

Installation instruction do88 Intercooler for SAAB 9-3SS/SC 4-cyl Turbo



This instruction shows how to replace the OEM intercooler with this 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:

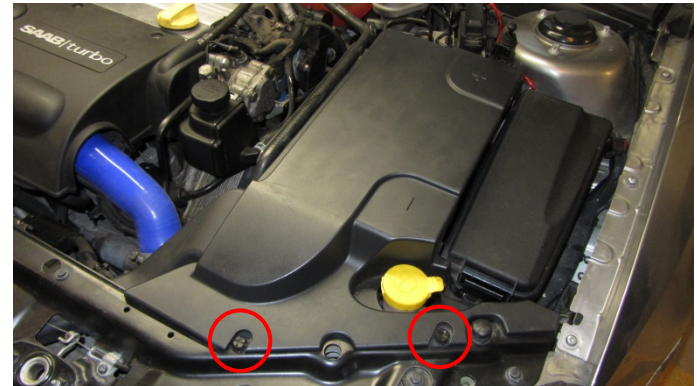
1. Intercooler 1pc
2. Hoseclamps 2pcs
3. Plastic screws 5x25 T25 2pcs
4. M5x16 T25 screws 2pcs
5. Hose inlet 1pc
6. Hose outlet 1pc

Part number: ICM-110-I4

1. Remove battery cover by loosen the two plastic screws in the front end, remove coolant hose from the groove and lift the cover away.

Remove the air guide positioned between radiator support and battery box by lifting it up from battery box and then pull out to the rear.

Remove the negative terminal from the battery post and make sure it will not be in contact with the battery terminal.

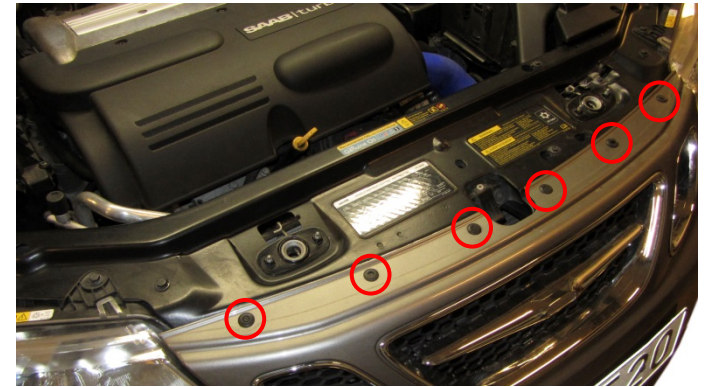


2. Remove the 4pcs 8mm hex head screws in each front inner fender.



- 3.** Remove 6pcs plastic rivets in the top of the bumper above the upper grille by pushing the center piece of them downwards a few millimeters (about 1/8") and then pull it up in the collar.

Cars with facelift 08-> have 4 pcs of plastic rivets and 2pcs of Torx T30 screws instead.



- 4.** Remove the 4pcs of 8mm hex head screws marked on picture.

Bend down the outer left "corner" (2.) of the front protecting plate and disconnect the electric connector attached to it and make sure vehicle chassis harness are not attached to the protecting plate.

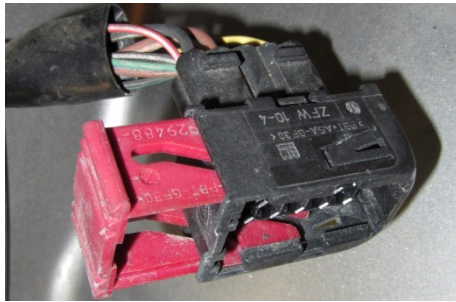
On vehicles with high pressure cleaning of headlight: Disconnect the hose to the headlight nozzles from the pump positioned in the washer fluid tank above the same "corner" (2.).
NOTE! Washer fluid might pour out.



- 5.** Pull the rear end of bumper out from the car until it comes loose on both sides of vehicle.



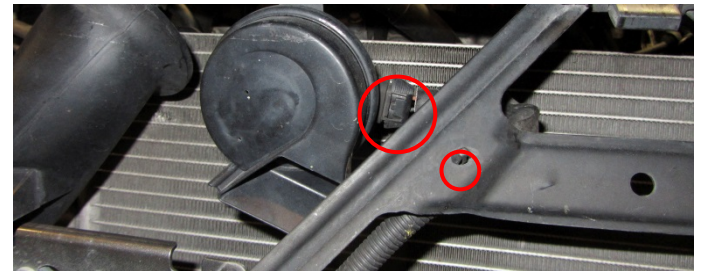
6. Remove the headlights by removing 3pcs of 10mm (on facelift 2pcs 10mm & 1pc 7mm) hex screws on each headlight and then pull/lift forward so you can disconnect the electrical connector from the headlight and then remove headlight from vehicle.



