



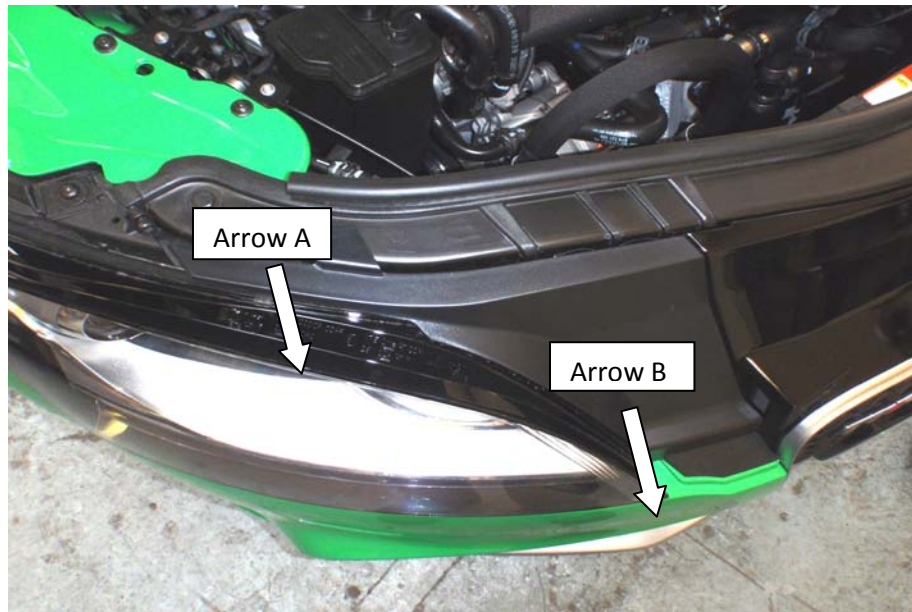
AUDI TT RS FRONT MOUNTED INTERCOOLER INSTALLATION



Tools needed:

- T20 screwdriver/bit
- T25 screwdriver/bit
- T30 screwdriver/bit
- 10mm deep reach socket and suitable ratchet
- Sharp Stanley knife or Dremel
- Brake pipe/hose clamp
- Jack and axle stands

STEP 1



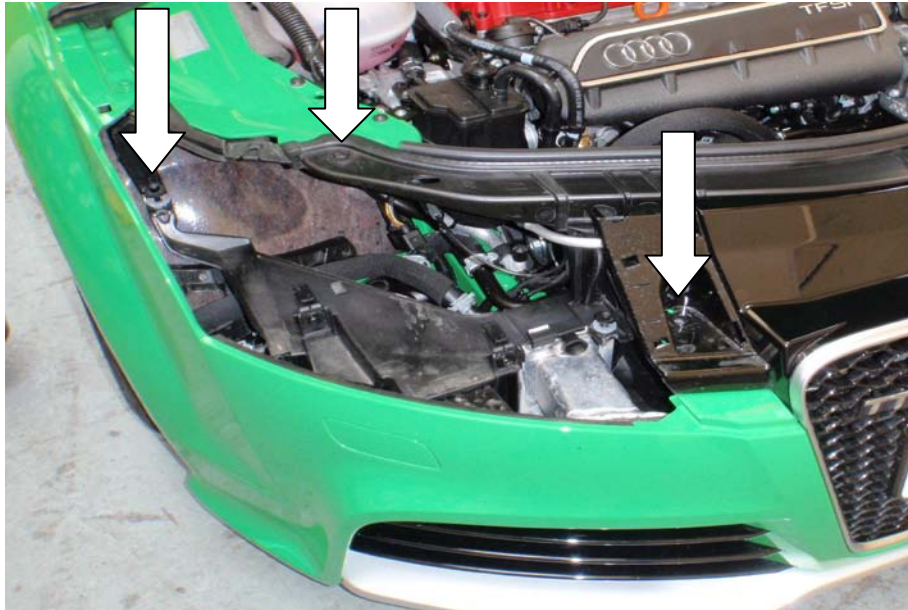
Park vehicle securely, jack the front of the car and support on axle stands so that the front wheels are clear of the ground ,raise the bonnet. Now remove the two plastic trims which cover the lights by pulling the trim in the direction indicated by arrow “A” from under the slam panel. Then pull off cover in the direction of the arrow “B” to completely remove the trim.

STEP 2



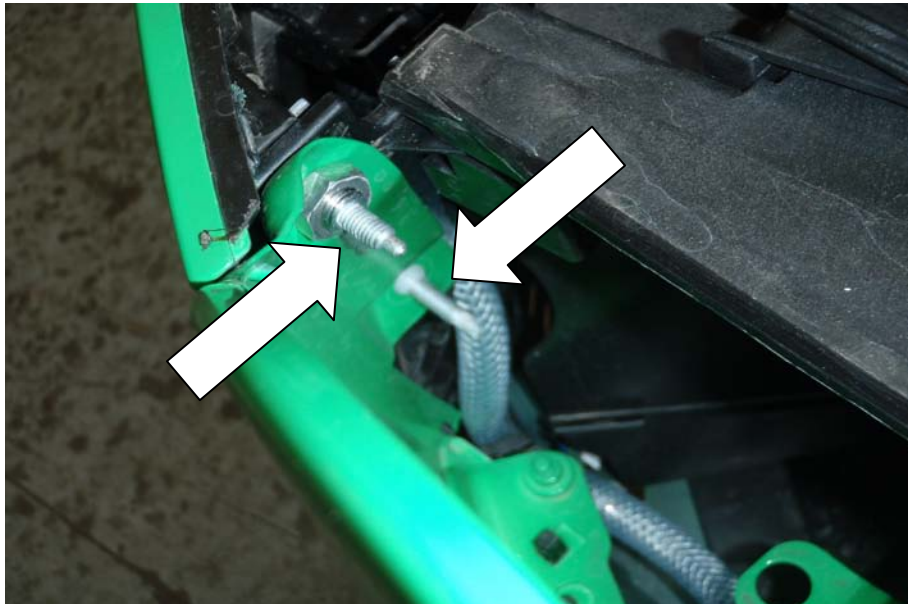
Now the covers have been removed you will be able to see the back of the light. Unplug the connector from behind the headlight on the passenger side, by pushing down where indicated and pulling the plug backwards in the direction of wiring. Repeat for the drivers side headlight.

