



Installation Instruction

Performance Intercooler



Audi RS6 RS7 C8

4.0 V8 TFSI

PART NUMBER: ICM – 500

Description

This instruction shows how to replace the OE intercooler with do88 performance intercooler.

At this type of installation we always recommend that you have mechanical experience and knowledge about safety during work on vehicles.

This installation instruction is performed on an Audi RS6 and the procedure for removal of panels and covers will differ a bit if the install is carried out on any other model this product fit.

Parts List



1. do88 Performance Intercooler (Left)
2. do88 Performance Intercooler (Right)
3. Carbon fiber air ducting (Left)
4. Carbon fiber air ducting (Right)
5. Silicone hose lower (Left)
6. Silicone hose upper (Left)
7. Silicone hose lower (Right)
8. Silicone hose upper (Right)
9. Intercooler bracket (Left)
10. Intercooler bracket (Right)
11. Parking heater exhaust pipe bracket (2pcs)
12. M5x8 Allen screw (8pcs)
13. M5x16 Allen screw (2pcs)
14. M6x16 Allen screw (4pcs)
15. M6x30 Allen screw (2pcs)
16. M6 Nut (2pcs)
17. M6 Washer
18. Sealing strip 5x10mm (145cm)
19. Hose clamp 50-70mm (2pcs)
20. Hose clamp 60-80 (2pcs)



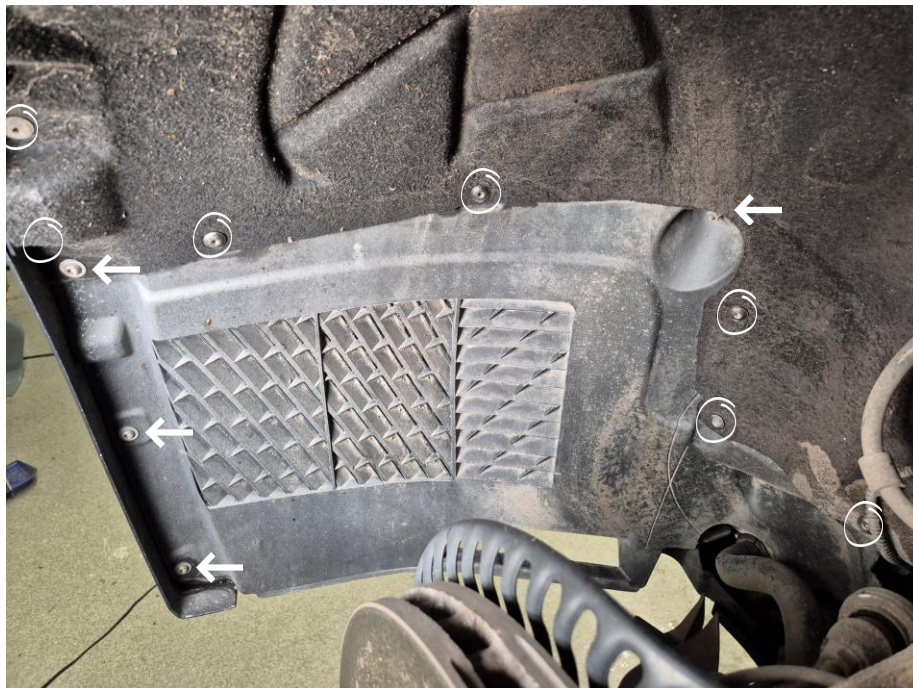
Step 1

Remove the front wheels on both sides of the vehicle.



Step 2

Remove 16x Torx T20 screws (marked with arrows in the photo) and 4x Torx T30 screws (marked with circles in the photo).



Step 3

In each wheel arch, remove 7x Torx T20 screws (marked with circles in the photo), 3x Torx T30 screws (marked with arrows), and 1 plastic 10 mm hex nut (also marked with an arrow). Repeat on both sides.



