



## Airtec Twin-Spec Intercooler for Mk5/6 VW Golf Gti



### Parts Included

- Airtec Intercooler with securing bolt
- Airtec logo Horn relocation bracket
- 2 x Pro Hose 5 ply Silicon hoses with jubilee clips
- 3 x Machined pipe joiners – 2 large & 1 small

### Tools Required for fitting

- Vehicle ramp is best way for easier fitting, helps align Twin-spec silicon hoses, but can still be carried out with jack & axle stands
- Torx 20/30 driver set
- Very sharp Stanley/craft knife to cut silicon hoses, you will need to cut the hoses
- 10mm spanners
- 7mm socket driver for jubilee clips
- Junior hack saw for cutting fog light area 'un-seen from outside'
- Screw driver Pozi drive & flat head

### Safety

- Eye protection when cutting or drilling
- Protective gloves

1. Raise vehicle to waist height on ramp (or on jack & axle stands to safe height) open bonnet and remove grill be removing 2 x T20 from top and 2 pozi drive screws just underneath number plate, pull upwards to remove.



2. Now remove the 2 x T30 screws as shown below and then 5x T20 screws on each inner wheel arch liner and another 8x T20 along the bottom of the bumper, now carefully pull the bumper forward and disconnect fog light multi plugs then remove bumper fully.  
Note. If headlamp washers fitted remove washer pipe and drain into bucket or similar.
3. Now remove lower radiator support, its secured by T30 screws and it will not be refitted (space required for new Intercooler). Remove Air flow sensor as shown below and also remove Air deflectors, unclip to remove (tip. They are a bit of a struggle to remove so you can cut them off, just make sure the right hand side can be refitted if putting car ever back to standard as it house the Airflow sensor)



4. Remove left hand side horn bracket and install new Airtec horn bracket, this now locates on the headlamp lower securing bolt, remove bolt install bracket as shown below and secure, if headlamp washers fitted this may required adjustment when refitting bumper. Old horn bracket is used on Right hand side 'don't throw away'



5. Remove Right hand side horn from bracket and remove old bracket, now take the the Left bracket and fit as shown below, we have shown a finished picture to show why it has to be fitted this way. You will need to move Airflow wiring to the Right slightly so it reaches the mount on the intercooler as shown below.

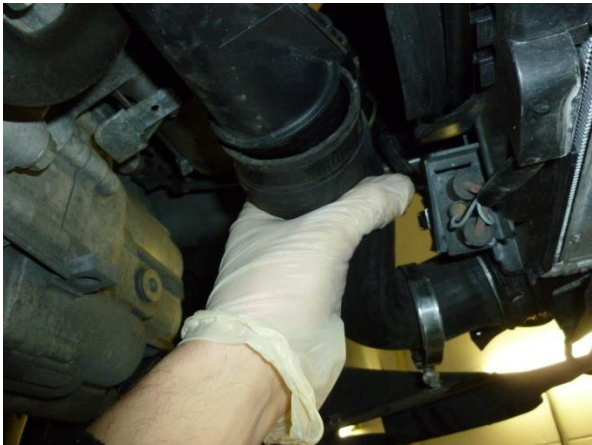




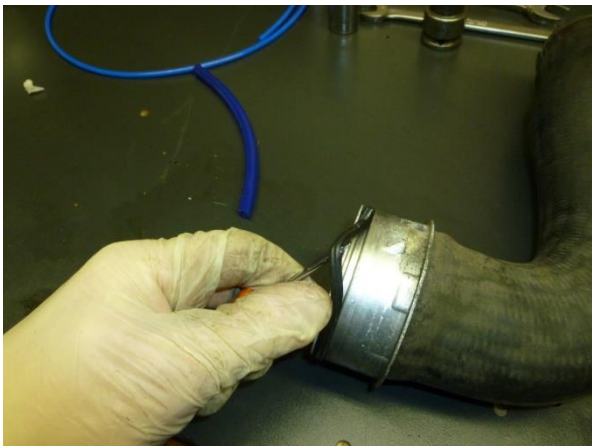
6. Turn Airflow multi as show so it does not fail crash bar, then using the 4 x 10mm self tapping bolts fit to existing bolt holes as shown below.



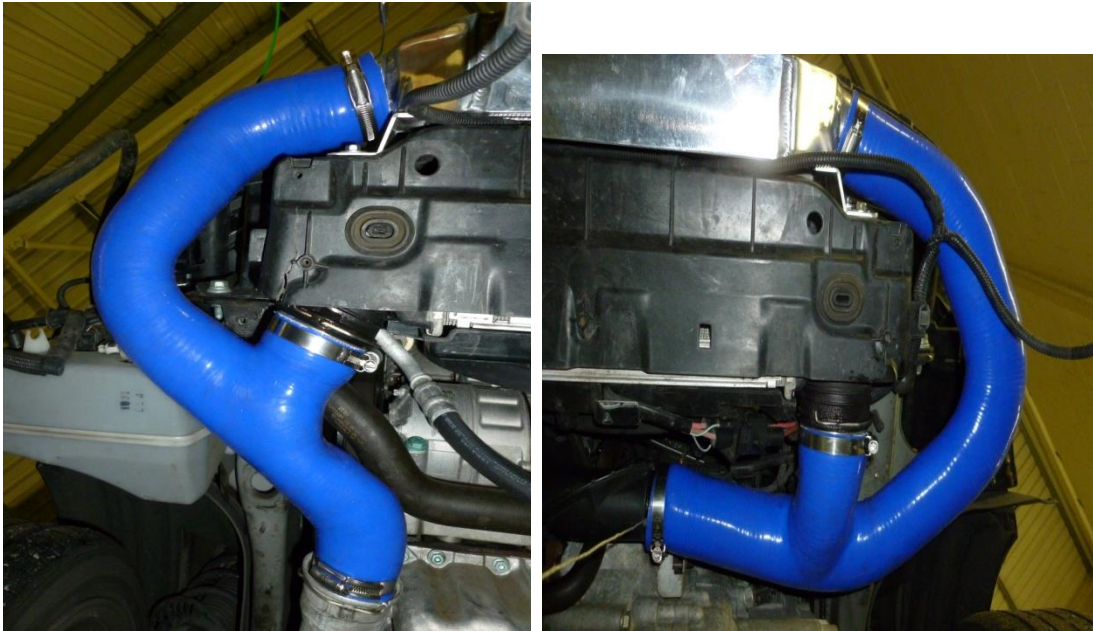
7. With the Intercooler now mounted we need to remove the under tray, this is secured with 8x T20 screws.
8. Now remove standard boost hoses by unclipping metal securing clips, use flat bladed screw driver, right hand side is secured by 1 x spring clip and 1 x standard jubilee clip.



9. Remove seals from old hoses and install onto new billet alloy joiners, 2 x big joiners will go into standard Intercooler and small joiner goes to turbo pipe (closest to left hand side of sump pan) They will only fit in one way, once in re-install metal spring clips.



10. Left hand Pipe layout. It may take a couple of attempts to get the hose fitting correctly and some cutting of the hose at the points. Check twice, cut once! You can cut some more off, but you can add it back on as easy.



11. Place the bumper gently back onto the car, you may need to trim area shown below around the fog light bezel insert to help clear new intercooler. Also check the new silicon boost pipes are not pushing against the corner of the fog light carrier, if so trim corner as show in picture. Tip. On our demo car we remove some extra length off of the boost pipe where is connect to intercooler this help clear fog light carrier.



12. Re-fit bumper and make sure everything is tight, you can now enjoy your new Airtec twinspec Intercooler.