STEP 3



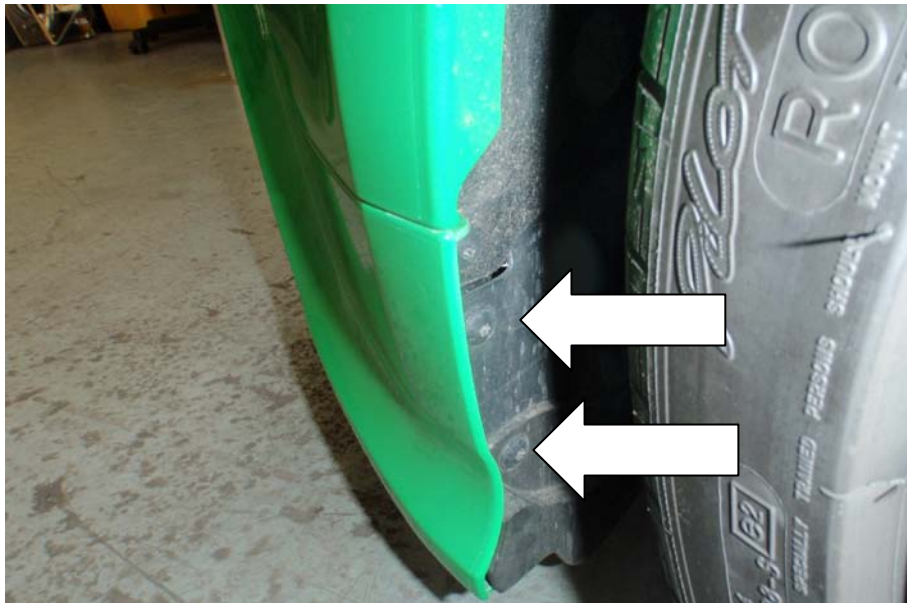
Undo the three T30 screws retaining the headlights, these can be seen by looking directly down on the headlights. The one to the left and the one to the right only need to be loosened, whereas the one in the middle will need to be taken out.

STEP 4



Now the lights have been removed you will be able to see where the wing and bumper are bolted together. Remove the two 10mm nuts which hold the bumper to the wing, and repeat this on the driver's side.

STEP 5



Remove the two lower T25 screws connecting the bumper to the arch liner. You will need to turn the wheels on full lock to gain access. Repeat on both sides.

STEP 6



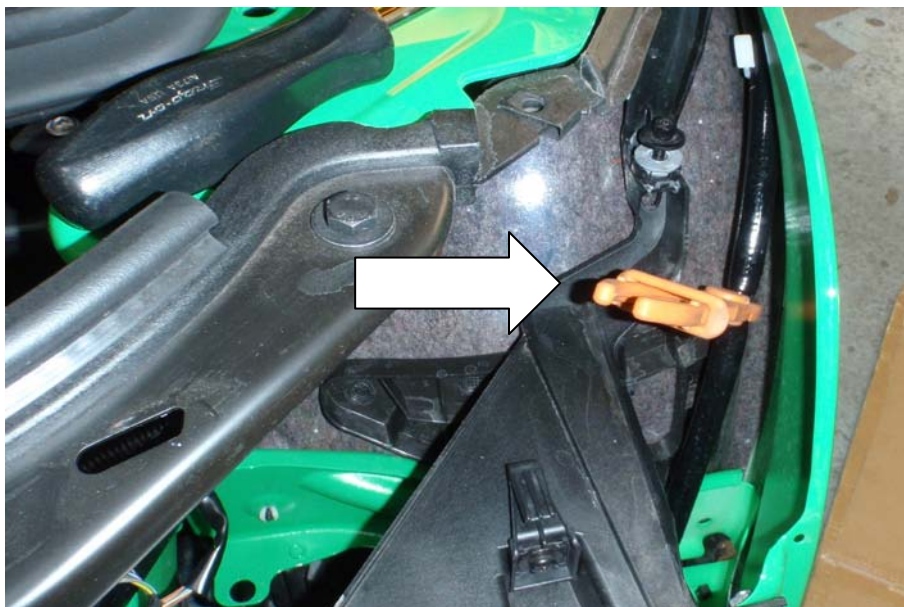
This is the view from under the car looking up at the bumper and under tray. Now remove the four T25 screws that connect the bumper to the undertray.

STEP 7



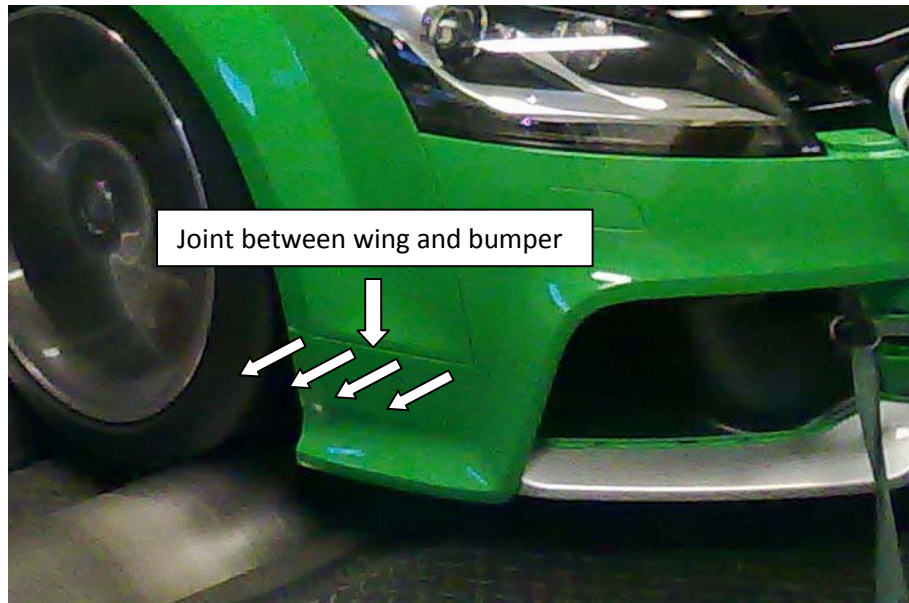
Remove two T25 screws to the far left and right of the four screws you have just taken out. These go through the bumper into the under tray .