This type of electrical connector are disconnected by pulling the red part out from it at the same time as the male and female connectors are pullet apart.

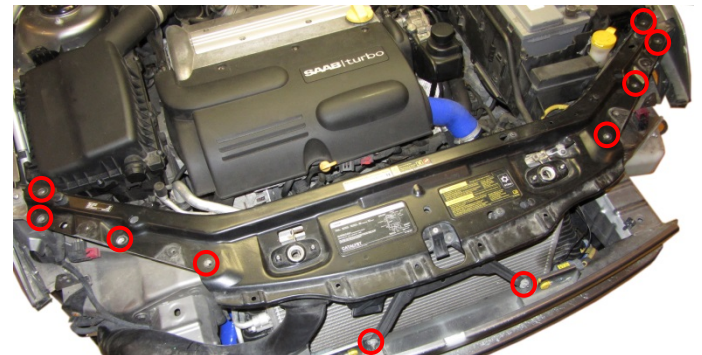


7. Disconnect the electrical connector from the horn and remove the cable clips from the front cross member.



8. Remove the radiator support by removing 8pcs of 10mm (on facelift 6pcs) hex head screws on top of it and 2pcs of 10mm hex head screws in the bottom of the cross member.

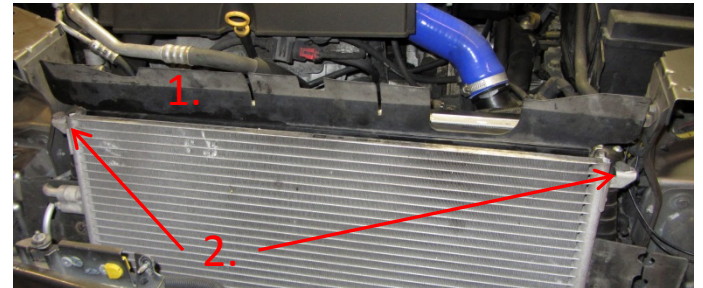
Protect the battery terminals so they will not be shorted and then lift up and position the radiator support with cross member above the engine compartment so its not on top of the radiators.



9. Remove the air inlet duct by screw up the washers, twist the pipe on its lower connection so it lifts from the attachment point then twist at the same time as you pull forward until it comes loose from the air box.

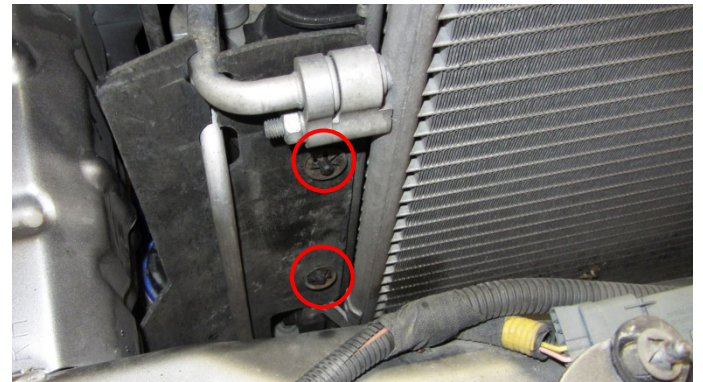


10. Remove the air guide (1.) from the top of the intercooler by pulling it upwards. Remove the 2pcs Torx T25 screws (2.) that attaches the AC condenser to the intercooler.

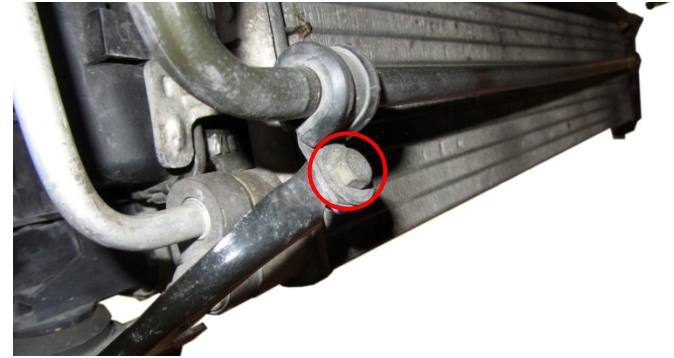


11. Remove the air guides on both sides of the intercooler by gentle pry out the tabs in the washer and then remove from intercooler pin. Remove air guides from intercooler.

