

# Mini F56 JCW AIRTEC Motorsport Intercooler Fitting Instructions

## Tools required:

- Ratchet and Socket Set
- T20 and T30 Torx Sockets
- Electric Drill
- Trim Removal Tool
- Selection of Screwdrivers

## Kit Contents:

- 1x AIRTEC Motorsport Intercooler
- 2x M6x20mm Socket Head bolts
- 2x M6 Pan Washers
- 2x M8x16mm Socket Head bolts
- 2x M8x30mm Mudguard Washers



# Instructions:

1. From underneath the car, remove the 14 bolts (8mm) holding the undertray in place.



2. Each side, remove the two 8mm bolts from under the bumper and one 8mm bolt securing the inner arch to the bumper.



3. Carefully but firmly pull the plastic arches away from bumper. Please be careful of the plastic tabs behind arch.



4. Unbolt the T27 Torx bolts located between each side of the arch extension and bumper.





5. Remove the three T27 Torx bolts holding the top of the bumper to the slam panel.



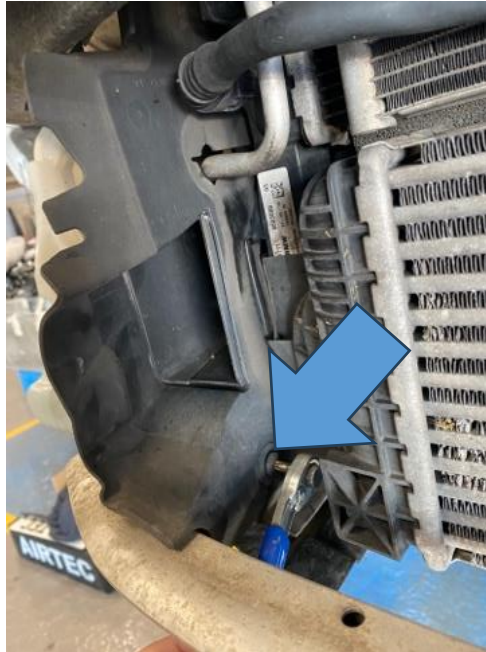
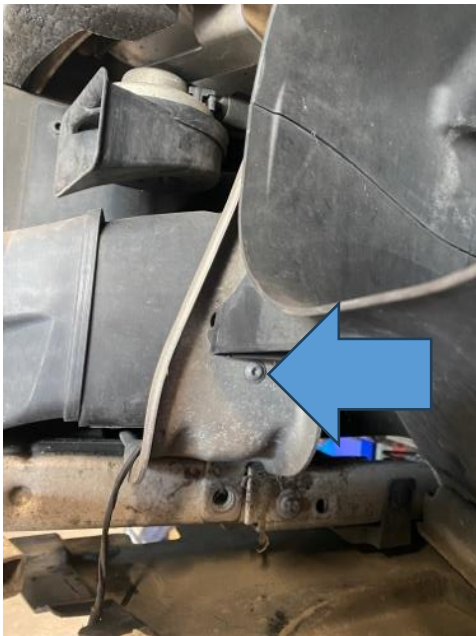
6. Locate the brake cooling vents at the front of each inner wheel arch and remove the two trim clips holding each of them in place.



7. Ideally with the help of someone else, remove the bumper and whilst doing so make sure to unplug any wiring looms attached.



8. Release the brake cooling ducts from the car by removing the T20 Torx bolts from the side of the duct and the T27 Torx bolts from the bottom. The cooling ducts can now be removed from the car.





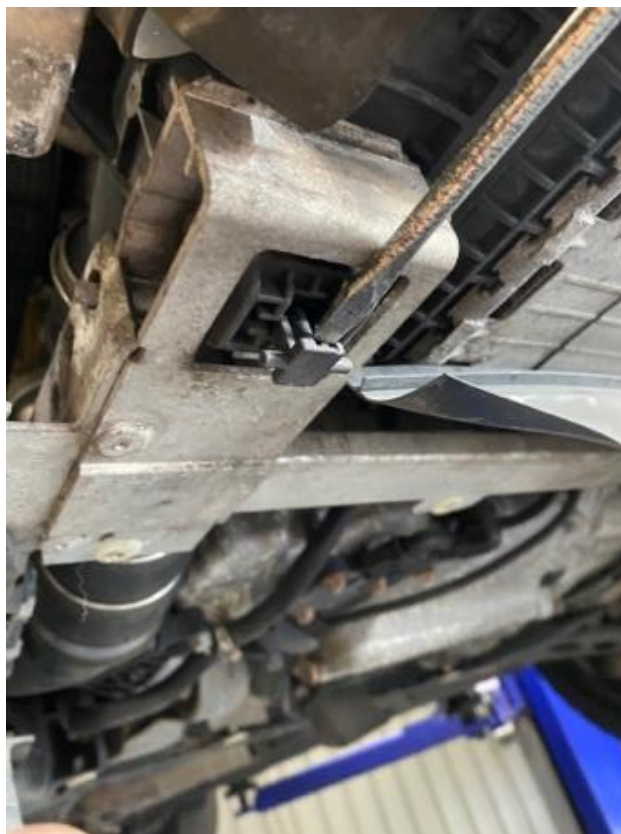
9. Remove the six 8mm bolts (three each side) from the sides of the crossmember and then remove the two T27 Torx bolts from the top of the crossmember.



10. You can now remove the front lower crossmember from the car and place it out of the way.



11. Unclip the bottom of the original intercooler by levering a flat-bladed screwdriver at the lower part of the clip.



12. Now drill out the four rivets (two each side) from the lower rear alloy crossmember and remove from the car.





13. Undo the intercooler pipes by using a lever a flat-bladed screwdriver to release the clips. Then remove the T30 Torx bolts from each side of the standard intercooler securing it to the radiator. The intercooler can now be removed from the car.



14. Using a small screwdriver, hold up both sides of the rad pack, as shown.





15. Remove the standard plastic air guides from the radiator pack by removing the T27 Torx bolts from the top of the air guide.



16. Secure the intercooler to the lower crossmember using the supplied M8 Socket Head bolts with washers.



17. Lift the intercooler into place and loosely bolt the lower crossmember into place making sure the fan surround is located into the intercooler locating tabs.



18. Bolt the intercooler to the radiator housing with the supplied M6 bolts with washers and then clip the boost pipes back to the intercooler.





19. Cable tie plastic water pipe to securing clip – for added security to prevent rubbing.



20. Finally, once happy with the fitment and clearance, fully tighten all bolts and refit the bumper in reverse of Steps 1 to 13.