STEP 8



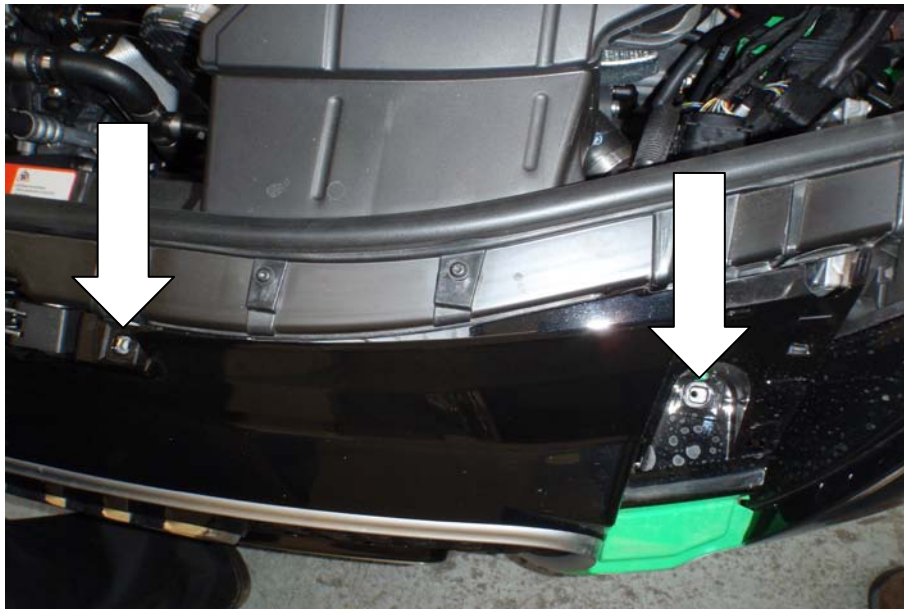
In order to remove the bumper you will need to disconnect the headlight washers to prevent spilling the screenwash where you are working. We suggest clamping the pipe !

STEP 9



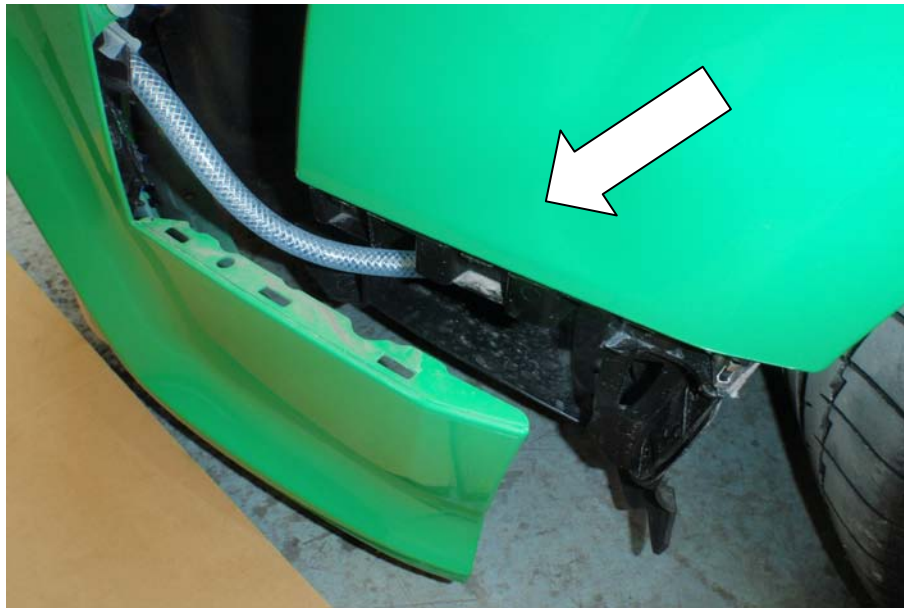
The bumper is clipped in between the the lower wing and upper part of the bumper.
By applying even but very firm pressure from behind the bumper, pull it away from the wing taking care not to bend the bumper too much as this can crack the top edge of the bumper.

STEP 10



Looking down on to the slam panel you will see the last four T30 screws holding the bumper on, Remove these taking care as your bumper will now have nothing holding it on to the car.

STEP 11



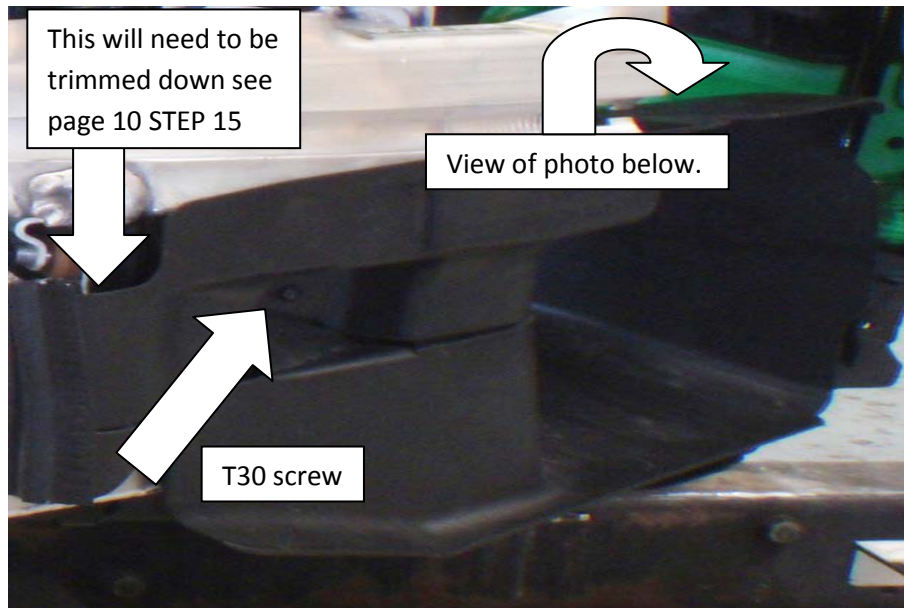
Pull the bumper forwards by approx six inches this will give you room to get to the connection of the headlight washers. Pull the yellow tab up and pull connector apart.

STEP 12



Now your bumper can be completely removed .

STEP 13



Remove the passenger side ducting by removing the T30 screw as shown above.