Then straighten out the tabs in the washers so you can reuse them when installing air guides on the new intercooler.



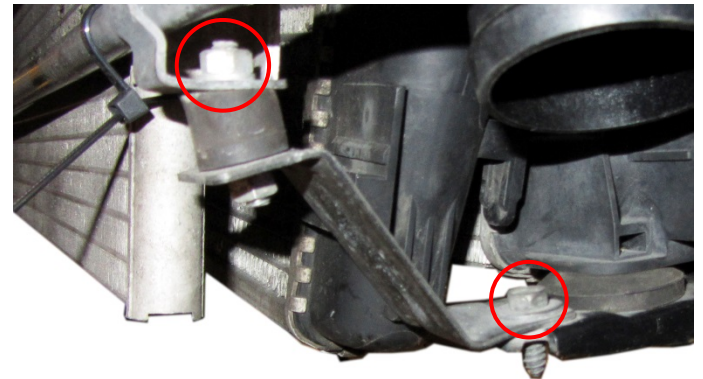
- 12.** Remove the 10mm hex head screw that attaches power steering pipe clip to bracket.



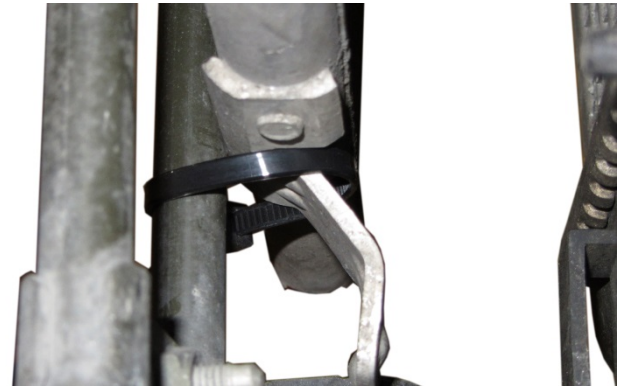
- 13.** Remove the power steering pipe bracket by removing the 10mm hex head screw, turn it upwards and pull loose.



- 14.** Loosen the 10mm hex nut just a bit, then remove the 10mm hex head screw from the bracket and then turn the bracket out from the car.
Support the power steering pipe by hand and temporarily attach it to the bumper beam with zip tie or similar.



15. Lift the AC condenser upwards from its slots in the intercooler and tie it toward bumper beam as much forward as possible.



16. Remove both intercooler hoses from the vehicle by loosen hose clamps (with a 7mm hose clamp screwdriver or 7mm hex socket) in both ends and completely remove hoses from the vehicle.



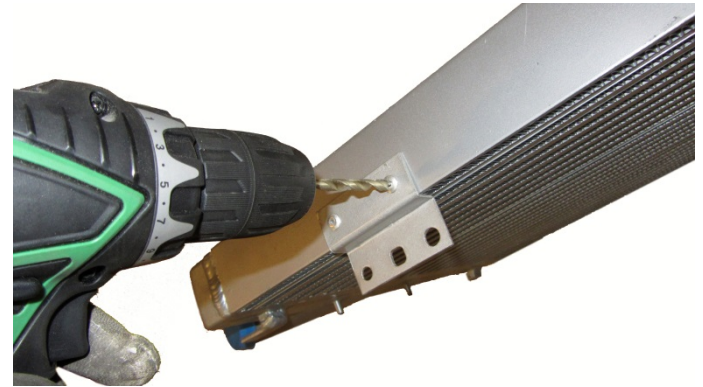
17. Remove the 2pcs Torx T25 screws that attaches intercooler to radiator (one on each side of intercooler).



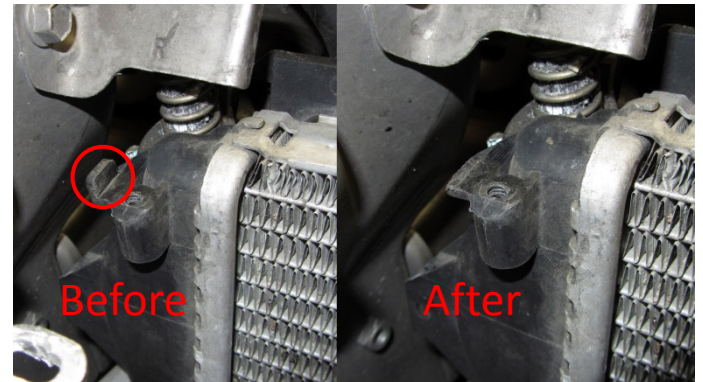
18. Remove the intercooler by lifting it up from the radiator slots and then carefully remove the intercooler downwards starting with the left hand side and then the rest of it according to picture.



