



Installation Instruction

Performance Intake system



Audi RS3 8V 2017-2022

NOTES!

Installation instruction is made on RS3 8V MY -17. Smaller variations may occur on different model years and On cars with different emission standards.

Closed / Open system

This installation instruction shows both how to install our full closed carbon intake system and our open carbon intake system.

Turbo intake hose

If you bought do88 intake system with the high flow turbocharger inlet hose you have to install according to this Instruction and the one for do88-kit246



Description

This instruction shows how to replace the OEM Intake system with do88 performance Intake system.

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

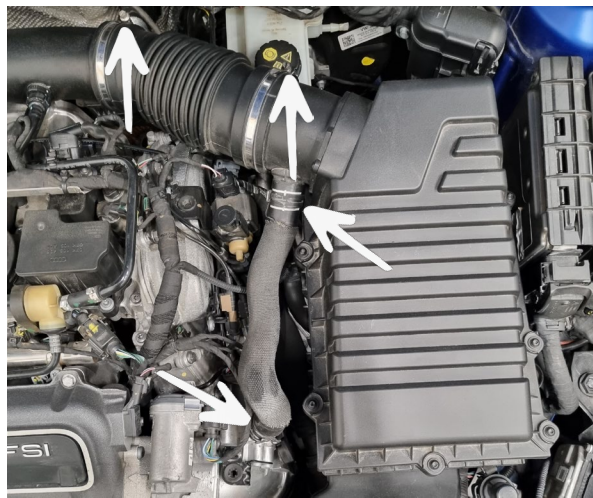
Parts List

- 3pcs do88 Performance carbon fiber intake pipes
- 1pc BMC air filter
- 2pcs do88 Performance silicone hoses
- 2pcs Rubber sealings
- 1pc LID for airfilter
- 1pc bracket for air filterbox
- 4pcs M6x16 Black Allen screws
- 2pcs Rivet nuts M5
- 2pcs M5x16 hex screws
- 2pcs M6x16 hex screws
- 1pc M6 hex nut
- 2pcs M5x12 Black Allen screws
- 3pcs 3.9x9.5 Black screws
- 5pcs hose clamps



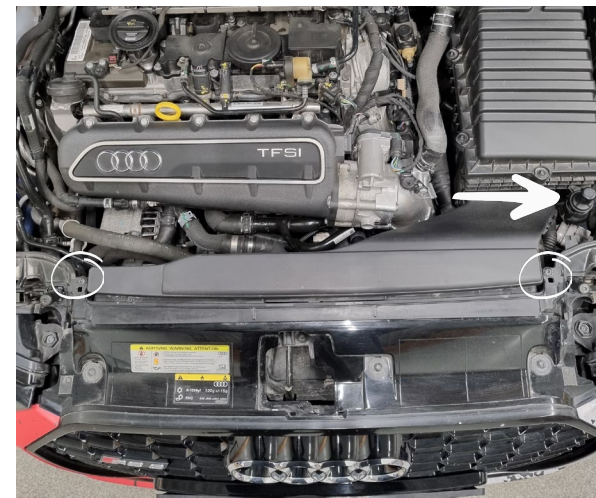
Step 1

Remove the engine cover, grab the corners of the engine cover and gently lift it upwards.



Step 2

Loosen 2x 7mm hose clamp and remove the flex hose from the car.
Use a plier to remove 2x spring clamps and remove the blow off valve return hose.



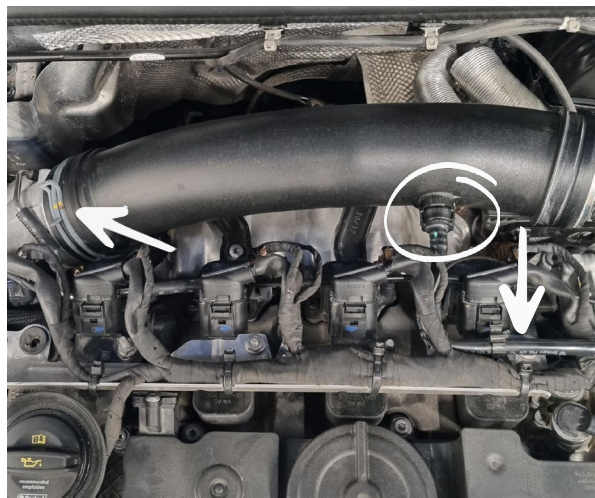
Step 3

Remove 2x Torx T25 to remove the front air guide from the car.
Remove the gear box breather located on the air filter box and remove the air filter box from the car.
With a firm grip around the air filter box and lift it upwards to separate its rubber grommets from the mounting points.



Step 4

Mount the gearbox breather previously removed from the air filter box on plastic tab underneath radiator support bar.



Step 5

Remove 1x spring clamp and disconnect 1x small plastic pipe from the inlet pipe.
Separate the small plastic pipe from its clamp.



Step 6

Remove 1x Torx T30. Remove the inlet pipe from the car.

