



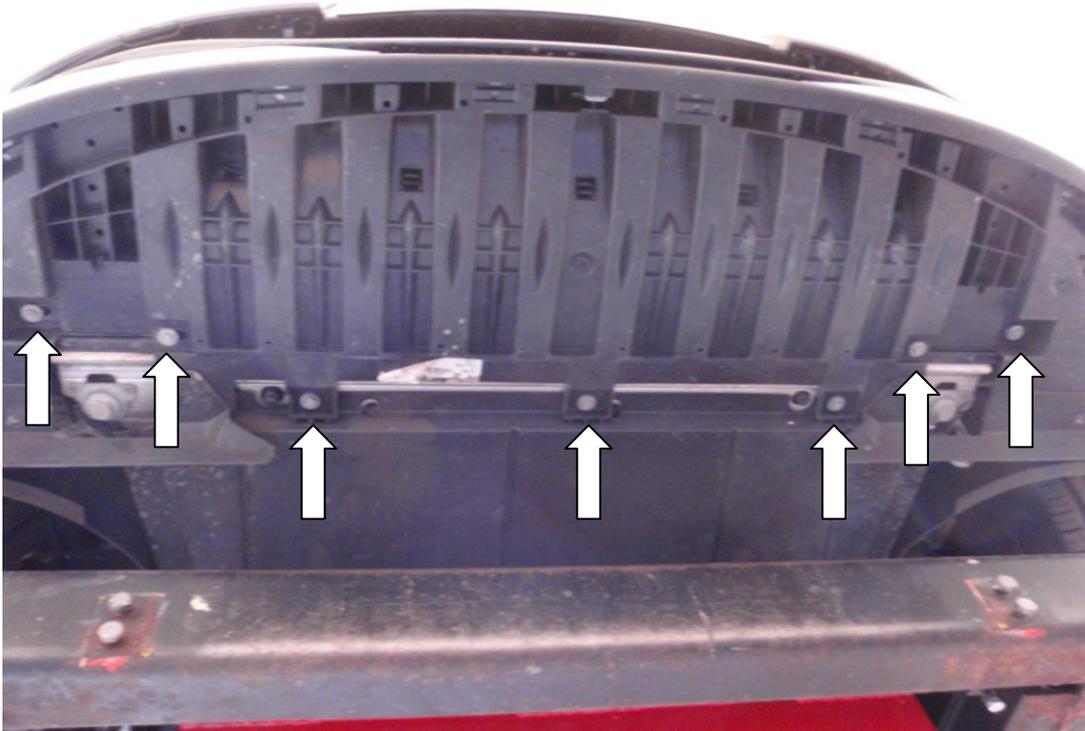
RENAULT MEGANE RS250 INTERCOOLER INSTALLATION



Tools needed:

- 10mm, 13mm socket and 3/8 ratchet with suitable extensions
- 5/8" socket (yes really)
- 5mm allen key or allen socket
- 10mm and 13mm spanner
- T20 and T30 torx sockets
- Needle nosed pliers
- Drill and 7mm HSS drill bit
- Flat bladed screwdriver

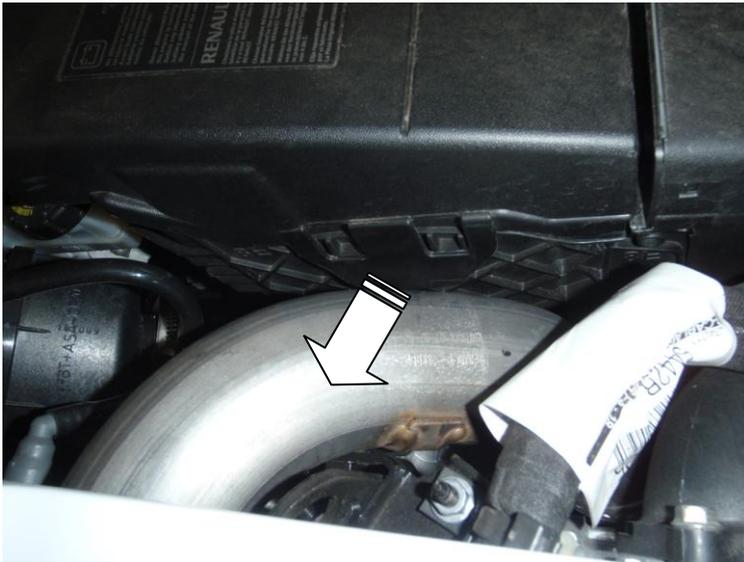
1. Park the car on level ground, jack up the front of the car and support on axle stands to give you access to the underside of the front bumper. Start by removing the seven 10mm bolts shown below.



2. Working in each wheel arch, remove the two T20 screws on the edge of the arch liner, then peel back the liner at the top and undo the single T30 bolt.



3.