STEP 14



Remove the T25 screw holding the back part of the ducting. Pull the small plastic clip out from its hole. This can not be seen on the photo above and is hard to see on the car. On the the next page (PHOTO A) you can see the hole in the frame and in (PHOTO B) shows the clip on the ducting.

PHOTO A

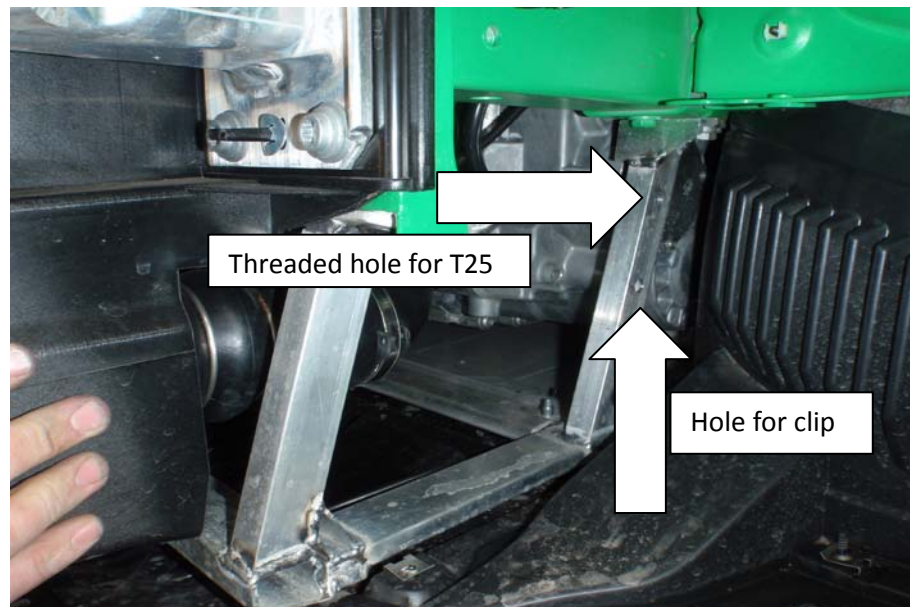
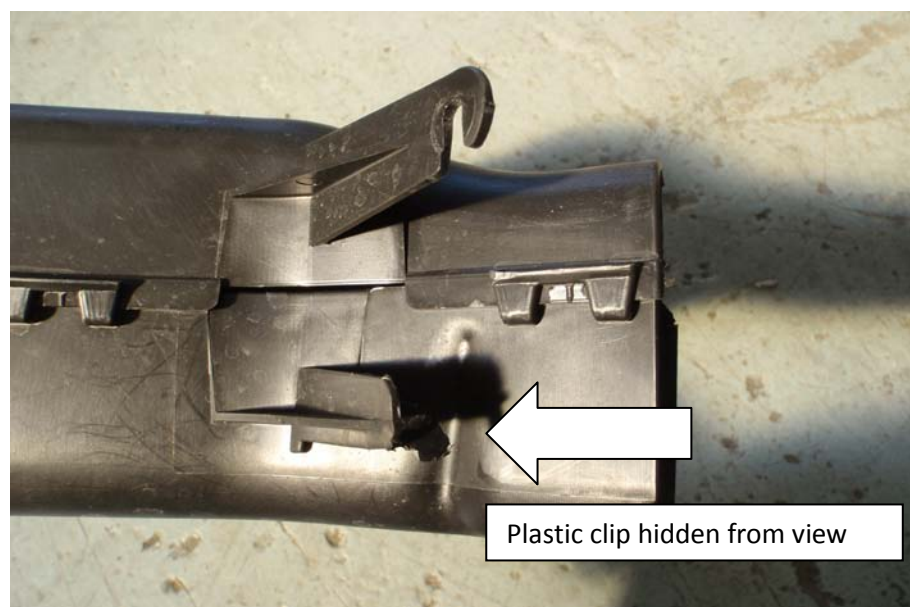
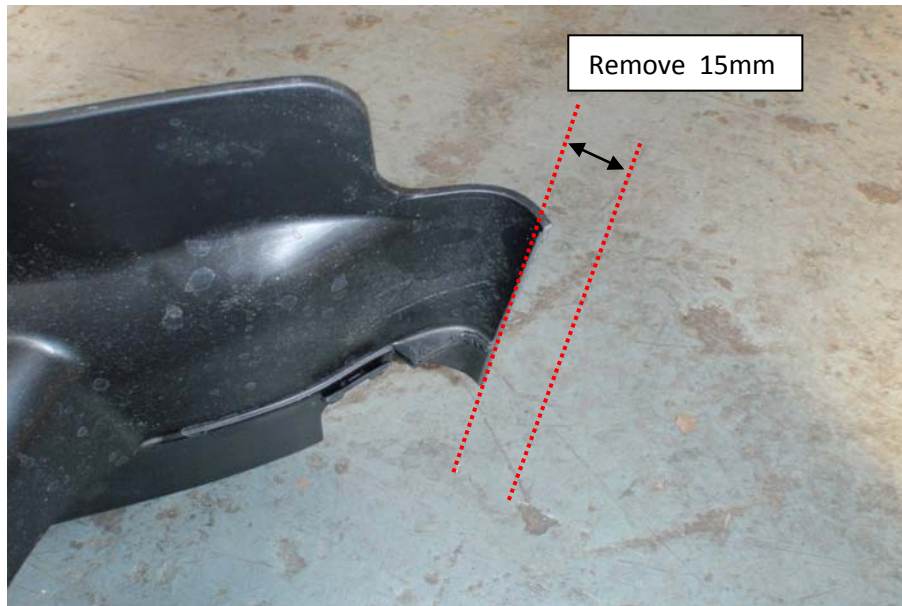


