



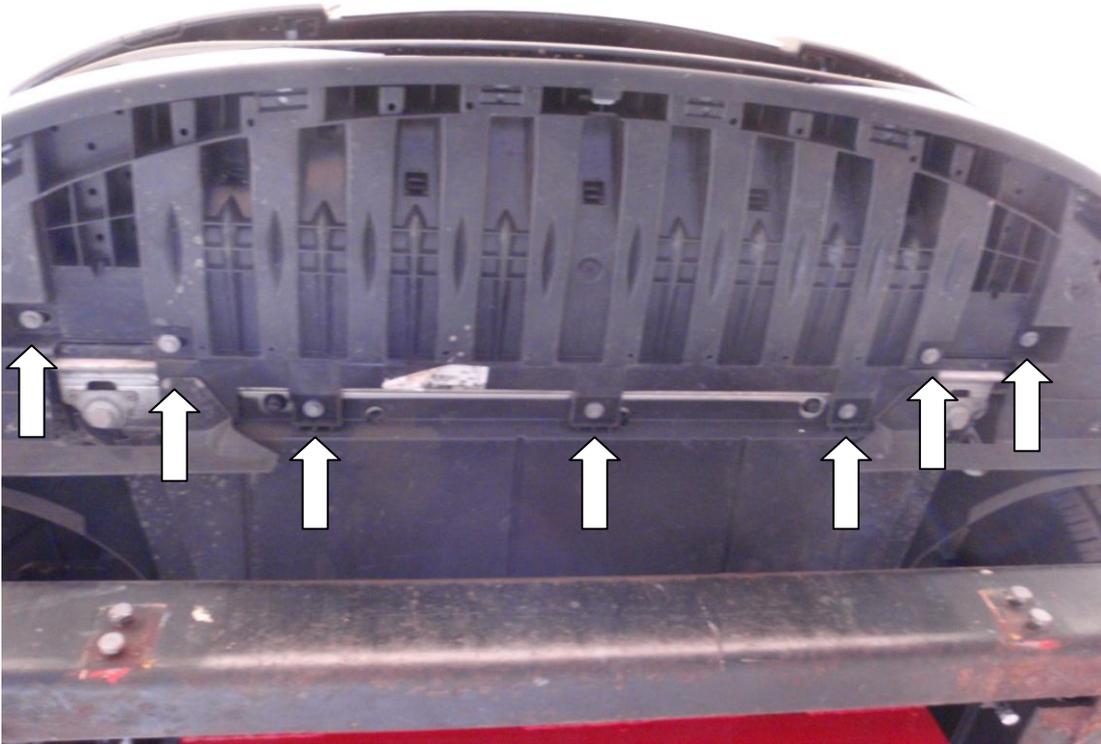
RENAULT MEGANE RS 250 INTERCOOLER INSTALLATION



Tools needed:

10mm,13mm socket and 3/8 ratchet with suitable extensions
6mm allen key or allen socket
10mm and 13mm spanner
T20 and T30 torx sockets
Needle nose pliers
Drill and 9mm HSS drill bit
Flat bladed screwdriver

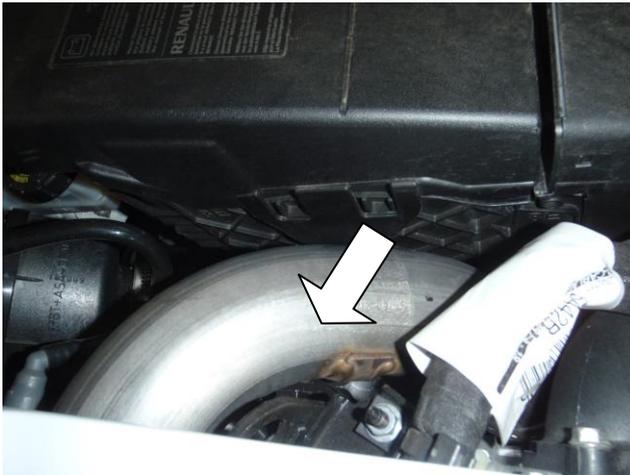
1. Park the car on level ground ,jack up the front of the car and support on axle stands to give you access to the underside of the front bumper .Start by removing the seven 10mm bolts shown below.



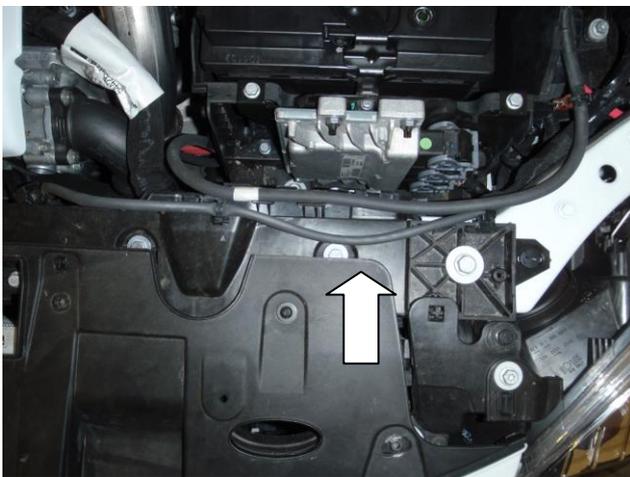
2. Working in each wheel arch ,remove the two T20 screws on the edge of the arch liner,then peel back the liner at the top and undo the single T30 bolt.



3.