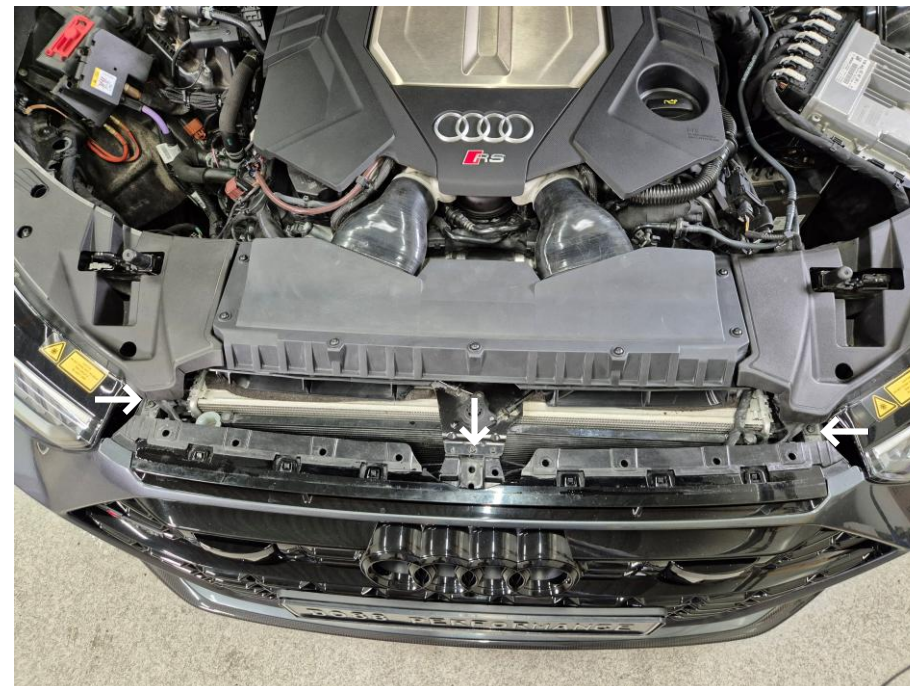
Step 4

In the right wheel arch, disconnect 1x cable connector. In the left wheel arch, disconnect 2x cable connectors. These connectors are attached to the front bumper electronics.



Step 5

Remove the front bumper cover, the 9x plastic clips, and the hood release handle (press the plastic tab inward and pull it straight up).



