

# Audi RS3 8V Enlarged Cold Side Boost Pipe Fitting Instructions

## Tools Required:

- Ratchet and Socket Set
- Torx Sockets
- Allen Keys
- Hose Clamp Pliers
- Rubber Mallet
- Jubilee Flexi-Driver or Flat-Blade Screwdriver

## Kit Contents:

- 1x AIRTEC Motorsport Enlarged Throttle Body Elbow
- 1x AIRTEC Motorsport Throttle Body Spacer
- 1x AIRTEC Motorsport Hard Pipe
- 2x Pro Hoses Silicone Hoses
- 2x M6x100mm Button Head bolts
- 2x M6x75mm Button Head bolts
- 3x M6x25mm Button Head bolts
- 3x M6x20mm Socket Head bolts
- 2x M6x16mm Socket Head bolts
- 12x M6 Pan Washers
- 1/8<sup>th</sup> NPT Bung
- 1x O-ring
- 3x 100mm Jubilee Clips
- 1x 90mm Jubilee Clip

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



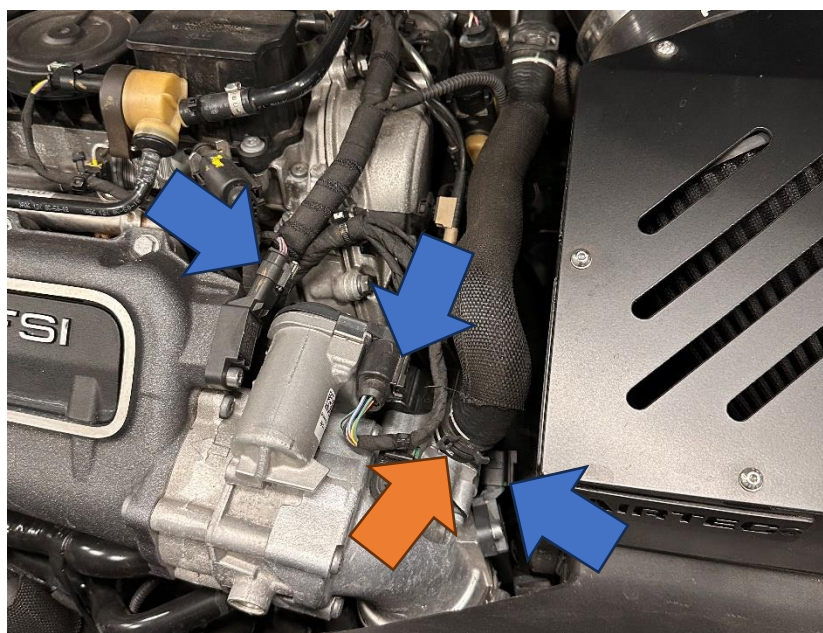
**AIRTEC**   
M O T O R S P O R T

# Instructions

1. Open the bonnet and remove the engine cover by pulling it upwards from the lower right-hand corner.



2. Unplug the wiring connectors going to the throttle body, recirc valve and both MAP sensors (blue arrows). You will need to remove the recirc hose (orange arrow) using hose clamp pliers to gain access to the lower MAP sensor plug. Once disconnected, move the wiring loom out of the way.