If you purchased the open system:

Also remove 1x plastic clips that holds the cable from the bracket and re-install it into the lower hole in the bracket, to make space for the included bracket on the carbon fiber pipe.



ONLY FOR OPEN SYSTEM

Make a mark in the center of the two embossed surfaces located on the under side of the carbon fiber pipe.

Drill 2x 7.0mm holes at the marks and install the 2x included rivet nuts in the drilled holes using a rivet nut tool.

If you do not have a rivet nut tool use the supplied screw, nut and washer for this.



ONLY FOR OPEN SYSTEM

Installation of rivet nut with the included parts:

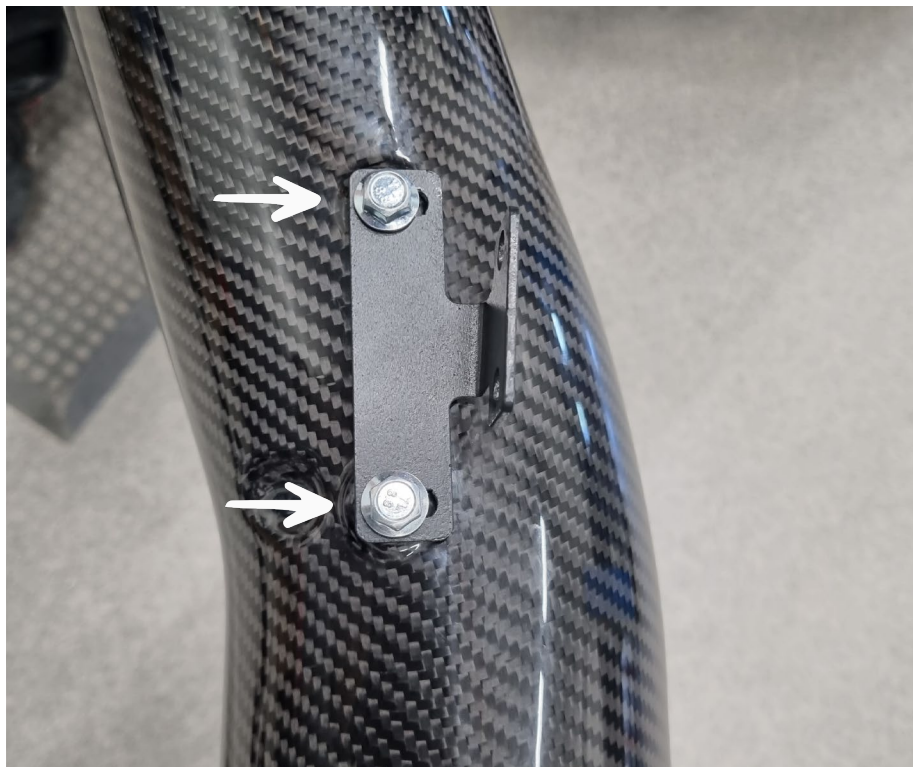
Use the included M5x20 hex screw, flange nut and flat washer. Thread the flange nut approximately 10mm on to the screw, put the washer below the nut, then loosely thread the rivet nut to the screw. Place the rivet nut in the drilled hole in the carbon fiber pipe. Tighten the M5 screw until the flange nut applies pressure upon the rivet nut.



ONLY FOR OPEN SYSTEM

Use a 8mm socket and a ratchet wrench on the M5 screw and an open end 8mm wrench on the M5 nut and tighten the nut clockwise while holding the M5 screw still.

Do this approximately ONE whole turn at the time and back the nut up just enough so you can pull the M5 Screw and feel if the rivet nut has expanded enough. Do this step until you can see and feel the rivet nut has expanded enough so that it sits tight in the pipe.



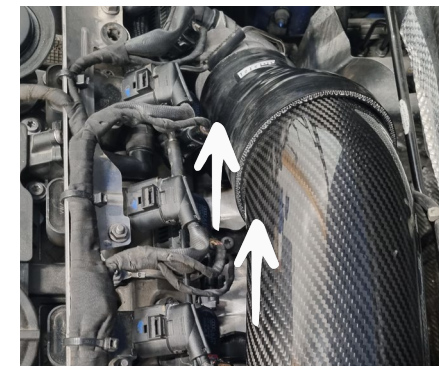
ONLY FOR OPEN SYSTEM

Install the included bracket as show on picture with the M5x12 screws, do not fully tighten the screws yet the bracket should be able to move a bit.



ONLY FOR OPEN SYSTEM

Mark up approximately 20mm from the edge of the pipe and install the filter to the mark. Install the air filter without the sealing ring shown on this picture. Do not **over** tighten to hose clamp on the carbon fiber pipe.



ONLY FOR OPEN SYSTEM

Use some lube like WD-40 and install the do88 silicone hose on the carbon fiber pipe and rotate the hose and the pipe to make sure there is clearance and no rubbing on the engine or the brake fluid container. Use the 2x M6x16 screws and 1x M6 Nut to secure the previously installet bracket to the OEM inlet pipe bracket. These are a bit tricky to reach. Once all is lined up, tighten all bolts and hose clamps. Do not **over** tighten the hose clamp on the carbon fiber pipe.

