



VW MK6 Intercooler Delete Brackets Installation Instructions - [Click HERE to Shop](#)



Skill Level
2 - Moderate
Some Experience
Recommended



Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

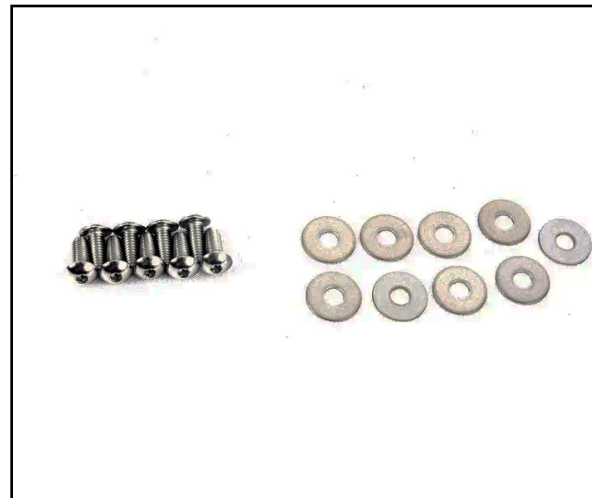
TABLE OF CONTENTS

Required Tools and Equipment.....	pg.3
Installation and Safety Information	pg.4
Project Overview	pg.5
Removing the Stock Intercooler	pg.6
Installing the Intercooler Delete Brackets	pg.17
Schwaben Tools	pg.23

KIT CONTENTS



Intercooler Delete Brackets



Hardware

REQUIRED TOOLS

Note: The tools required for each step will be listed by the step number throughout these instructions.

Standard Automotive Tools

- Protecta-Sockets (for lug nuts)..... [ES#2221243](#)
- **3/8" Drive Ratchet**..... [ES#2765902](#)
- 3/8" Drive Torque Wrench..... [ES#2221245](#)
- **3/8" Drive Deep and Shallow Sockets** [ES#2763772](#)
- **3/8" Drive Extensions** [ES#2804822](#)
- **Hydraulic Floor Jack** [ES#2834951](#)
- **Torx Drivers and Sockets** [ES#11417/8](#)
- 1/2" Drive Deep and Shallow Sockets..... [ES#2839106](#)
- 1/2" Drive Ratchet
- 1/2" Drive Extensions
- 1/2" Drive Torque Wrench..... [ES#2221244](#)
- 1/2" Drive Breaker Bar [ES#2776653](#)
- Bench Mounted Vise
- Crows Foot Wrenches
- **Hook and Pick Tool Set**..... [ES#2778980](#)

Required For This Install

Available On Our Website

- **1/4" Drive Ratchet**..... [ES#2823235](#)
- **1/4" Drive Deep and Shallow Sockets**..... [ES#2823235](#)
- **1/4" Drive Extensions**..... [ES#2823235](#)
- Plier and Cutter Set..... [ES#2804496](#)
- **Flat and Phillips Screwdrivers** [ES#2225921](#)
- **Jack Stands** [ES#2763355](#)
- Ball Pein Hammers
- Pry Bar Set..... [ES#1899378](#)
- Electric/Cordless Drill
- Wire Strippers/Crimpers
- Drill Bits
- Punch and Chisel Set
- **Hex Bit (Allen) Wrenches and Sockets** [ES#11420](#)
- Thread Repair Tools [ES#1306824](#)
- Open/Boxed End Wrench Set [ES#2765907](#)

Specialty Tools

- **Protecta-Sockets (for lug nuts)** [ES#2221243](#)

INSTALLATION NOTES

- **RH** refers to the *passenger side* of the vehicle.
- **LH** refers to the *driver side* of the vehicle.
- Always use the proper torque specifications.
- If applicable to this installation, torque specifications will be listed throughout the document and at the end as well.
- Please read all of these instructions and familiarize yourself with the complete process **BEFORE** you begin.

GENERAL PREPARATION AND SAFETY INFORMATION

ECS Tuning cares about your health and safety, please read the following safety information. This information pertains to automotive service in general, and while it may not pertain to every job you do, please remember and share these important safety tips.

- Park your car in a safe, well lit, level area.
- Shut the engine off and remove the key from the ignition switch.
- Make sure any remote start devices are properly disabled.
- **ALWAYS** wear safety glasses.
- Make sure the parking brake is applied until the vehicle is safely lifted and supported.
- Whether lifting a vehicle using an automotive lift or a hydraulic jack, be sure and utilize the factory specified lift points.
- Lifting a vehicle in an incorrect location can cause damage to the suspension/running gear.
- **ALWAYS** support the vehicle with jack stands.
- **ALWAYS** read and follow all safety information and warnings for the equipment you are using.



