

TyrolSport upgraded Side-Mount Intercooler install for Beetle 1.8T/TDI.

Tools:

17mm socket/ratchet

10mm socket/ratchet

7mm socket

Flat head screwdriver

T30 torx socket

T25 torx socket

Torque wrench

Dremel or cut off wheel



1. Lift up the front wheel and support the car with a jack stand. Remove the front wheel using a 17mm socket. When reinstalling, torque the wheel bolts to 90 ft-lbs.



2. With the wheel off, the next step is to remove the inner fender liner. The fender liner is held in by several screws at the indicated locations.





3. The passenger side headlight is removed by pressing these tabs and sliding it forward. Once free, the headlight can be unplugged from the wiring harness.



4. Working at the passenger side, the stock side mount intercooler can be removed. We have the bumper removed to make the workspace visible. It is not necessary to remove the bumper for this install.



The MAP sensor is disconnected from the stock intercooler. On TDI models, this step does not apply.



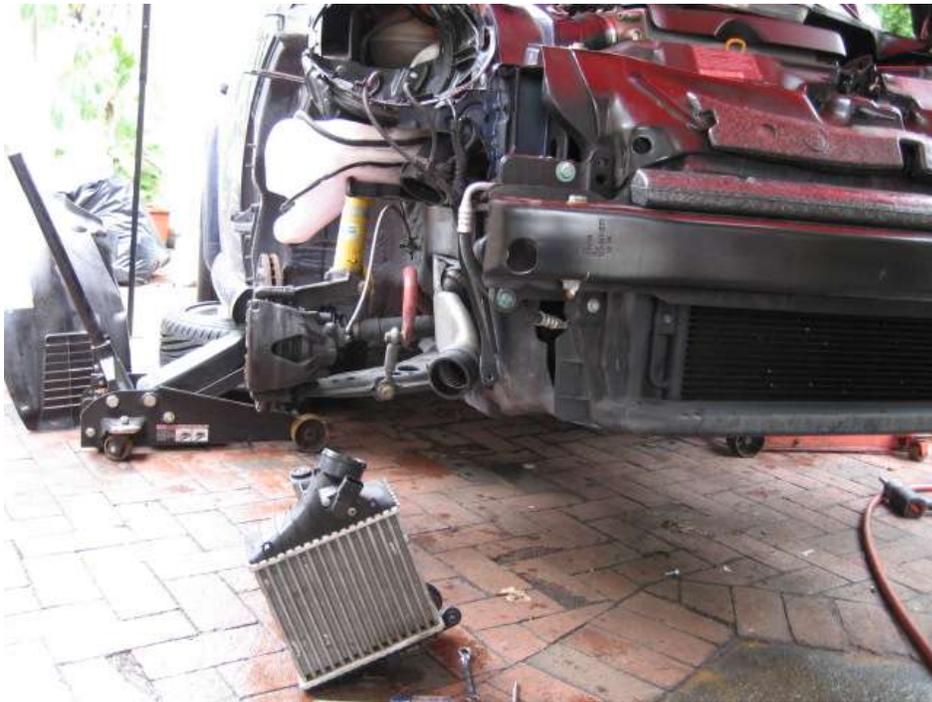
The hose clamps can be loosened with a 7mm socket or flat head screwdriver.



