

## ETS INTERCOOLER INSTALL – BMW 135i

- 1) Check ETS piping is free of any packing peanuts and debris.
- 2) Put car on ramps
- 3) Remove plastic undertray by removing the 16 or so screws holding it in. (electric screwdriver FTW!)
- 4) Remove the second undertray that sits under the intercooler



- 5) Turn and release these tabs to remove bottom intercooler cover.



6) Turn and release the radiator schroud tabs



7) Using a screwdriver pop the intercooler piping clips down on both sides and loosen piping.



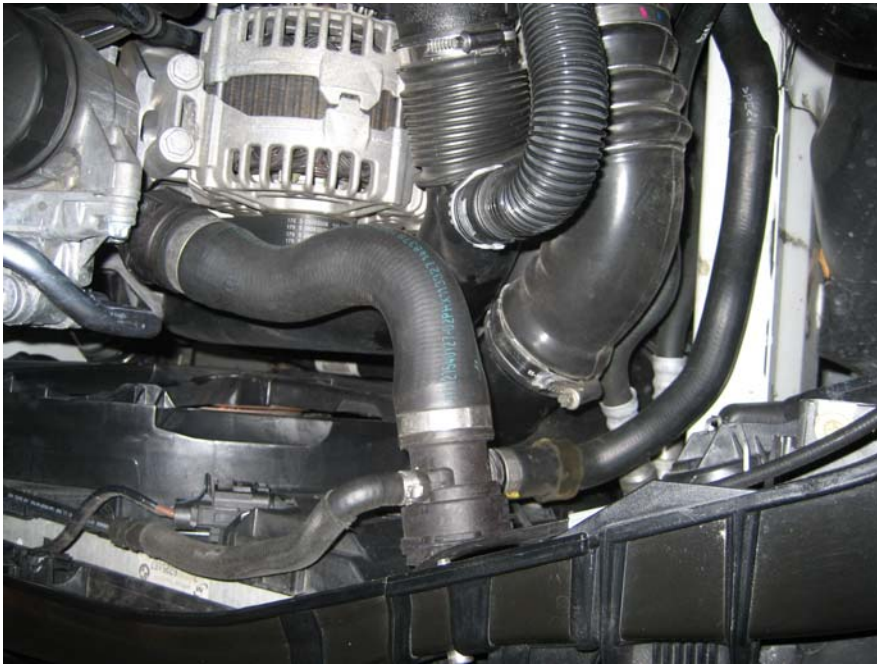
8) Using a torx bit, remove the 2 screws holding the intercooler in place



9) Wiggle intercooler loose and drop it out the bottom.



10) Remove the driver side intercooler piping by loosening factory clamp in the engine bay and pulling piping down



11) Insert EPS driver side piping from the bottom and loosely push into factory clamp.



12) Time to work on passenger side piping. The passenger side doesn't have any ETS piping instead you are replacing the factory accordion rubber with ETS rubber coupler. The problem is the factory coupler is held in place by a permanent clamp that you will have to break / cut free. This is the real trick on this intercooler install.





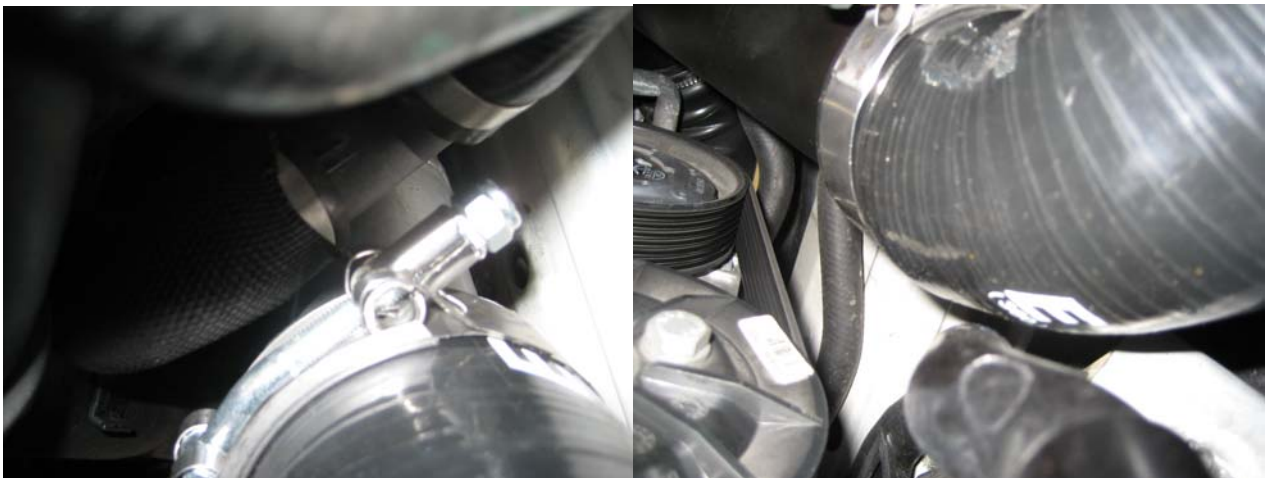
This is not going to be easy and its going to be a hell of a fight. Just try not to bend up the factory piping too bad. Once you do break it free, straighten the factory piping as best you can and move on.

- 13) Put the ETS rubber coupler in place and now start to wiggle the ETS intercooler in place and onto rubber couplers.





- 14) Once you wiggle the new intercooler in place, loosely install the 2 screws which hold it in place, make sure the radiator schroud is being held in place by the 2 tabs on the ETS intercooler. Now it is time to start to wiggle and work all the piping and couplers to make sure everything is on properly and that nothing is rubbing against any other parts. **CHECK YOUR CLEARANCES ON EVERYTHING.**



- 15) Once everything is properly aligned, tighten all clamps including the factory clamp in the engine bay holding the top of the ETS piping. Tighten the screws holding the intercooler.

16) Reinstall the 2 undertrays and go and enjoy your new ETS intercooler

