



## BMW 335 N55 (single turbo engine) FRONT MOUNTING INTERCOOLER INSTALLATION INSTRUCTIONS



### **Tools needed:**

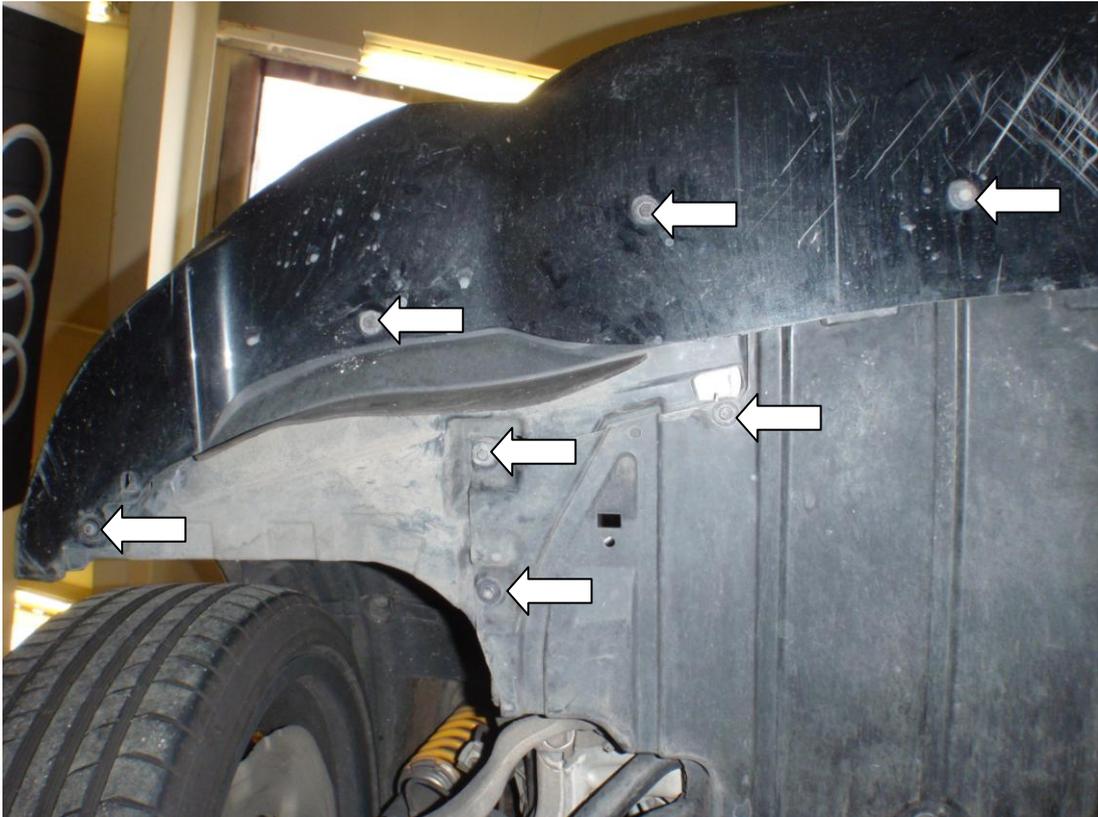
¼" ratchet with extensions, and 7mm bit

7mm and 8mm Hose clamp driver

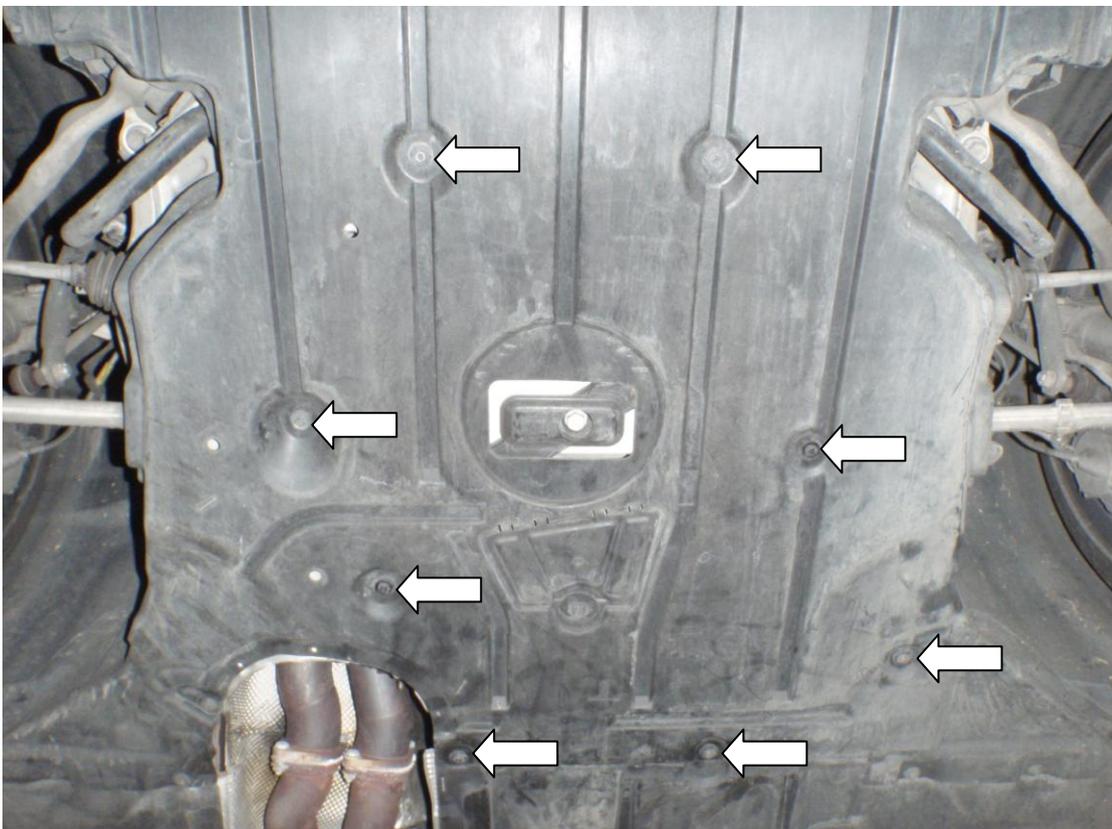
Flat bladed screwdriver

Needle nosed pliers

1. Jack the car up and support it on the jacking points under each sill. Start removal of the engine undertray by removing the seven 8mm bolts on each side as shown.



2. Undo the remaining eight screws securing the rest of the undertray, then pull towards the rear of the car to release it from the bumper and remove from the car.



3. You will now have exposed the underside of the stock intercooler. Using your needle nosed pliers, or a flat bladed screwdriver, lever the c-clip out that holds the intercooler hose into