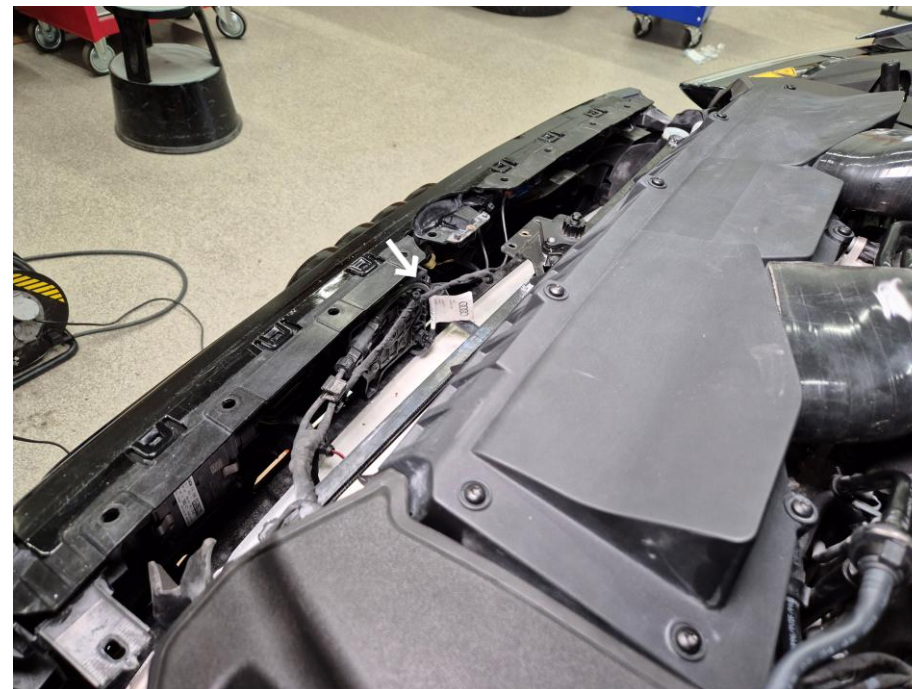
Step 6

Remove 2x Torx T25 screws and 1x Torx T30 screw from the top edge of the front bumper.



Step 7

Gently pull the top corners of the bumper away from the fenders at the wheel arches.



Step 8

Carefully pull the entire bumper forward a few centimeters, then disconnect all cable connectors and the hose before fully removing the bumper from the vehicle.



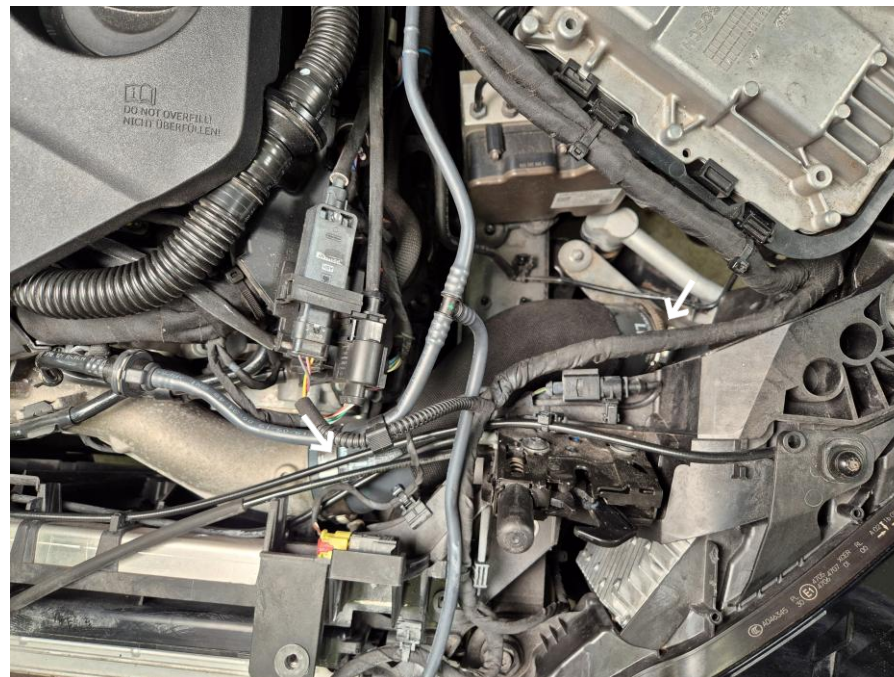
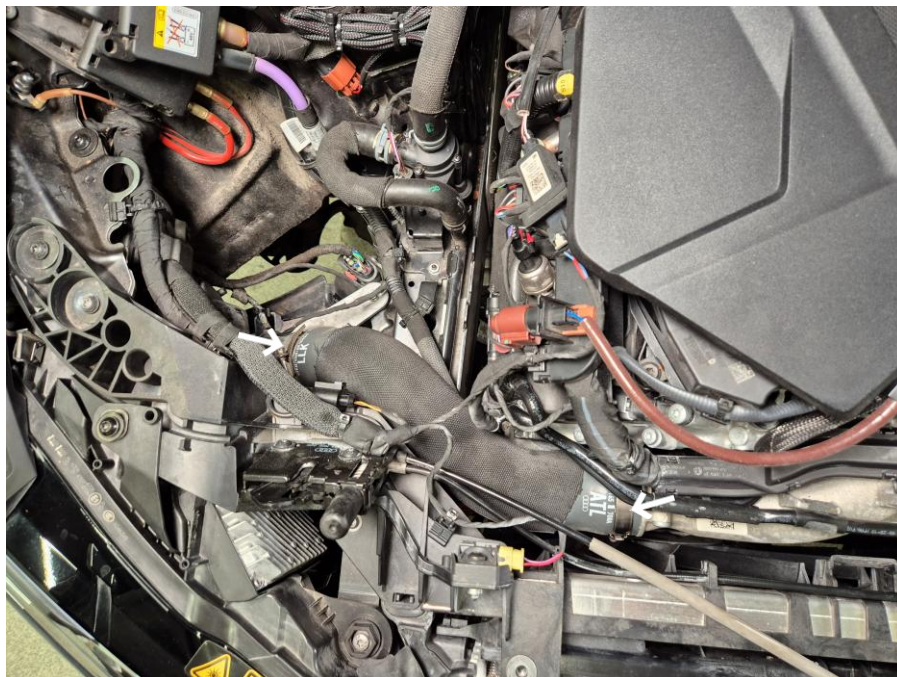
Step 9

