

Mini Cooper-S Up-rated Air to Air Intercooler

Fitting Instructions.

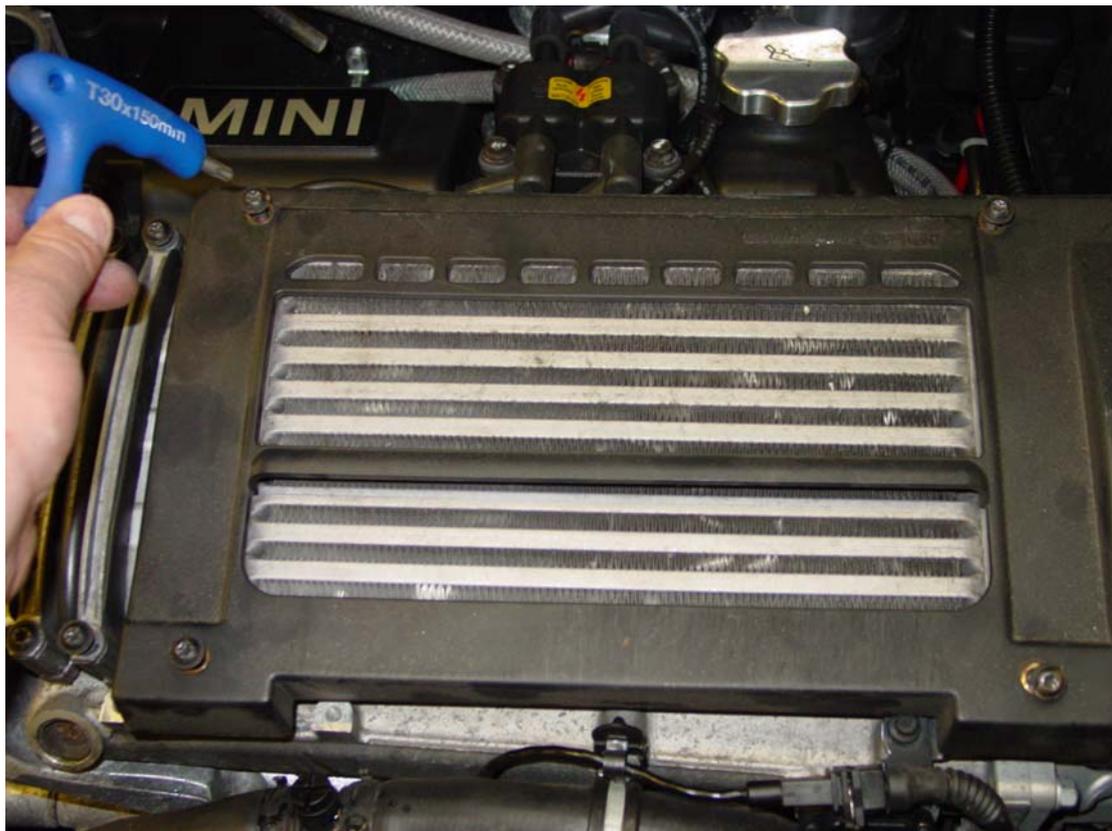
*Tools required = ¼ Drive Socket Set with Torx bits.
Screwdriver set.
Magnetic Dish.*

Raise bonnet to allow access to Intercooler, we suggest the engine is cold before any work is carried out on the vehicle.