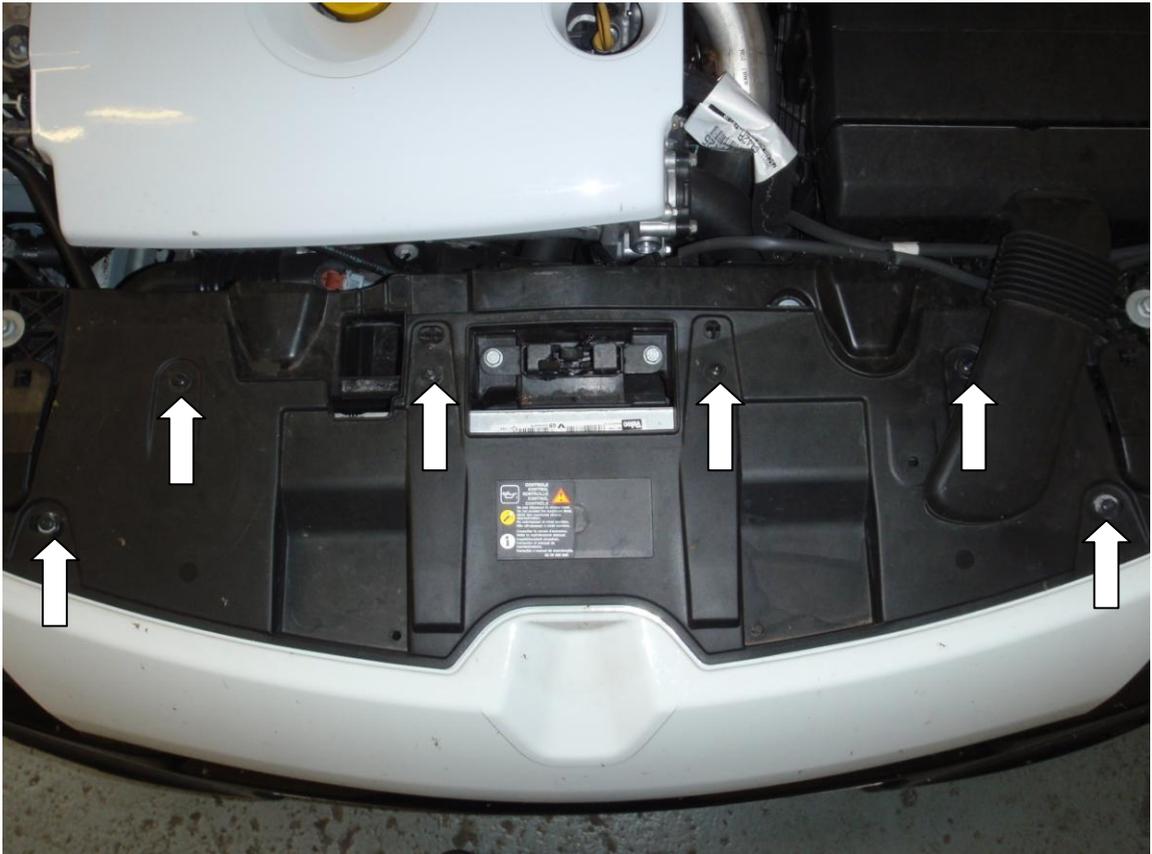
Pull the tabs out on each side of the battery cover and remove it from the car



Pull the air feed upwards to release it from the top of the bumper, then pull the front section of the battery cover upwards to release it from the battery



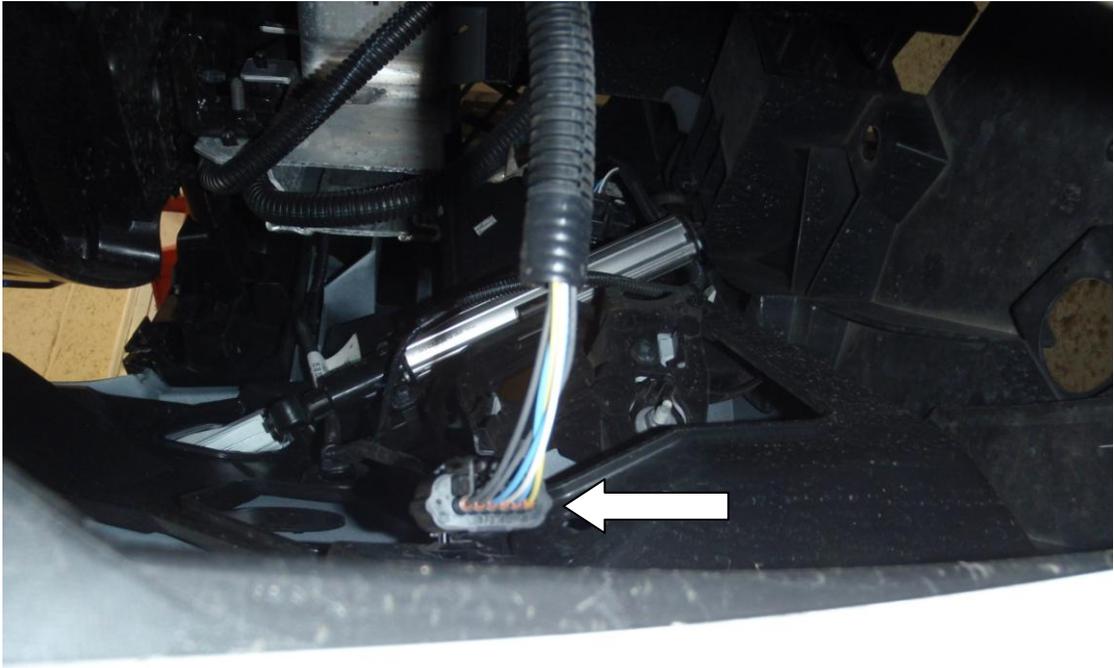
4. Undo the six T20 screws on the top of the bumper.



5. Grip the edges of the bumper where they meet the wing, and pull sharply to release it from the plastic clips along the edge.