3. Release the front air feed by undoing the two T25 bolts holding it in place and then safely remove from the car.



4. Undo the 10mm bolt holding the bracket highlighted onto the inlet.

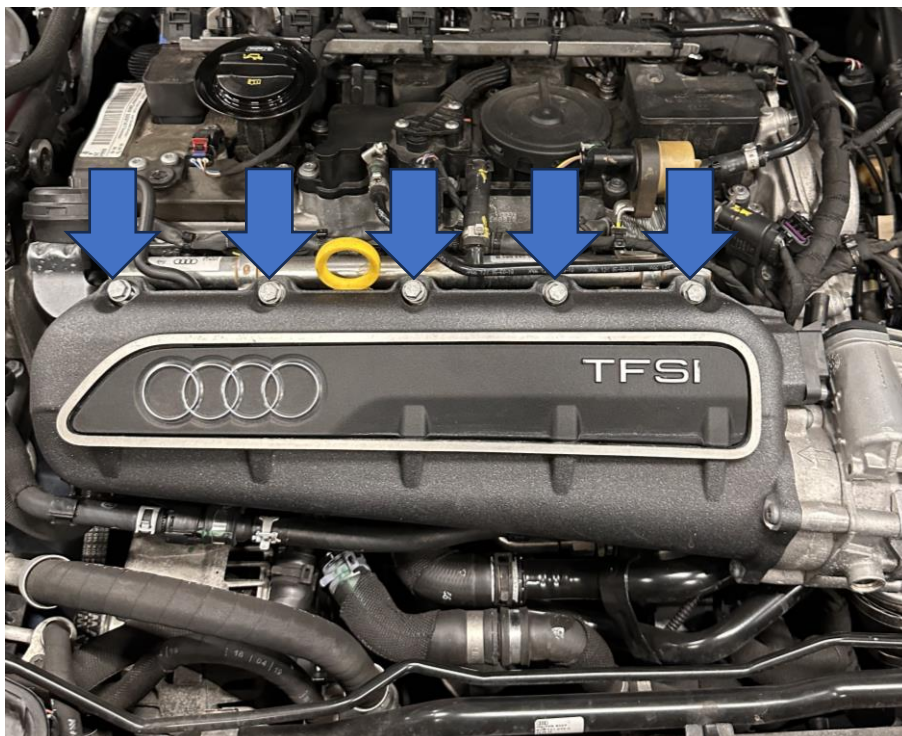




5. Loosen the jubilee clip on the throttle body and remove the hose.



6. Undo the five 10mm bolts holding the upper and lower inlet plenum together. Using a rubber hammer, gently tap around the plenum to loosen the seal and **but do not remove it yet.**



7. Begin to lift the plenum up so you can see the valve attached underneath. This needs gently pushing towards the engine to release it from its bracket. Once released, the inlet plenum can be completely removed from the car.

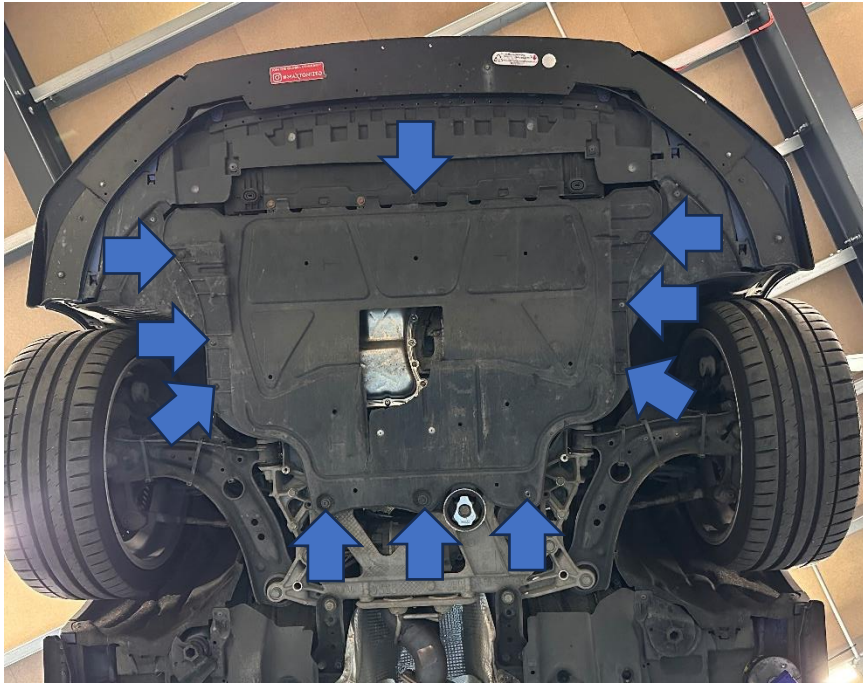


8. At this point we would recommend carefully covering the inlet manifold ports to avoid anything accidentally falling in, which could cause damage.