PHOTO B

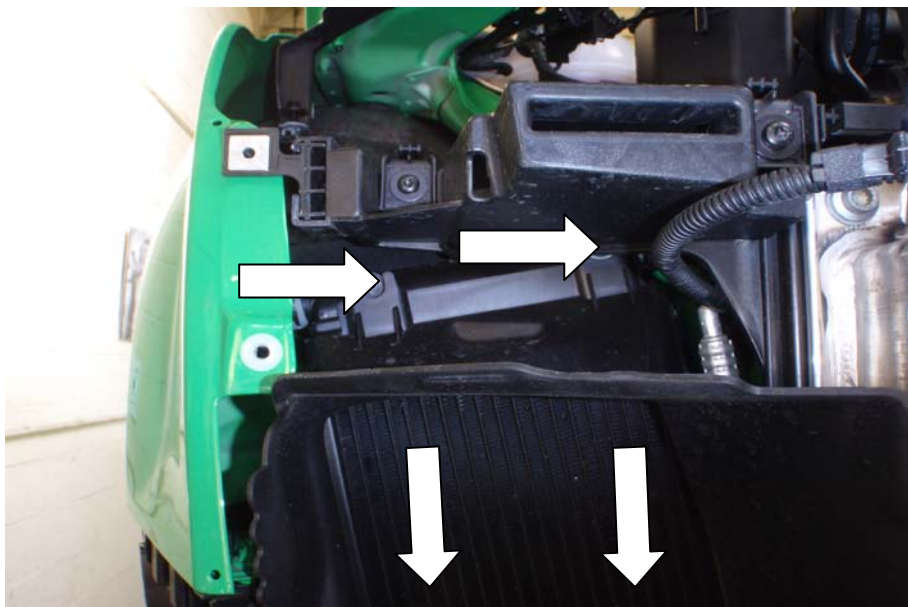


STEP 15



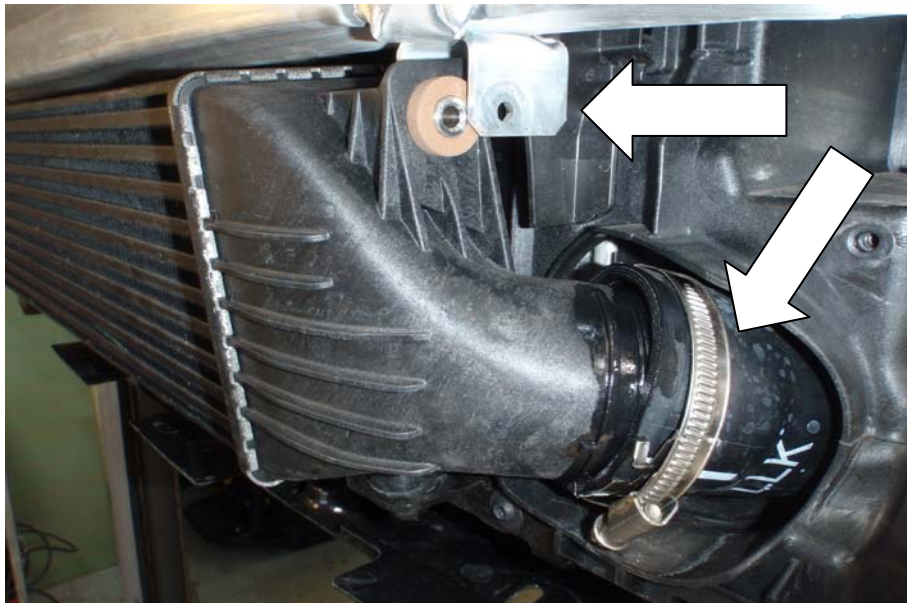
The duct will need to be trimmed down so the new intercooler will fit , mark 15mm back from the edge and with a sharp knife or dremel cut this section off and re-attach the rubber trim.

STEP 16



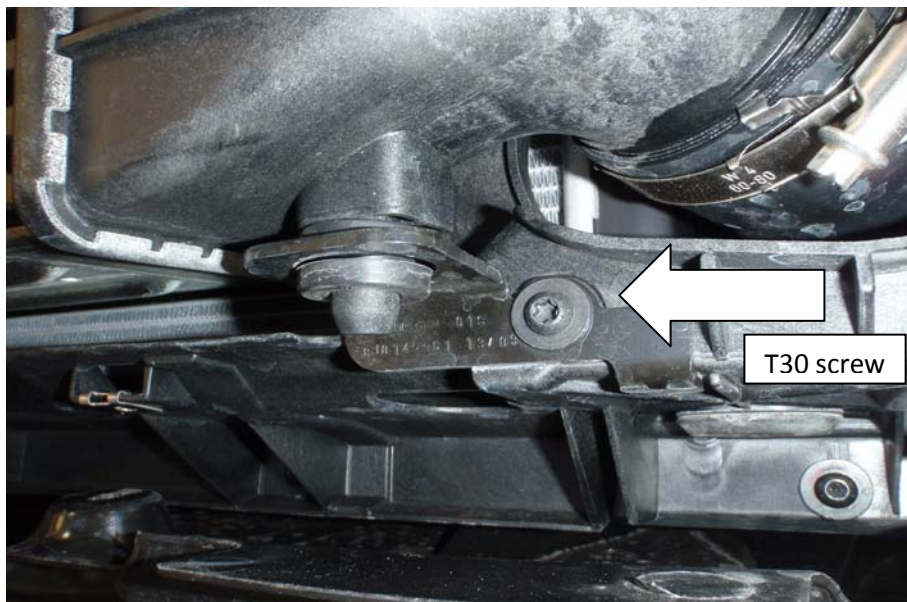
Now remove the drivers side ducting by loosening the top two T30 screws and removing the bottom two T30 screws .Then push the duct down and pull it out.

STEP 17



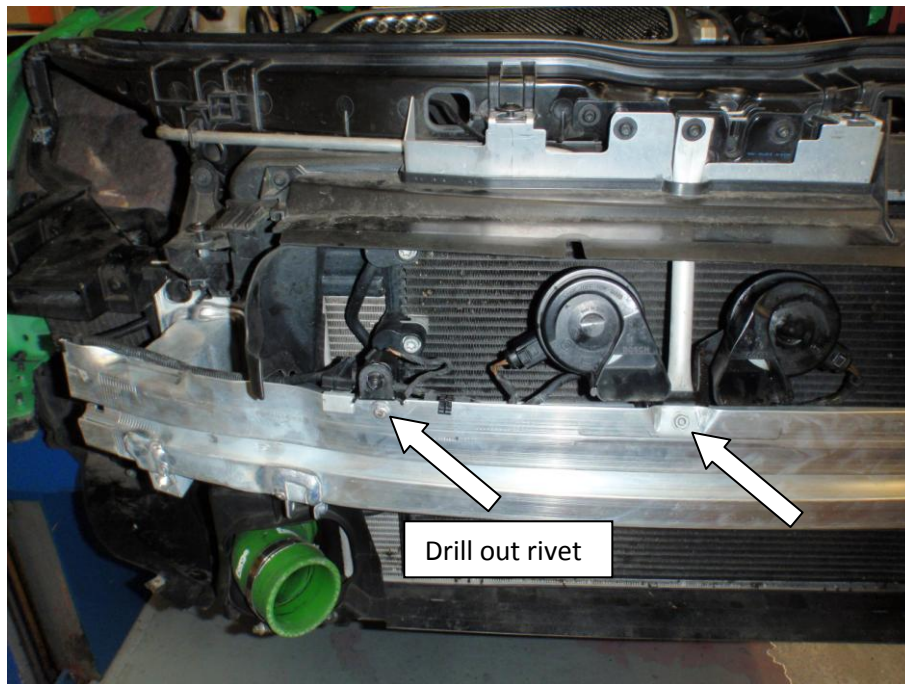
You can now take out your intercooler undo the two T30 screws indicated and undo the two jubilee clips .