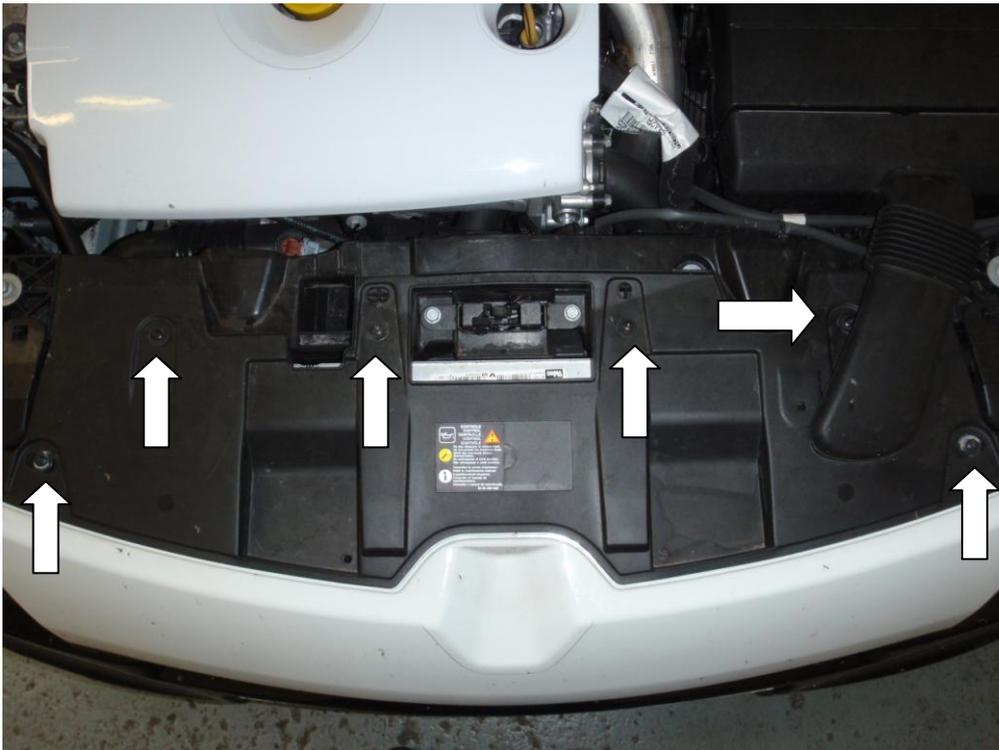
Pull the tabs out on each side of the battery cover and remove it from the car .



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



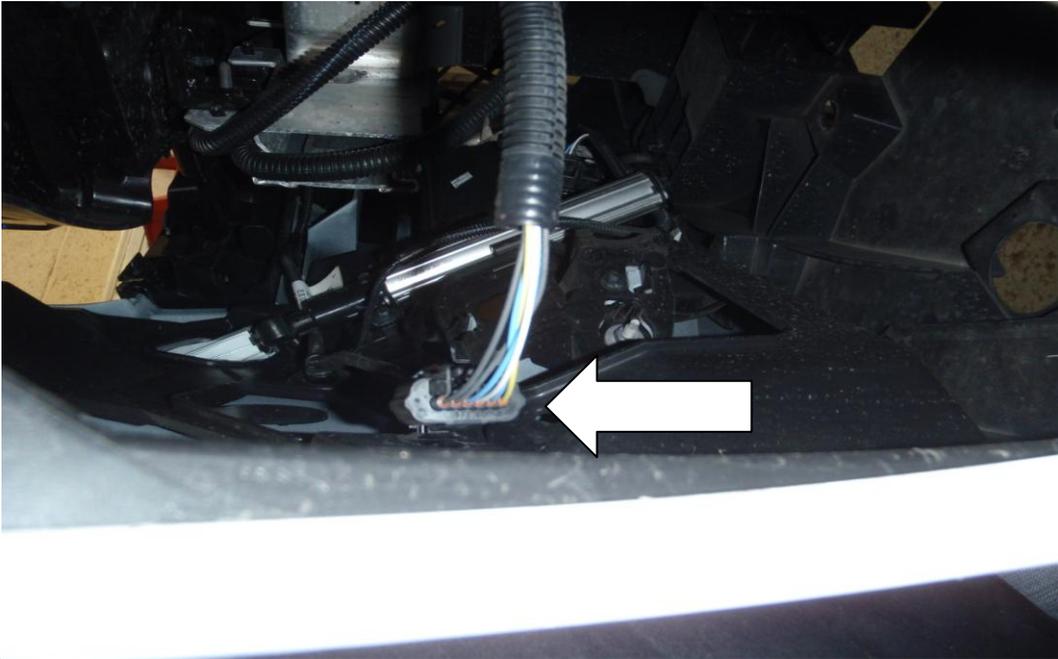
4. Undo the six T20 screws on the top of the bumper .



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 .

