

Mini Cooper S (incl. JCW) F56 Resonator Delete Pipe Fitting Instructions

Tools needed:

- Ratchet and Socket Set
- T15, T25 & T27 Torx Sockets
- Trim Removal Tool or Flat-Blade Screwdriver
- Jubilee Clip Flexi-driver or Flat-Blade Screwdriver

Kit Includes:

- 1x AIRTEC Motorsport Resonator Delete Pipe
- 1x Mounting Bracket
- **Fitting kit:**
 - 2x M6x12mm Button Head Bolts
 - 2x M6 Pan Washers

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



Instructions

1. Start by opening the bonnet and removing the engine cover from the car. Firmly but carefully lift one corner of the cover and until it pops off from its rubber mountings.



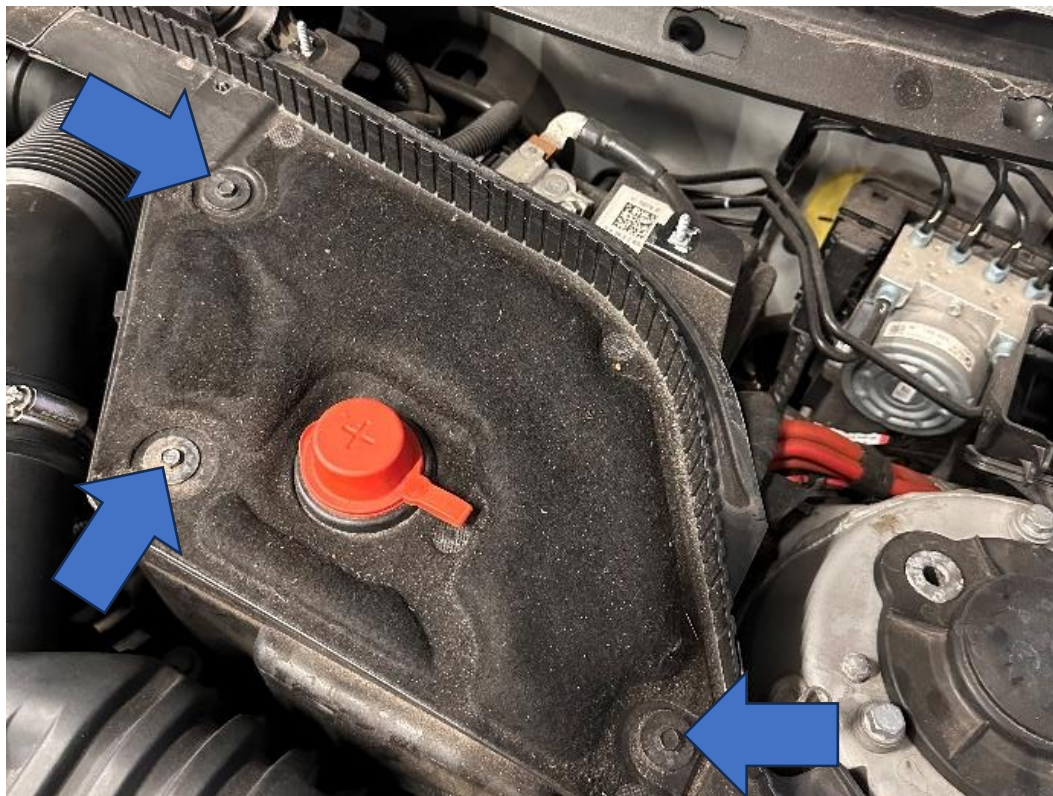
2. Remove the plastic caps on each of the wiper arms and then undo the 16mm nut and remove the wipers.



