

Installation instruction do88 performance intercooler for Audi Seat Skoda VW 2.0T FSI



This instruction shows how to replace the OEM intercooler with our performance intercooler.

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

Parts included:

1. do88 Performance intercooler
2. Silicone hose intercooler inlet
3. Silicone hose intercooler outlet
4. Coupling adaptor
5. M10 x 120mm screws 2pcs
6. M6 x 15mm screws 9pcs
7. Hose clamps 4pcs
8. 10mm silicone cap
9. M6 washer 8pcs

Part number: ICM-180

This installation instruction are written according to our installation of this intercooler performed on a Audi S3 MY-07. Other vehicles that this intercooler also fit to might have some differences in the way of installation (VW, Seat, Skoda).

1. We recommend doing this installation on of lift, but it is possible to do on jack stands also.

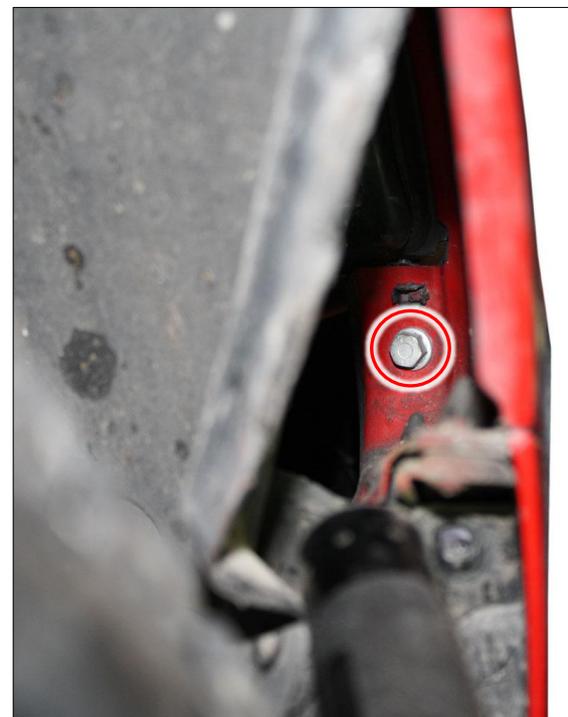
Remove the negative battery pole. Hex 10mm.



2. Remove plastic shield underneath the car. 8x Torx T25



- 3.** Remove 4x Torx T25 in each inner fender.
Remove 1x Hex 10mm behind each inner fender.



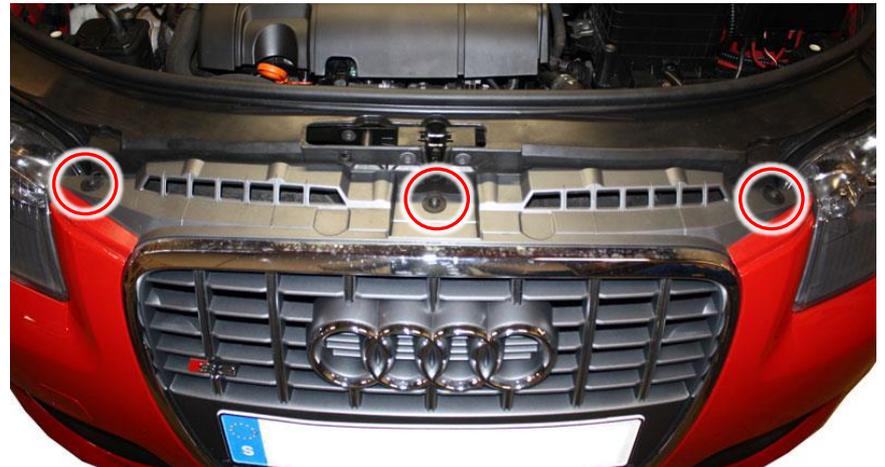
- 4.** Remove the 5x Torx T25 that run along the bottom front of the bumper.