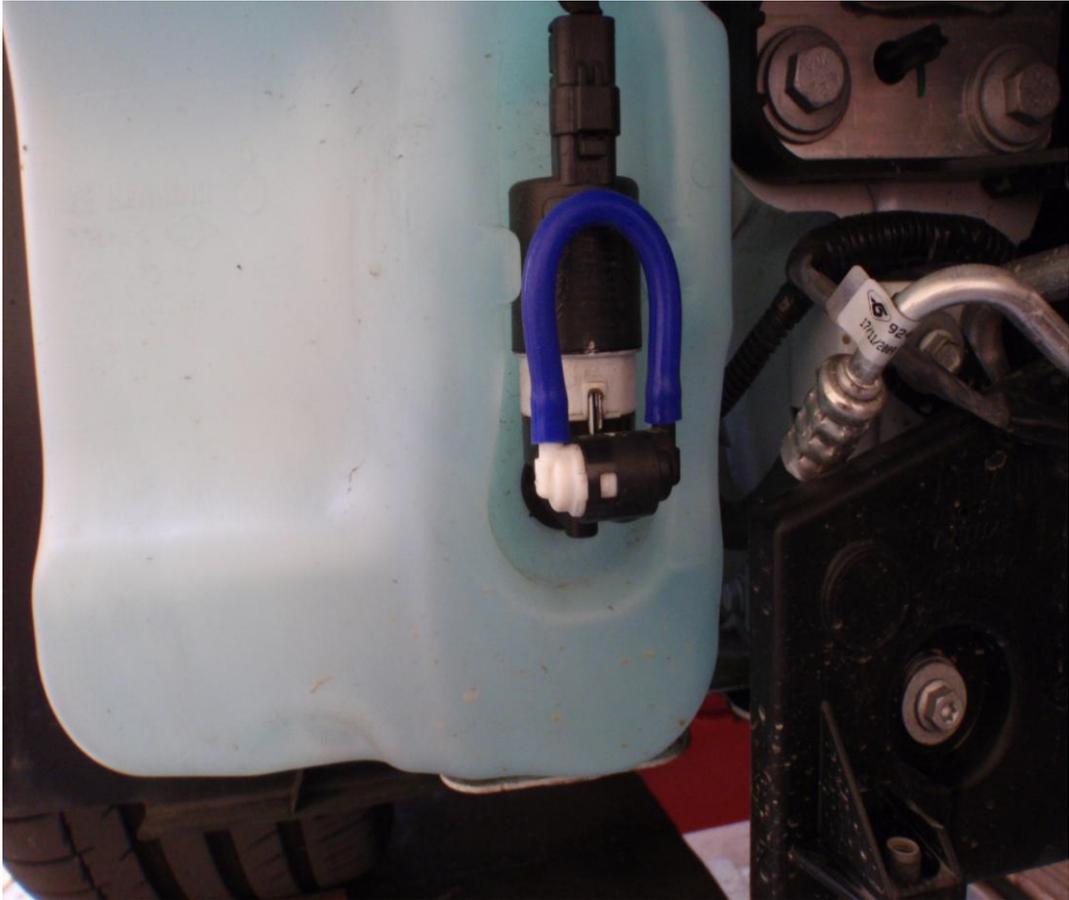


- Lift the bumper forwards slightly off the car ,until you can access the electrical connector on the inside of the bumper passenger side (RHD)or drivers side on (LHD).Ensure the ignition is off and detach the harness



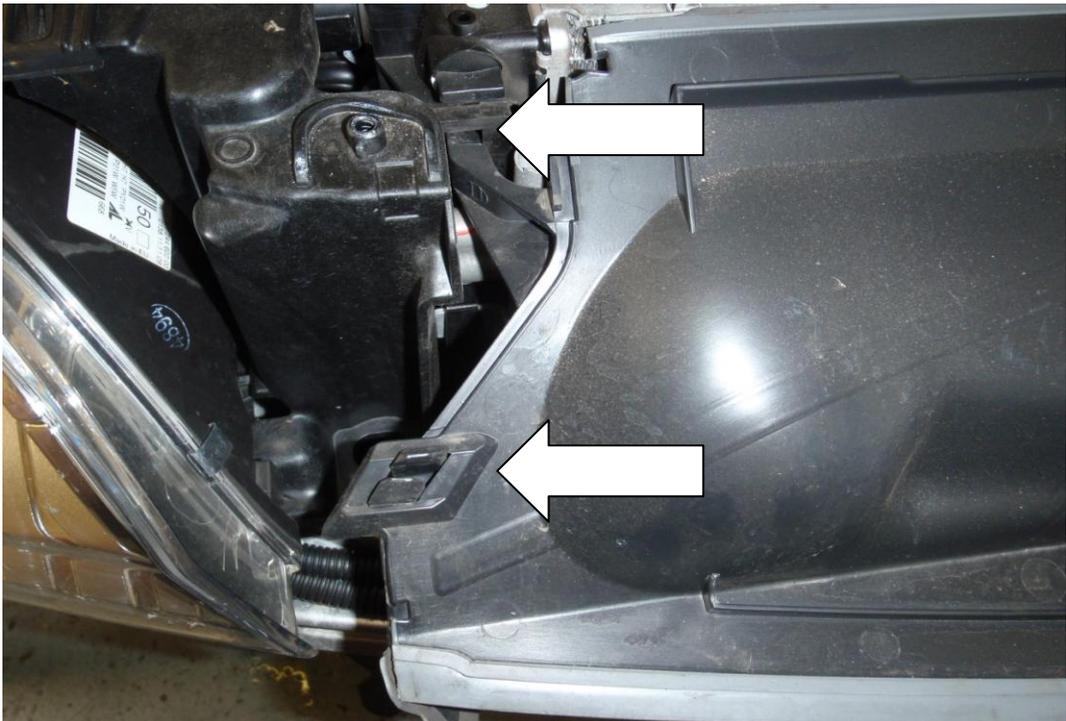
- If you have headlight washers fitted,you still won't be able to remove the bumper from the car .Detach the washer hoses for left and right washer from the pump outlet on the washer bottle. As you do this ,water will leak out ,so use the provided length of silicon hose to cap the holes.



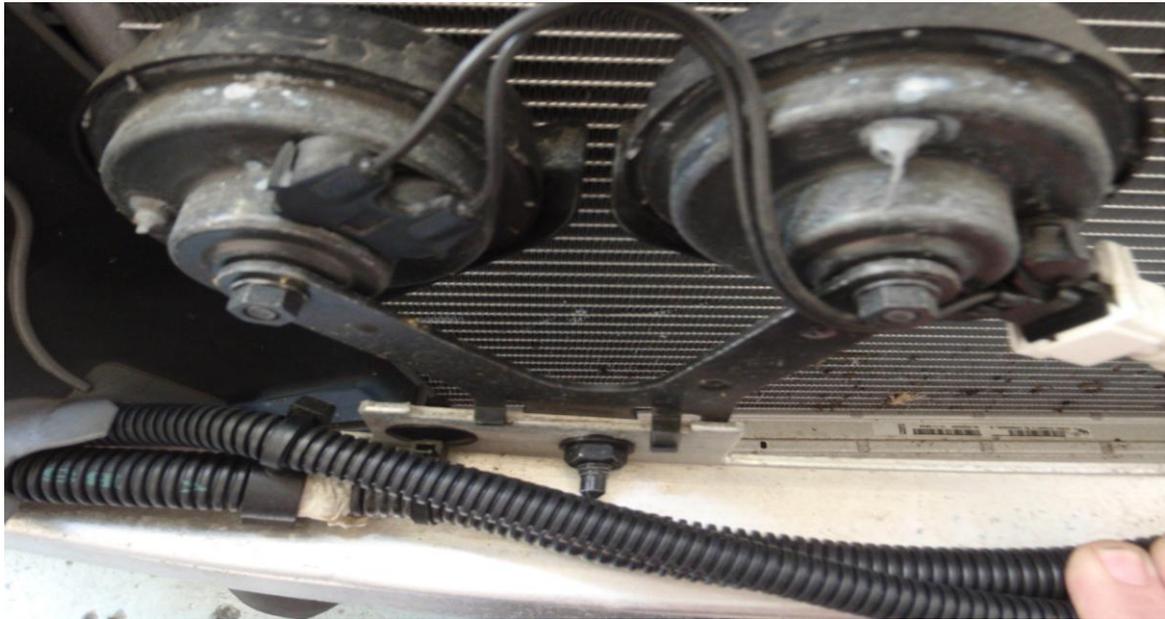


8.