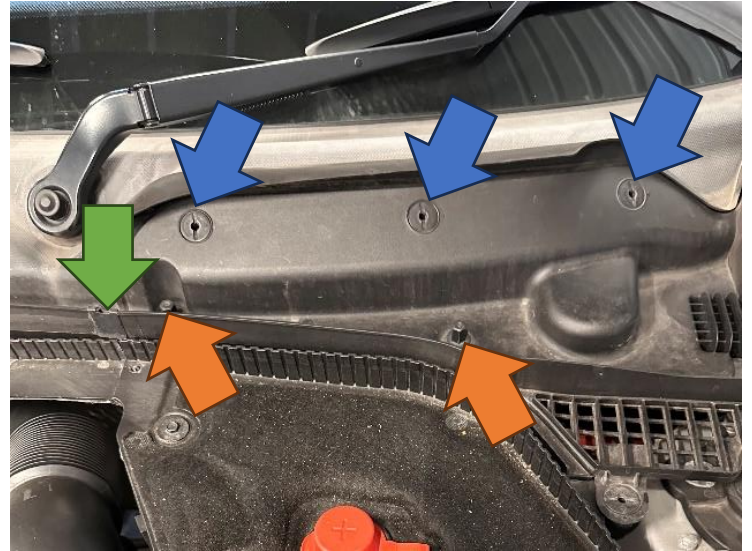
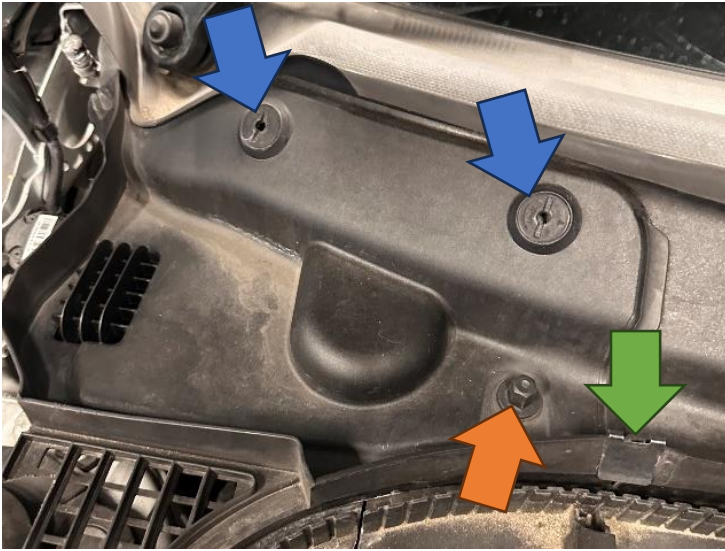
3. Remove the rubber scuttle panel trim by pulling it upwards from one end.