NEVER get underneath a vehicle that is supported only by a jack, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.

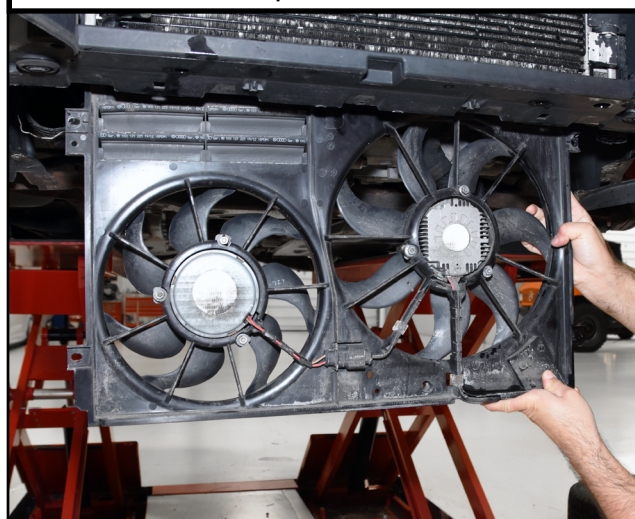
PROJECT OVERVIEW

A front mount intercooler sits in front of the core support and includes hoses which completely bypass the OE intercooler. These are a great upgrade for any MK6, however, they leave behind the bulky OE intercooler which then becomes dead weight, restricting airflow to the radiator. Unfortunately, you cannot simply remove the OE intercooler altogether because it secures the A/C condenser, radiator, and fan shroud to the core support.

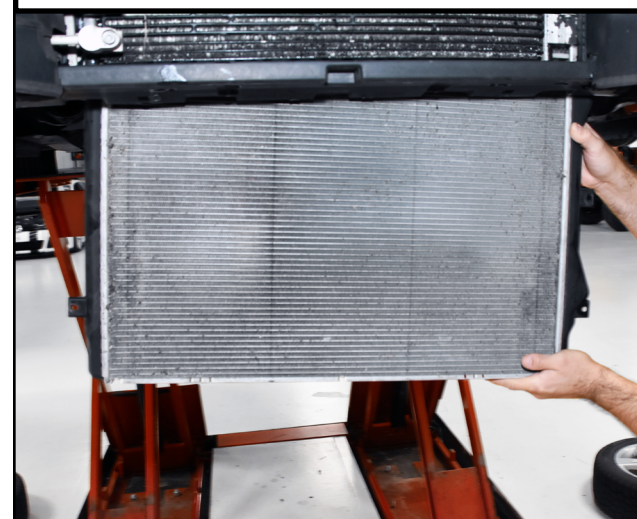
Our delete brackets are designed to take the place of the OE intercooler while still retaining the mounting points for the other components, thus eliminating unnecessary weight and allowing more air to flow through to the radiator.

There are several ways to install these delete brackets. You may opt to remove the front bumper, headlights, lock carrier, and core support, then remove the intercooler and install the brackets in its place. However, in these instructions, we opted to leave the core support installed, and instead remove the fan shroud and radiator to gain access to the intercooler.

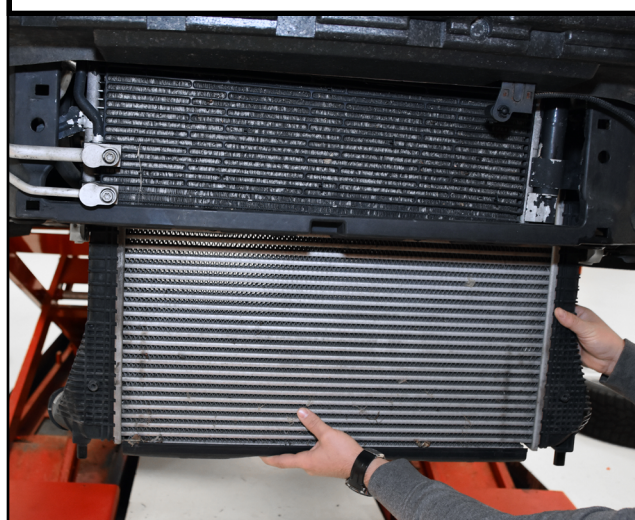
#1: Remove bumper, etc. then fan shroud



#2: Drain coolant then remove radiator



#3: Remove OE intercooler from vehicle



#4: Install intercooler delete brackets



REMOVING THE STOCK INTERCOOLER

Step 1: T25 Torx

Before we begin, disconnect the negative (-) battery cable from the battery and remove the air box.

Remove the four screws (circled in **YELLOW**) which secure the grille to the core support.



This installation was completed on a vehicle equipped with a TSI engine, installation on FSI applications may vary slightly.