each side of the intercooler. The c-clip will click when it's in the undone position, then pull the intercooler hoses out of the intercooler.



4. Rotate the two clips on the underside of the intercooler to the 'unlocked' position, and remove the plastic piece under the intercooler that they were securing.



5. Using a T25 screwdriver, undo the screw on each side of the intercooler. Be sure to support the intercooler as you remove the screws as these are all that's holding it in place.



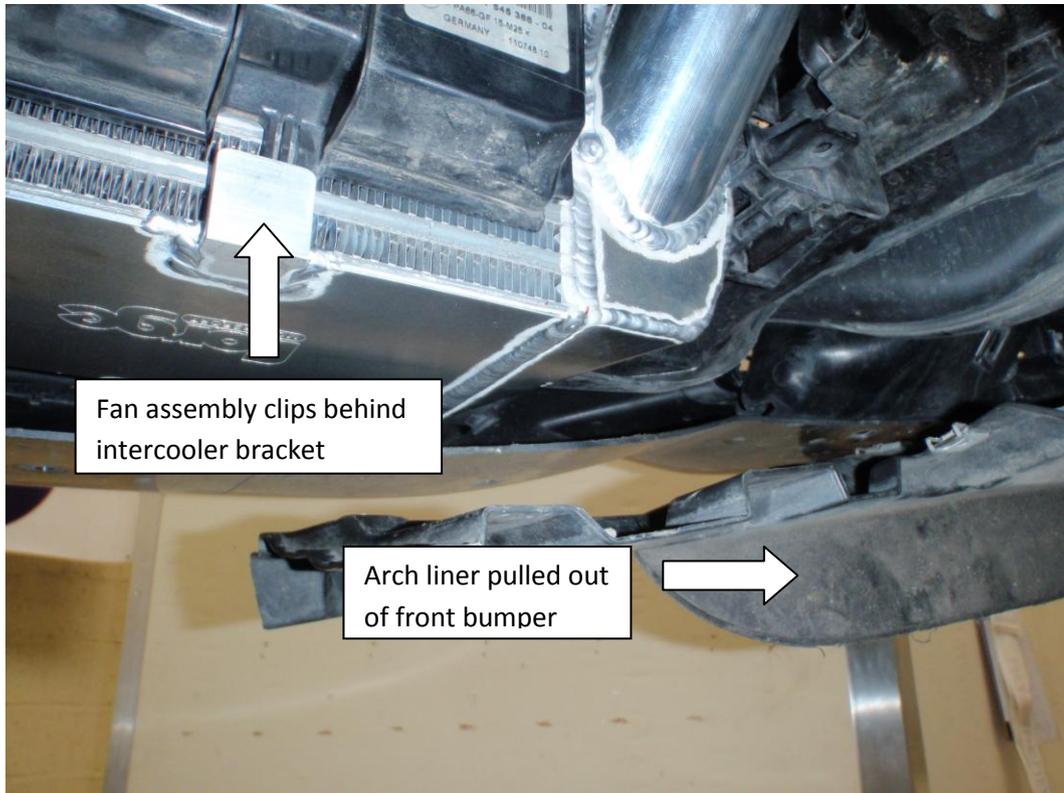
6. Remove the intercooler from the car with care. On the 335 it's necessary to bend back the lower edge of the bumper to facilitate removal, and moving the lower edges of the arch liners out from inside the bumper will help. Take care that the clips on the back of the intercooler release from the fan shroud.