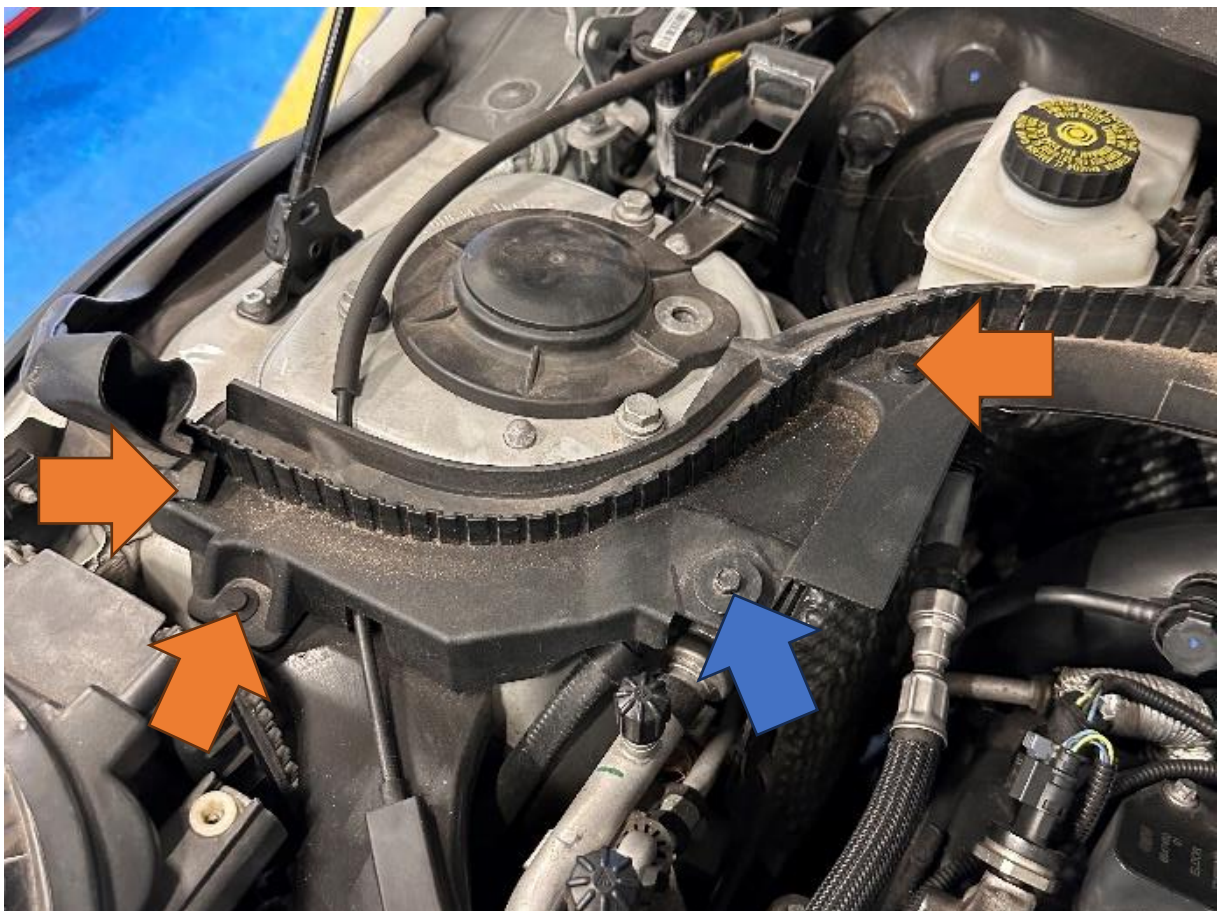
4. Remove the battery cover by undoing the three 8mm bolts.



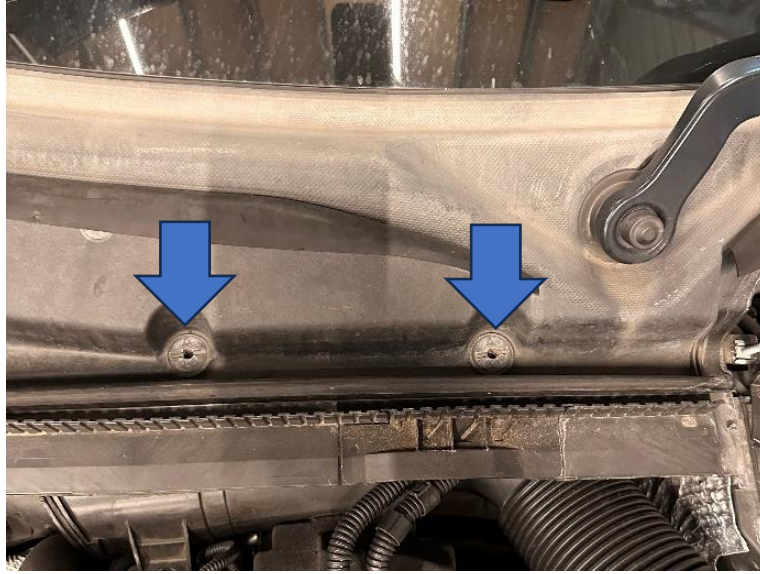
5. To remove the plastic trim panels on each side of the scuttle, there are five trim clips. To undo these, use a Flat-Blade Screwdriver to rotate the centres 90 degrees anti-clockwise and they will pop out. There are also three plastic 10mm nuts (orange arrows) that need removing. Finally, there are two metal clips (green arrows) that join the edges of each panel and with these removed, the panels are free.