Step 2:

Remove the grille by pulling it towards the front of the vehicle until it pops free from the bumper.



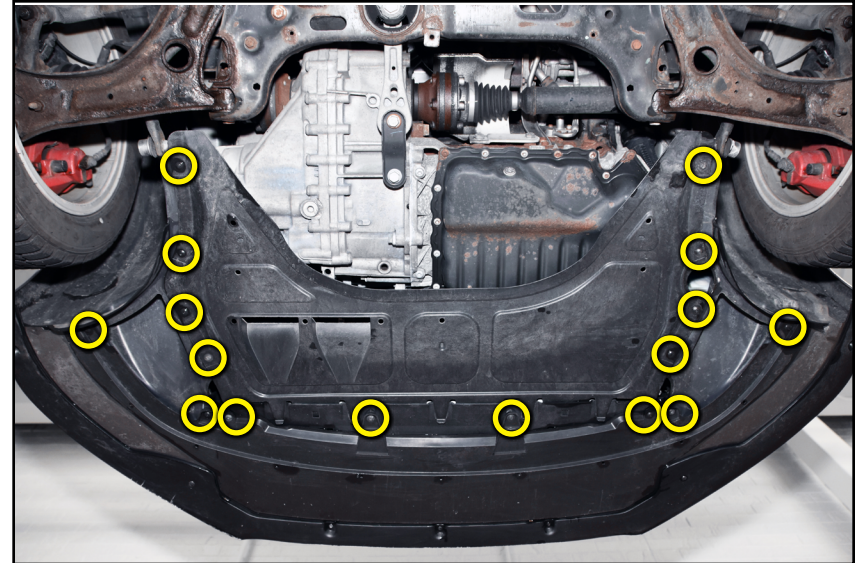
Certain models have two additional screws behind the grille which secure the bumper to the core support. Remove them as well.



REMOVING THE STOCK INTERCOOLER

Step 3: T25 Torx

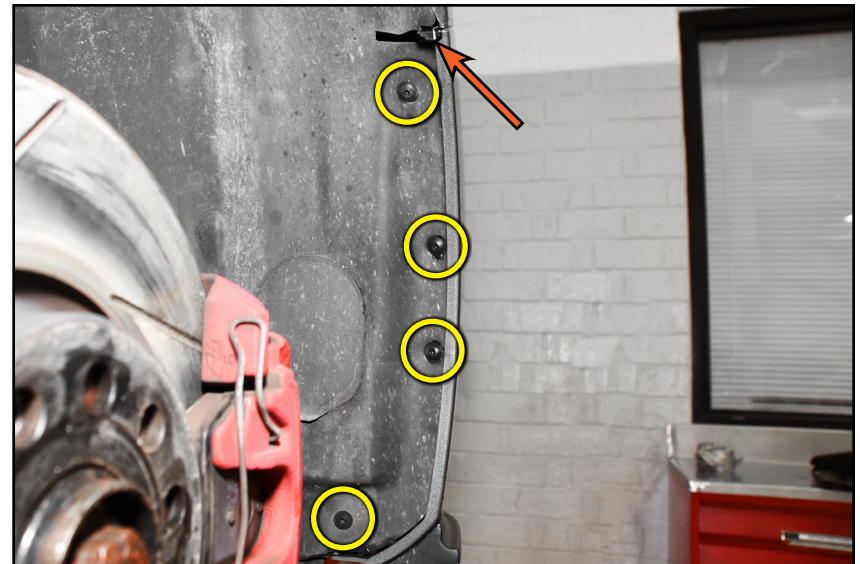
Remove the screws (circled in **YELLOW**) which secure the belly pan, fender liners, and bumper cover to the vehicle. Remove the belly pan.



Step 4: T25 Torx

Remove the front wheels then remove the screws (circled in **YELLOW**) which secure each fender liner to the bumper cover.

Remove the vertical screw (arrow) which secures the corner of the bumper to the fender.



REMOVING THE STOCK INTERCOOLER

Step 5:

Before removing the bumper cover, disconnect the fog light connectors (arrows) if equipped.



Step 6:

Carefully (but firmly) pull the bumper cover free from the fenders as shown.



REMOVING THE STOCK INTERCOOLER

Step 7:

Carefully remove the bumper cover and set it aside.



Step 8: 11mm Socket & Ratchet

Remove the intercooler inlet coupler (highlighted in **RED**) from the vehicle.



REMOVING THE STOCK INTERCOOLER

Step 9: 11mm Socket & Ratchet

Remove the intercooler outlet coupler (highlighted in **RED**) from the vehicle.



If you already have a front mount intercooler kit installed, you may want to remove it now to gain additional room to work.

