

F8x M3, M4 & M2 Competition Induction Kit Fitting Instructions

Tools needed:

- Ratchet and Socket set
- T20 Torx bit
- 3mm Hex Key
- 4mm Hex Key
- 5mm Hex Key
- Trim removal tool or small flat-bladed screwdriver

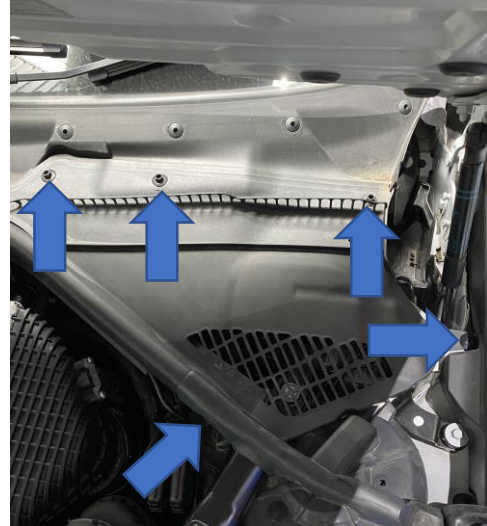
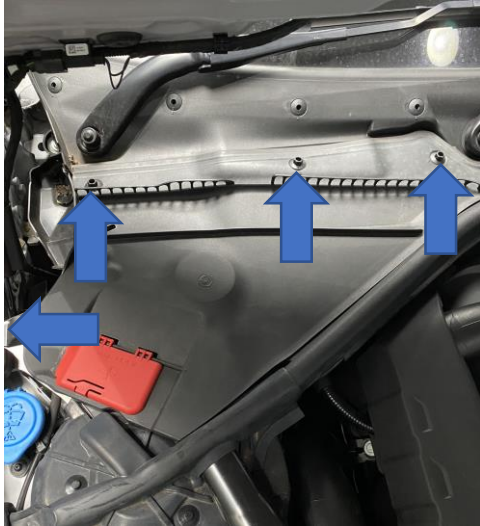
Kit Includes:

- 2x AIRTEC Motorsport Cotton Filters
- 2x Heat Shields
- 2x Induction pipes (one left-hand side, one right-hand side)
- 1x Silicone Coupler
- 2x Jubilee clips (size XX)
- 2x Jubilee clips (size XX)
- 4x M4x12mm Sockets
- 4x M4 Small Washers
- 6x M5x12mm Sockets
- 12x M5 Small Washers
- 6x M5 Nyloc Nuts
- 7x M6x16mm Hex bolts
- 6x M6 x 20mm Washer
- 10x M6 Small Washer
- 8x M6 Nyloc Nuts
- 1x M6x35mm Socket Head bolt
- 1x M6x10mm Socket Head bolt
- 1x M6x25mm Washer
- 5x rubber trim (varying lengths)

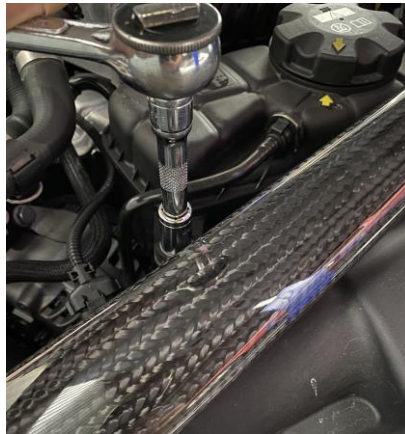
PLEASE THOROUGHLY READ THESE INSTRUCTIONS AND MAKE SURE YOU ARE FAMILIAR WITH THE STEPS BEFORE CARRYING THEM OUT

Instructions:

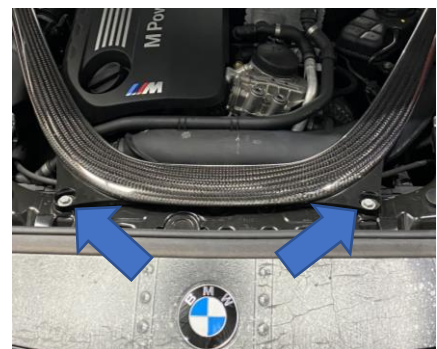
1. Remove the plastic scuttle panels by turning the 10mm nuts counter clockwise $\frac{1}{4}$ of a turn and then remove a single plastic pin on the left-hand side and two plastic clips on the right-hand side. These come out by using a small trim tool to pull the centre out.



