



## AUDI S4 B9 3.0T INTERCOOLER 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:

- T20, T25, T30 Torx driver.
  - 1/4" Drive ratchet and long extension bar.
  - 13mm sockets and suitable ratchet.
  - 7mm Hose clamp driver.
  - Panel clip tool.
  - 5mm Allen key driver.
  - Safety eyewear, footwear, gloves and protective clothing are also recommended.
1. Raise the vehicle on a ramp or suitable axle stands, to allow access to the underside of the front of the car.
  2. Open and secure the bonnet.

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- Using a flat blade screw driver or panel-clip tool push in the button on the back of the bonnet secondary release handle and carefully pull it upwards to remove it.



- Starting on the front edge carefully pull the plastic cover upwards to release it, then slide the panel forwards to remove it.



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5. To remove the under tray from the vehicle, work around the perimeter undoing the following fixings:

- 4x T30 Screws
- 8x T25 ¼ Turn screws
- 1x Flat blade screw
- 2x 13mm Bolts
- 2x Plastic clips (located inside each wheel arch)



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- Using a T25 Torx driver remove 3x screws inside the edge of the arch liner and 2x T25 behind the wheel on both sides of the vehicle.



- Using a T30 Torx driver undo 5x screws.



- Using a T25 Torx Driver undo 1x screw on both sides of the vehicle.

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9. Carefully pull the arch liner to one side. Using a panel-clip removal tool or flat blade screwdriver remove the vertical plastic clip, if necessary lubricate the plastic clip with silicone spray or similar.



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10. From underneath the vehicle reach inside the bumper and disconnect the wiring to both fog lights (if fitted to the vehicle).



11. Using a T30 Torx driver undo the x4 screws.



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12. Disconnect the wiring to the bumper-mounted sensor and unclip the sensor-mounting bracket.



1. Using a T30 Torx, extension short bar and suitable small ratchet (ideally ¼" drive) undo 1x bolt located underneath headlight on the inside of the wing on both sides. This is very awkward, as you cannot see the bolt you are trying to undo.



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13. The next part requires two people. Carefully pull the bumper away from its mounts starting at each wheel arch. If one person supports the weight of the bumper the other can reach inside and disconnect the large electrical connector on the left-hand side of the vehicle.



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- Using a 7mm hose clamp driver undo the hose clamp on the intercooler hoses and disconnect them from the intercooler.



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15. Unclip the intercooler top mounts on both sides, pull airguide to oneside, and lift the intercooler off its lower mounts.



16. With the OEM intercooler removed, unclip and remove the air guides from either side of the radiator.
17. Carefully lift your Forge intercooler into position and ensure that both lower mounts correctly align with the mounts on the radiator. Use a piece of soft packing material to prevent the intercooler from touching the A/C radiator or plastic surround at the top. Fit the OEM boost pipework to the intercooler. Do not fully tighten the hose clamp until all parts have been installed.

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18. Using the silicone elbow, aluminium coupler and hose clamps provided connect the turbo outlet hose to the intercooler. Do not fully tighten the hose clamps until all parts have been installed.



19. Moving to the top of the intercooler. Using the 2x brackets and fixings provided (4x M6 Allen cap bolts, 4x 6mm washer, 2x T25 Torx screws) secure the top mounts of the intercooler to the radiator.

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20. Ensure the all hose clamps have been checked and fully tightened before reassembling your vehicle.
21. **Note:** Use the cable ties provided to secure the bumper mounted sensor wiring connector to the rest of the wiring.



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22. Your installation is now complete.

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