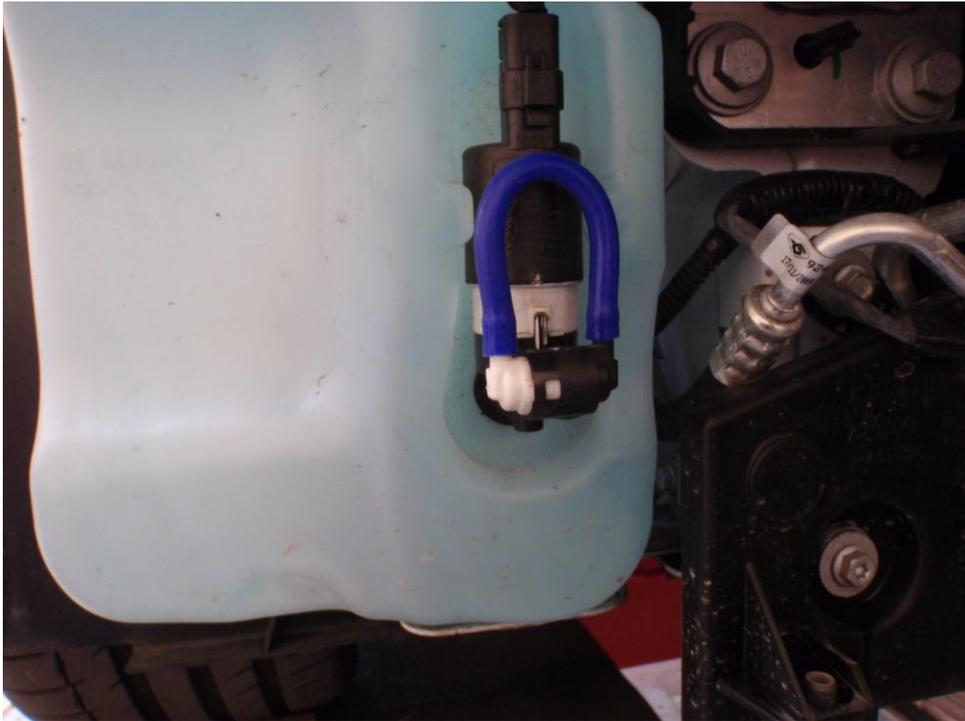


- Lift the bumper forwards SLIGHTLY off the car, until you can access the electrical connector on the inside of the bumper on the passenger side (RHD) or drivers side (LHD). Ensure that the ignition is OFF, and detach the harness.



- If you have headlight washers fitted, you still won't be able to remove the bumper from the car. Detach the washer hoses for the left and right washer from the pump outlet on the washer bottle. As you do this, water will leak out, so use the provided length of silicon hose to cap the holes.

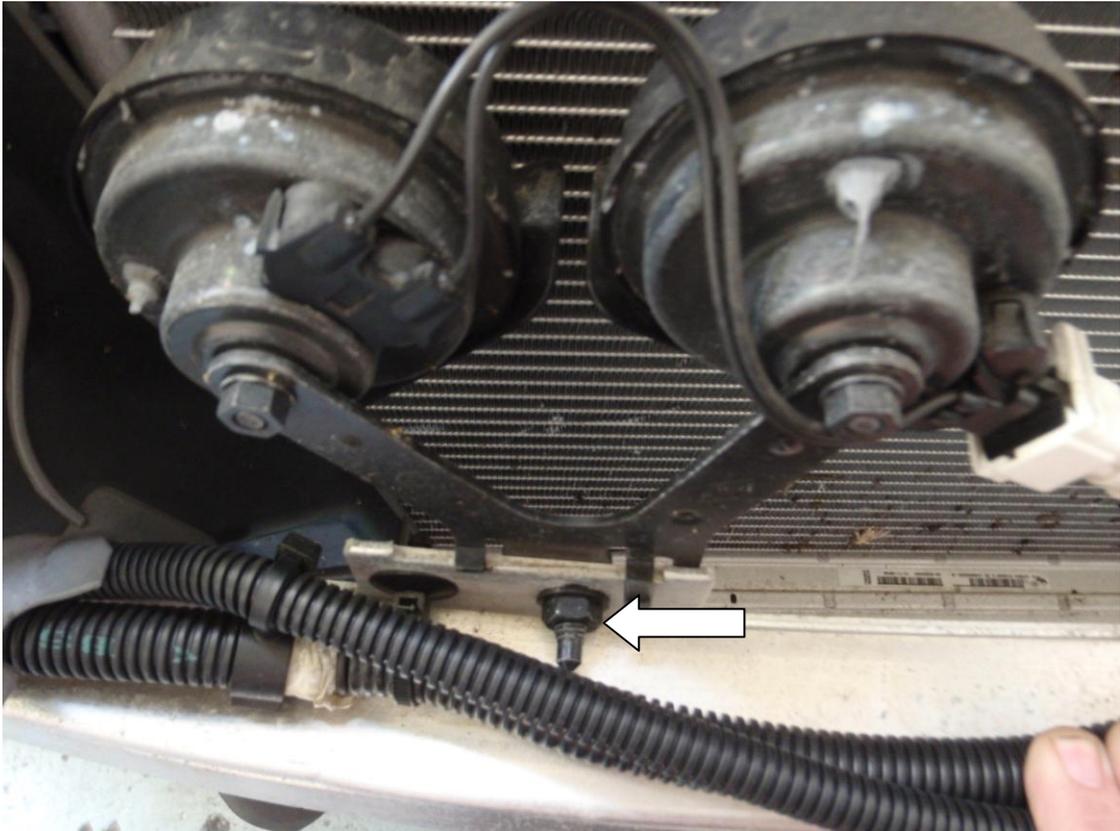




8. Place the bumper away from the car, and remove the side ducting down each side of the condenser and the top ducting that was underneath the bumper top edge. The side ducting is clipped to the top ducting on the front edge, and held in place with clips on the slam panel that can be pushed out with a screwdriver.