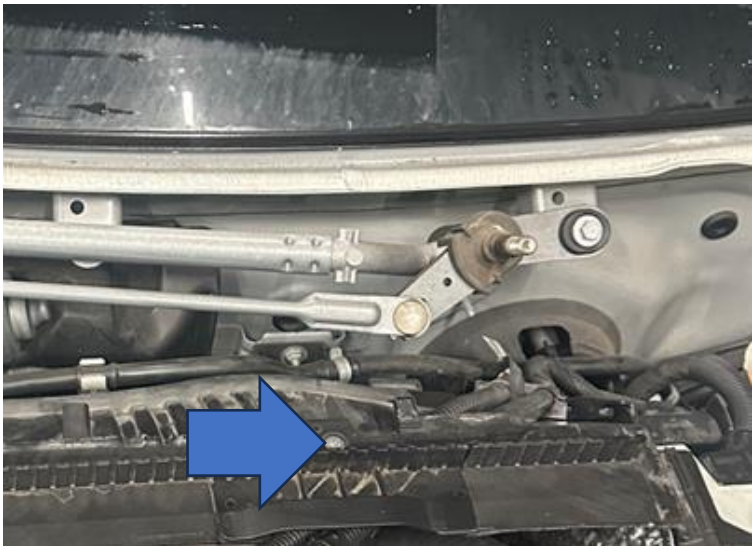
5. Remove the cover pictured by undoing the 8mm bolt (blue arrow) and then using a trim removal tool or Flat-Blade Screwdriver, remove the three plastic clips (orange arrows) and unhook the rubber trim.



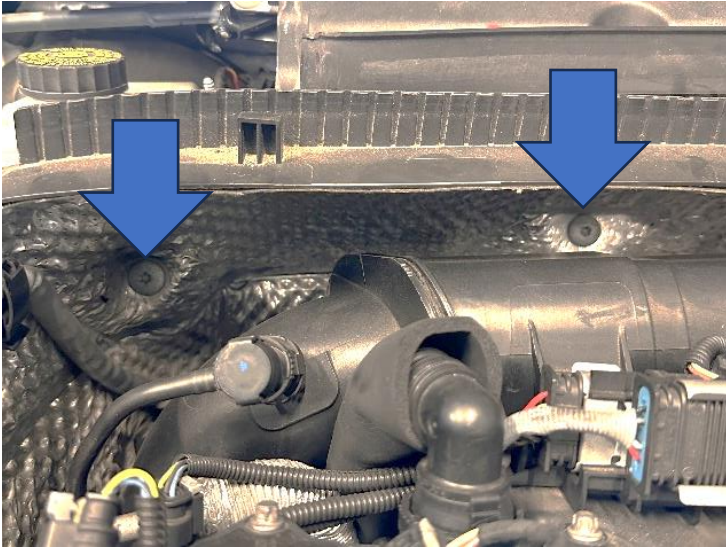
6. Remove the scuttle panel by rotating the two centre fittings 90 degrees anti-clockwise and then working from the bottom corner of the windscreen, gently push the panel down to release it from the windscreen. You can then lift it up off the windscreen wiper threads and remove it.



