

# AIRTEC Motorsport Golf R MK7 oil cooler fitting instructions.

**Please note: this is a complex kit and recommend to be fitted by an experienced technician.**



## Fitting kit:

- 1x -10 Oil cooler
- 1x Oil cooler fixing bracket
- 7x M6 X 16 socket head bolts
- 8x M6 nylocks
- 16x M6 pan washers
- 1x M6 x 110 socket head
- 1x Thermostat securing tube
- 1x M8 X 16 button head
- 1x Thermostat (Optional)
- 1x Thermostat fixing bracket
- 1x CNC oil take-off plate
- 5x -10 90 degree fittings
- 1x 45 degree fitting
- 2x straight fittings
- 2x M16 X 1.5 -10 adaptor
- 2x -10 banjo bolts
- 1x inlet manifold support bracket & M8 X 60 socket head bolt

## Tools needed:

- Flat blade screwdrivers.
- T20, T27, T30 Torxs Driver.

16mm socket, extension bar & ratchet.

7mm hose clamp driver.

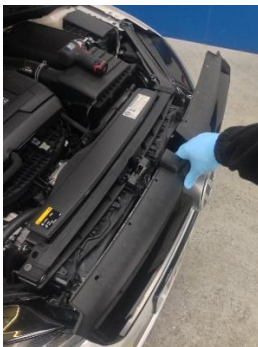
1. Undo 4x T20 Torx securing top of grill.



2. Undo 6x T30 Torx securing metal scuttle ends above headlights.



3. Unclip grill.



4. Undo 6x T20 Torx holding inner arch to bumper.



5. Undo 3x T20 Torx securing bottom of bumper.



6. Undo 3x T30 Torx holding bumper to crash bar



7. Unclip side of bumper.



8. Remove bumper making sure to unclip multi plug and headlight washer pipe.



9. Time to remove inlet manifold



10. Undo 10x T27 torx sockets, undo 2x T27 securing water pipe



11. Unclip wiring harness from manifold



12. Remove cold side boost pipe from throttle body to intercooler



13. Remove manifold supporting brace this will be replaced with an AIRTEC support bracket at a later stage



14. Remove manifold making sure to block inlet holes to avoid anything dropping in



15. Undo fuel feed to fuel rail



16. Remove plastic cover covering water pump belt 2x T27 bolts. Once removed, remove belt.



17. Remove water pump by undoing 5x T27 torx bolts and unclipping water feed pipes





18. Remove standard oil cooler and replace with CNC take off plate. Use supplied M8 bolt on bottom pocketed section and 3 original bolts



19. Fit oil feed pipes to CNC take off – Please note bottom feed needs to be tightened as close to engine as possible. See layout picture below



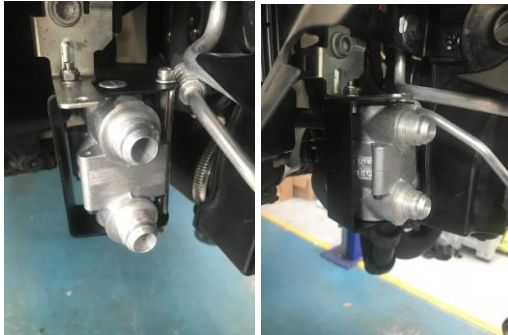
20. Re-fit water pump, fuel rail then manifold – Please note manifold securing bar is replaced with AIRTEC support bar to allow clearance on oil pipes



21. Remove horn from horn bracket and re-fit with supplied bracket to side of radiator cowl as pictured



22. Mark and drill hole to fit thermostat to original horn bracket as pictured



23. Fit oil lines to thermostat and oil cooler, at this point attach oil cooler to crash bar, mark mounting holes and drill with 6.5mm drill bit, then bolt oil cooler into place with supplied bolts.— **PLEASE SEE DIAGRAM AT END OF INSTRUCTIONS FOR OIL FLOW**



24. Refit bumper in reverse order. Refill anti-freeze and oil, check levels, start car and check for leaks.

**Red = Oil feed from engine**

**Blue = Oil feed to engine**