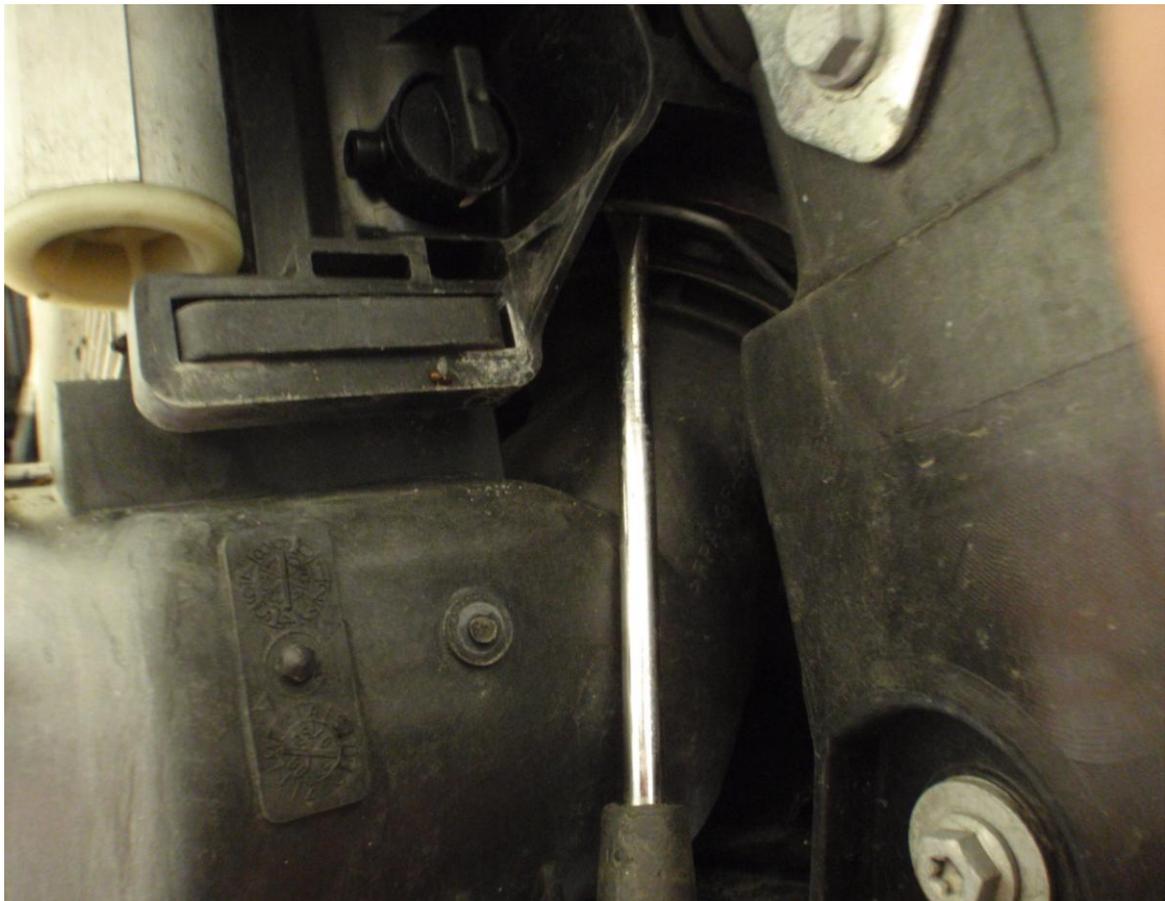
Place the bumper away from the car ,and remove the side ducting down each side of the condenser and the top ducting that was underneath the bumper top edge .The side ducting is clipped to the ducting on the front edge ,and held in place with clips on the slam panel that can be pushed out with a screwdriver.