9. Working under the car now, release the undertray by removing the three T40 bolts and seven T25 bolts.



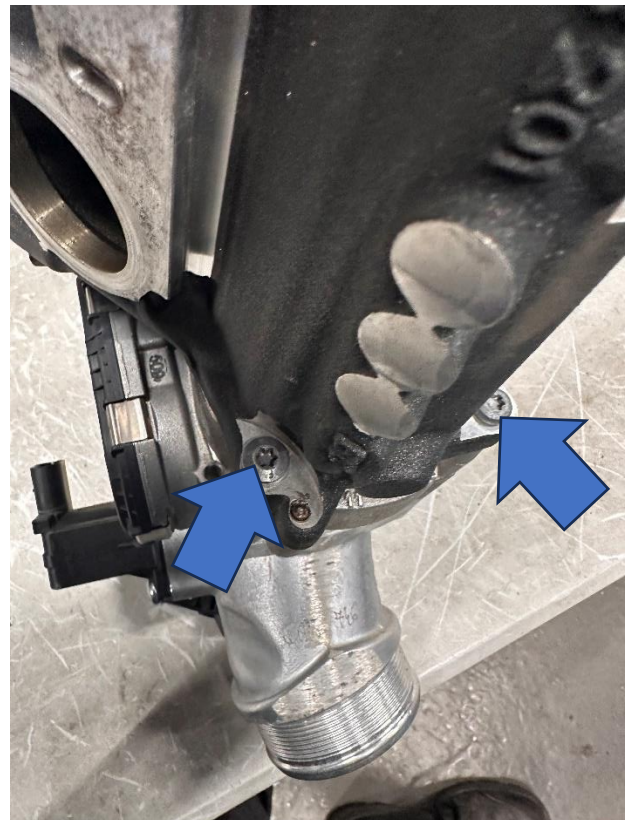
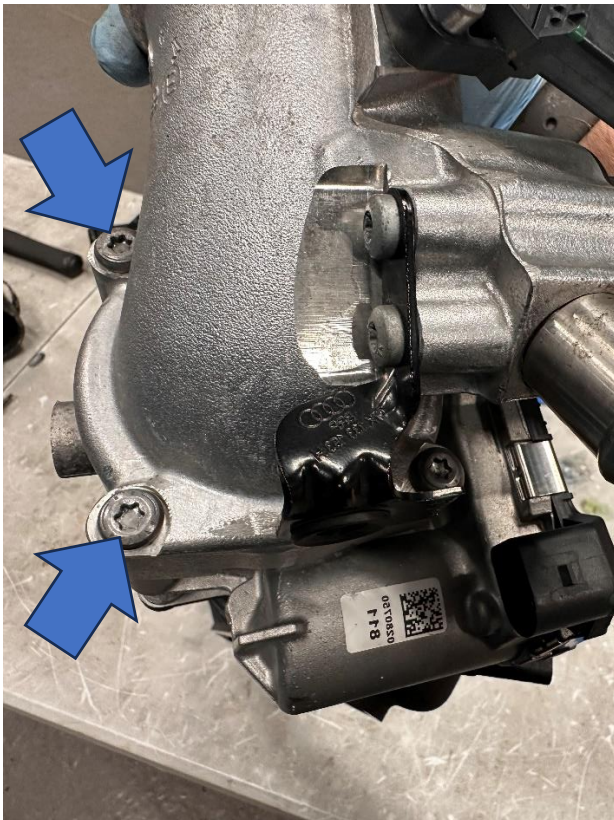
10. Locate the front lower boost hose shown and remove it by undoing the two jubilee clips.



11. Remove the next section of the boost pipe that goes up the throttle body by undoing the 10mm nut holding it to the gearbox.

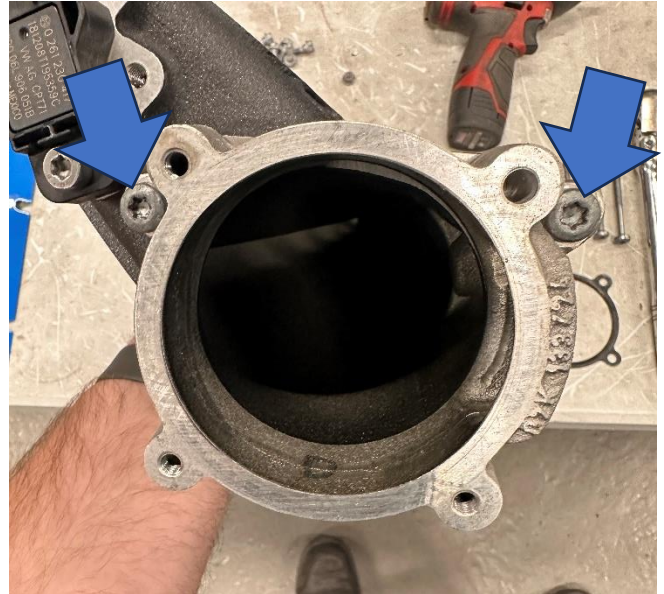
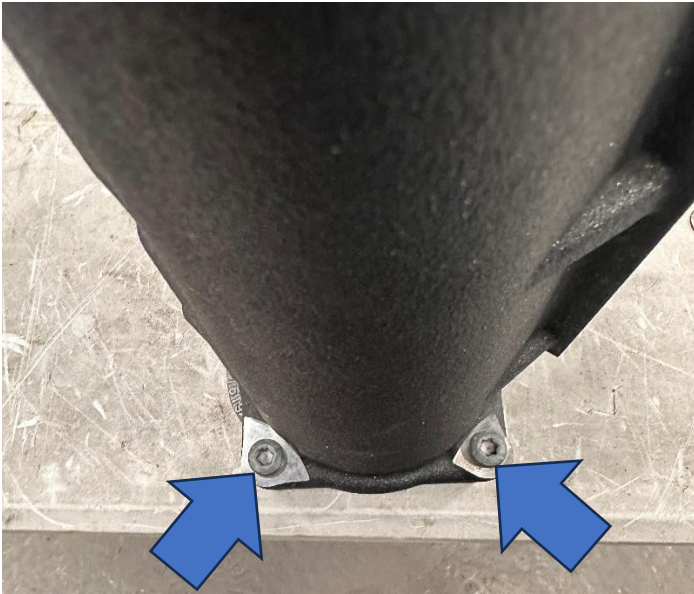