2. Remove the 10mm bolt attaching the strut brace to the header tank.



3. Remove the six 13mm bolts attaching the strut brace to the car. Then peel back the weather strips both sides that sit above the strut brace and then carefully lift out the brace and place safely out of the way.



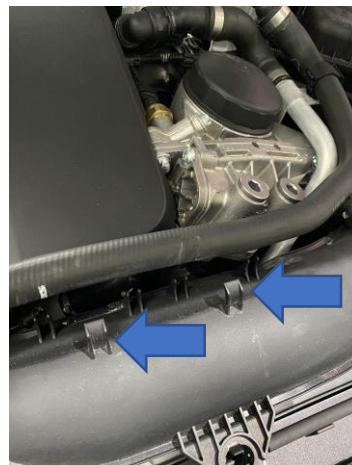
4. Unclip MAF sensor wiring on both sides by pushing in on the tab with a trim tool or flat-bladed screw driver. The plug will then release from the sensor.



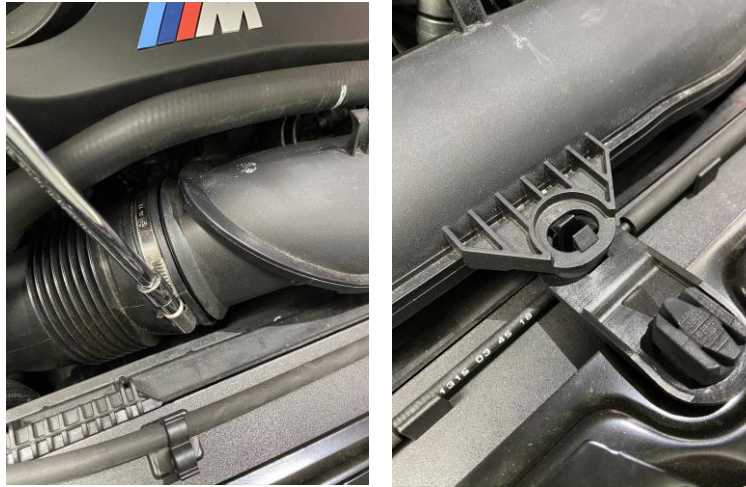
5. On the left-hand side intake pipe, loosen the hose clip and then pull it back and out of the way. Then remove the air box by pulling firmly but carefully upwards, which will release it from its rubber mounts.



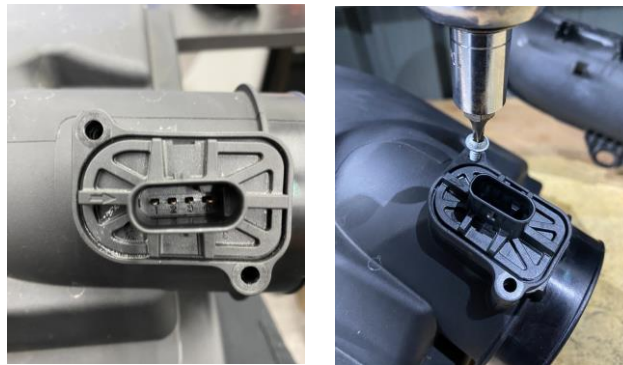
6. Working on the right-hand side intake, unclip the vacuum line by squeezing the connector and pulling at the same time. Then release the coolant hose from its clips on top of the induction pipe by pulling it upwards from its two clips.



7. Loosen the jubilee clip on the remaining intake pipe and pull firmly but carefully upwards to release it from its rubber mounting. Then remove the right-hand air box the same as Step 5.