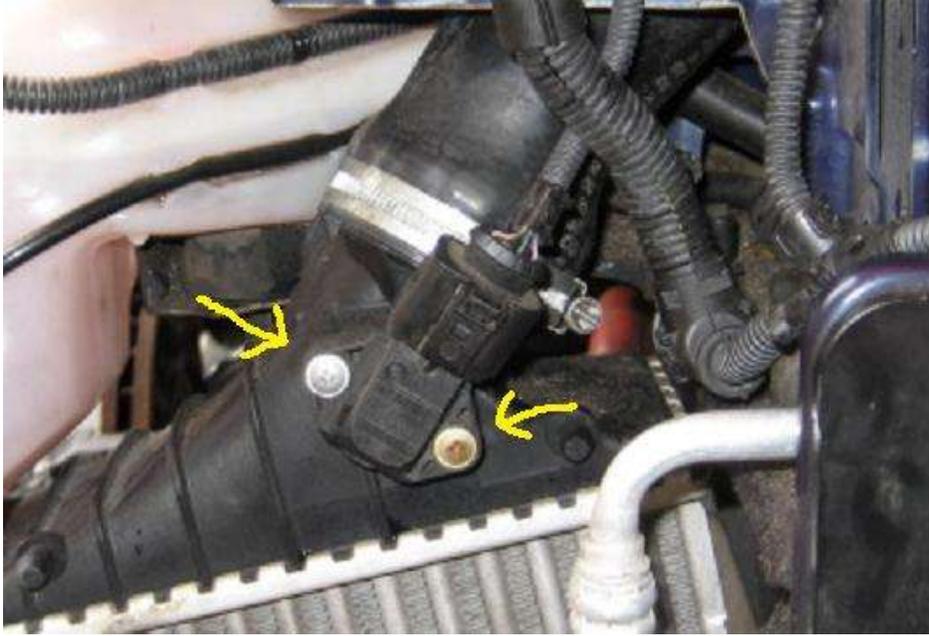
This bolt is removed using a 10mm socket.



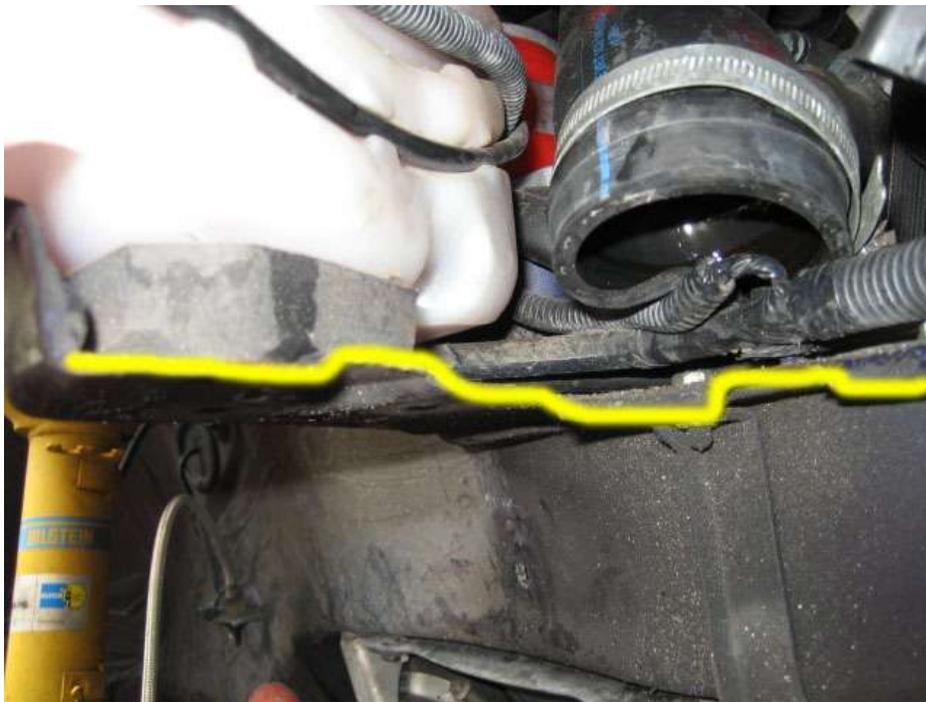
There are two more bolts on the top, and are removed with a 10mm socket. The hose clamp is removed with a 7mm socket or flat head screwdriver.



Stock intercooler removed.



The MAP sensor is held on by two #2 Phillips screws. Once removed, the MAP sensor must be transferred to the TyrolSport SMIC. Use the included hardware to reinstall the MAP to the TyrolSport SMIC. Please make sure that the rubber o-ring attached to the MAP sensor is in good condition with no tears. **This step does not apply to TDI models**



The next step is to trim. This may not be required on some cars. We recommend that you fit the intercooler in place and see if your particular Beetle needs any trimming. The intercooler, when in place, should not touch any metal portions of the car. If it is touching, please trim as noted in the pictures.





The TyrolSport upgraded SMIC can now be installed using the same hardware and mounting points as the stock intercooler.





With the TyrolSport SMIC in place, the fender liner can be re-installed. Do not forget to plug in the MAP sensor and headlight.

Remember to torque the wheel bolts to 90 ft-lbs.