



Fitting guide for the Airtec BMW Mini R53 Top Mount Intercooler

As with all modifications, please inform your vehicle's insurer that the Airtec intercooler is on your vehicle.

This article is sold without warranty expressed or implied. No warranty or representation is made as to this product's ability to protect the user from injury or death. The user assumes that risk. The effectiveness, warranty and longevity of this equipment are directly related to the manner in which it is INSTALLED, USED, and/or MAINTAINED. THE USER ASSUMES THE RISK.

Fitment of Orranje/Airtec products to vehicles that are subject to a manufacturer's warranty may void the manufacturer's warranty and the vehicles ability to meet emission or other transport regulations.

By purchasing this product and opening the packaging, purchasers expressly acknowledge, understand and agree that they take, select and purchase these Orranje products from Orranje, its affiliates, distributors, and agents (collectively, Orranje) "as is"and "with all faults".

The entire risk as to the quality and performance of these Orranje parts is with the purchasers. Should the goods prove defective following their purchase; the purchasers assume the entire cost for all necessary servicing or repair or any resulting liability. Working on your car can be a dangerous activity. If you are unsure of what you are doing, please leave mechanical or Safety critical work to a skilled mechanic.

We take no responsibility for the incorrect use and / or installation of Orranje products.

www.orranje.co.uk

READ OUR FITTING INSTRUCTIONS CAREFULLY

Tools Required for correct installation of your Airtec intercooler

- Tor-x screwdriver set
- Posi-drive screwdriver PZ-2
- Socket set – 8mm socket, 10mm socket
- Allen key set
- Cleaning wipes to clean engine bay as you go along

Step One

Starting point, the stock engine bay – Assess the job in hand and read through instructions thoroughly first before undertaking the installation of your new Airtec top mount intercooler.



Please note, the removal of the under bonnet insulation is not required to install your Airtec top mount intercooler.

Step Two

Undo the four tor-x bolts around the perimeter of the OEM intercooler



Then remove the stock intercooler air diverter. It may be stuck down with some added rubber pads, gently pull the intercooler away and it will release from the tabs. You will be left with the following -



Step Three

Undo the two bolts on each of the four clamps that lock the intercooler snoot boots in place. Then remove the clamps and boots.



Step Four

Undo the four bolts holding the two front brackets in place and remove the brackets. You will also need to remove the rear two brackets from the engine bay.



Step Five

Re-attach the bracket at the front holding the sensor back in place



Step Six

Re-align the snoot boots and clamps back into place. You will need to pull the left hand side thoroughly over the horn in order to be able to fit the Airtec unit in place. Ensure that the clamps have the threaded section of the clamp on the underside of the snoot boot.



Step Seven

Slide your new Airtec intercooler into place. Posting the left hand side into the snoot boot first ensuring the boot is sealed all the way around. Then drop the right hand side down and pull the right hand boot back over the right hand side of the intercooler.. Once again ensure that the seals are sitting correctly around both the intercooler and the horn. This is something you can do by feeling around it ensuring there are no twists in the rubber and that no sections of the boot are folded in.



Step Eight

Locate the two brackets at the front of the intercooler into their respective fixing holes and fix them in position





Then re-attach and tighten the clamps on both sides of the intercooler.

Step Nine

Undo the two Pozi-drive screws on the underside of the bonnet air diverter.



Then undo the two no.8 sized nuts from the underside of the bonnet diverter. These are located next to the scoop entry on the inside of the bonnet. Take care not to force these nuts as they are held in place by small sections of plastic on the underside of the bonnet scoop.



Once the diverter is removed, re-attach the two nuts to hold the air scoop firmly in place.

This is what you will be left with – Remember you don't need to remove the rest of the under bonnet sound insulation to install the Airtec.



Step Ten

Stand back and admire your newly installed intercooler



Final steps

Before closing the bonnet properly, gently test close the bonnet to ensure that the Airtec unit doesn't foal against the underside of the bonnet. Due to the way the seal is created by sealing against the underside of the bonnet it can be a tight fit. You may need to raise the bonnet catches slightly to ensure that the bonnet closes properly.

Do not slam the bonnet shut until you have tested thoroughly for correct fitment with the Airtec, failure to do so could result in damage to the bonnet and/or Airtec TMIC.



Please note the Airtec TMIC does not work in conjunction with the TSW engine mount due to the nature of the mount's design altering the engine position and height.



It does, however, work with the Vibra-Technics range of engine mounts.

Left blank for your notes