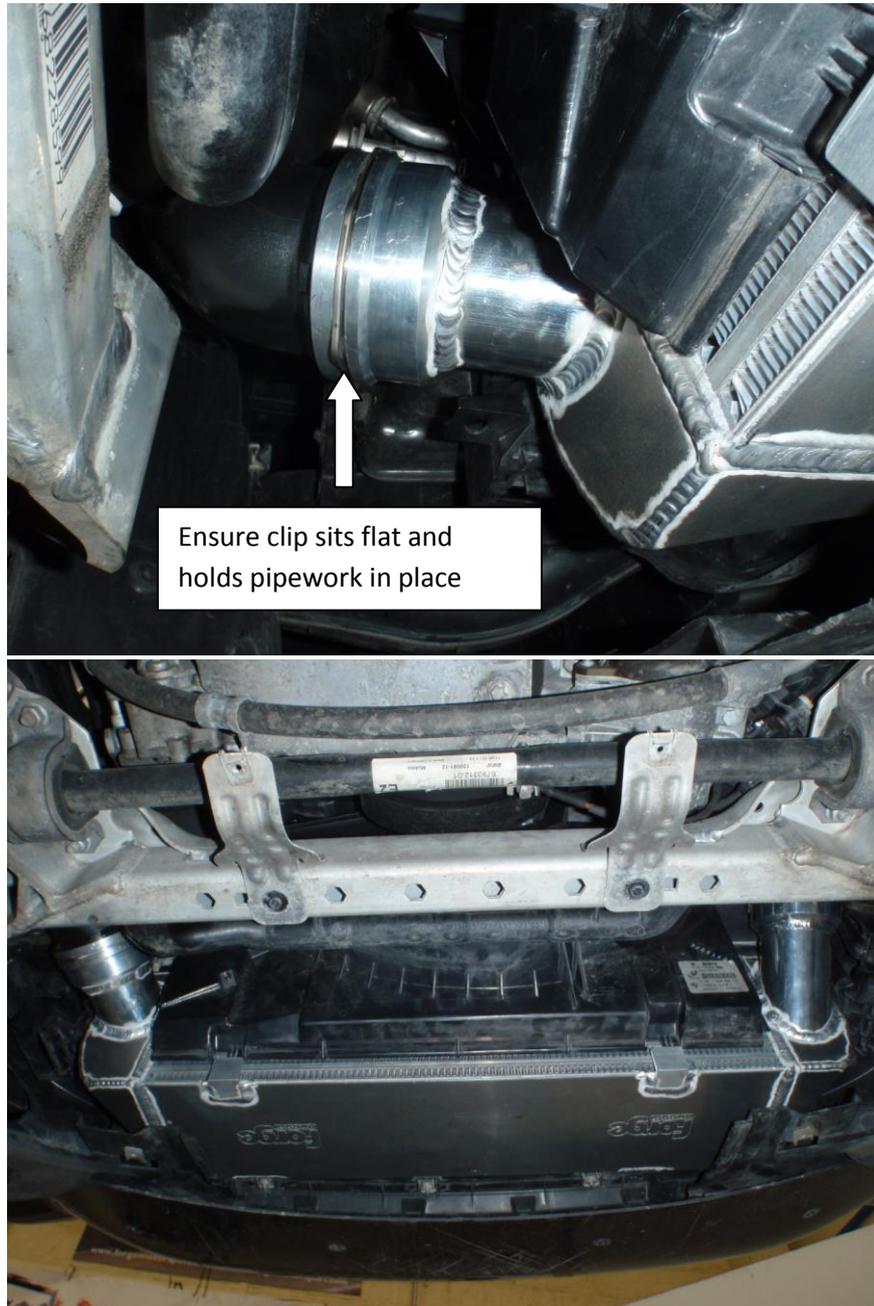
7. With the intercooler removed from the car, prise the hose retaining clips off using a screwdriver, and place them on the new Forge intercooler.



8. Push the Forge intercooler up into the space in the bumper – it may be easier to pull the arch liners out from the bumper to give you more room, and guide the intercooler hoses in at the same time. Once in place, do up the screws you removed in step 5, making sure that the fan assembly is clipped on the back of the intercooler as you do up the screws.



9. Push the intercooler hoses in until they click into place against the clips in step 7. Ensure they cannot be pulled out. Now refit the arch liners and undertray and the installation is complete.



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