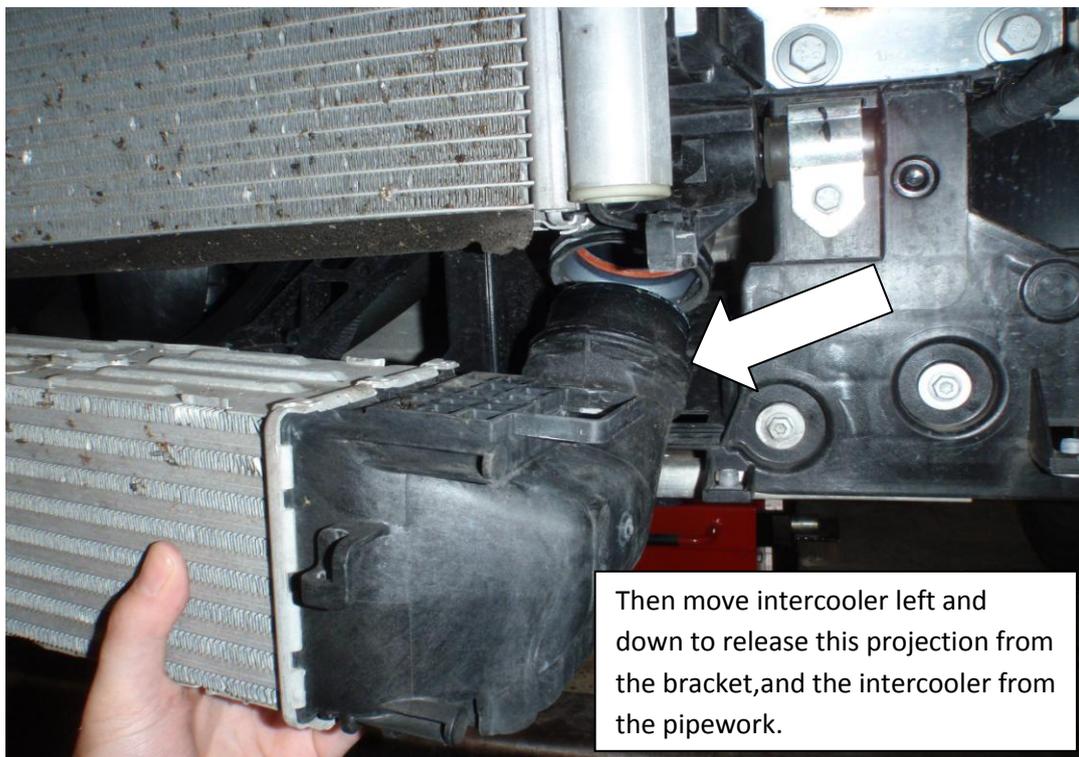
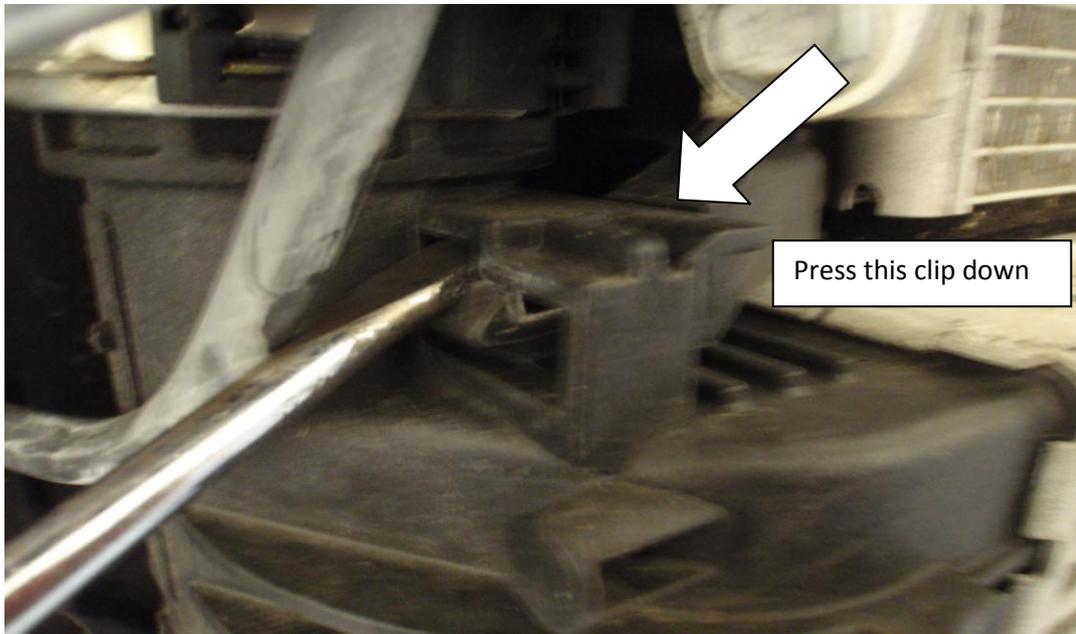
9. Unclip the electrical connection to the horn by squeezing the metal retainer ,and remove the single 10mm nut holding it to the crash bar.



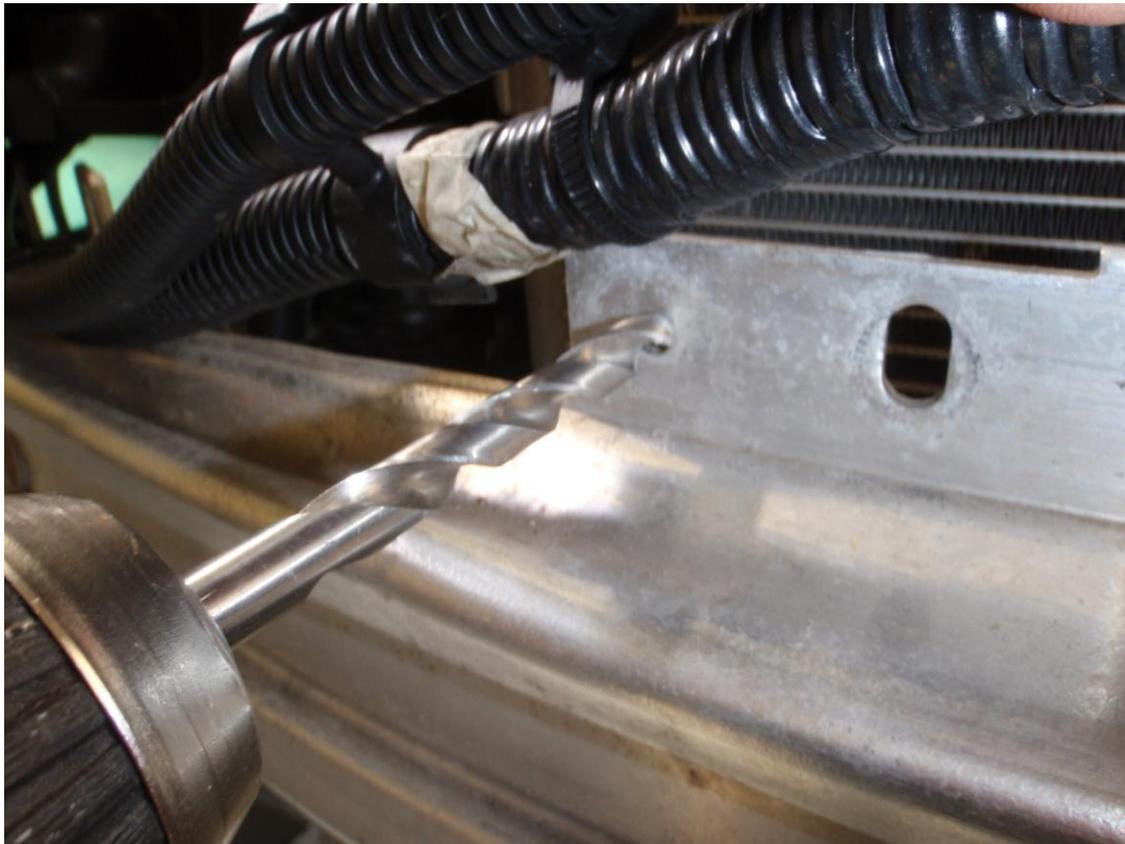
10. Use a flat headed screwdriver to prise the retaining clip out of the passenger side intercooler intercooler. When its out far enough it will 'click' into place.



