

BMW N55 Turbo Intake Hose Fitting Instructions

Tools needed:

- Jubilee Clip Flexi-Driver or Long Flat-Bladed Screwdriver
- Ratchet and Socket Set including Torx Sockets
- Spray Lube/oil (for fitting O-rings)

Kit Includes:

- 1x Pro Hoses Silicone Turbo Inlet Hose
- 1x CNC Turbo Inlet
- 1x CNC Breather Take Off
- 1x M4x12mm Socket Head Bolt
- 1x M4 Pan Washer
- 2x O-rings
- 3x Jubilee clips (1x 100mm, 1x 80mm, 1x 50mm)

PLEASE THOROUGHLY READ THESE INSTRUCTIONS AND MAKE SURE YOU ARE FAMILIAR WITH THE STEPS BEFORE CARRYING THEM OUT



Instructions

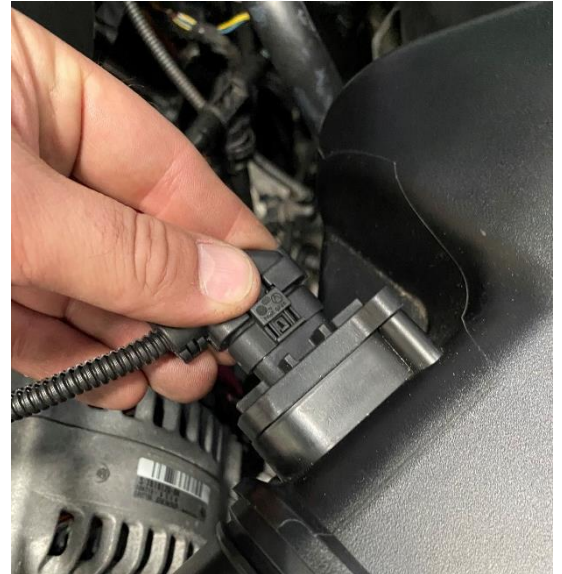
1. Open the bonnet and remove the engine cover by firmly but carefully lifting upwards from the front left corner.



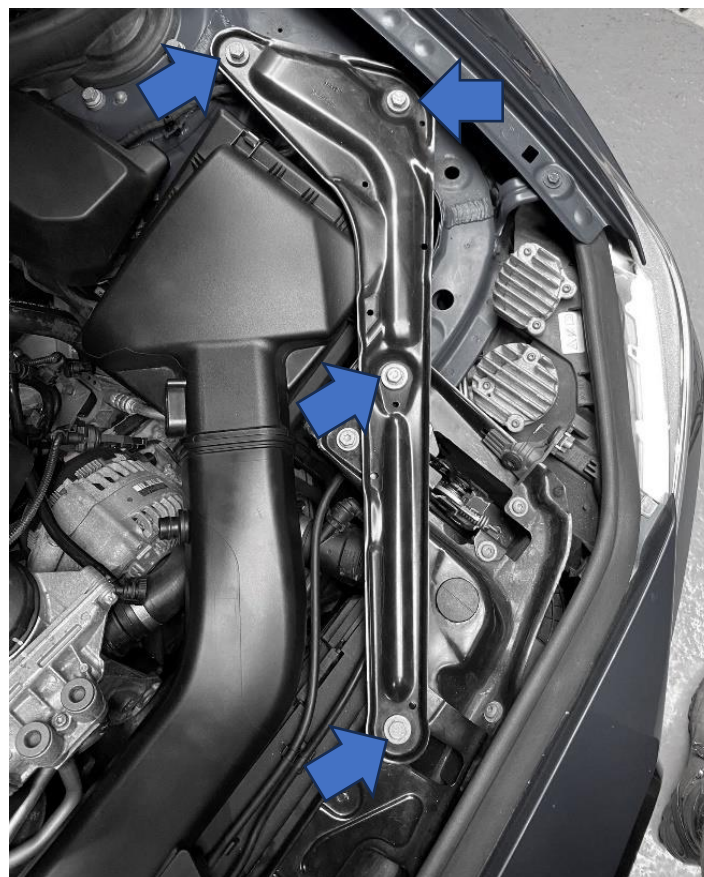
2. Undo the hose clamp to the induction pipe on the left-hand side.



3. On the right-hand side of the pipe, unclip the vacuum pipe by squeezing together the two sides that are ribbed and then unclip the MAP sensor next to it.



