

# Mini F56 Cooper S AIRTEC Motorsport Intercooler Fitting Instructions

## Tools Required:

- Ratchet and Socket Set
- Torx Sockets
- Trim Removal Tool
- Flat-Blade Screwdriver
- Two Small Screwdrivers
- Drill and Drill Bits

## Kit Contents:

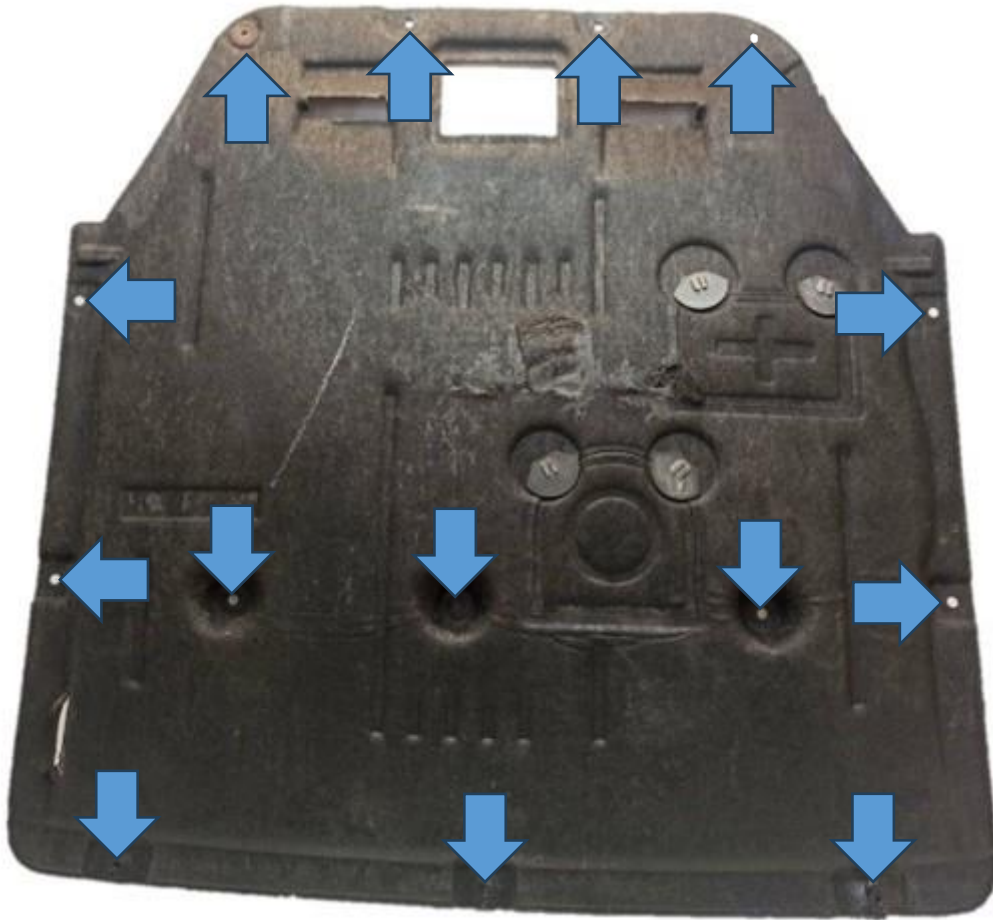
- 4x M6x16mm Socket Head Bolts
- 4x M6 Nyloc Nuts
- 2x M6x20mm Socket Head Bolts
- 2x M6 Pan Washers



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

## Instructions:

1. With the car safely raised from the ground, release the undertray by removing the 14 bolts.



2. Each side, remove the bolt located inside the arch liner shown, as well as the two bolts under the corners of the bumper.



3. Firmly but carefully pull the plastic arches away from bumper to loosen them. Do not try to fully remove them yet as there is another bolt to remove – see next step.

