

BMW B58 Big Boost Pipe Fitting Instructions

Tools Required:

- Socket set including Torx bits
- Flat-bladed screwdriver or jubilee flexi-driver

Kit Contents:

- 2x AIRTEC Motorsport Enlarged Boost Pipes
- 1x Pro Hoses Silicone Reducer
- 1x 90mm Jubilee Clip
- 1x 80mm Jubilee Clip
- 2x Cable Ties
- 1x 1/8 NPT Bung
- 1x M6x16mm Button Head Bolt
- 3x M6x25mm Socket Head Bolts
- 4x M6 Pan Washers

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

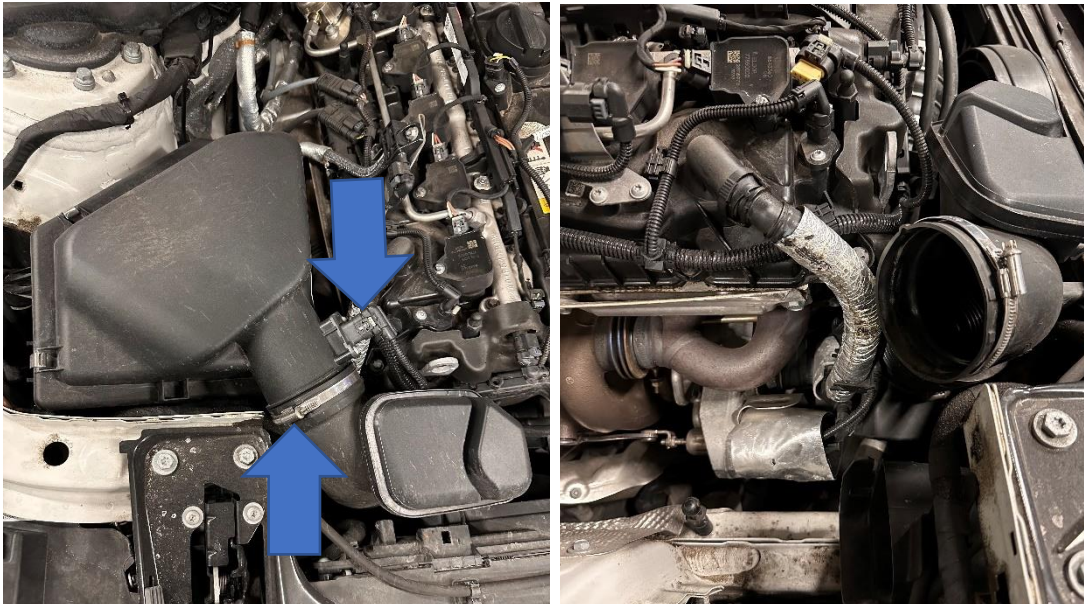


Instructions