Remove the plastic covers on top of each headlight. Each cover is secured by two plastic tabs pushed into metal clips underneath, and two plastic hooks located at the outer edges near the air filter box.



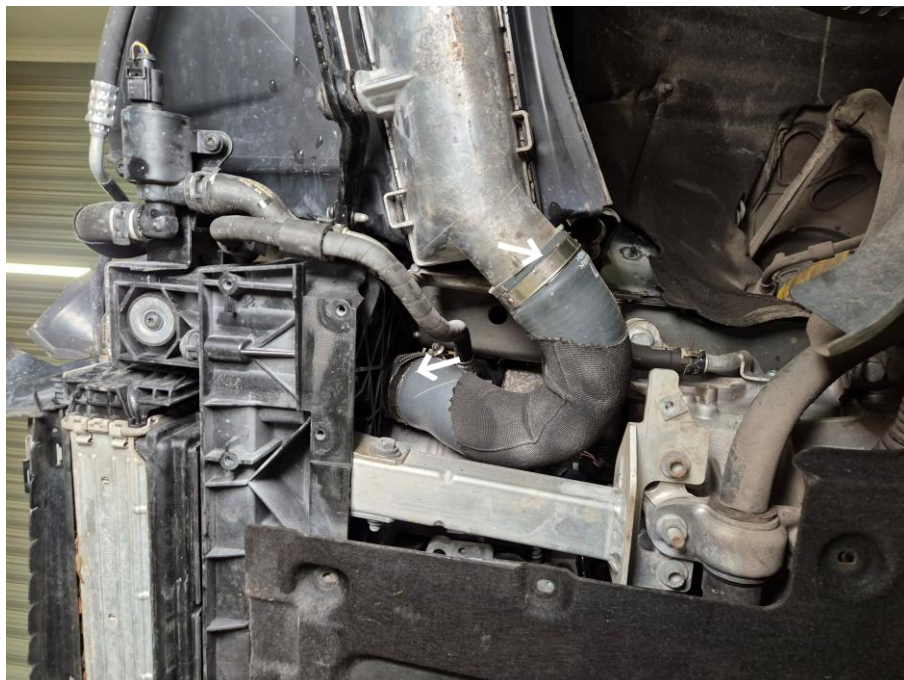
Step 10

Remove the air filter box by undoing 2x Torx T30 screws and loosening 2x hose clamps.



Step 11

Remove the upper intercooler hoses on both sides by loosening the 2x hose clamps.



Step 12

Remove the lower intercooler hoses on both sides by loosening the 2x hose clamps.



Step 13

Remove the lower intercooler brackets on both sides by undoing 2x Torx T30 screws and 1x 13 mm hex screw.



Step 14

Detach the wiring harness clips from the top of each intercooler tank on both sides. Then remove the front intercooler air ducts by releasing the plastic tabs (marked with arrow in the photo) and pulling them off.



