

## SEAT LEON PD150 FRONT MOUNT INTERCOOLER CONVERSION



Safety first. Use protective eyewear when cutting & drilling metal and where protective gloves.

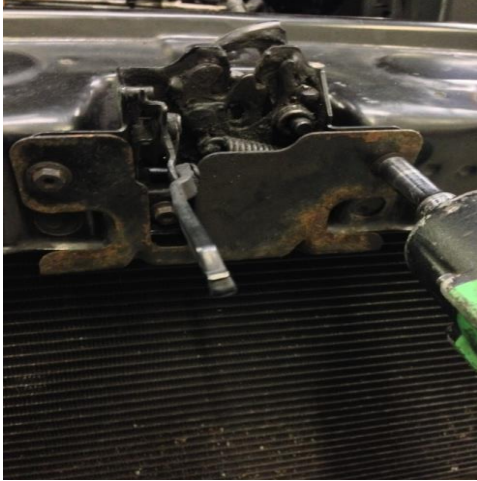
Please note this kit is very comprehensive and should only be fitted by qualified vehicle technician/mechanic, please read instruction before trying to fit by yourself.

### Tools Required.

- Angle grinder with thin metal cutting disc fitted (this for removal of slam panel supports)
  - Electric drill with 7mm drill bit fitted 'may require smaller to get hole started'
  - Flat Blade & Dumpy 'small' Phillips screw driver
  - Torx drivers T20, T25 & T30
  - Socket set 10mm & 13mm
  - Allen Key set
  - 10mm spanner
  - Straight edge/Ruler
  - Black paint 'if possible'
  - Trolley Jack
1. Firstly we need to remove the front bumper, open the bonnet and un-clip the front top grill cover and then remove the 5 plastic clips securing the top of the bumper onto the slam panel (small flat blade screw driver should do the trick). Then remove the 4 torx 20 bolts each side of the wheel arch, remove the front fog light grills 'these need to be firmly pulled forward' then undo a single T30 bolt each side located in the fog light area + x 2 more located behind the round blanking caps on the front left and right hand-side. Then remove the 3 Phillips screws located along the bottom of the bumper 'use dumpy Phillips screw driver'. (Above will be slightly different if Cupra R front bumper is fitted)
  2. Once all that has been carried out you need to carefully remove the front bumper unclip each side and pull forward slowly 'do not fully remove' @ this point you will need to unclip the LH/RH fog light multi plugs.
  3. Remove N/S/F & O/S/F Head light assemblies '4 x T30 bolts'

4. Remove Crash bar 8 x 13mm bolts

5. Remove bonnet catch 3 x 10mm bolts, unplug sensor and remove



6. Remove front radiator pack support, 2 x 10mm bolts either side as shown and 2 x 10mm bolts securing radiator to cradle



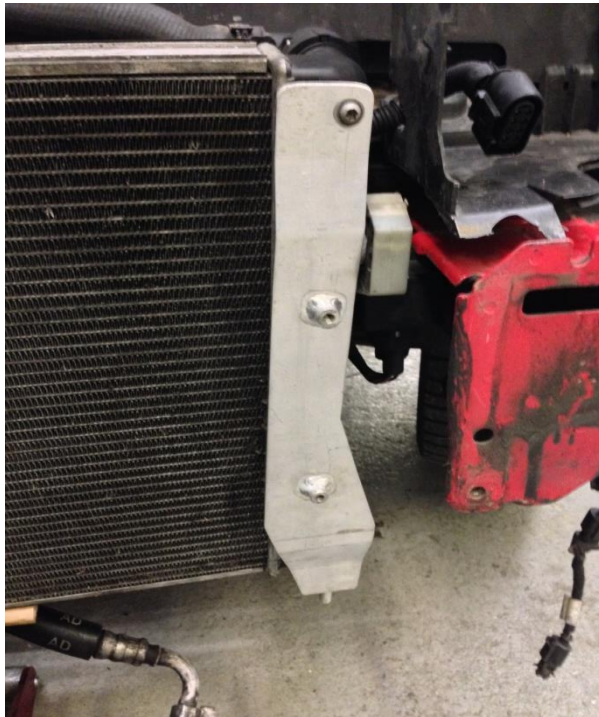
7. Carefully remove the cradle and support the rad pack with a trolley jack



8. With the front support removed, you can now easily remove the standard induction pipe which is secured by 1 x 10mm bolt 'cam-belt side' and 1 x 13mm bolt securing to head, un-plug map sensor



9. Unbolt Air-con rad and carefully pull to one side to allow access to intercooler, then unbolt radiator from intercooler 'remove boost pipes from intercooler' and then remove intercooler
10. Install Airtec intercooler OE replacement brackets as shown below, fit to radiator and then bolt Air-con back into place



11. Replace radiator cradle as per removal

12. Now take the new AIRTEC slam panel support brackets and place them over the originals 'see pic' use a marker pen to mark hole position



13. Once holes have been marked, draw a line with a straight edge 'see pic' then drill these with 7mm drill 'use smaller to start with' be careful not to damage radiator/aircon radiator

14. Take the Angle grinder and carefully cut along the lines drawn earlier, make sure you cut the correct side of the holes and you can bolt brackets on after 'see pic' use some black touch up paint along area that has been cut. Remove plastic shielding to allow space for new Intercooler.



15. Now you can fit your new Airtec slam panel support brackets, install alloy spacers & fittings provided in-between the holes drilled & the Airtec slam panel brackets.  
16. Loosely fit the 2 top Intercooler brackets 'sided' onto the Airtec slam panel brackets





17. Bend 3 x tabs located on the radiator support upwards as shown



18. Bolt Intercooler to Top brackets 'Loosely'

19. Replace crash bar, drill 7mm holes to secure side brackets, fit billet spacers shown



20. At this point you want all old boost pipes removed so you can start installing new  
21. DRIVERS SIDE 'UK'. Install 90 degree silicon hose, then attach alloy reducing pipe  
shown below



22. Fit 'S' shaped hose onto turbo then onto alloy pipe, secure with 'L' shape bracket  
shown below. Make sure there is enough clearance from bottom crank pulley



23. PASSENGER SIDE 'UK'. Fit 90 degree silicon bend from intercooler then install alloy  
joiner, then long 90 degree. Side shield will require cutting or removing



24. Install alloy pipe as shown, this will connect to the 90 degree silicon hose, must also install alloy spacer as shown + map sensor



25. Now install the short 90 degree silicon joiner by oil filter housing

26. Take the alloy top pipe and install rubber as shown below, before installing relocate vac bottle with bracket provided, you will need to unclip breather pipe to extend length





27. NOT FITTING EGR DELETE. With the alloy top pipe fitted, fit the 90 degree silicon hose to standard EGR or a previously fitted egr delete



28. FITTING EGR DELETE. Remove old egr and install blanking plate and gasket supplied 'use original bolts' then install egr pipe with new fittings supplied, fit vac pipe take off and old vacuum pipes are now obsolete



29. With Egr Blank and the alloy top pipe fitted, fit the 90 degree silicon hose

30. Now all that is left to do is replace front bumper as per removal

31. If you require an additional help please call AIRTEC technical on +44 1375 386878



Thank you joining the cooling revolution!