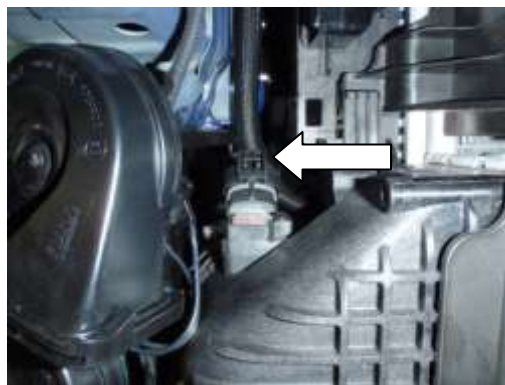
16. To remove the top air duct unclip the metal clips on both sides.



17. To remove the stock intercooler undo the 2x 8mm bolts located underneath the intercooler.



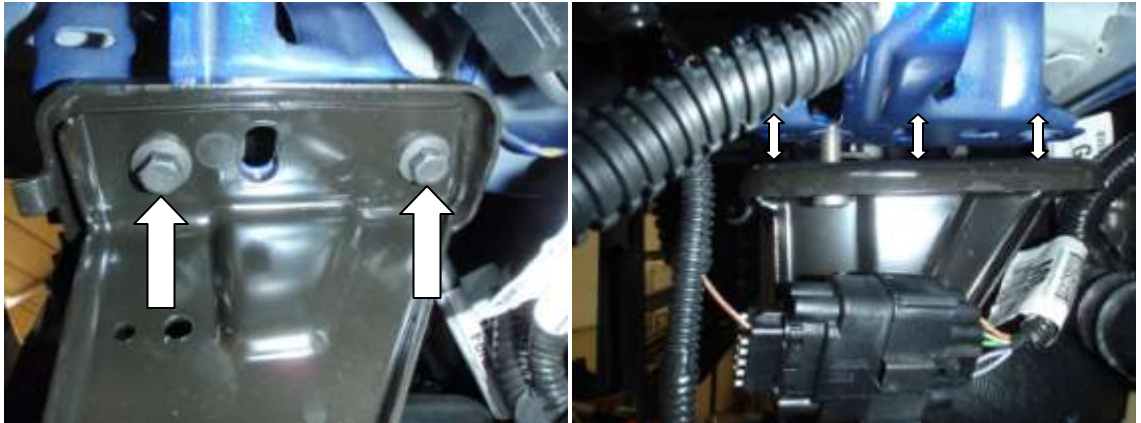
18. Using a 7mm Hose clamp driver or flat blade screwdriver undo the jubilee clips at either end of the intercooler and unclip the connector on the map sensor.



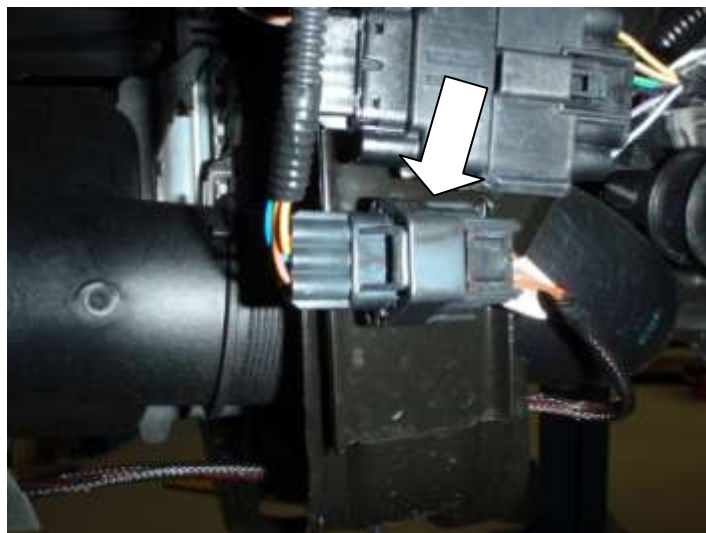
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19. Pull the bottom of the intercooler forward, slide the intercooler down to release it from the top clips.
20. On the cradle that runs underneath the radiator, using a 10mm socket loosen the 2x bolts at each end. Undo the bolts gradually until no thread is showing above the captive nut.