Step 15

If your vehicle is equipped with a parking heater, remove the exhaust pipe located behind the right-side intercooler. Undo 2× 4 mm Allen screws and 1× Torx T30 screw. You can separate the pipe on either side of the flex section.



Step 16

Now remove both intercoolers from the vehicle by lifting them straight up and then out of the car. Each intercooler is mounted on three pins seated in rubber grommets on the chassis side.



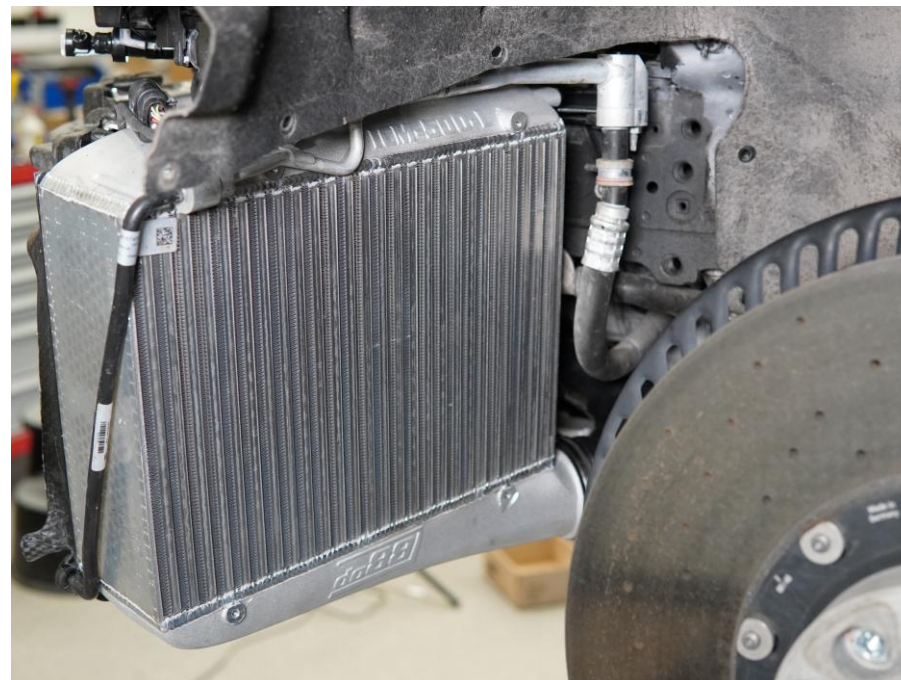
Step 17

Secure the supplied intercooler brackets using the included M6x16 Allen screws. Note: the photo illustrates the installation on the right-side intercooler.



Step 18

Cut the included 5×10 mm sealing strip into four pieces, each approximately 36 cm long. Attach them along the weld line on the front side of both intercoolers, as shown in the photo.



Step 19

Install the intercoolers into the car. Lubricating the three rubber grommets beforehand will ease the installation. Approach from the front at an angle to fit the intercoolers without removing the headlights."



Step 20

Install both carbon fiber air guides by gently sliding them in from the side. Fasten them with the included M5x8 mm Allen screws, but do not fully tighten them yet.



Step 21

Reinstall both lower intercooler brackets. While tightening the 13 mm hex screw, gently lift the intercooler slightly upward to ensure proper alignment / clearance.



Step 22

On the left side, place the included M6 washer behind the P-clamp as shown in the photo. This provides slightly more clearance between the intercooler core and the AC pipe.



Step 23

Check the clearance around the carbon fiber air ducts, then tighten the screws.



Step 24

Install the included silicone hoses. In the reference photo, they are labeled with the following numbers:

1. Left side – lower hose
2. Left side – upper hose
3. * Right side – lower hose
4. Right side – upper hose

* Note: When installing the right-side lower hose, you may need to rotate the spring clamp on the small coolant pipe connection to create enough clearance for the silicone hose.