STEP 18



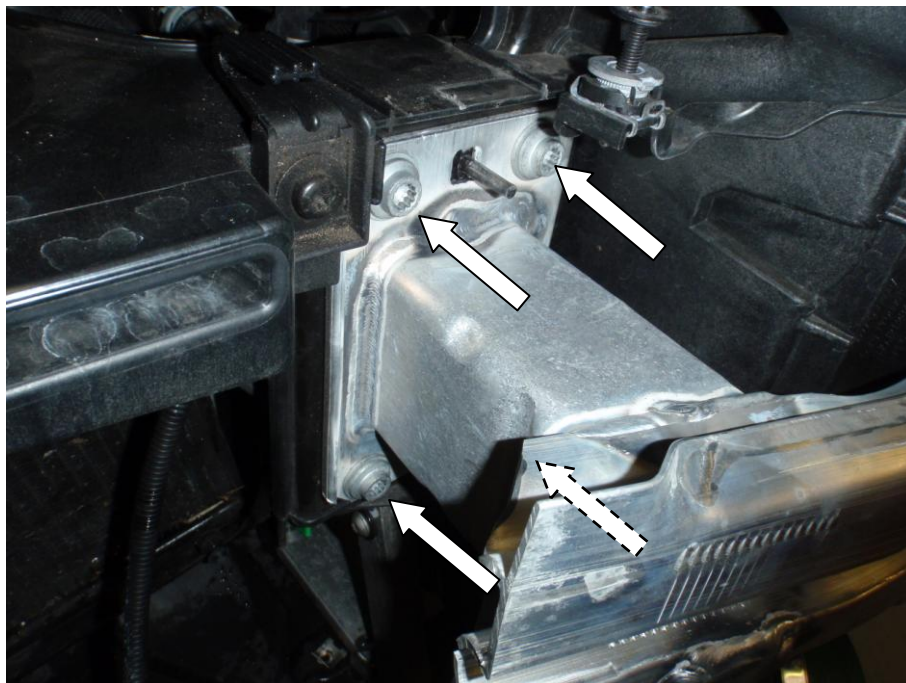
Under the intercooler there are two brackets that are held in by T30 screws remove but keep these close buy as they will be reused .The intercooler can now be removed .

Step 19



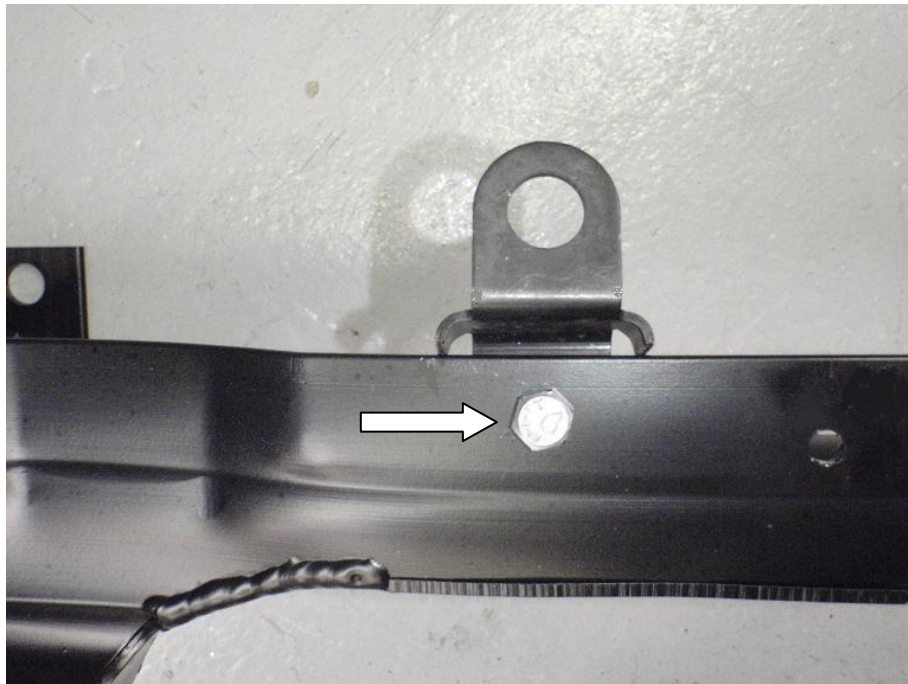
Unclip the wiring under the 10mm bolt and remove the horns. Using the drill bit supplied in the kit drill through the rivet holding the air temperature bracket.