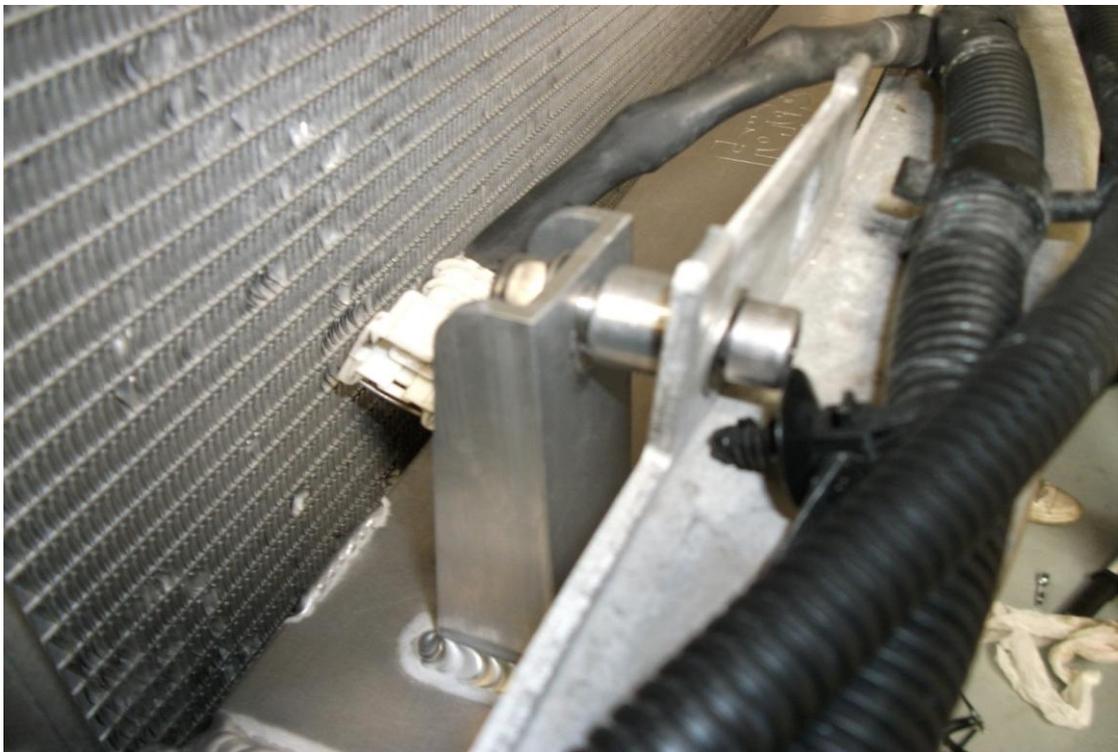
11. On the drivers side of the intercooler ,depress the clip holding the intercooler to the car with a flat bladed screwdriver.At the same time ,push the intercooler to the left (looking from the front of the car)to release from the bracket on the passenger side ,then pull down to release the passenger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



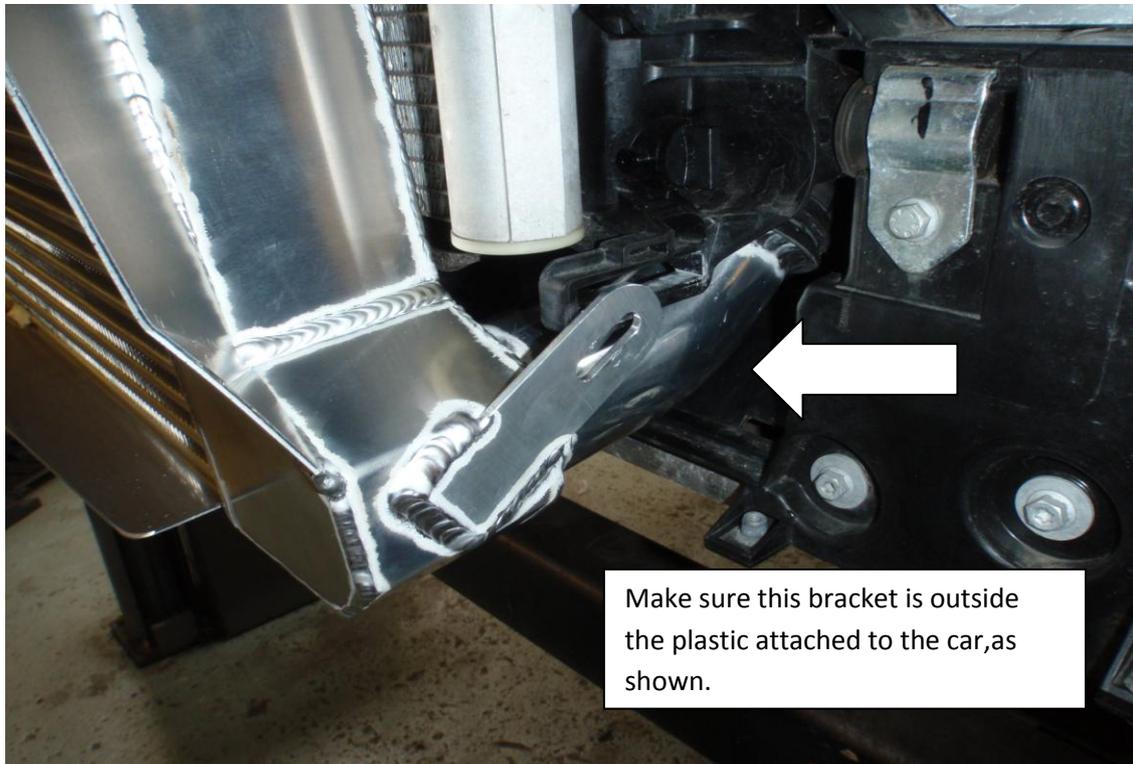
12. Use needle nosed pliers to remove the furthust left clips that that hold the wiring to the crash bar (it should still be held in the middle).Drill the holes out to 9 mm each end .