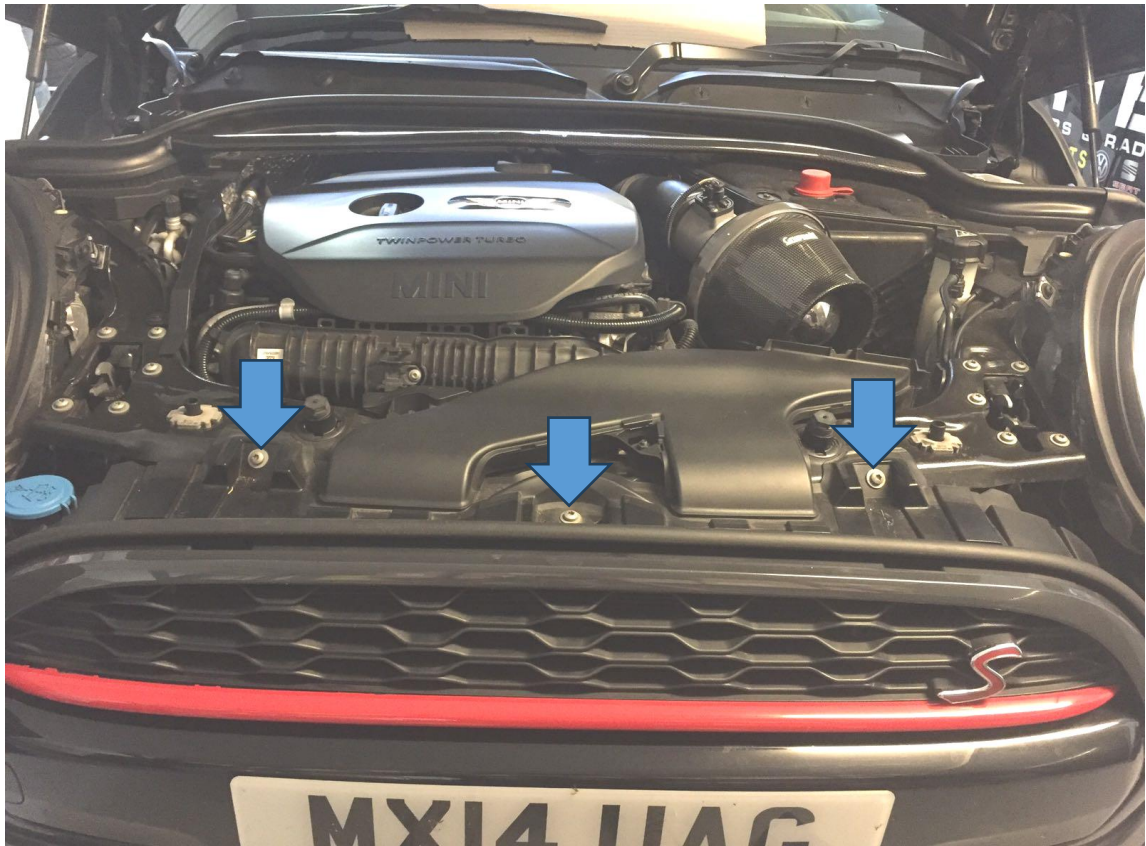


4. With the arches loosened, remove the T30 Torx bolt between the arch extension and bumper.





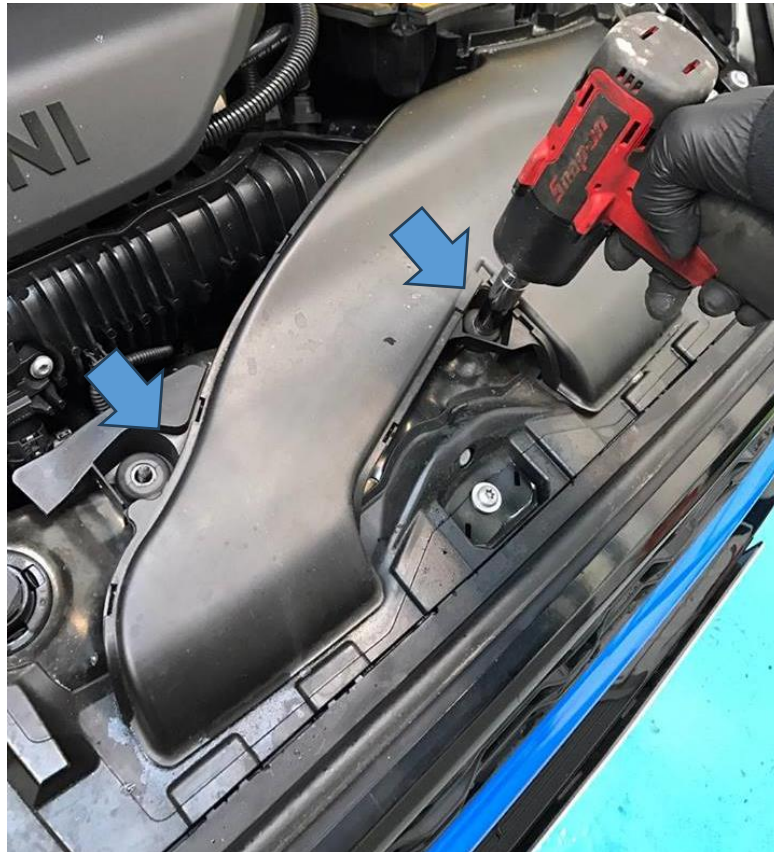
5. Remove the three T30 Torx bolts holding the top of the bumper to the slam panel.



6. Inside the arch liner, remove the plastic trim clips securing the brake cooling ducts both sides.