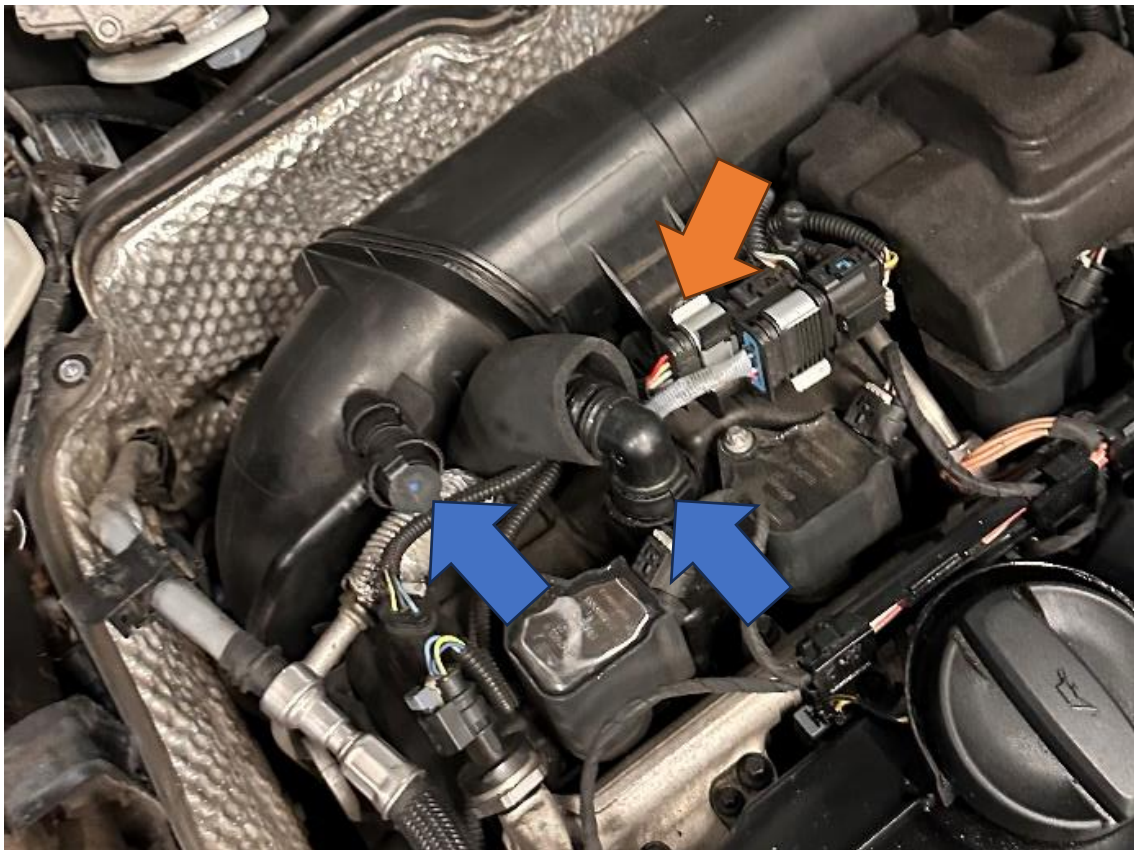
7. Now remove the T15 Torx bolt in the centre and lift the plastic section securing the two cables underneath, as shown. Move the bracket holding the cables to the back of the lower plastic trim by releasing the clip.