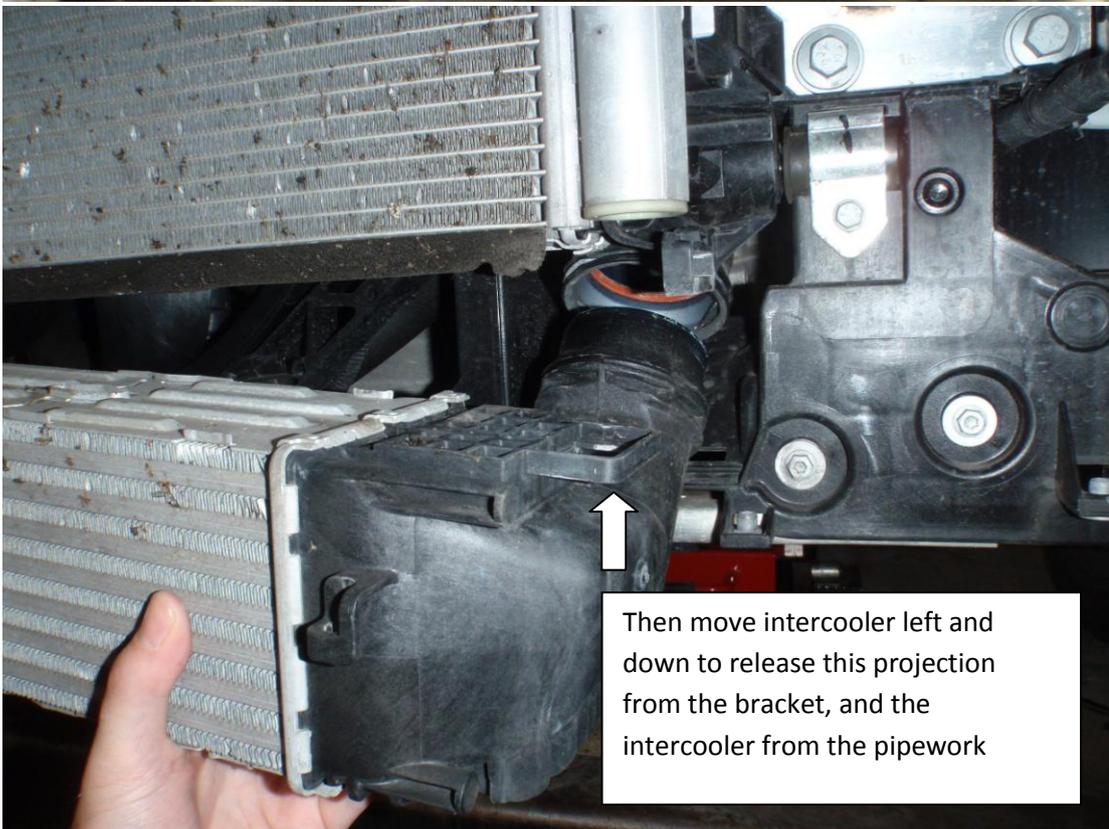
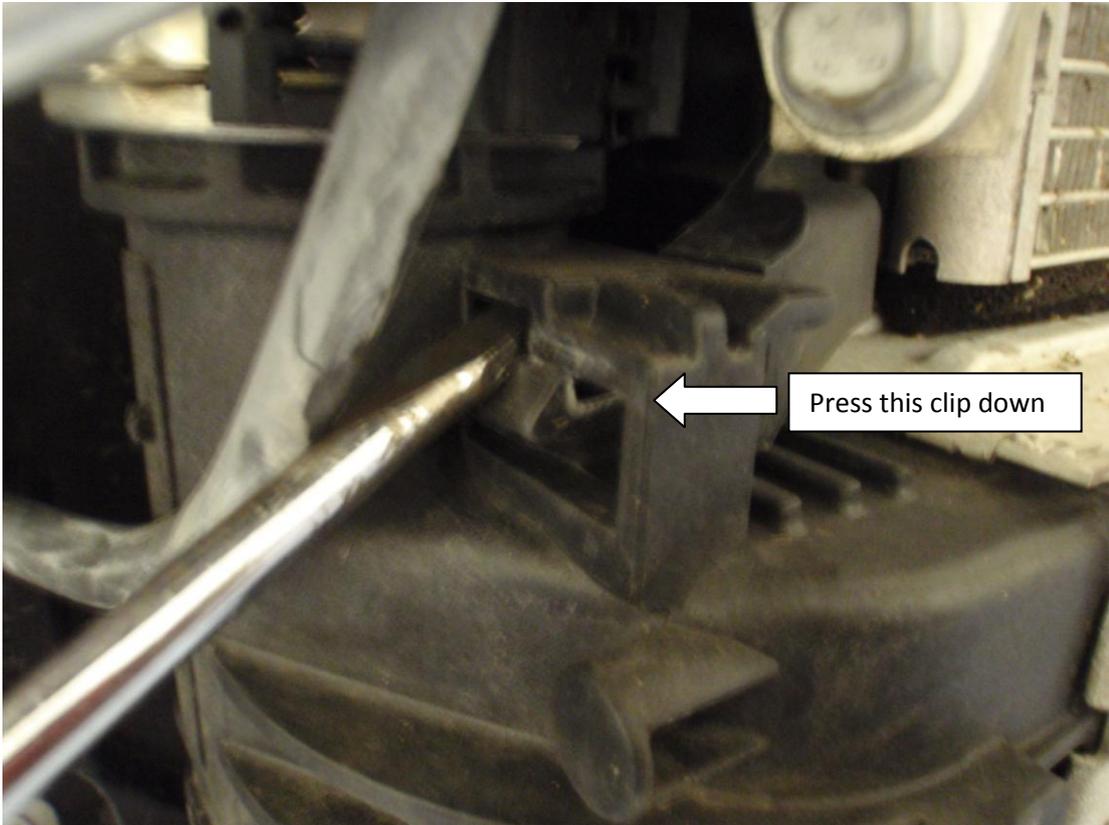
9. Unclip the electrical connection to the horn by squeezing the metal retainer, and remove the single 10mm nut holding it to the crash bar.