Step 20



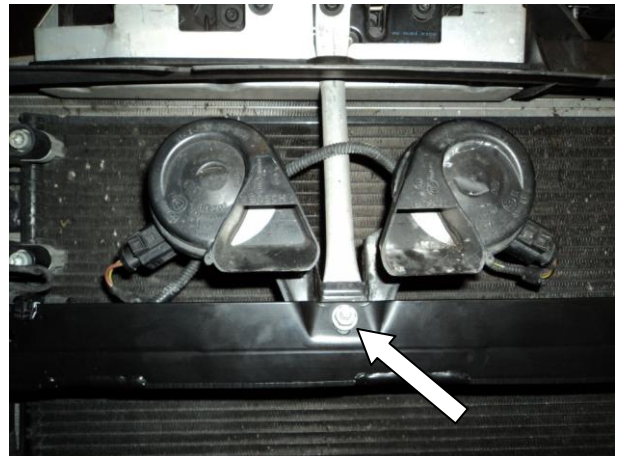
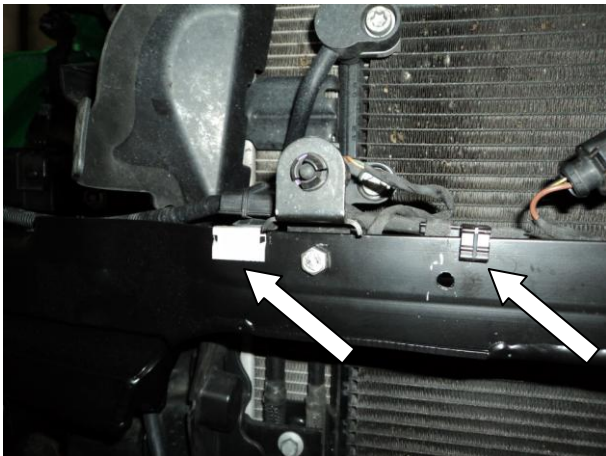
Undo the four bolts at each end and remove the crash bar.

Step 21



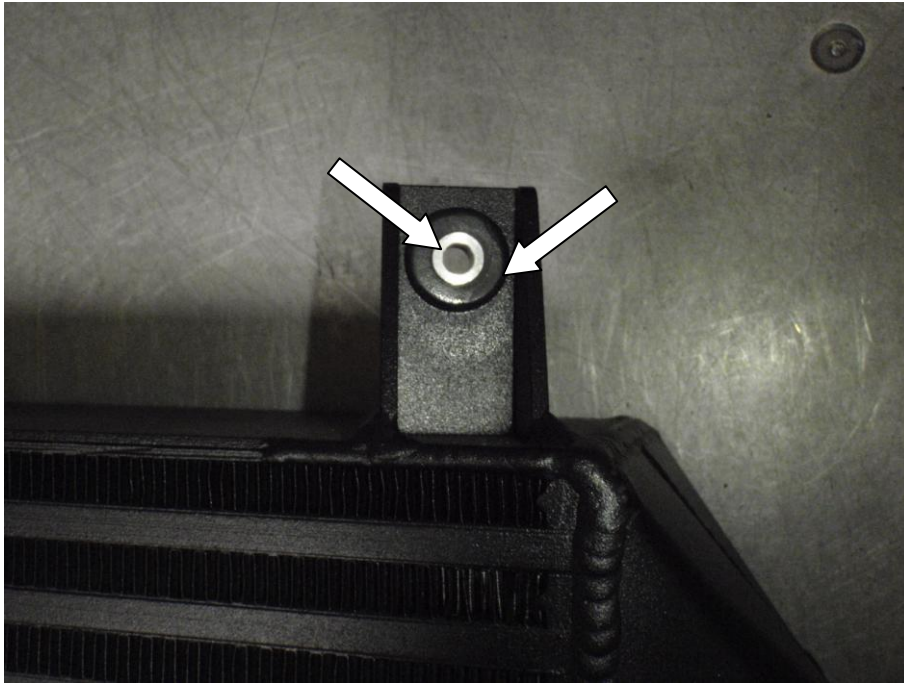
Attach the air temperature bracket to the new crash bar using the bolts supplied.

Step 22



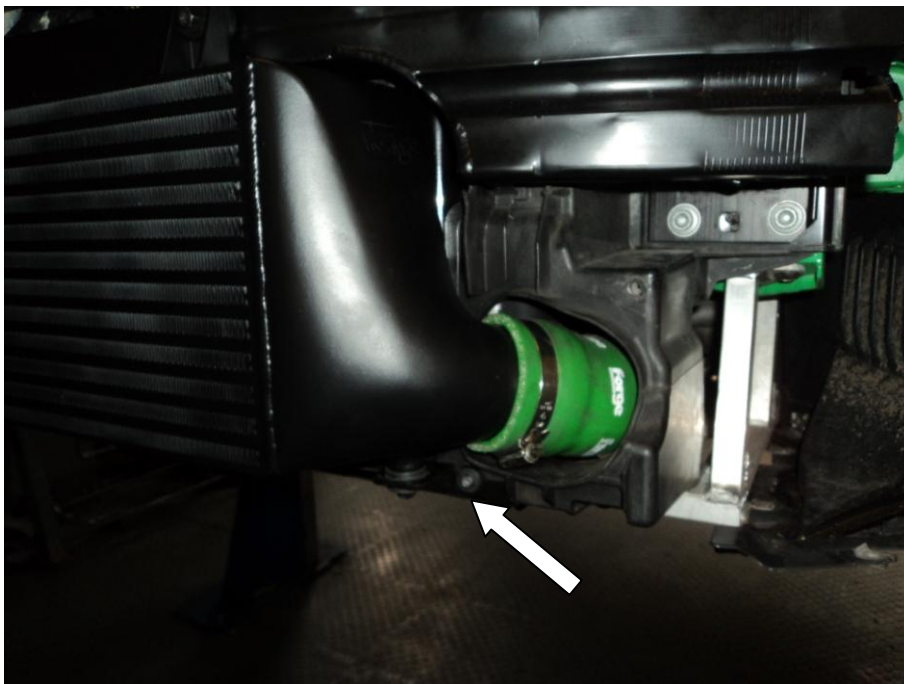
Replace the wiring and horns in the reverse order of step 19.