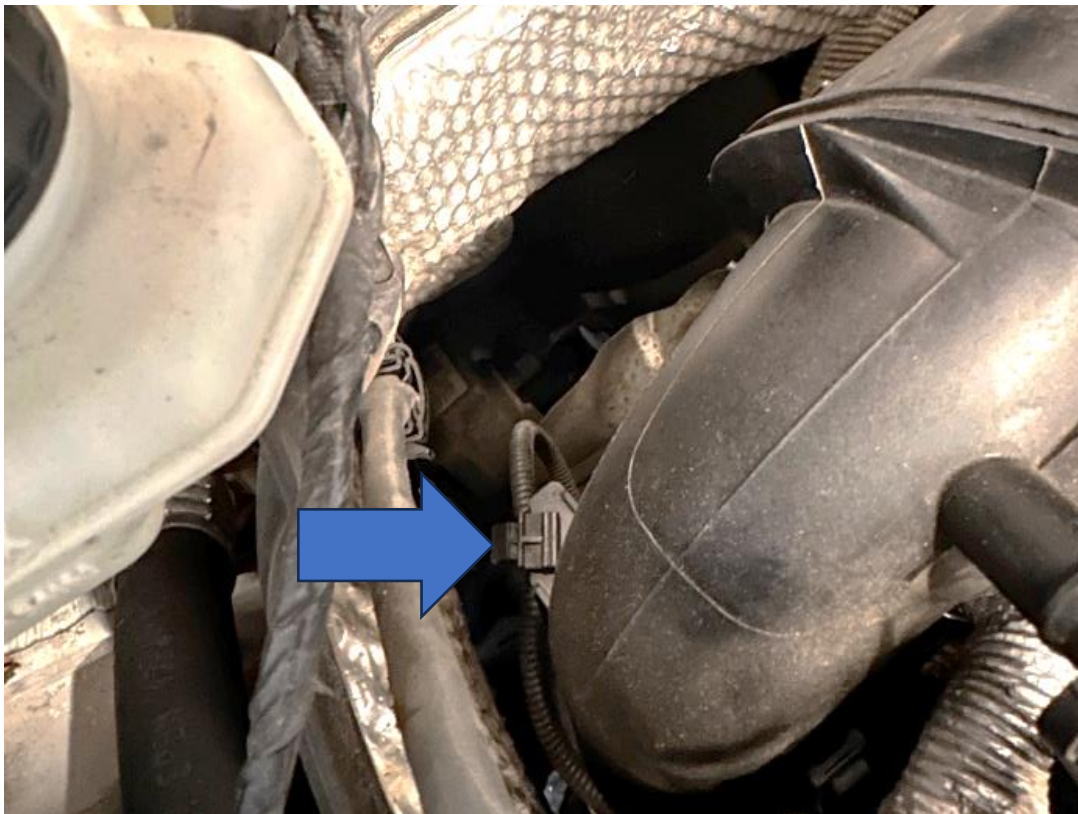
- Undo the three T27 Torx bolts, they are captive so they will stay attached to the plastic trim, unclip the hose on the left-hand side and then you will be able to lift the trim and remove it from the car.



