Mini F56 cooper S Airtec intercooler fitting instructions.

Tools required:

T30 Torx
T20 torx
Selection of extension bars & ratchet
Trim removal tool
Selection of screw drivers
Jubilee clip driver

Fitting kit:

2x M6 X 20 socket heads (Front crash bar to intercooler)
2x M6 Pan washers (Front crash bar to intercooler)
4x M6 X 16 socket head (Re-attaching lower ally support bar)
4x M6 Nylocks (Re-attaching lower ally support bar)

1. **Jack up car, remove under tray 15x M6 bolts**

2. **Remove 3x M6 bolts connecting M6 bolts to bumper**

(1 inside inner arch, 2x under the side of bumper)

3. **Pull plastic arches away from bumper.**

(Will require a firm pull, please be careful of plastic tabs behind arch)

4. **Unbolt T30 torx hidden between arch extension and bumper**

5. **Remove 3x T30 torx holding top of bumper to slam panel.**

6. **Remove plastic speed clip fittings holding brake cooling ducts and inner arch to bumper**

7. **Remove cold air feed to standard air box (2 x 10mm bolts)**

8. **Remove bumper making sure to unplug any necessary looms and remove bumper (2 people required if possible)**

9. **Remove 3 bolts from each side of the alloy lower cross member along with 1 x t30 torx and another t30 torx holding the plastic air guides to the cross member.**
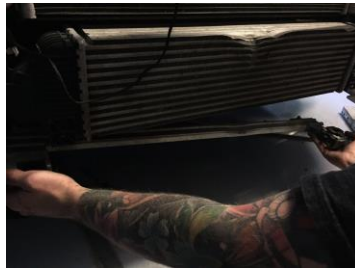

10. **Remove the front lower cross member.**

11. Unclip bottom of standard intercooler

12. Drill out four rivet from the lower rear alloy cross member and remove. PLEASE NOTE: when re-installing please use 4x M6 bolts supplied in fitting kit.

13. Undo t30 from each side of the standard intercooler and remove intercooler.
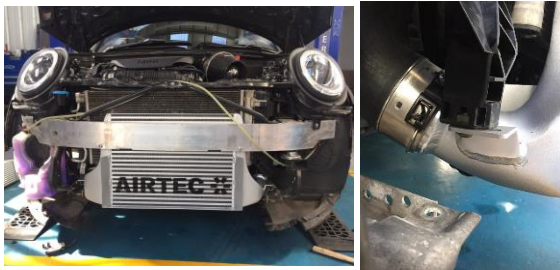

14. Using small screw driver hold up both sides of the rad pack

15. Remove standard plastic air guides to rad pack 2x T30

16. Slide intercooler in place between crash bar and radiator clipping in boost pipes. Bolt to original lower fixings and bolt through crash bar to front fixings on crash bar. Once happy with clearance tighten bolts.

17. Re fit bumper following instructions in reverse.