7. Remove the two 10mm bolts securing the cold air feed in place. The bumper can then be removed from the car, which will require two people as there is wiring to unplug.

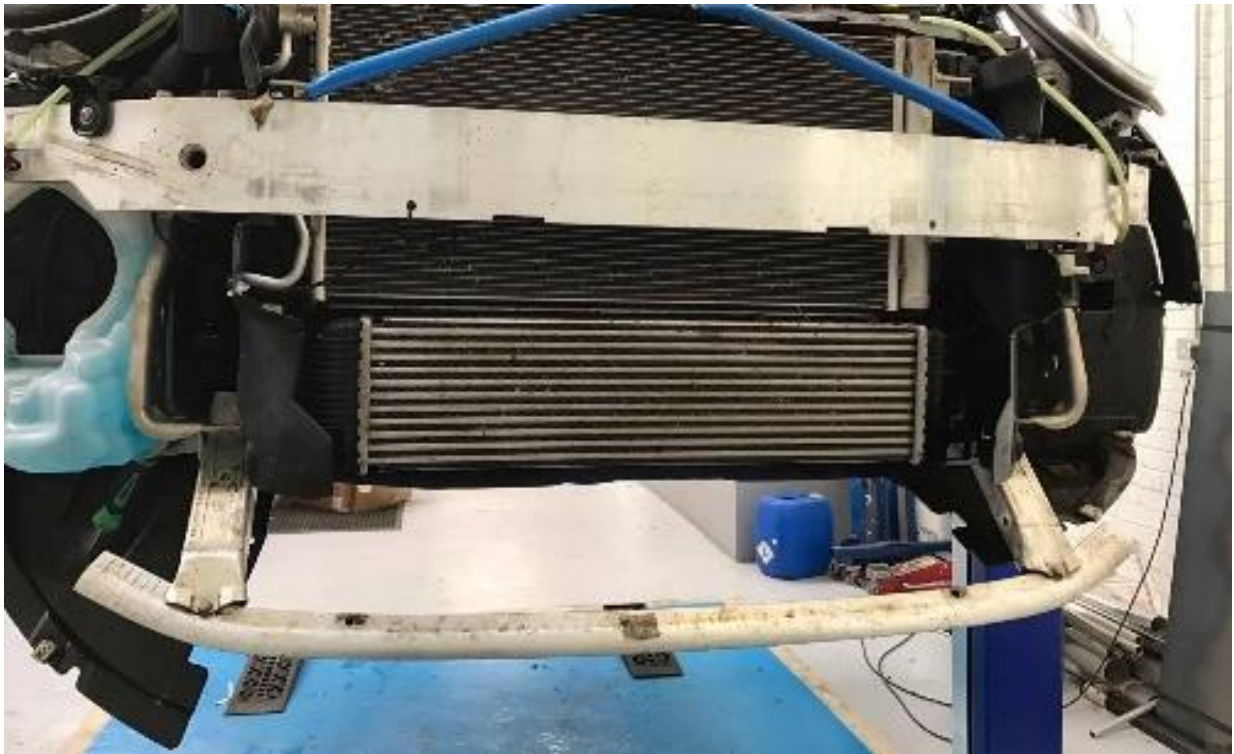


8. With the bumper off, remove the three bolts from each side of the lower crossmember/bumper support along with two bolts holding the plastic air guides to the crossmember.