12. Working on the inlet plenum in a suitable environment, remove the original cast elbow along with the throttle body by undoing the four T27 bolts shown.





13. Now remove the original throttle body spacer by undoing the four T27 bolts, but make sure to keep hold of the gaskets from both sides as these will be re-used.



14. Install the supplied O-ring onto the new AIRTEC Motorsport cast elbow.





15. Remove the MAP sensor and recirc valve from the original elbow and install them onto your new AIRTEC Motorsport elbow using the supplied M6x20mm Socket Head bolts for the recirc valve and M6x16mm Socket Head bolts with washers for the MAP sensor.

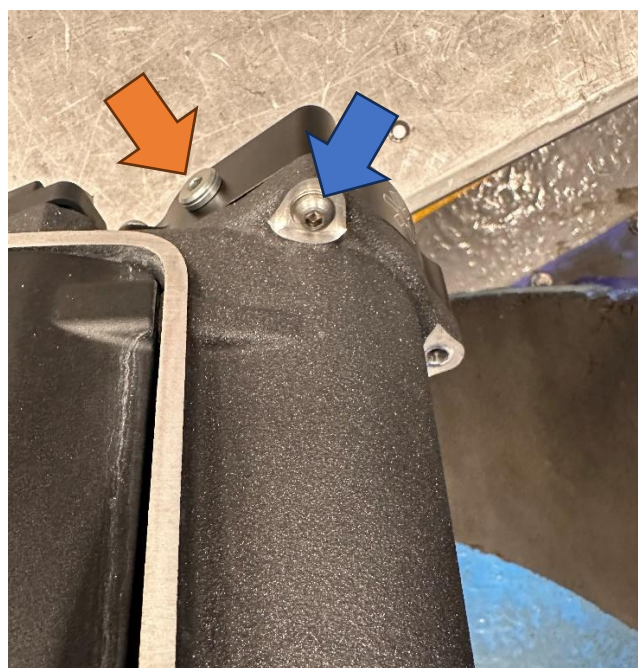


16. Also remove rubber bung from the top of the original elbow and install it onto your new elbow.





17. Install the new spacer onto the plenum reusing the original gasket removed in Step 13 with three of the supplied M6x25mm Button Head bolts with washers. Two go into the front and one into the rear, as shown. Also screw the NPT bung in place (orange arrow).