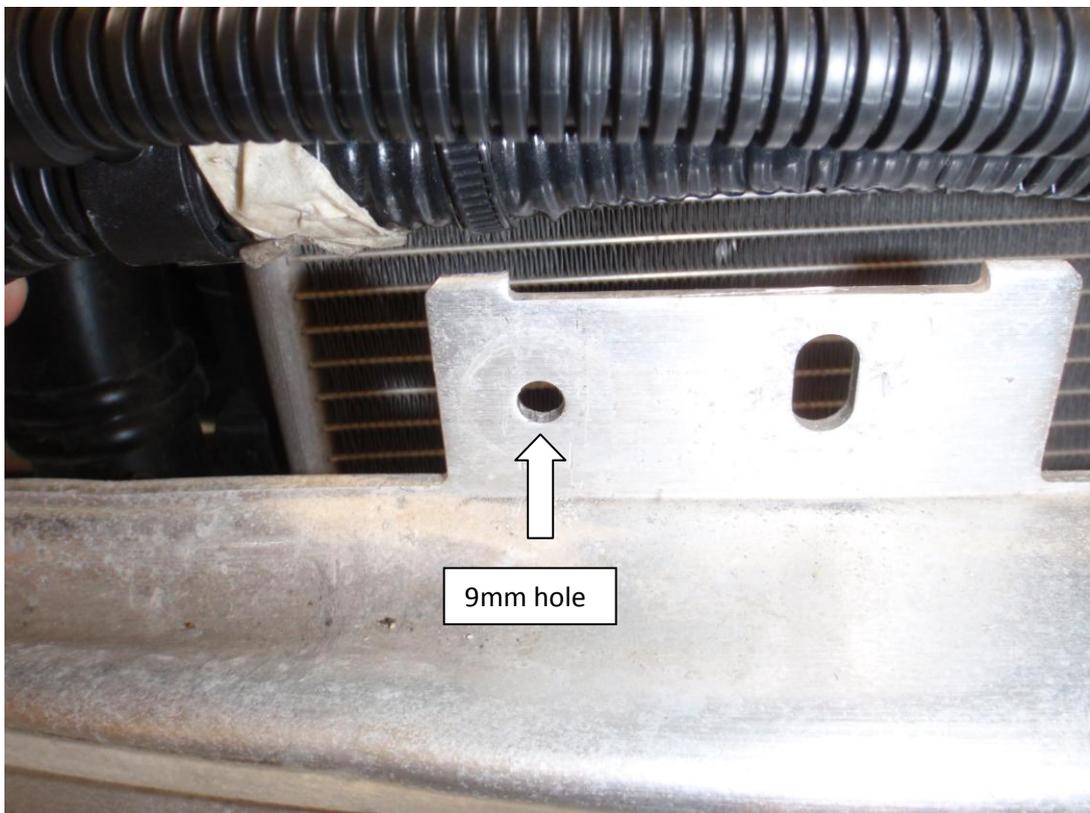
10. Use a flat headed screwdriver to prise the retaining clip out of the passenger side intercooler connector. When it's out far enough it will 'click' into place.