Step 25

If your vehicle is equipped with a parking heater, install the supplied brackets using the included M5x12 mm Allen screws. Ensure the small hole faces the intercooler. The brackets is shown with arrows in the photo.

Note: The upper rubber grommet and sleeve must be rotated to the opposite orientation for proper fitment. Secure the parking heater exhaust pipe using the included M6x30 mm Allen screws and M6 nuts. Re-tighten the Torx T30 screw at the flex section.

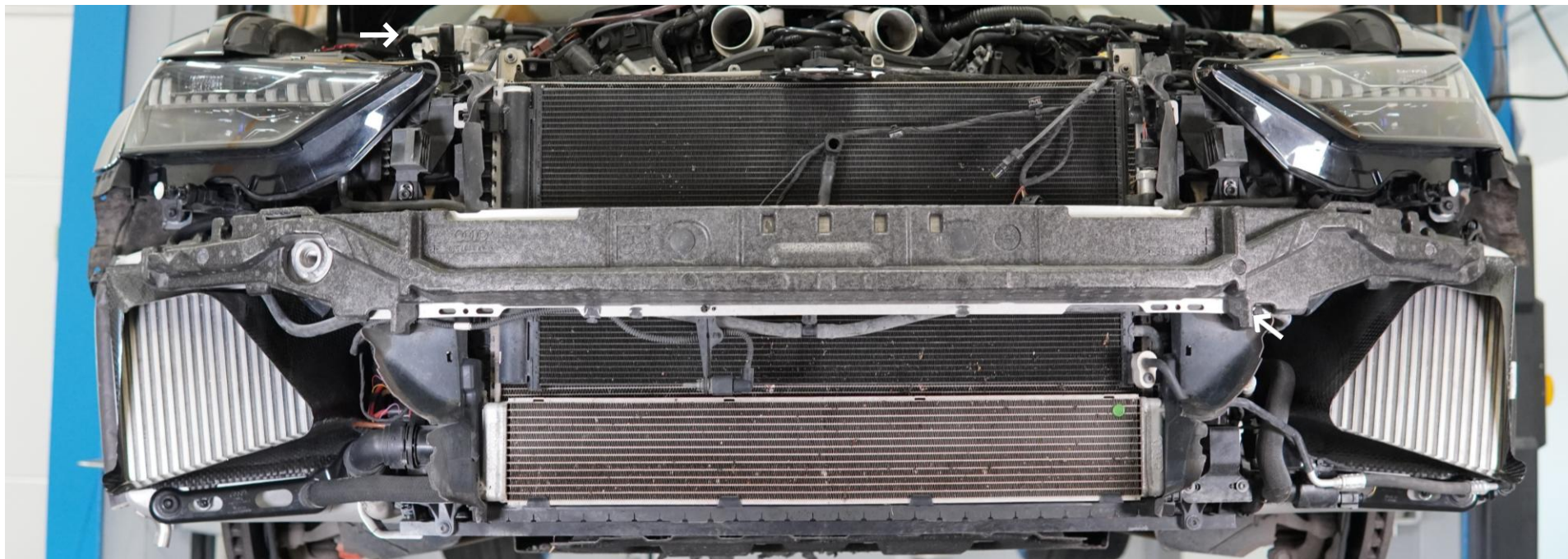


Step 26 (Optional)

Since the surface area of the do88 intercooler is larger than the OE unit, we recommend enlarging the air vent outlets in the wheel arch liners.

Cut 10 slits aligned with the angled vents, approximately 65 mm deep, and 3 slits parallel to the horizontal vents, as shown in the photo.

When cutting the slits, we recommend using an air body saw or a similar tool. Gently heat the plastic with a hot air gun, then bend it to form vents angled in the same direction as the OE air vents. Wear gloves to avoid burns.



Step 27

Reinstall all remaining components in the reverse order of removal.



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If you have any questions or concerns about this product please do not
hesitate to contact us: do88.se/contact