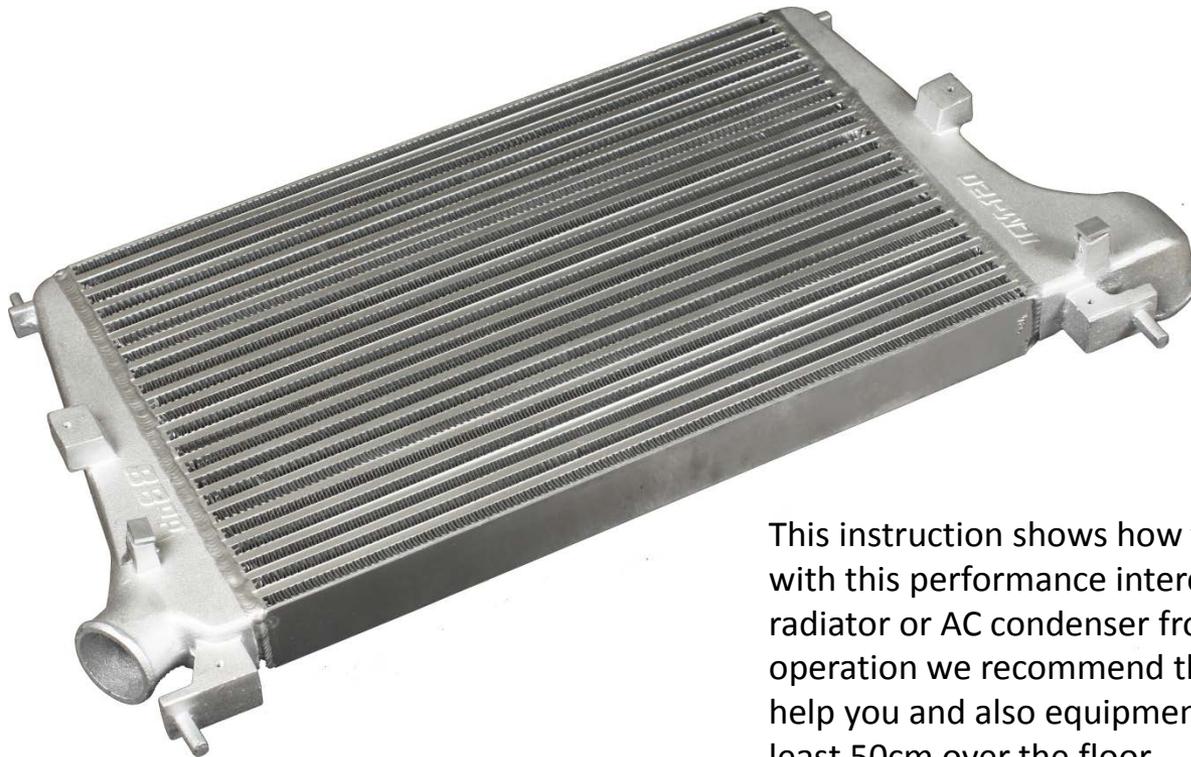


Installation instruction do88

Intercooler for SAAB 9-5 98-09



This instruction shows how to replace the OEM intercooler with this performance intercooler without removing radiator or AC condenser from vehicle. To perform this operation we recommend that you have an assistant to help you and also equipment to raise the front of the car at least 50cm over the floor.

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

Part number: ICM-120

1. Raise vehicle using a lift or jack so the front end are at least 50cm from the floor. If using jack make sure to use axle stands. Always make sure that hand brake are applied and vehicle are safely supported when working underneath.

2. Remove the front skid plate attached to the front bumper.

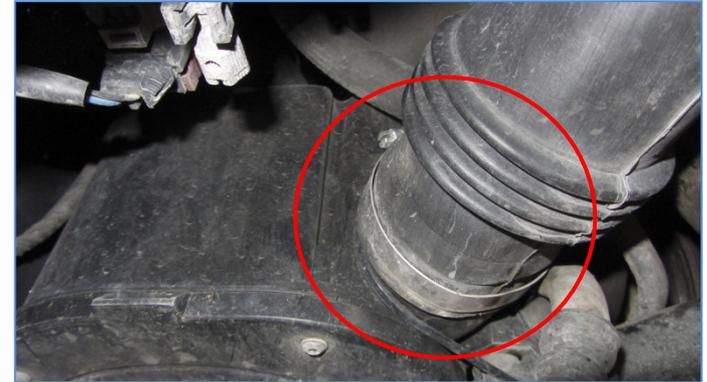
3. Loosen the power steering flanged pipe from the radiator brackets by removing 2pcs 10mm hex nuts. Secure the power steering pipe with cable ties in a location where its not straight underneath the radiators without causing damage to the pipe or its hoses.



4. Loosen the engine oil cooler that are attached to the intercooler with 2 pcs 10mm hex screws. Secure the oil cooler with cable ties in a location where its not straight underneath the radiators without causing damage to its pipes or hoses.



5. Remove inlet pipe from air filter box by removing the hose clamp using a 7mm hose clamp screwdriver or 7mm hex socket. Then pull apart inlet pipe from air box.



6. Remove the middle front grille by pushing the plastic clips with a plastic pry tool (be careful to avoid causing damage to grille or paint)

NOTE: This is the execution of SAAB 9-5 MY02-05, older and newer models have a different grille design and way to remove it.



7. Remove the 8mm hex screw that attach the inlet pipe to the horn bracket. Then lift the pipe loose from it bracket and remove it from car downwards.



8. Detach the hoses from the intercooler by removing the hoseclamps using a 7mm hose clamp screwdriver or 7mm hex socket. The pull/pry the hoses from the connections. The hoses can be left on the car if you should not replace them with new ones.

9. Detach the AC pipes from the sub frame bracket by pulling them upwards. This are executed to make it possible to move the condenser forward.



10. Before this step, make sure that your extra pair of hands support the radiators. Remove the lower radiator/intercooler brackets by removing the two 13mm hex nuts from both brackets. Then pull the radiator/intercooler/condenser package forward until its free from the studs then pull one bracket at a time to remove them from the radiators.



11. Then lower the Intercooler and AC condenser about 5cm (2 inch) to make easier access to the condenser screws.

- 12.** Remove both of the 10mm hex bolts that attach the AC condenser to the intercooler. One screw are located at each side of the condenser/intercooler.



- 13.** Separate the condenser from the intercooler by sliding it downwards from the intercooler. Push the condenser as far as possible from the radiator and secure to bumper with cable ties.



- 14.** Remove the intercooler by lower it carefully straight down until its loose from the car. It might be necessary to tilt it from side to side to remove. Be careful so you don't damage the fins of the radiator or condenser.

- 15.** Install the new intercooler in opposite direction. Read next step with installation tips before installing intercooler.

16.

Make sure that the top intercooler/radiator brackets are inline with the direction of the car to make it possible to push the intercooler pins into them.

At this step its necessary to have helping hands that control the position of the top brackets while the intercooler are raised into position. The top brackets are in this moment only attached to the radiator and with springs to the top radiator frame. Also take care not damage the fins of the radiators.



17.

Intercooler installed together with AC condenser, engine oil cooler and power steering pipe.