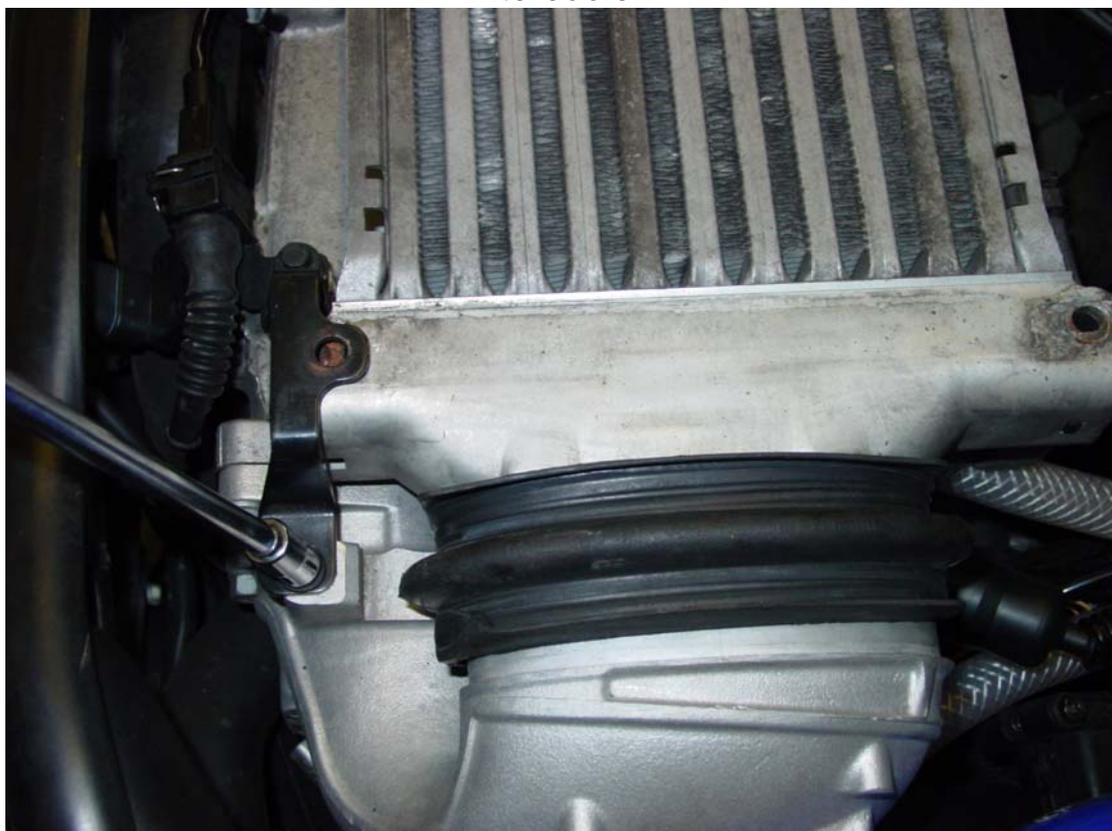
You will need to remove the inner Air duct from inside the bonnet, this is done by removing the two small nuts and washers which secure the outer Air Scoop to the inner Air duct located at the back of the outer Air Scoop. You will also need to remove the two self-tapping screws that secure the back edge of the inner Air duct to the underside of the bonnet. With the inner Air duct removed you can now re secure the outer Air scoop back onto the bonnet with the two nuts and washers that you removed earlier. It is important that the inner air duct is removed before fitting of the up rated Air-to-Air intercooler is completed, failure to remove the duct will cause damage to the Intercooler and bodywork.

You are now ready to remove the standard intercooler, taking care not to allow any foreign bodies to fall into the exposed pipe work.

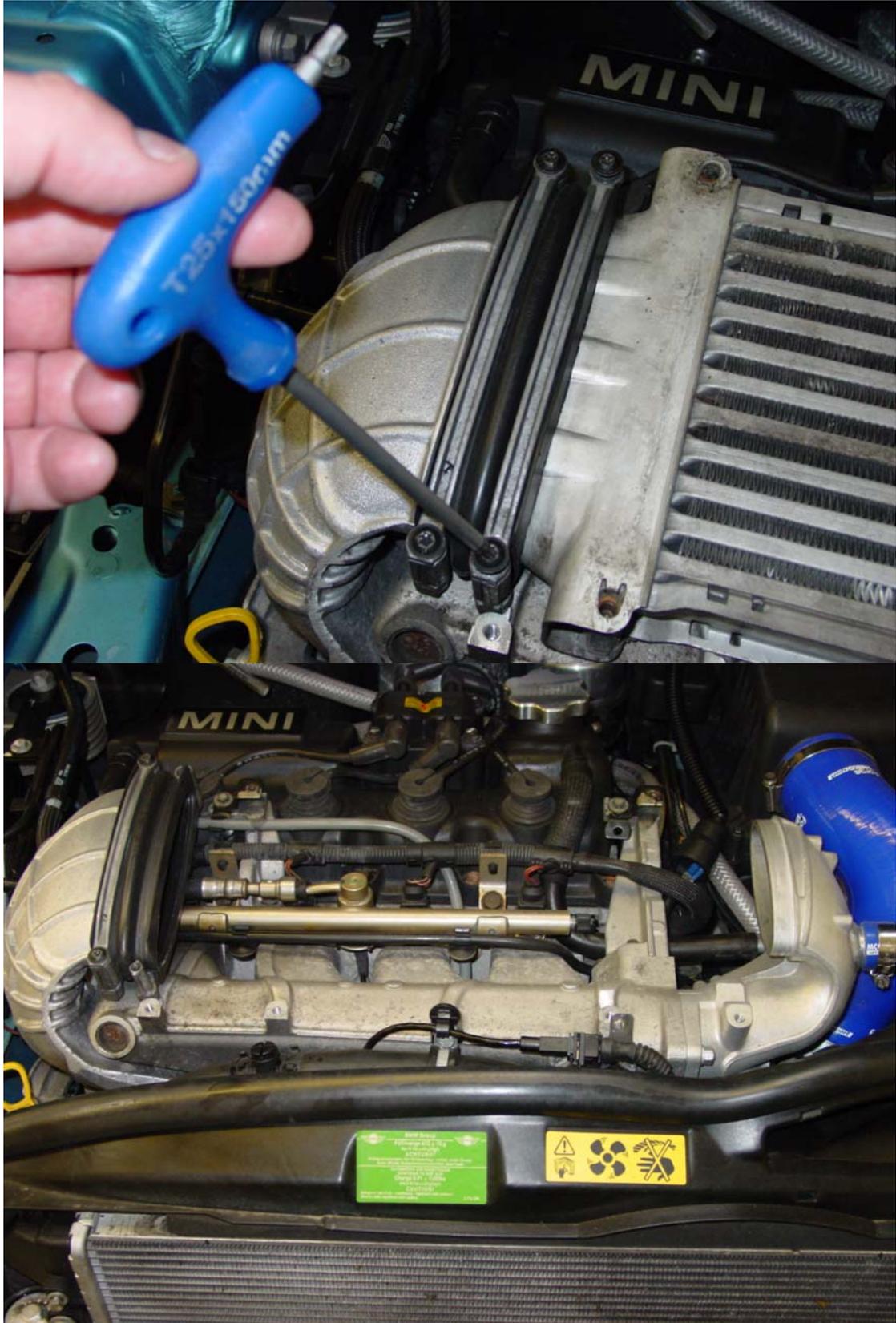
Remove the outer Plastic Intercooler guard by removing the four Torx bolts.