21. This allows the radiator to move downwards, disconnect the large connector (passenger side) for the active ducting. Lift the plastic ducting upwards to unclip it from the radiator.



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22. On the standard intercooler remove the MAP sensor using a T20 Torxs.



23. Using the M6x16mm Allen Head bolt and M6 washer bolt the MAP sensor to your new Forge Intercooler.

24. Using the M6X8mm hex. Head bolt and washer provided bolt the cotton reel to the long bracket.



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25. Place your new Forge Intercooler in position. The top clip locates of the top part of the hook on the radiator (the standard intercooler uses the bottom).



26. Using an M6X16mm Hex head bolt, 3x M6 washers and 2x M6 Nyloc nuts bolt the bottom mounts to original intercooler mounts.



27. Once the intercooler is secured, use a 10mm socket to retighten the 2x bolts at either end of the radiator cradle.
28. Reconnect the MAP sensor.
29. Using a hose clamp driver or similar tool undo the jubilee clip on the standard boost hose running to the adapter before the throttle body. Replace the standard hose with the new Forge silicone hose and secure with a suitable jubilee clip.

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30. Moving to underneath the car. Use a hose clamp driver or similar tool undo the clips on the hose running from the turbo outlet to the hard pipe.



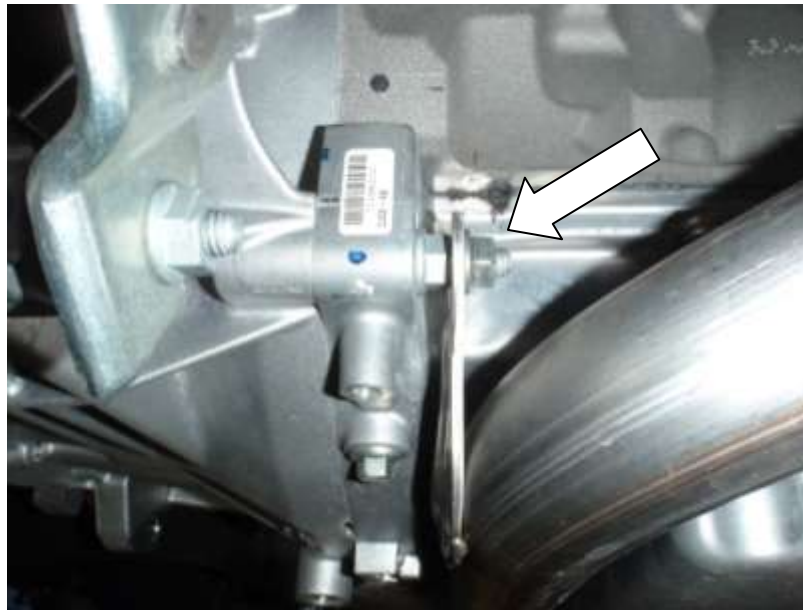
31. Using a 10mm socket and long extension bar undo the bolt securing the standard hard pipe to the front of the engine.



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32. Moving to the rear of the engine, using a 13mm spanner undo the bolt securing the rear bracket on the boost pipe. Remove the pipe from the vehicle.



33. Place your new Alloy boost pipe in position and secure on the original mounts, using the original fixings.



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34. Connect the turbo outlet to the hard pipe with the new Forge silicone hose and secure with 2x suitable JCS clips.



35. Use the remaining 90Deg silicone hose to connect the hard pipe to the intercooler outlet. Secure with suitable hose clamps.



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36. Check all fasteners and hose clamps, using a cable tie, secure the connector for the active ducting to the wiring loom.
37. Follow steps 14 to 2 in reverse order to reassemble your vehicle.
38. Your installation is now complete! Enjoy your new performance!

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