5. Remove the fresh air snorkel. 2x Torx T25 and hose clip.



6. Remove the 3x Torx T30 on top of the bumper.



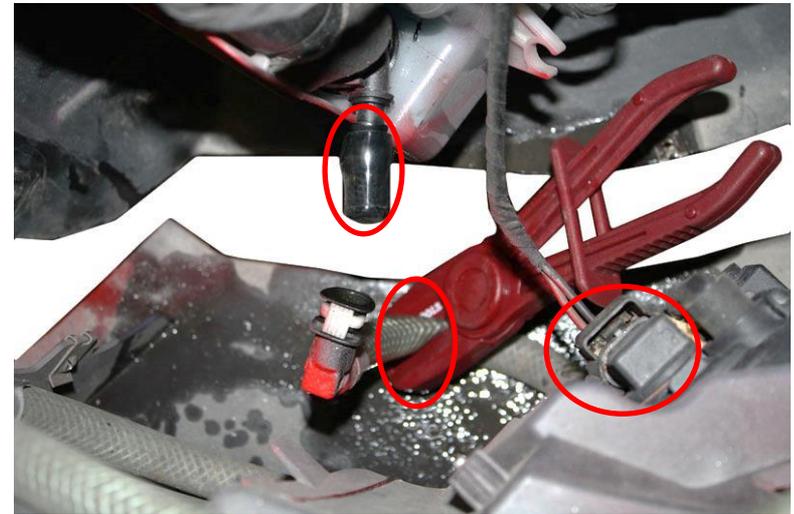
7. With help from a friend bend out the bumper on each side and pull it forward about 20cm and hold it in this position.



8. On cars equipped with headlight washers, clamp the headlight washer hose with a suitable tool as shown on the photo.

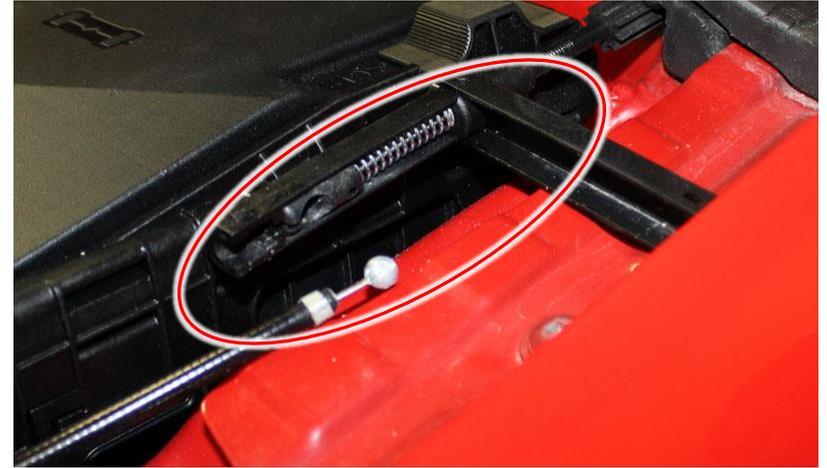
Have the included 10mm silicone cap ready in your hand to seal the pump connection then disconnect the headlight washer hose at the pump.

Disconnect the fog light electrical connector at both sides.



9.

At the drivers side next to fuse box unclip the hood release coupling. Open it with a flat screw driver and remove the hood wire from the coupling.



10.

Remove 4x Torx T30 for the radiator bulkhead (2 in each top end).



11. Remove 1x Hex 13mm nut for the air guide on the drivers side.



12. Remove 8x Hex 16mm screws for the two radiator bulkhead main brackets.

Important!

When you have removed the first screw on each side, replace it with the included M10 x 120mm screws. You don't need to tighten these screws only screw in about 10-15mm.



13.

Double check that you have remembered to disconnect the battery (Step 1 in this guide).

Now disconnect the following connectors:

- Airbag crash sensors (one on each side of the radiator)
Push the red tab towards the sensor on the connector and then pull the connector off.
- A/C pressure sensor (on the right hand side of the radiator)
- Hood latch sensor (on the left hand side of the radiator).



14.

Disconnect the fan wiring connector from below the car. Then disconnect the remaining connectors in this wiring harness such as fog light and ambient temperature sensor.

You must do this since the entire radiator bulkhead will be removed from the car. So no cables can remain attached to it.