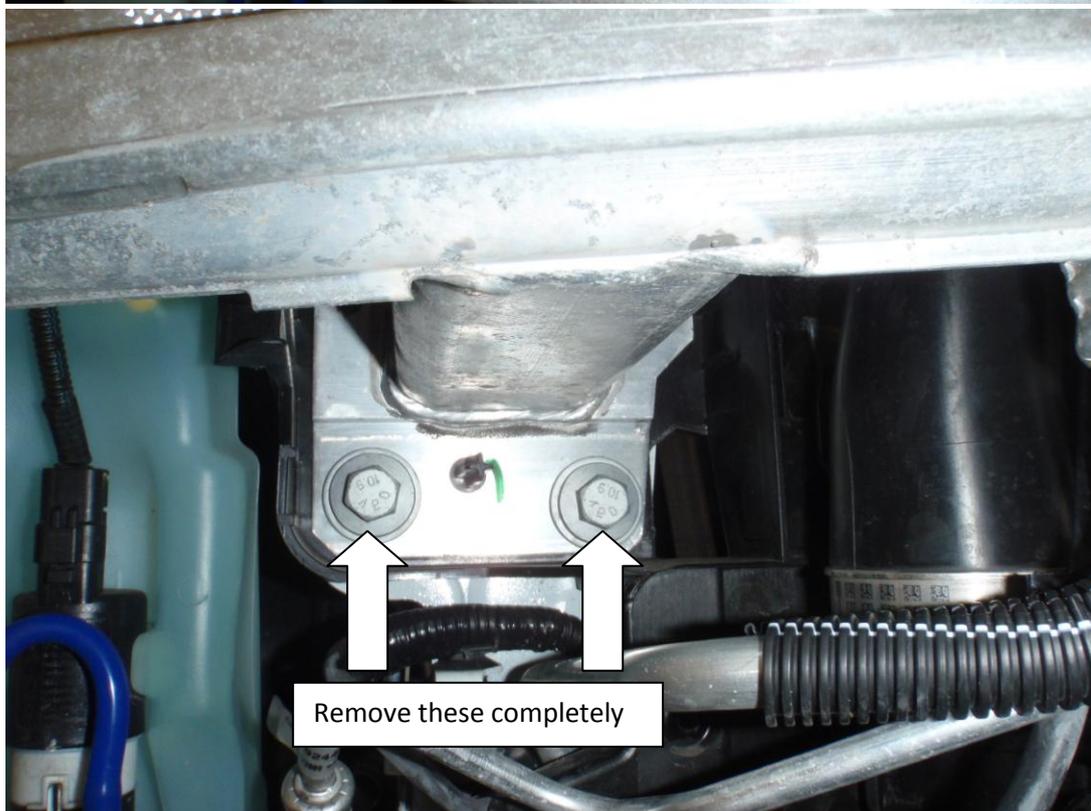
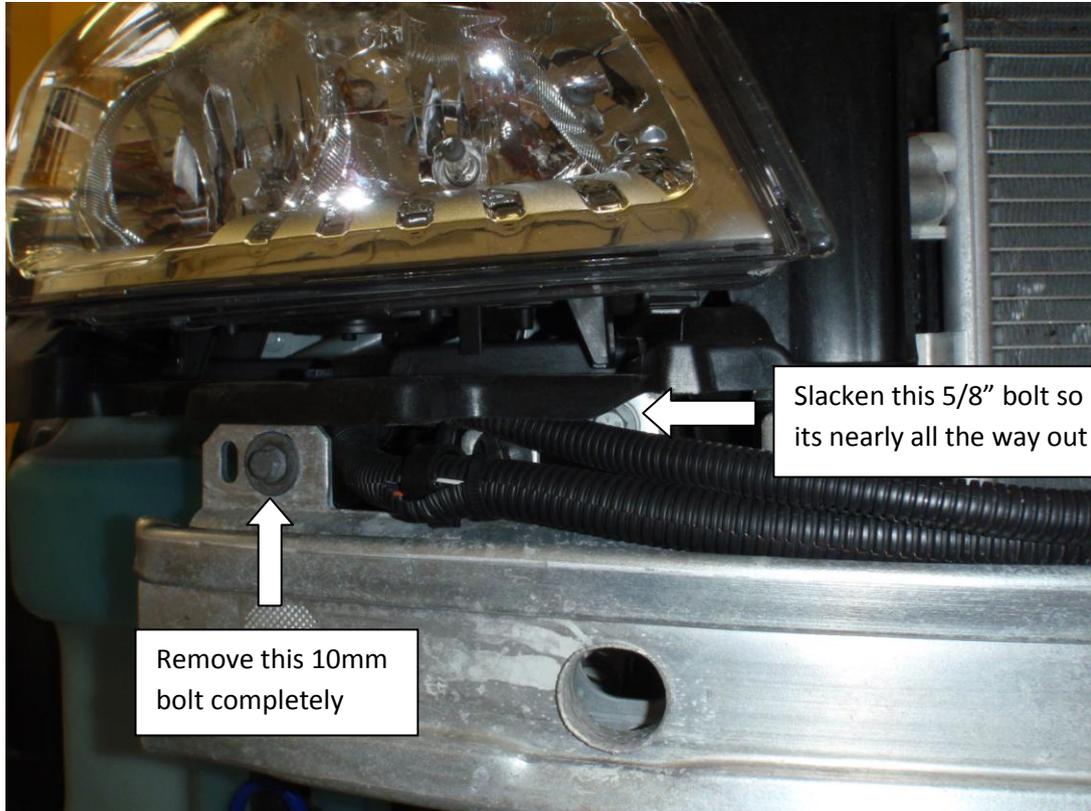
11. On the drivers side of the intercooler, depress the clip holding the intercooler to the car with a flat bladed screwdriver. At the same time, push the intercooler to the left (looking from the front of the car) to release it from the bracket on the passenger side, then pull down to release the passenger side connector.