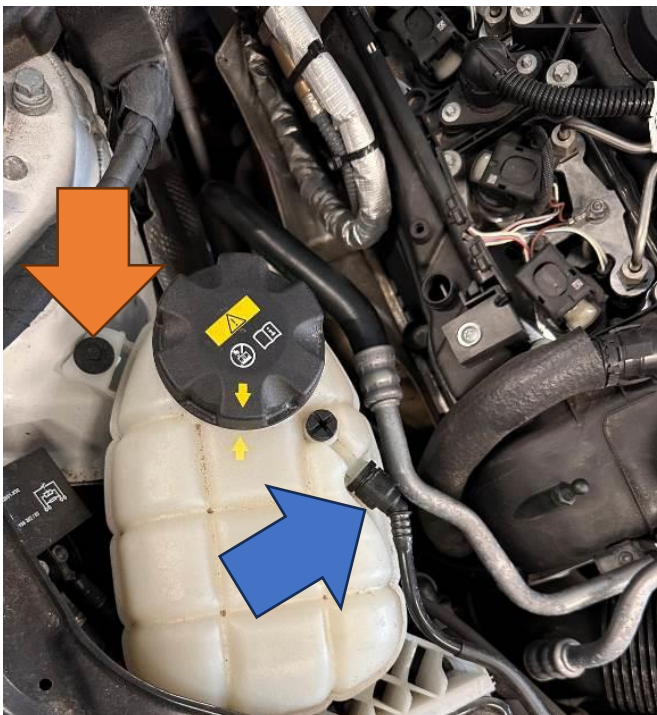
4. Now release the right-hand brace by removing the four 13mm bolts highlighted and then firmly but carefully lift the air box together with induction pipe up off the rubber mounts and place aside.



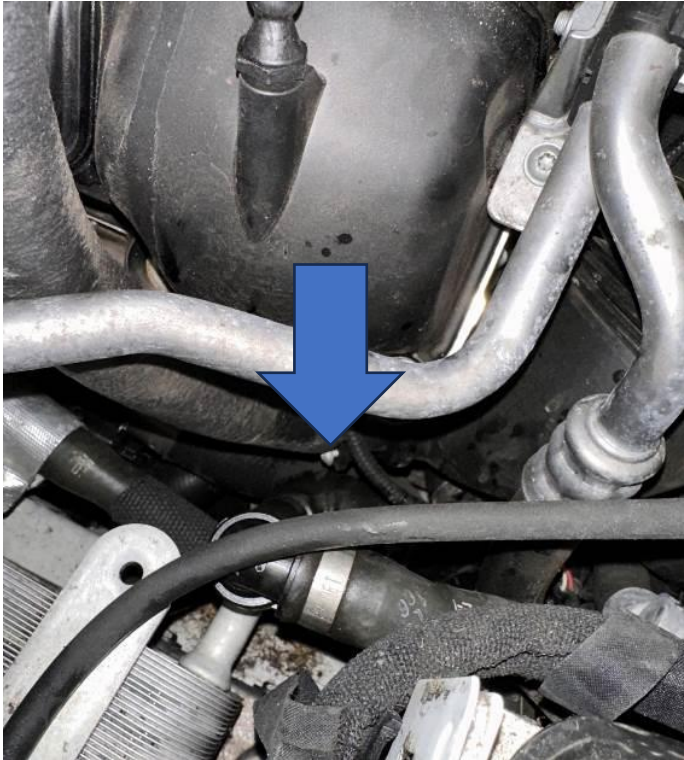
5. Now undo left-hand brace by removing the four 13mm bolts highlighted.



6. Next release the coolant tank to gain more access. First disconnect the vent pipe (blue arrow) by squeezing the clip to release. Then undo the 8mm bolt (orange arrow) and gently lift the tank and until you see two tabs on the front edge. Push these to release and the tank can be moved up and rotated to provide extra access.