15. Remove 2x Torx T30 for the two intercooler brackets.



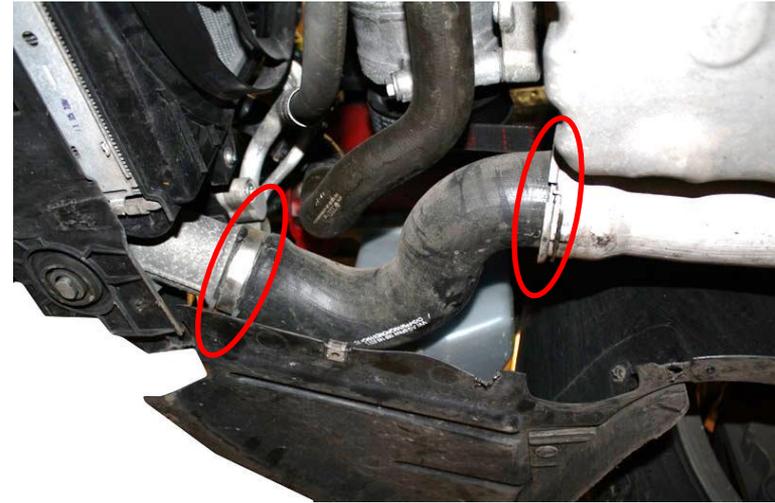
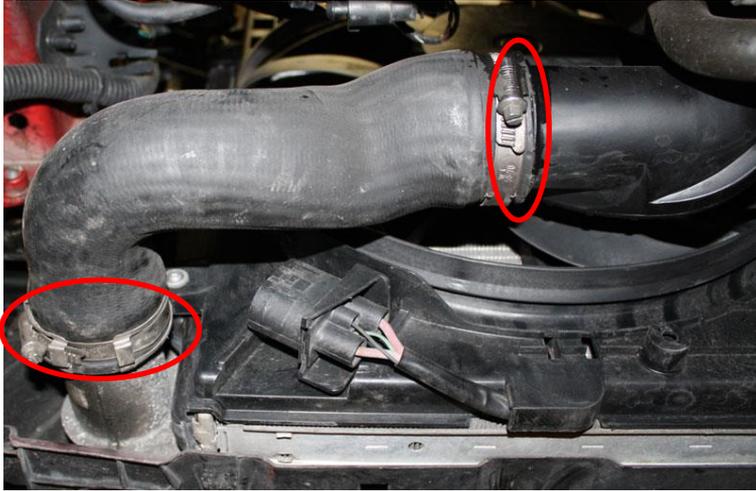
16. Gently pull the entire radiator bulkhead forward about 100mm. Let it rest in an angle like on the photo. Make sure it is not resting on the edges/corners of the front fenders!



17.

Remove the 2 intercooler hoses.

- Intercooler outlet, 2x Hex 6mm
 - Intercooler inlet, 1x Hex 6mm and locking clip.
- Pull the locking clip away from the connector.
Then pull the hose out from the pipe.



18.

Find a support in proper height that you can put underneath the radiator/intercooler/condenser assembly.

With a friend help:

1. Lift the radiator assembly out of the 2 bottom rubber supports in the radiator bulkhead frame.
2. While holding this assembly in the air, tilt the radiator bulkhead straight and push the support you have prepared underneath the radiator assembly.

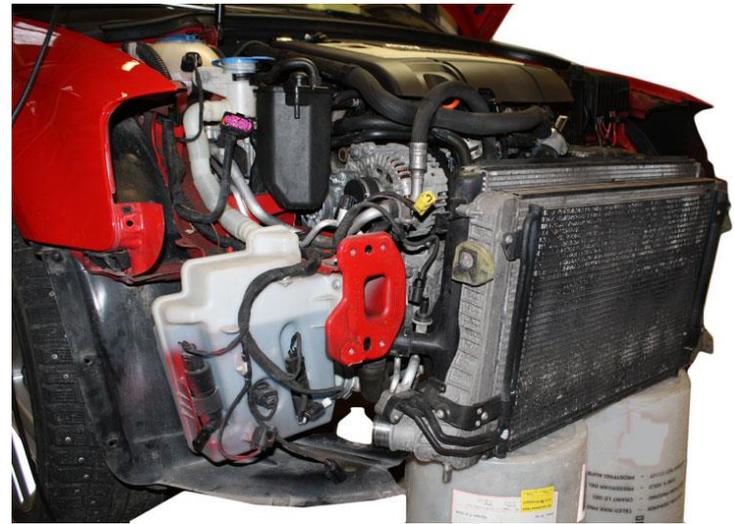
Now the radiator assembly should be resting by itself on the support you have found without any help from the radiator bulkhead frame.