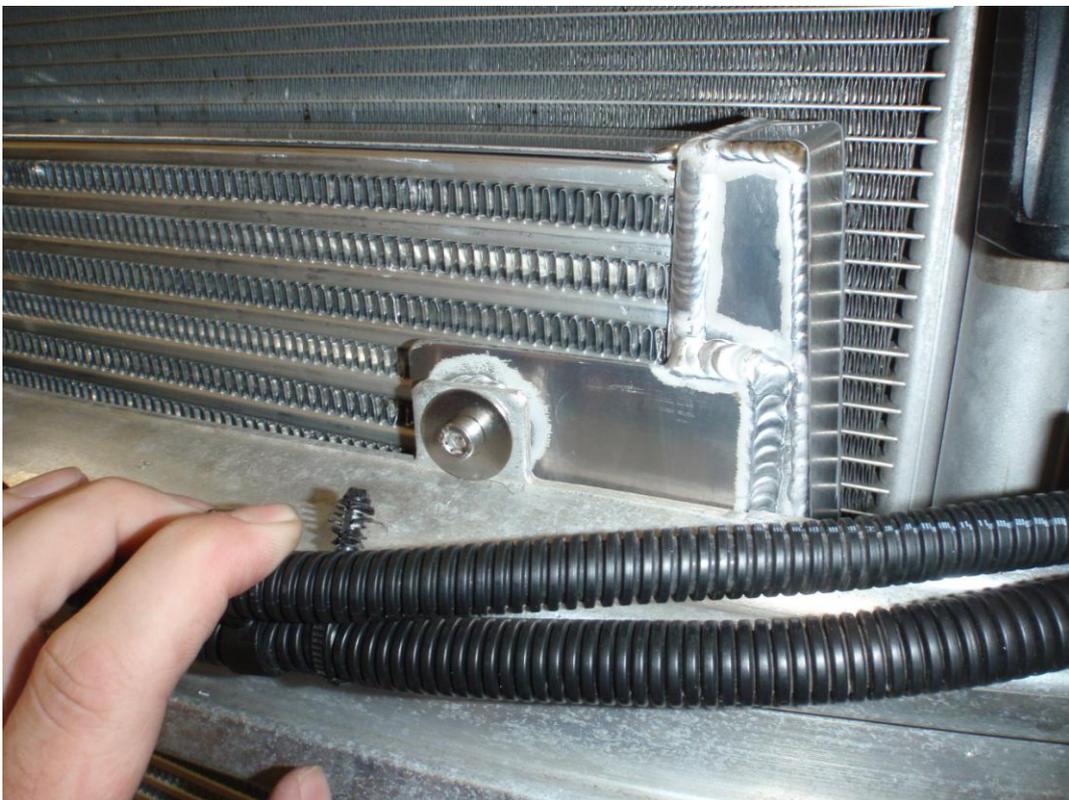
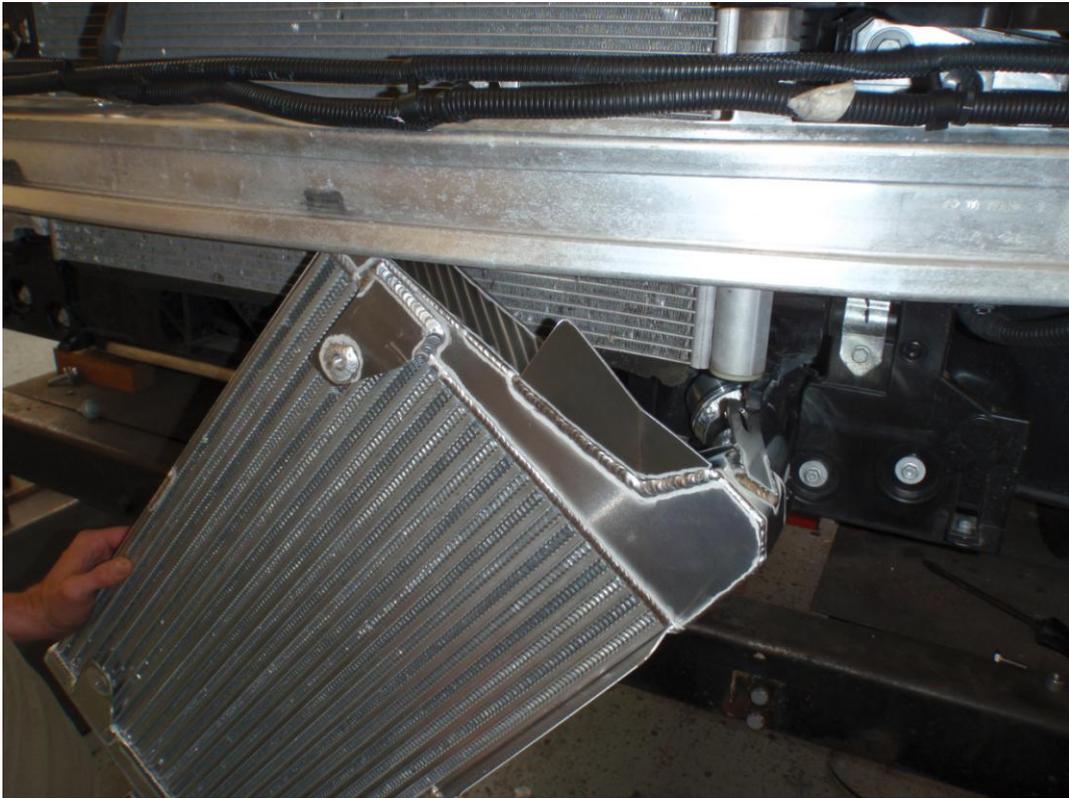
12. Use needle nosed pliers to remove the furthest right and furthest left clips that hold the wiring to the crash bar (it should still be held in the middle). Drill the holes out to 9mm each end.



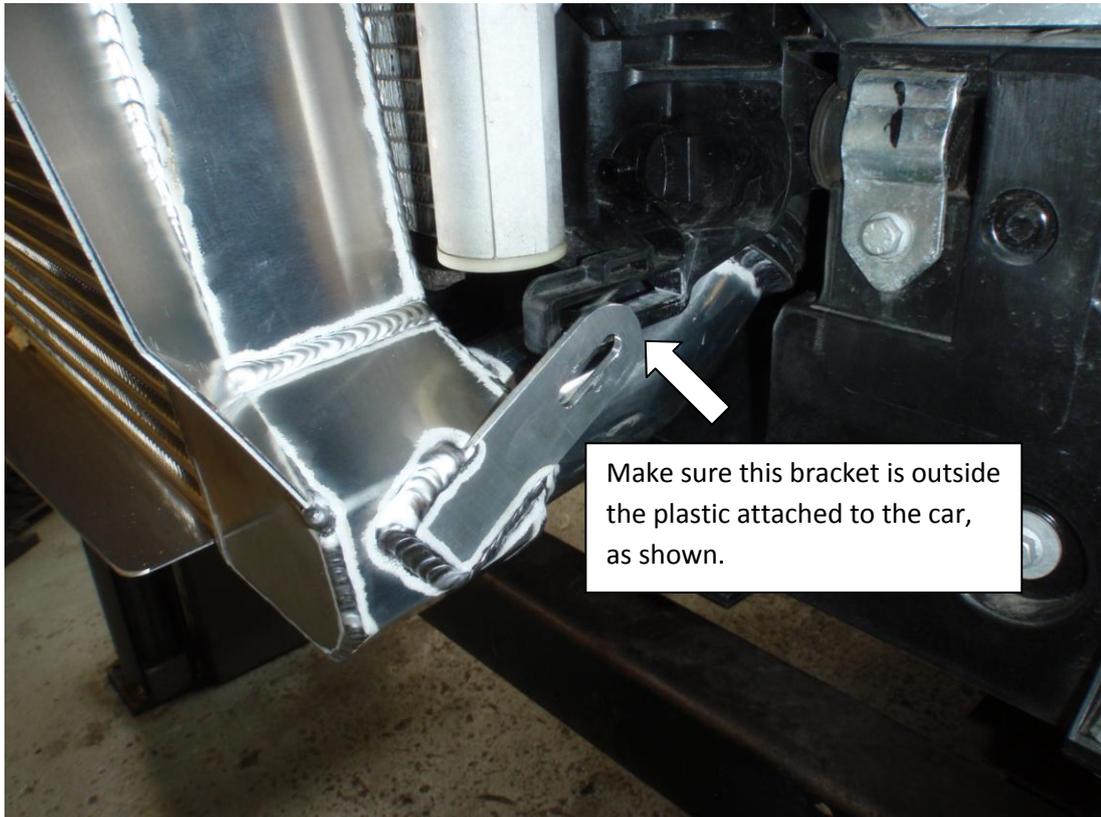
13. The crash bar needs to be loosened in order to fit the intercooler. Don't remove it fully as this will make it hard to mount the intercooler. There are three bolts holding the crash bar to the chassis **each end** (remove two and leave the last one in very loosely), and one 10mm bolt under the headlight that must be completely removed. The bolts on the chassis are unusually 5/8" head size so you will need an imperial socket set.