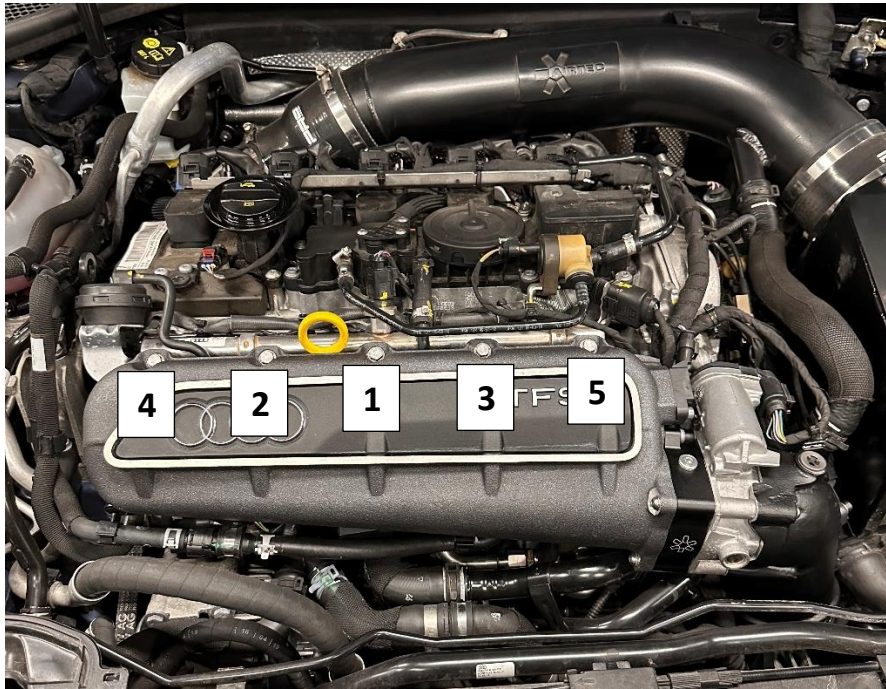


18. Line the throttle body up to the spacer with the original gasket removed in Step 13 between them and then bolt the new elbow in place with the two supplied M6x75mm bolts with washers on the elbow side. From the other side of the spacer, fit the two M6x100mm bolts with washers, as shown.

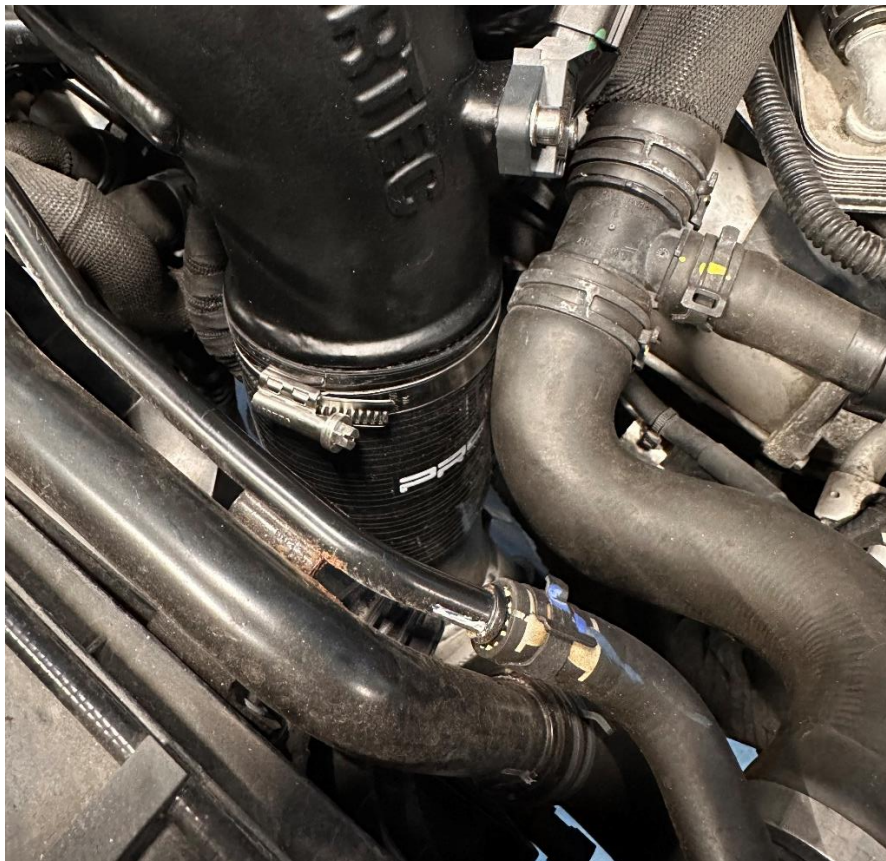




19. You can now install the plenum back onto the car in reverse of removal. **Be sure to tighten the five bolts in the sequence shown, starting with number one, but do not fully tighten at the first stage.** Once they are all partly tightened, go back to number one and repeat the process to fully tighten. The wiring plugs and hose removed in Step 2 can then be reinstalled.



20. Install the supplied silicone reducer hose with jubilee clips but do not fully tighten to allow adjustment.





21. Install the supplied hard pipe to the silicone reducer and then the remaining silicone boost pipe to the intercooler with the supplied jubilee clips. All three parts may need rotation to fit so once happy with the fitment, fully tighten all jubilee clips. **Please note:** Although it is a tight fit and there maybe contact with the wiring loom, both move with the engine and will not cause any issues.



22. Finally, reinstall the undertray, air feed and engine cover in reverse of removal.