9. Now remove the front lower crossmember/bumper support.



10. Unclip the bottom of the original intercooler using a flat-bladed screwdriver, as shown.



11. On the slam panel, insert a small screwdriver into each of the slotted tabs, as shown, to support the rad pack and allow the removal of the bottom radiator mount.

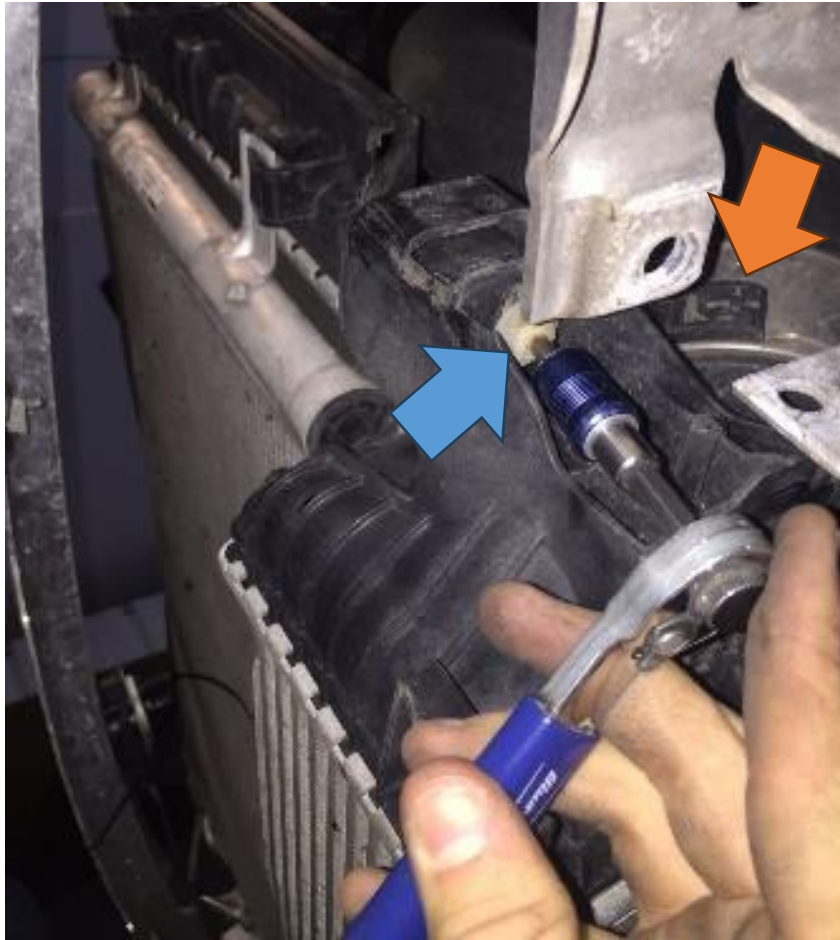


12. To remove the lower mount, you will need to drill out the four rivets securing it in place underneath. **Please note:** when installing the new intercooler, replace these rivets with the M6 nuts, bolts and washers supplied.





13. Undo the bolt from each side of the standard intercooler (blue arrow) and then release the tension clips securing the boost pipes each side (orange arrow). The intercooler can then be removed.



14. Now remove the standard plastic air guides either side of the radiator. These are not reused.





15. Slide the intercooler in place and secure using the two socket head bolts with washers provided through crash bar to the intercooler. Then clip the boost pipes back in and reuse the bolts removed in Step 12 for the side mounts. Once happy with the clearance, fully tighten all the bolts.



16. Finally, refit the lower intercooler mount removed in Step 11 using the supplied nuts, bolts and washers. Then refit the crossmember, bumper and undertray in reverse of removal.