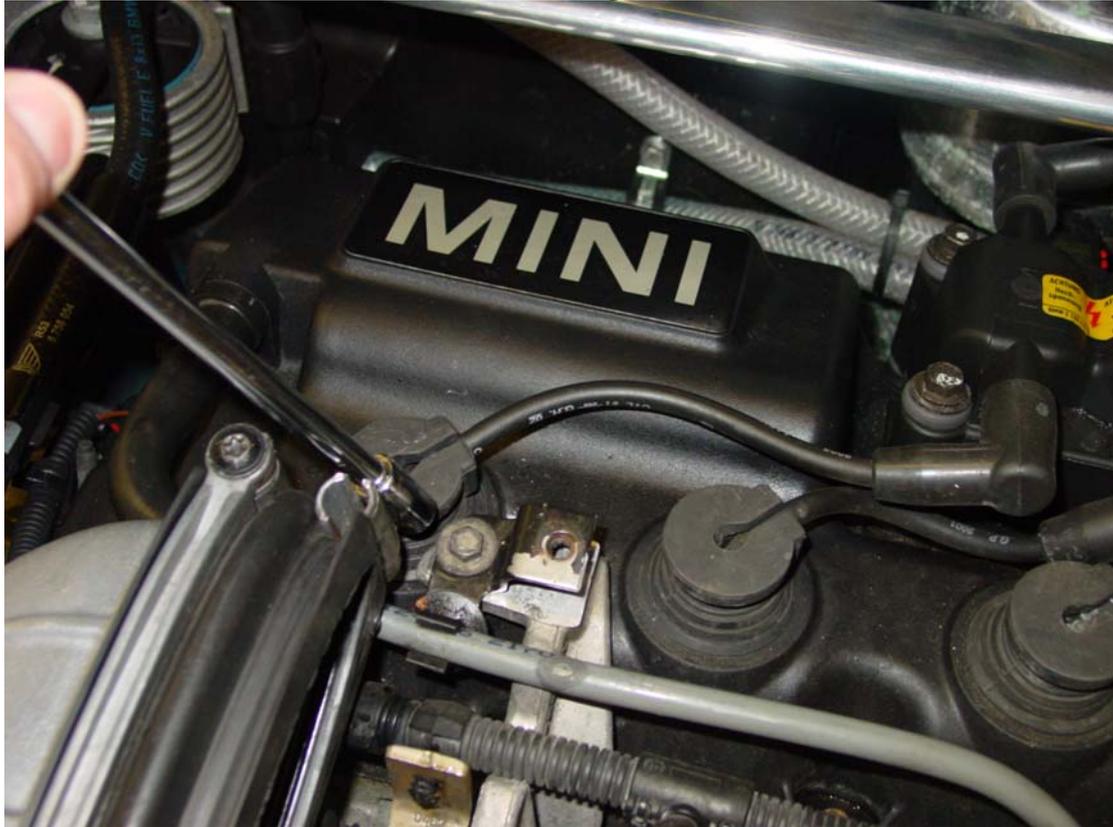
Now remove all of the steel support brackets from around the intercooler.



Remove three of the four clamps that secure the rubber-convoluted hoses, and then remove the Intercooler.



Remove the two steel brackets from the top of the Engine that used to secure the original intercooler.



You are now ready to fit your Up-rated Air to Air Intercooler, care should be taken not to damage the rubber convoluted intercooler pipes when re fitting them.

Insert the left hand intercooler pipe into the rubber-convoluted pipe first, then fit the Right hand pipe onto the other end of the Intercooler. Gently lower the Intercooler down onto the other pipe whilst feeding the other end of the rubber pipe onto the cast inlet pipe. **** DO NOT use a screwdriver to fit the rubber pipes **** Before securing the clamps ensure that the convoluted pipes are located correctly. Re-use the original Intercooler bolts to fix down the two front mountings on the uprated intercooler as per the arrows in the picture below. Tighten all the clamps check all fittings remove all tools from the engine bay, you are now ready to drive the car.