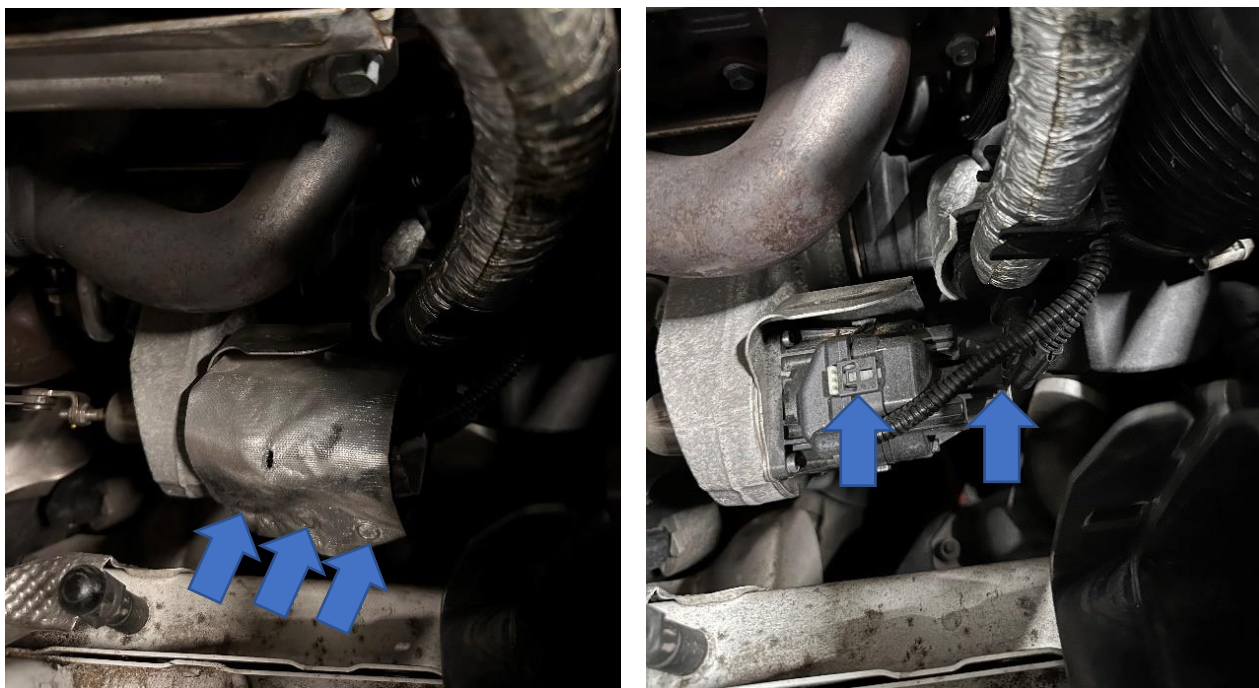
1. Open the bonnet and remove the engine cover by pulling up on the lower left corner.



2. Unplug the MAF sensor and undo the jubilee clip. The air box can then be removed by firmly but carefully pulling it up at the corners to release it from its rubber mounts.



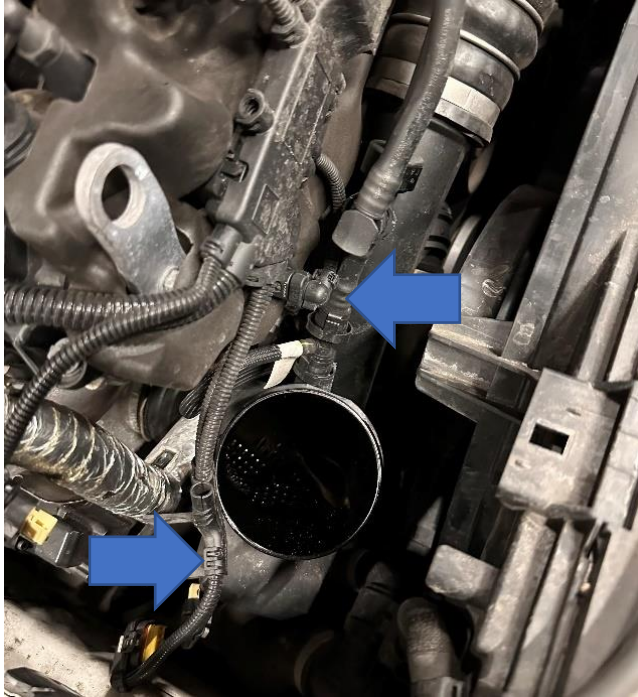
3. Remove the heat shield around the actuator by unclipping the three fixings shown. Then you can unplug the actuator and sensor in the bottom of the PCV pipe, as shown.