19. To install the intercooler on a 4 cylinder model 9-3 the lower brackets need to be removed. Drill the 2 pcs of rivets on each bracket head using a 8mm drill and drill only about 3mm (1/8") deep. Take care to not drill too deep. If you drill about 10mm deep you might cause a leak in the core. When the rivet heads are drilled according to this, just bend the brackets loose.



20. Cut/grind the small plastic tab down flat on the radiator according to picture.



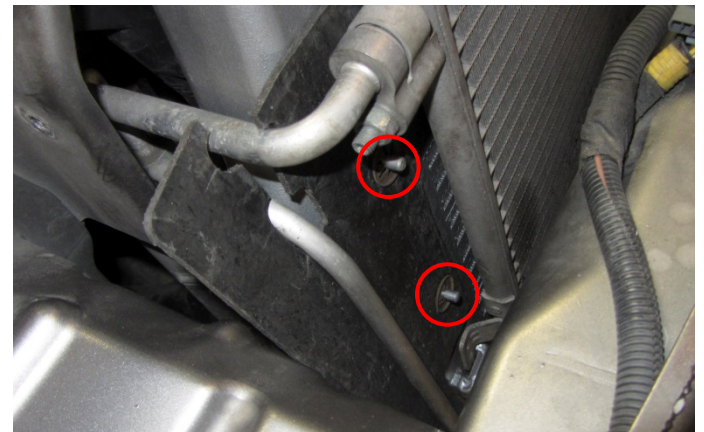
- 21.** Install the new intercooler the same way the old one was removed. Lift up right side inlet connection over the lower radiator bracket then lift up the left side (Outlet). Lift the intercooler and position the tabs in the radiator slots.



- 22.** Attach the intercooler to the radiator with the two included 5x25 Torx T25 plastic screws . One on each top end of the intercooler.



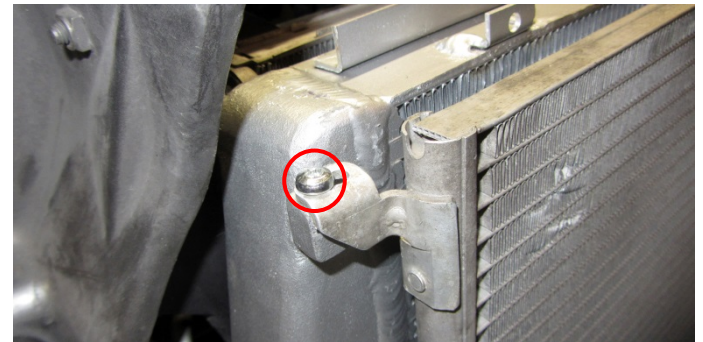
- 23.** Install the OEM air guides on each side of the intercooler using the tab washers removed in step 11. This step are very important to achieve maximum cooling efficiency.



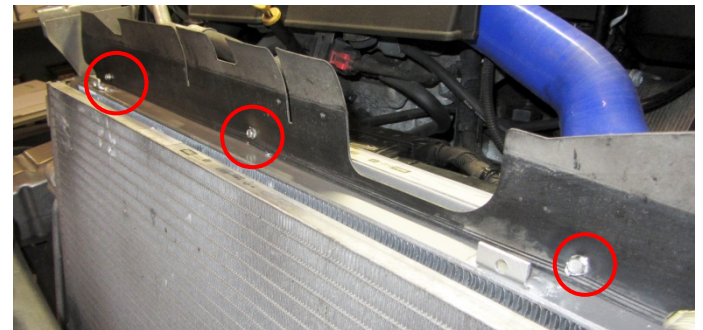
- 24.** Install the AC condenser on the new intercooler by inserting the tabs in the intercooler condenser brackets.



- 25.** Fasten the AC condenser to the intercooler with the two included M5x16 Torx T25 screws. One on each side of condenser.



- 26.** Install the upper air guide on the front side of the bracket on top of the intercooler using three included 4x16mm self drilling metal screws (not on included parts picture). Position the plastic air guide centered on top of the intercooler.



- 27.** Install the hose between intercooler pipe and intercooler inlet. Secure with OEM hose clamp on the pipe end of hose and one of the included clamps on intercooler side of hose.



- 28.** Install the hose between intercooler outlet and intercooler pipe. Secure with OEM hose clamp on the pipe end of hose and one of the included clamps on intercooler side of hose.



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