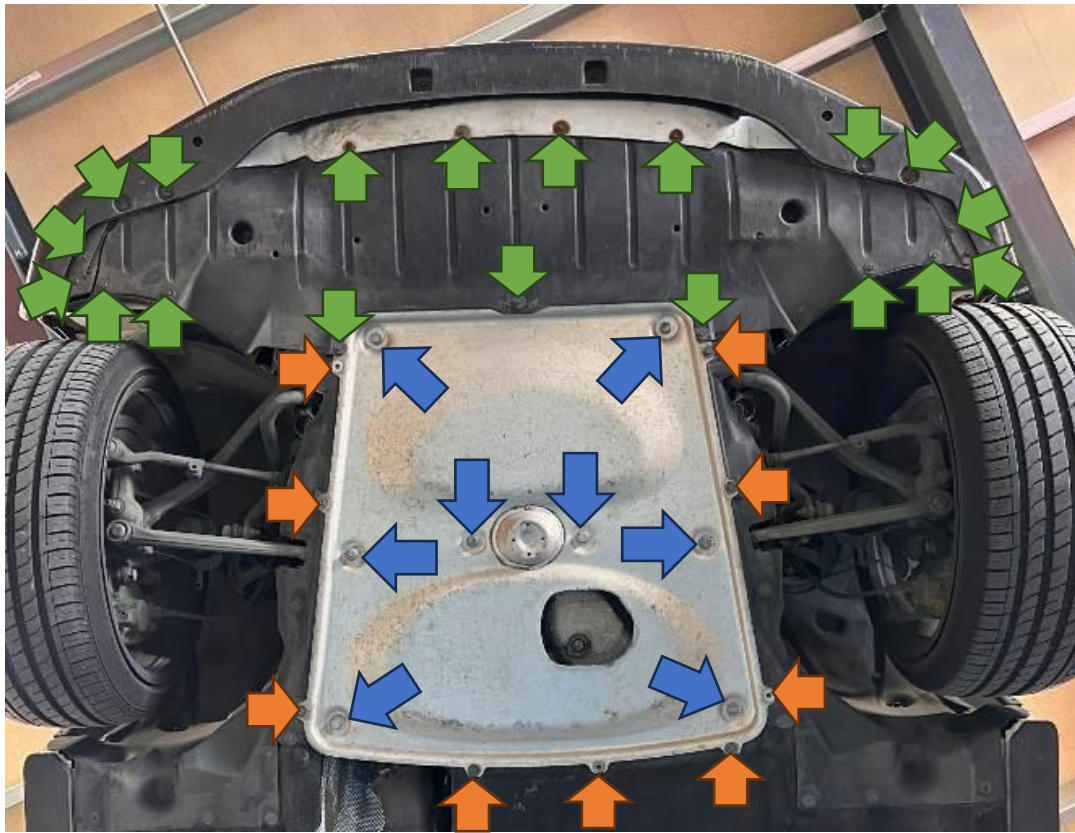
7. At the front left-hand side of the engine, locate the T25 Torx bolt holding the breather hose to the intake pipe (blue arrow) and remove it. The bolt is pictured slightly undone here to help highlight it). Then unclip the wiring harness attached to the breather hose further down (orange arrow) using a long flat-bladed screwdriver to reach the tab, being very careful not to break the plug.



8. Now unclip the top of the breather hose from the engine by lifting the tabs carefully whilst applying pressure to pull the hose away from the engine. Once unclipped, remove the hose from the car.



9. Working under the car, remove the metal undertray by undoing the eight 16mm bolts (blue arrows) and nine 8mm bolts (orange arrows), followed by removing the 19 8mm bolts (green arrows) holding the front plastic undertray.



10. With the undertrays removed, locate the 10mm nut on the holding the standard boost pipe in place from underneath.



11. Now working from above again, you can remove the pipe from the top. Take care not to catch any wires or clips as you remove the pipe as it requires rotating to remove it from the car.



12. Install the supplied O-rings onto the CNC turbo insert, as shown. Make sure you lubricate the O-rings and then insert it into the turbo housing. Secure it in place by reusing the 10mm nut from underneath removed in Step 10.



13. Now install the silicone hose onto the CNC insert with the medium sized jubilee clip, but do not fully tighten it at this stage to allow movement.



14. Install the breather pipe removed in Step 8 onto the CNC fitting take off using the supplied M4 hardware to secure. Then install into the silicone hose using the smallest jubilee clip supplied and fully tighten.



15. Finally, reinstall the induction pipe back onto the car with the remaining jubilee clip and once happy with the positioning of everything, ensure all clips and fittings are fully tightened before refitting the items removed in Steps 1 to 12 in reverse order.