Now **just perform step 13 & 14** then the install of an open system is finished!



Step 7

Check the rotation of this metal ring towards the air filter housing by lining up the 3 holes towards the holes in the carbon fiber air filter box. Then install the included rubber sealing strip on the metal ring with the edges on the rubber sealing pointing to the bottom of the air filter box.



Step 8

Install the metal ring on the carbon fiber pipe, then mark up approximately 20mm from the edge of the pipe, install the filter so that it aligns with the mark. Do not **over** tighten the hose clamp on the carbon fiber pipe.



Step 9

Install the pipe and metal ring to the carbon fiber air filter box and secure it using the included black 3pcs 3.9x9.5 screws.



Step 10

Remove the 3x rubber bushings from the OE air filter box and install on the do88 bracket. Install the bracket on the carbon fiber air filter box with the included 4pcs M6x16.



Step 11

Loosen the spring hose clamp from the coolant pipe and rotate the clamp downwards to make sure it does not interfere with the air filter box.



Step 12

Use some lube like WD-40 and install the do88 silicone hose on turbo inlet, connect the carbon fiber pipe to the silicone hose and rotate the hose and the pipe to make sure there is clearance and no rubbing on the engine or the brake fluid container. Do not tighten the hose clams yet. Do not push the air filter box into its rubber bushings yet.



Step 13

Use a small flat head screwdriver to remove the 1x ear clamp. Remove the small plastic pipe from the car as it will not be used any more.

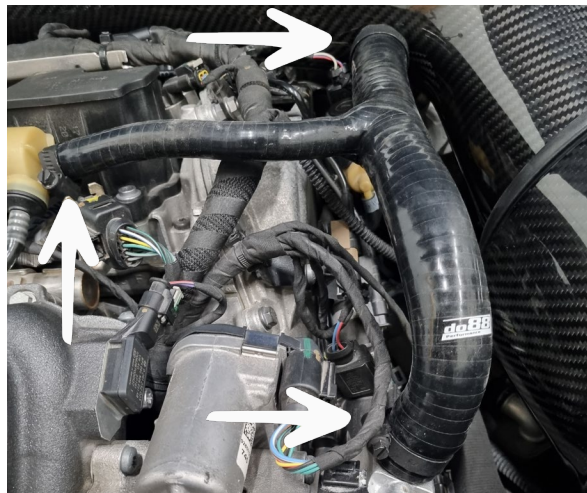


Step 14

This step is only valid for ~MY19-> cars on some markets.

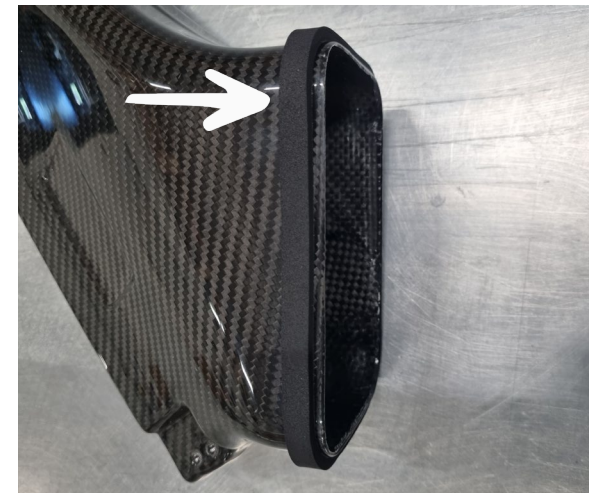
If the car have a BOV return hose of the type that is fastened to the OE throttle body elbow with 2 screws you will need to use the included adapter set (machined adapter, two o-rings, brass plug). Install the plug and o-rings in the adapter according to picture. Then fasten the adapter to the throttle body elbow using the OE screws.

In this case the car will also have a small hose connected with banjo screws to the OE cast elbow and manifold. Remove this hose and its screws, then plug the connections on the throttle body elbow and the manifold with the two included plugs and copper washers shown on picture above.



Step 15

Install the included silicone hose as shown on picture and secure it with the included clamps.



Step 16

Install the included self-adhesive rubber sealing on the front carbon fiber air duct as shown on picture.



Step 16

Install the carbon fiber air duct by sliding the opening with the self-adhesive rubber sealing into the air filter box and gently push the AC-hose towards the engine then slide the front air duct into place, secure it with the 2x included M5x12 black Allen screws. Gently apply some pressure with your hands on the bracket (not on the carbon fiber air filter housing) under the air filter box to make the rubber bushings sit into place.

When removing the intake system, always pull directly in the bracket and not in the carbon fiber air box.

Step 17

Check so that all parts are aligned and there is no rubbing, then gently tighten hose clamps at turbo inlet hose. Do not **over** tighten any clamps located on the carbon fiber.

Re-install all other parts in reverse order.



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