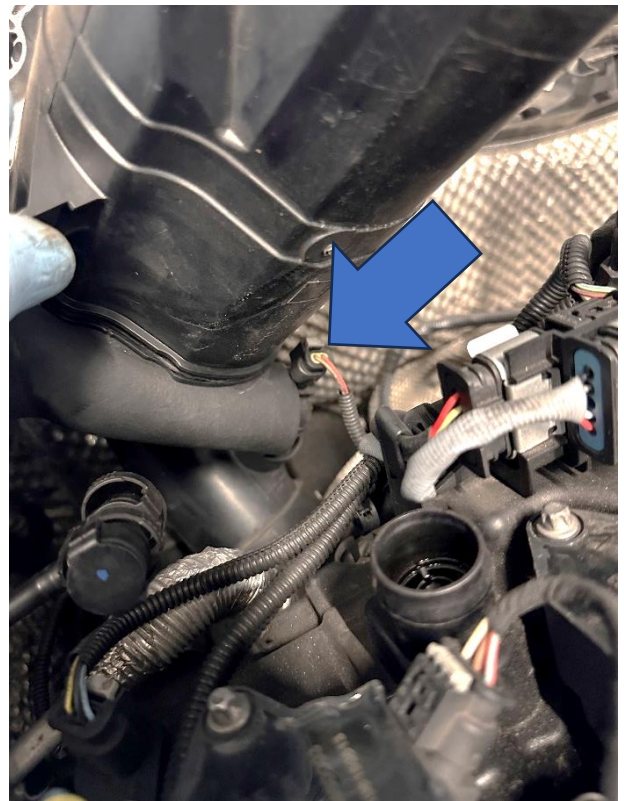
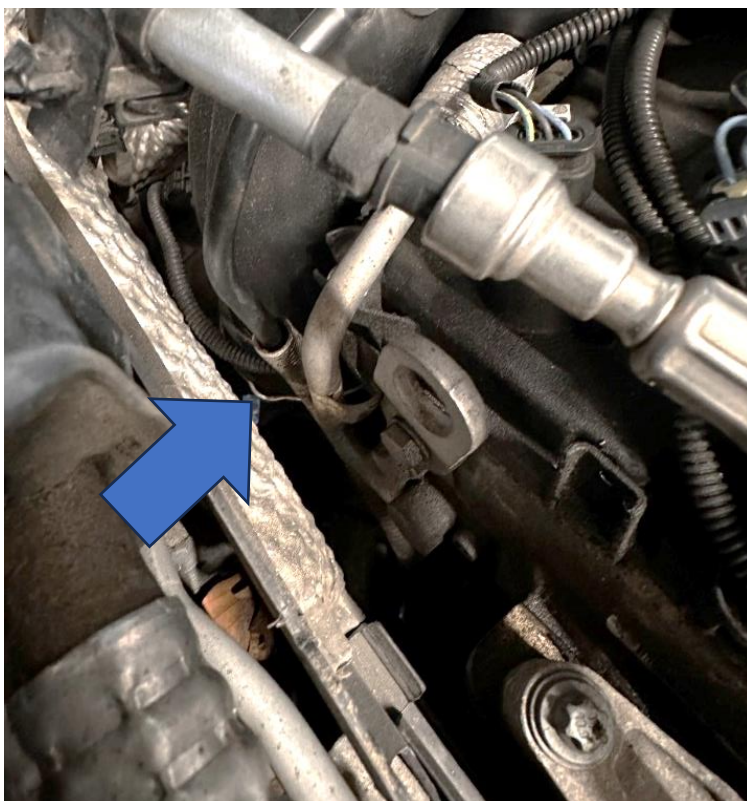
- Unclip both the hoses (blue arrows) by squeezing the retaining clip together and gently pulling. Then undo the T25 bolt holding the original intake pipe bracket to the engine (orange arrow).



10. At the back of the engine bay, move the clip holding the cable to the back of the pipe.



11. Using a flat-blade screwdriver, release the spring clip holding the pipe to the turbo intake and then pull the pipe upwards enough so you can get to the wiring plug on the back. To release the wiring plug you will need to push the tab outwards and once it comes out you can then press it whilst pulling the plug to release.



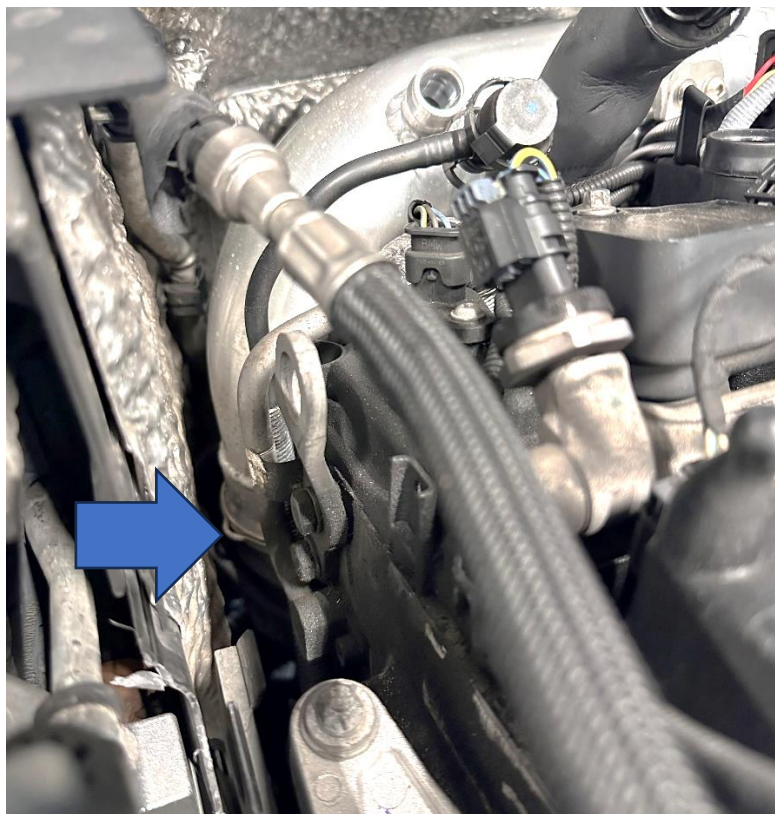
12. With the pipe removed you can now release the breather hose from it by using a suitable tool to push in the side tabs whilst you gently pull to remove. Once removed, it can be installed onto the AIRTEC Motorsport pipe by pushing it in until you hear a positive 'click' of the tabs locking in place.