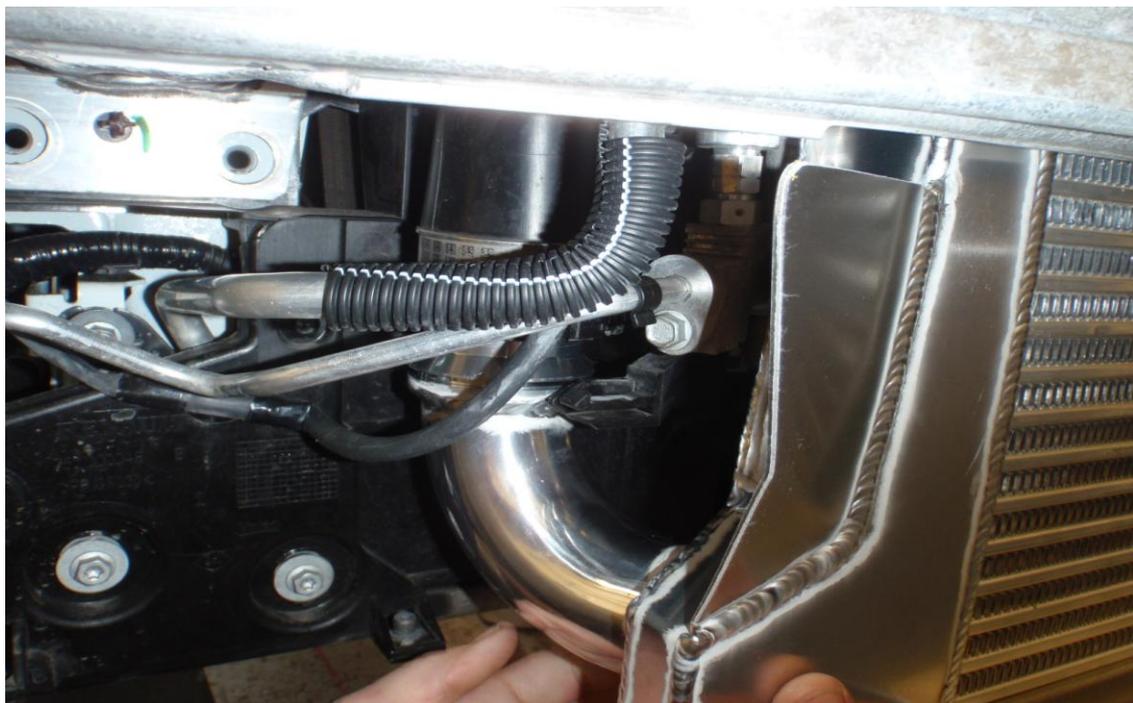
13. Offer up your new intercooler to the car as shown below,tilting the intercooler makes it easier to get behind the crash bar .There are two brackets on top of the intercooler line these up with the 9mm holes you earlier drilled in step 12. Use the two m8x30 allen head penny washers and nyloc nuts including the two small aluminium spacers provided .leave these loose until youve completed step 14.



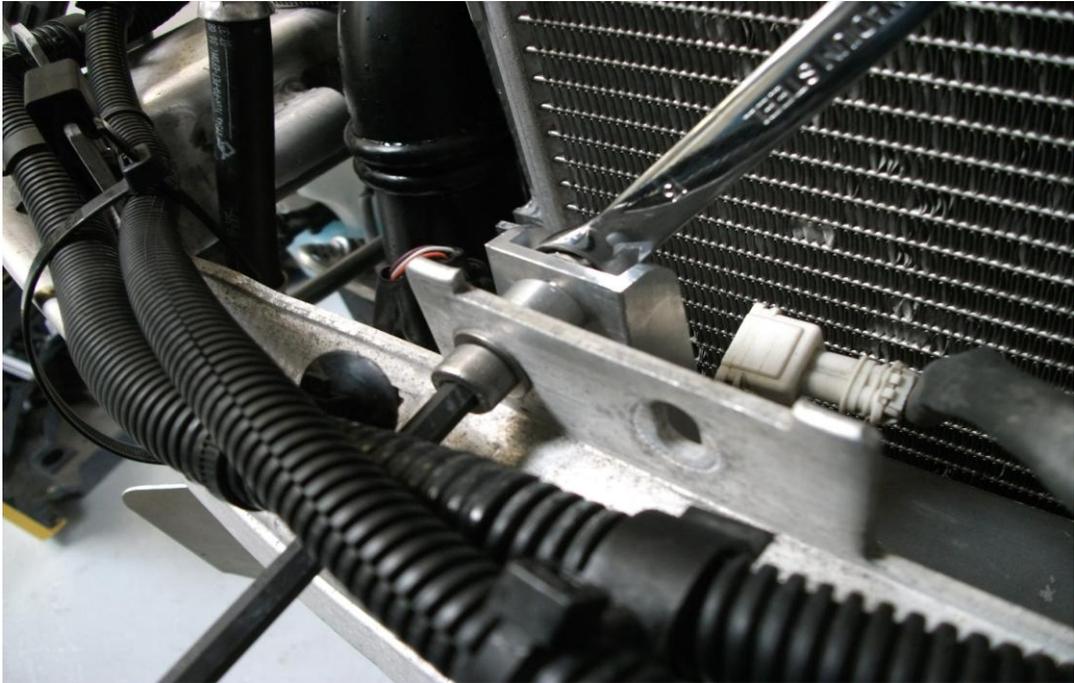
14. Push the passenger side into the hose first, until you hear a click signifying that the retaining wire clip is seated correctly in the recess of the connector. Make sure that the bracket shown below is on the OUTSIDE of the plastic attached to the car.