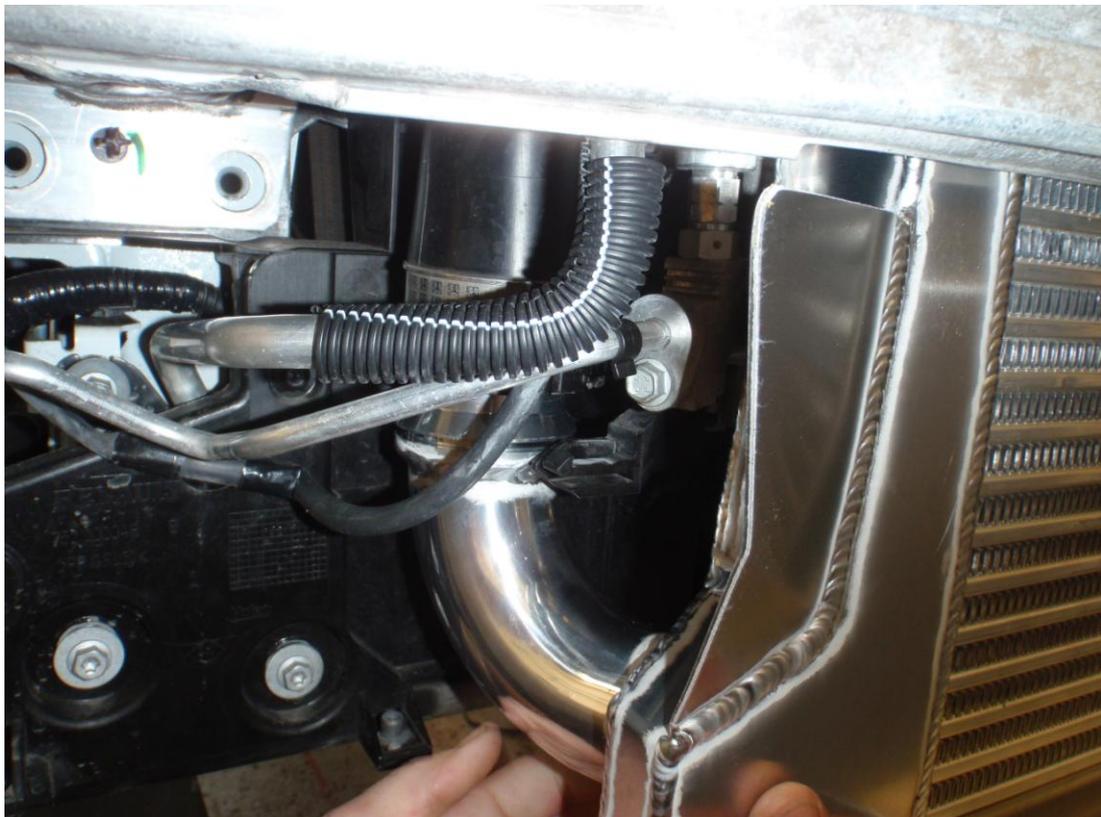
14. Offer up the intercooler to the car as shown below, rotating the intercooler as you go so that the mounting bosses on the front face of the intercooler line up with the 7mm holes you drilled in step 12. Fit the M6x16 allen head bolts with penny washers through the bosses and get them finger tight.



15. Push the passenger side into the hose first, until you hear a click signifying that the retaining wire clip is seated correctly in the recess of the connector. Make sure that the bracket shown below is on the OUTSIDE of the plastic attached to the car.



Now push the drivers side into the hose in the same way, making sure you hear the click from the retaining wire.



16. Refit and tighten the crash bar bolts removed in step 13. Tighten the two allen head bolts from step 14 full, and now use the provided M8x25 bolt, penny washers and nyloc nut to secure the lower bracket.



17. Bolt the horns loosely to the short bracket provided, then mount to the hole in the crash bar as shown below, using the M8x16 bolt, plain washer and nyloc nut. Orientate the bracket and horns as shown, getting the horns as close to the top of the intercooler to prevent them from hitting the underside of the bumper. Plug the horns back in to the loom.



18. Your intercooler should now be fitted and bolted in firmly. The top ducting (step 8) now has nothing to clip to and hold it in place when you reassemble the bumper. We used a very small piece of sticky tape to hold it in place to the condenser whilst the bumper was fitted on top of it. Refit the bumper following steps 8-1 in reverse order. No trimming is necessary. Enjoy your new found performance !



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