19.

With a friend's help, remove the two included M10 x 120mm from both sides of the radiator bulkhead (these are the ones from step 12 in this guide).

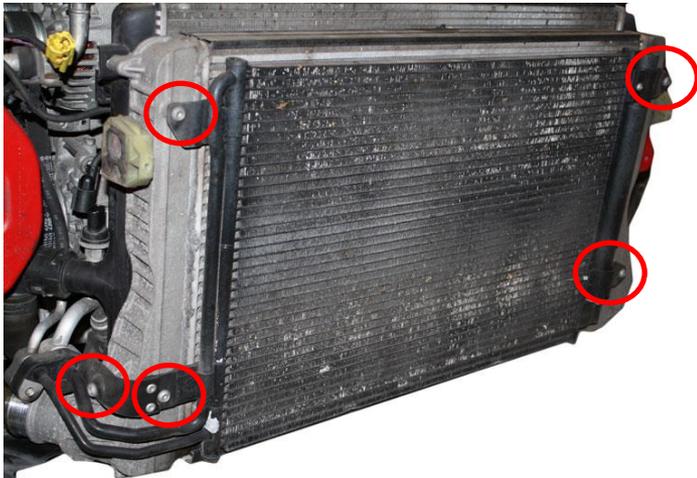
Now carefully lift the entire radiator bulkhead away from the car.



20.

With a friend's help:

- Remove 5x Torx T30 to separate the condenser from the intercooler
- Remove 4x Torx T30 to separate the radiator from the intercooler



21.

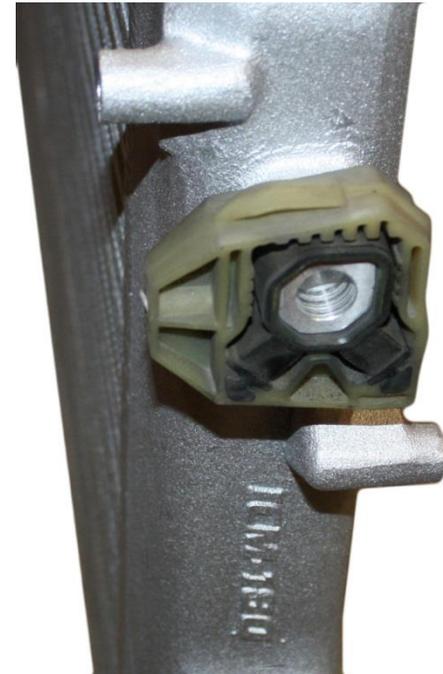
With a friend's help, carefully lift out the stock intercooler.

Make sure you don't bend or damage the A/C pipes to the condenser!



22.

Remove the stock intercooler brackets and install them in the same location on the do88 performance intercooler.



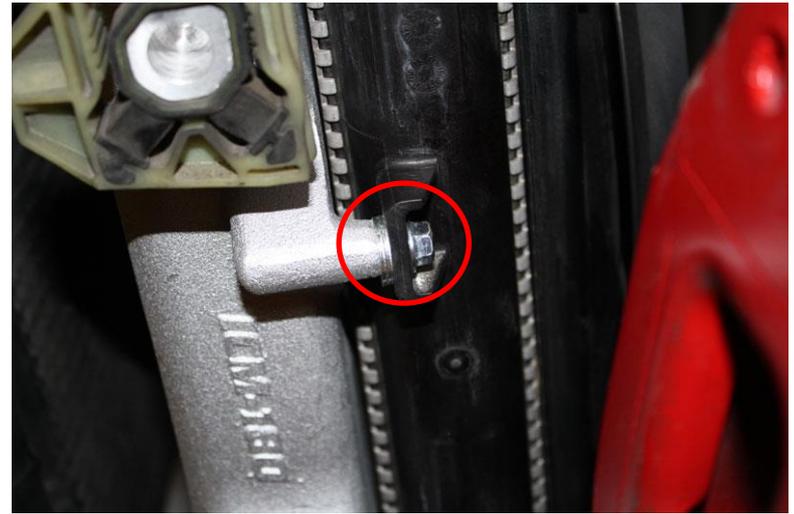
23.