8. Remove the MAF sensors from the standard air boxes by undoing the two T20 Torx screws on each and install them into the new induction pipes with the supplied M4x16 Cap Head Bolts and washers.



9. Install the silicone coupler on to left-hand side turbo outlet pipe with a supplied jubilee clip and tighten. Then place the second jubilee clip on the pipe ready for fitting, but leave loose.



10. You will now need to install the five rubber trim pieces that have been pre-cut to the correct lengths. You will need to measure the length of each one to work out where it fits. Please note that the two heat shields are not the same.

Left-hand:



Right-hand:



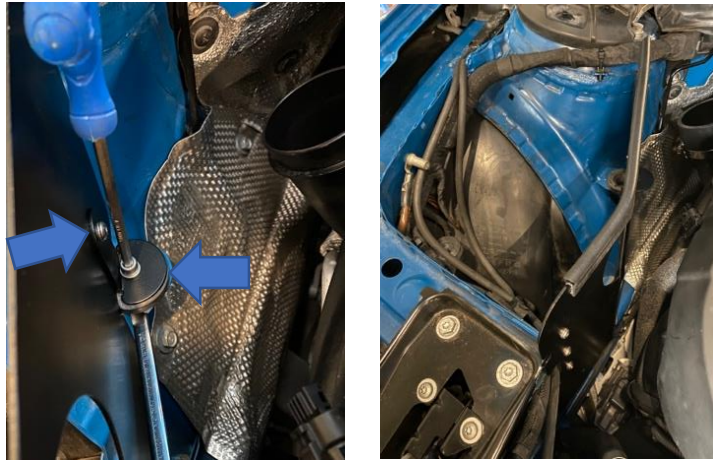
11. Before installing the heat shields in place, mount the brackets as shown using the supplied M6x12mm bolts with a mudguard washer on the bracket side. Fully secure in place with the provided M6 Nyloc nuts and pan washers using a 10mm spanner and a 10mm socket on the bracket side.



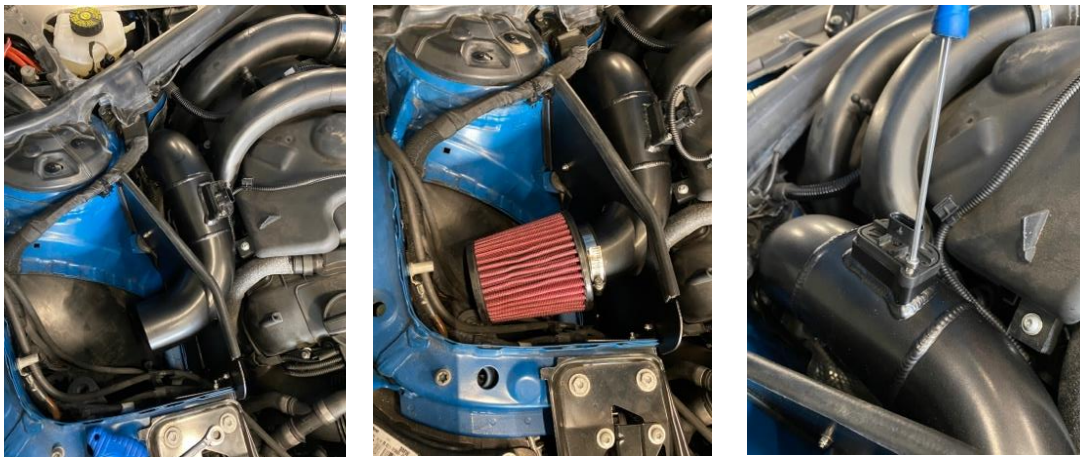
12. The bracket can now be mounted onto the heat shield by using three of the supplied M5x12mm Socket Head bolts with washers and Nyloc nuts. Fix securely using an Allen Key and an 8mm spanner.