4. Undo the jubilee clip holding the intake hose onto the original turbo inlet and remove the pipe from the car.



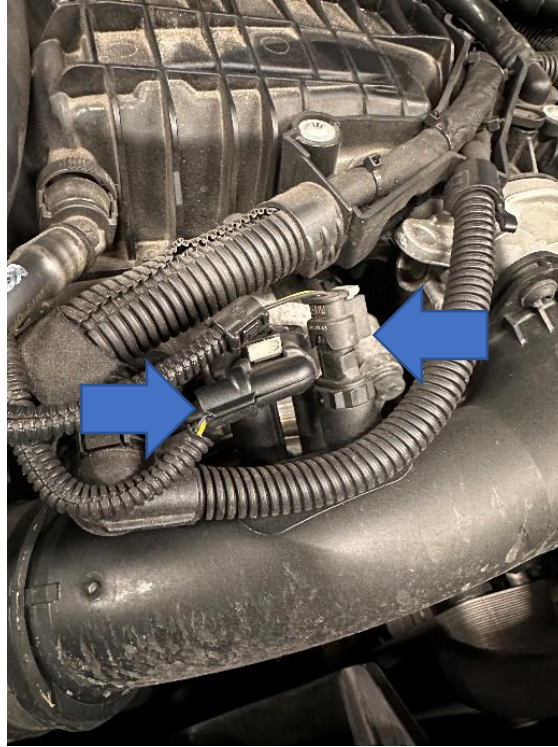
5. Squeeze the connector to release and then remove from the turbo inlet pipe also remove the wiring harness from the PCV pipe by pulling it.



6. You will need to remove the spring clip highlighted. Use a flat-bladed screwdriver or similar to lift up the centre of the clip and then pull it upwards to release it. Once it is removed you can then pull the turbo elbow off.



7. Unclip the MAP sensor and temperature sensor from the pipe.



8. Undo the three T27 Torx bolts holding the boost pipe to the throttle body.



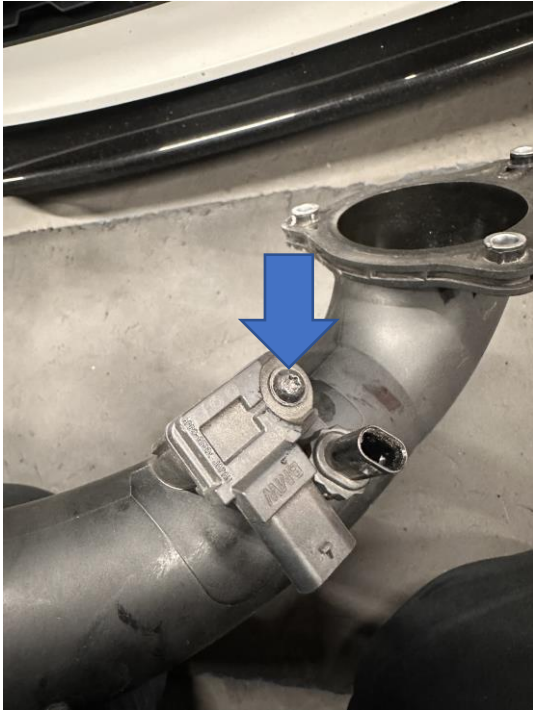
9. Unclip the water hose from the boost pipe by pulling this clip out in the direction shown.



10. You can now remove the spring clip holding the pipe to the turbo. You will need to lift both edges so the clip sits in the groove, as shown. Then lift the centre of the clip to pull it away from the turbo and remove the pipe from the car.



11. Remove the MAP sensor boss by undoing the T15 bolt and reinstall it onto your new AIRTEC Motorsport pipe using the supplied M6x16mm bolt with washer. Also remove the temperature sensor by rotating it anti-clockwise and then insert into your new pipe and tighten by hand.



12. Remove the O-ring and clip from inside the original pipe and install onto your new pipe. You will need a flat-bladed screw driver to lift the black plastic part of the clip away from the original pipe but this part is not used on the new one.



13. Install the lower part of the boost pipe onto the car using the original clip to secure it onto the turbo and then install the silicone hose as shown and tighten the supplied jubilee clip.

Please note: The clearance is extremely close and we would recommend that you mildly trim the highlighted part of the fan. We also recommend using the supplied cable ties to create a loop to secure the coolant pipe that runs close by to the new boost pipe. Failure to do so may cause the coolant pipe to touch on the crankshaft pulley and cause a leak. Make sure you trim the tails down afterwards.



14. Place the second supplied jubilee clip onto the silicone hose and then install the upper part of the boost pipe and using the supplied M6 bolts and washers, tighten onto the throttle body. The weld around the flange can mean that the washer will start to deform as you tighten the top left bolt however this is perfectly fine.



15. Finally, reconnect the MAP and temperature sensors, tighten the jubilee clips on the silicone hoses and fit the meth bung and tighten. The original parts can then be reinstalled in the reverse order of removal.