Step 23



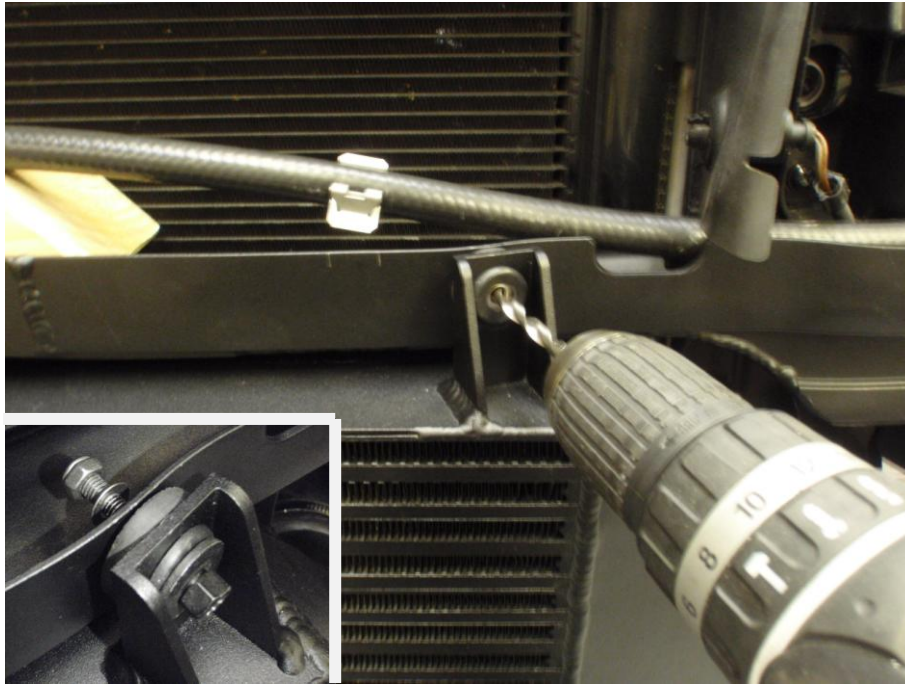
Insert the rubber grommets and aluminium sleeves into the intercooler, these are supplied in the kit.

Step 24



Place the uprated intercooler in position, attach the hoses and replace the existing intercooler brackets.

Step 25



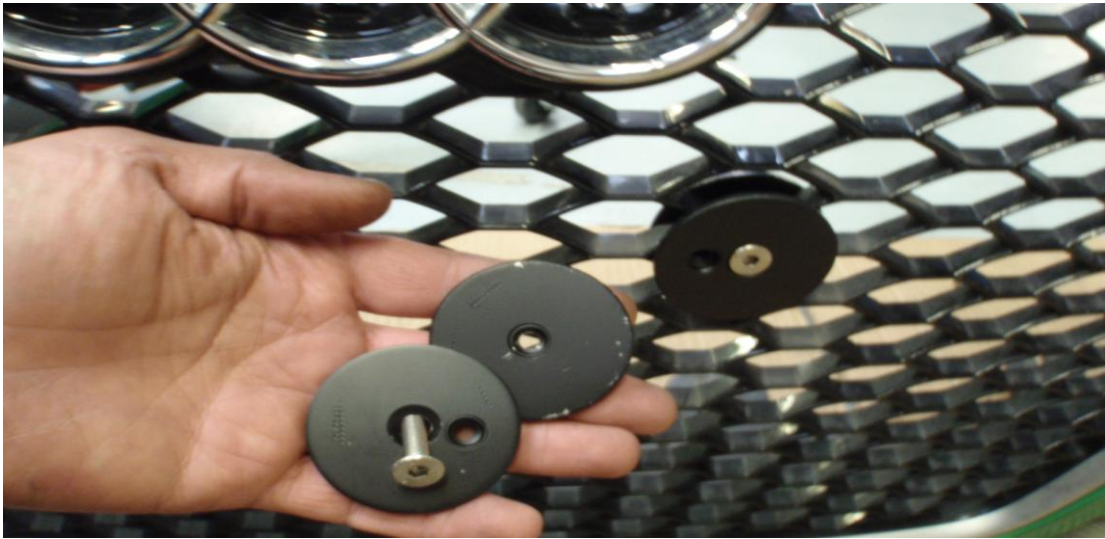
Now the intercooler is in the correct position drill two holes with the drill bit supplied in the kit. Using the bolts from the OEM intercooler and the nuts and washers supplied attach the intercooler.

Step 26



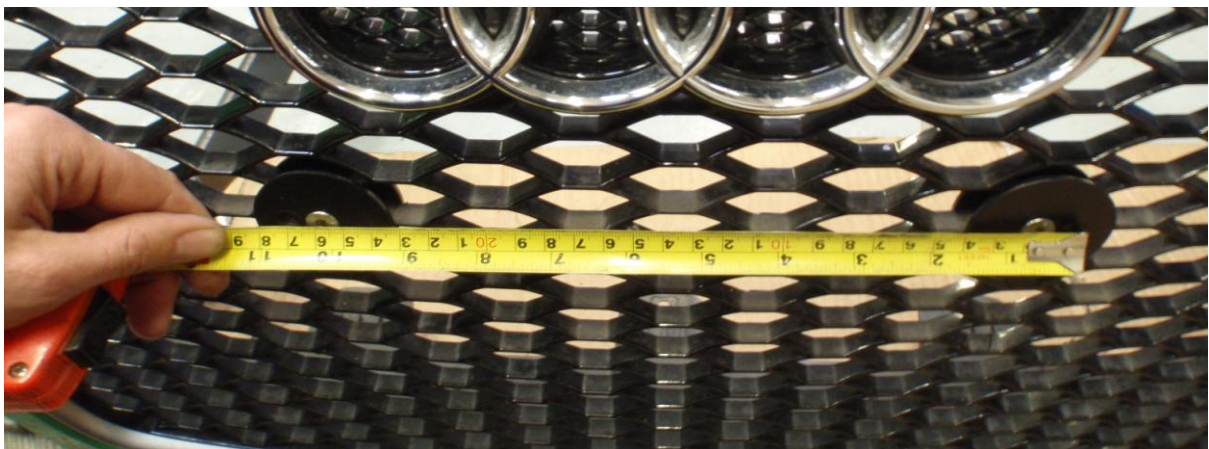
Using a dremmel or another suitable tool to cut through the plastic trim behind the number plate.

Step 27



Place the two discs with one hole in the center behind the grill, and the two disc's with two holes in front of the grill into the correct position as shown below. Using the counter sunk bolts fix in position.

Step 28



Measure between the new number plate fixings transfer onto the number plate. Drill new holes or move the disc's around until they match up with the existing holes. Using the number plate bolts install the number plate.

Step 29



Now follow steps 1 to 18 in reverse order and your instalation is complete.

You may also be interested in these other Forge products for the Audi TTRS, available from your nearest Forge dealer :



High flow BOV and inlet pipe
(Recirculation, atmosphere and high horse power)
Silicon hoses (longer life and durability)
Braded brake lines (improves efficiency and strength)



ENGINEERED FOR PERFORMANCE