Install the do88 performance intercooler between the radiator and condenser. Connect the intercooler to the radiator with four of the included M6 x 15mm screws.

Important!

When you tighten these four screws make sure the radiator does not hit the intercooler.

If it does hit the intercooler use the included M6 washers as spacers to make sure you have clearance.

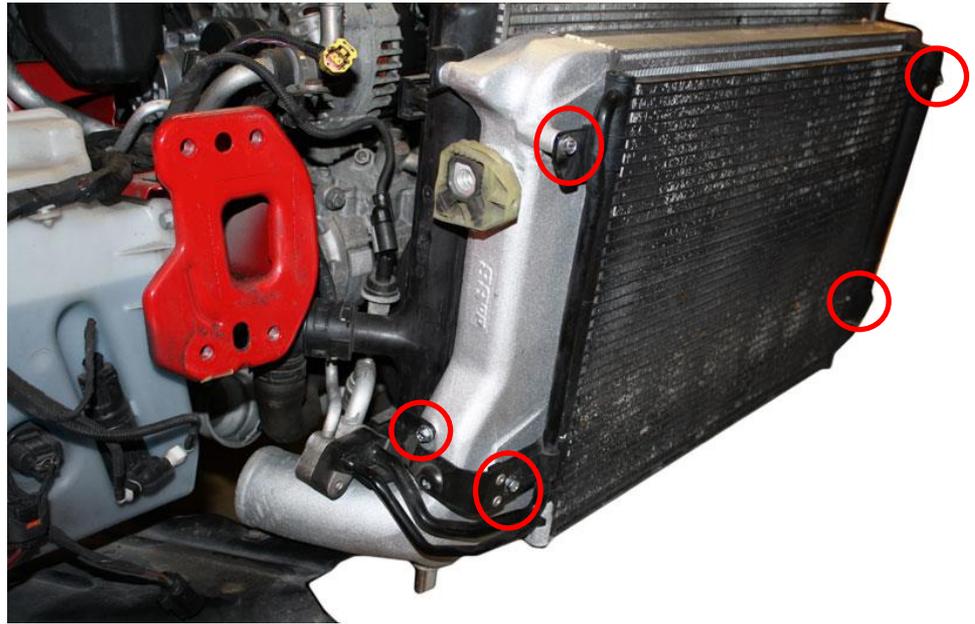


24.

The lower right hand side plastic radiator bracket may need to be trimmed, to give clearance for the condenser pipes.



- 25.** Connect the condenser to the intercooler with the remaining included 5x M6 x 15mm.



- 26.** It is now time to re-install the radiator bulkhead.

With a friends help:

1. Lift the radiator assembly and at the same time lift the radiator bulkhead up onto the support previously used for the radiator assembly.
2. Install the included M10 x 120mm screws between the radiator bulkhead and front frame rails.
3. Lift up the radiator assembly and insert the tabs in the bottom of the do88 intercooler into the rubber grommets on the radiator bulkhead support.



27. Reinstall the 2x Torx T30 for the two intercooler brackets (removed in step 15).

28. Connect the fan wiring connector from below the car. Then connect all the remaining connectors in this wiring harness which was disconnected in step 14.

29. Reinstall the stock 8x Hex 16mm screws for the radiator bulkhead main brackets.

Begin with 3 screws on each side while keeping the long M10 x 120mm in place.

With a friends help, align the heads of the screws from the marks from previous installation, then tighten them.

Finally replace the M10 x 120mm screw with the fourth stock screw on each side.



30. Gently remove the stock o-ring seal from the stock intercooler inlet hose. Make sure the o-ring does not get stretched while removing it. Install this o-ring on the do88 coupling adaptor. Make sure the o-ring does not get twisted while re-installing it on the do88 coupling adaptor.



- 31.** Install the do88 coupling adaptor into the right hand side intercooler pipe. At first install it without the locking clip. After it is pushed into the bottom then reinstall the locking clip and make sure it holds the adaptor safely.



- 32.** Install the do88 right hand side intercooler hose. Tighten it with the included hose clamps. Make sure the hose is orientated without any kinks.



- 33.** Install the do88 left hand side intercooler hose. Tighten it with the included hose clamps. Make sure the hose is orientated without any kinks.



- 34.** Reinstall all other parts in reverse order.