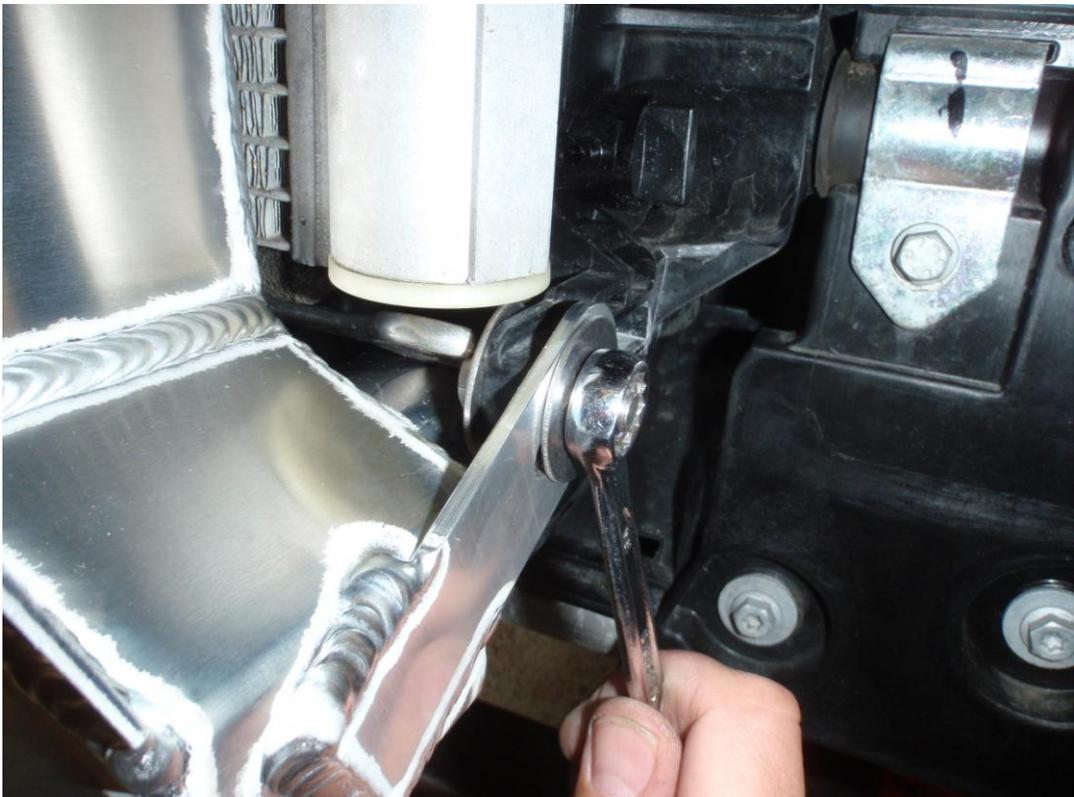
Now push the drivers side into the hose in the same way, making sure you here the click from the retaining wire.



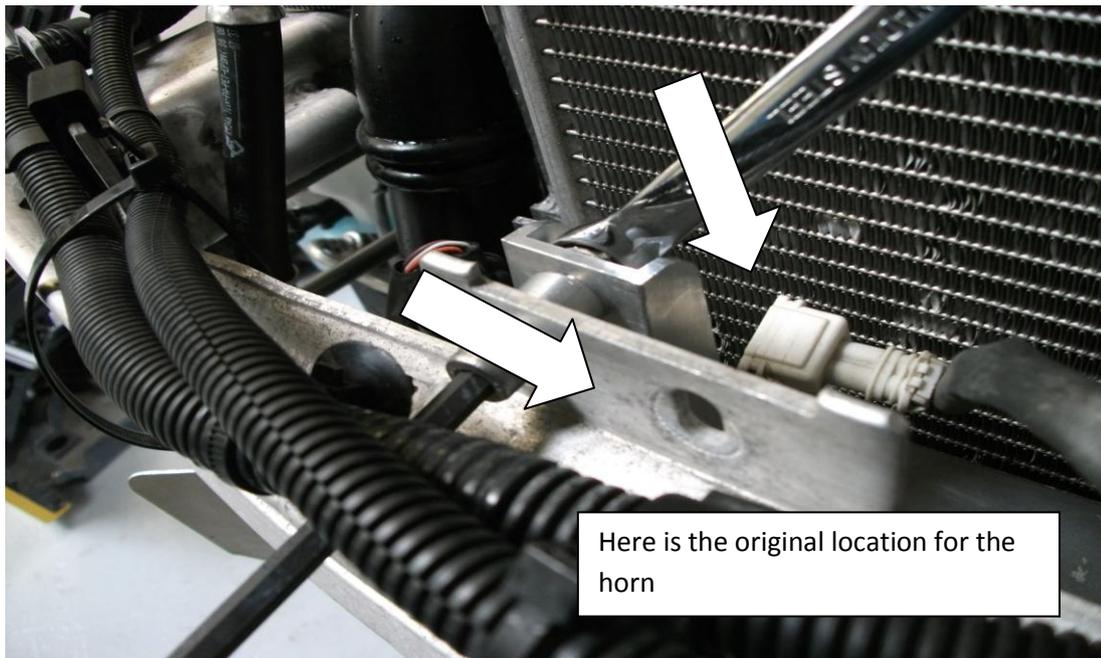
15. Now tighten the two m8 x 30 allen caps from step 13 using a 6mm allen key and 13 mm spanner.



16. Now tighten the lower bracket using the m8 x 25 bolt ,penny washers and nyloc nut provided.



17. Now refit the horn into the original location refit the horn plug into the loom.



18. Your intercooler should now be fitted and bolted in securely .the plastic side ducting is left out on this installation therefore 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 .



We suggest if you are using your vehicle for serious track use you should also explore other routes to keep engine temperatures down and help your engine work as efficiently as possible ,please look at the other great cooling products we make for the Renault megane RS250 as well as our blow off valves and performance actuators.



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