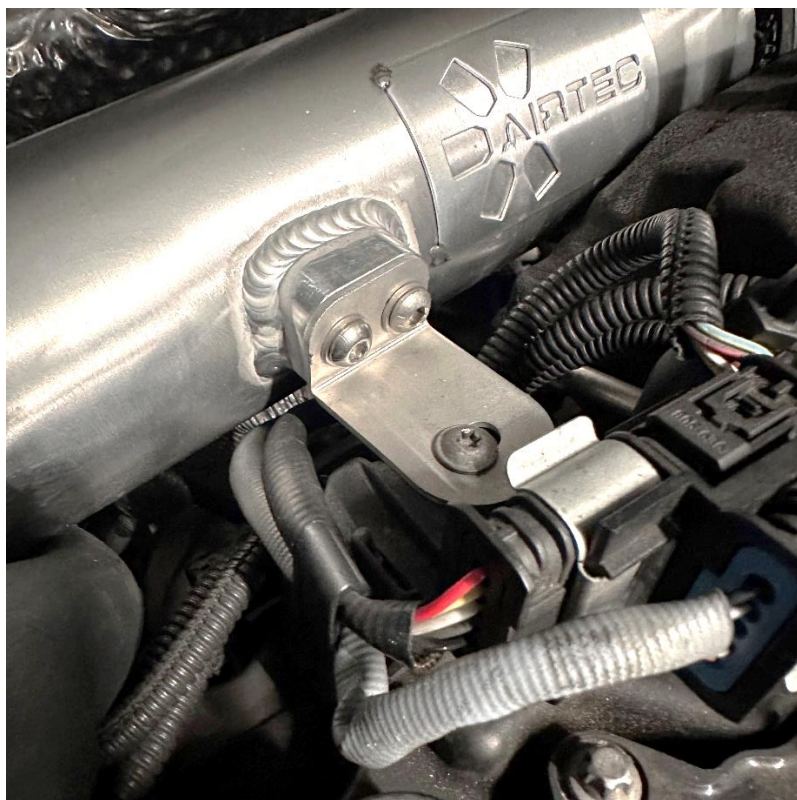
13. The retaining clip can also be removed from the original pipe by pulling it up. Install it onto the new AIRTEC Motorsport pipe but don't let it fully click into place otherwise you will not be able to install the pipe.



14. Locate the new pipe into place and reconnect the wiring plug removed in Step 11. Then fit the pipe back onto the turbo inlet and once happy it is fully seated correctly, the retaining clip can be clicked into place to secure it.



15. Now reconnect the hoses removed in Steps 9 and then install the bracket using the supplied mounting bracket with the M6 bolts and washers to attach it to the pipe. Reuse the Torx bolt removed in Step 9 to attach the bracket to the engine.



16. Finally, refit the plastic trims, scuttle panel and wipers in reverse of Steps 1 to 8. **Please note:** car shown below has AIRTEC Motorsport oil catch can kit fitted in conjunction with the resonator delete pipe.



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