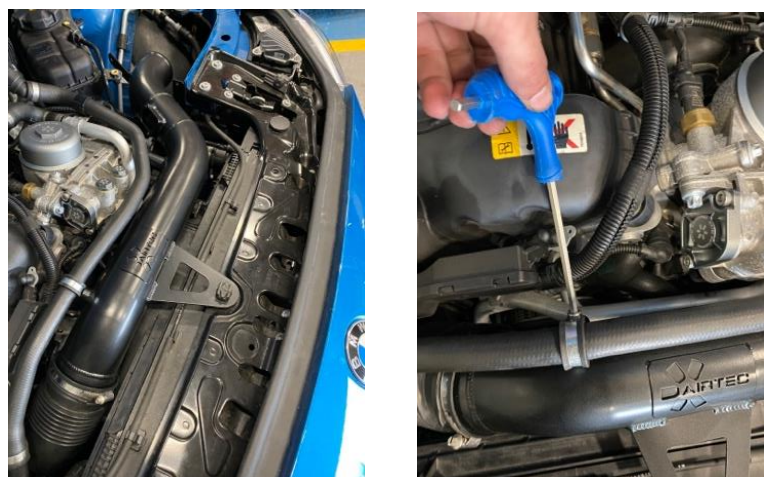
13. The last mounting point for the left-hand side intake will go through the air box's original rubber mount. First, align the bracket in place through the side of the heat shield and tighten using a Nyloc nut and washers either side. Then use a M6x35mm Socket Head bolt with a pan washer through the existing rubber mount and secure using a washer and Nyloc nut.



14. You can now install the pipework in place by fitting the alloy pipe section into the silicone coupler and secure using the jubilee clip supplied. Then fit the air filter and refit the MAF sensor using the supplied M54 bolts.



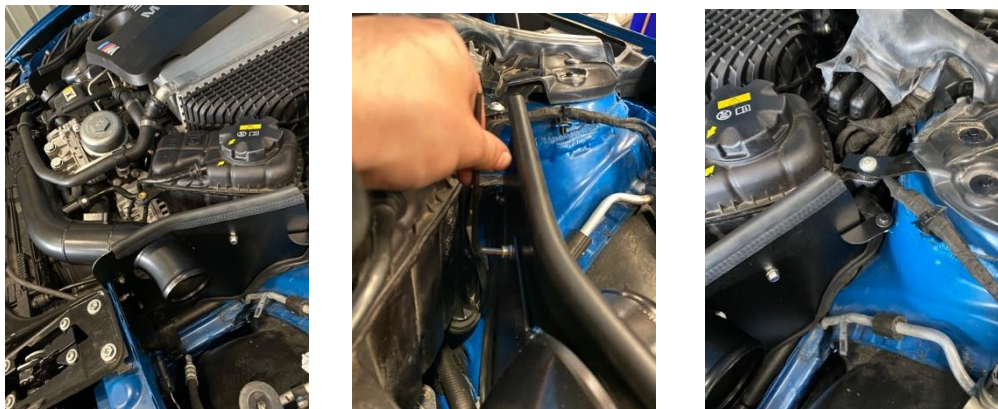
15. Fit the next section of the pipework running along the front of the engine using the original rubber mountings and secure to the couplers with the supplied jubilee clips. Then use the supplied P-clip to secure the coolant hose, as shown.



16. Repeat Step 13 to install the right-hand bracket. Then remove the 8mm bolt shown in preparation for installing the heat shield.



17. Mount the heat shield onto the bracket using the supplied M5x12mm bolts with washers and nuts. Fix securely using an Allen key and an 8mm spanner. Now install the provided M6x16mm bolt with M6 washers and a Nyloc nut. You can now reinstall the 8mm bolt removed in Step 16 to fully secure the heat shield in place.



18. Finally, install the second AIRTEC air filter onto the pipework using the supplied jubilee clip, along with the MAF sensor and check that everything has been plugged in and appropriately tightened. Then reinstall the strut brace and scuttle panels in reverse of Steps 1 to 3.