Step 10:

Disconnect the coolant temperature sensor connector (arrow).



REMOVING THE STOCK INTERCOOLER

Step 11:

Pry up on the red fan connector tab, then depress it and pull the connector free.



Step 12: Pick Tool

Place a drain pan below the vehicle to catch any spills. Pry up on the lower radiator hose retaining clip, then pull the hose (highlighted in **RED**) off to drain the cooling system.



REMOVING THE STOCK INTERCOOLER

Step 13: Pick Tool

Leave the drip pan in place to catch any spills. Pry up on the upper radiator hose retaining clip, then pull the hose (highlighted in **RED**) off of the radiator inlet to drain the cooling system.



Step 14: T30 Torx

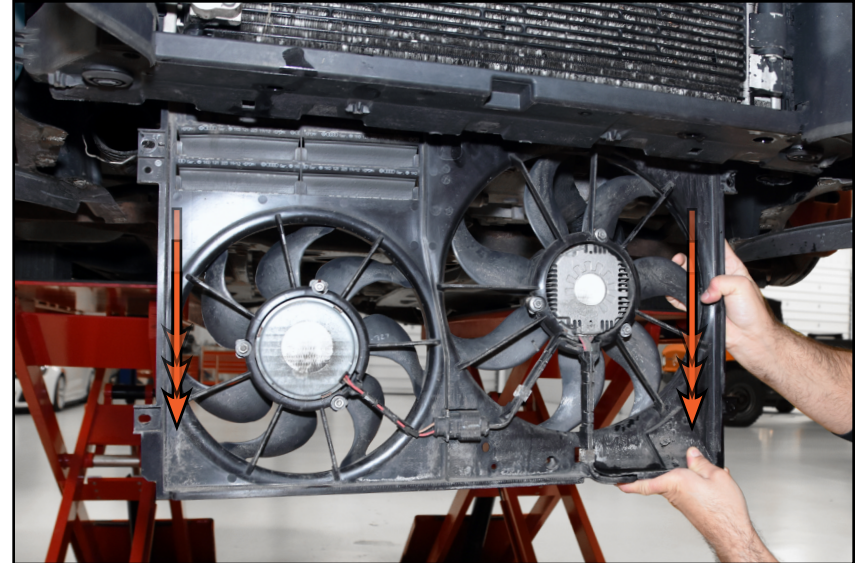
Remove the four screws (circled in **YELLOW**) which secure the fan shroud to the back of the radiator.



REMOVING THE STOCK INTERCOOLER

Step 15:

Carefully guide the fan shroud down and out from the vehicle as shown.



Step 16: T30 Torx

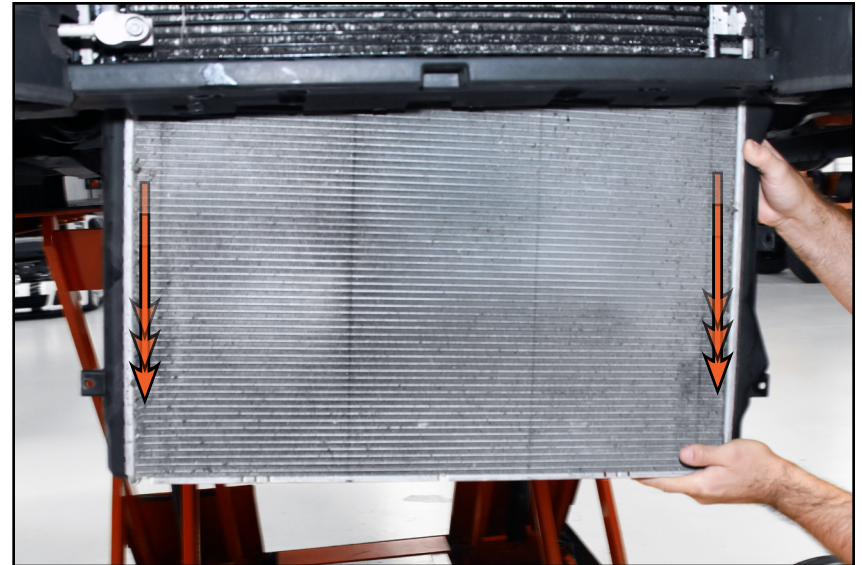
Remove the four screws (circled in **YELLOW**) which secure the radiator to the back of the intercooler.



REMOVING THE STOCK INTERCOOLER

Step 17:

Carefully guide the radiator down and out from the vehicle as shown.



Step 18: T30 Torx

If equipped, loosen the three screws (arrows) and remove the upper air guide (highlighted in **RED**).



REMOVING THE STOCK INTERCOOLER

Step 19:

Locate and remove the two plastic air shrouds (highlighted in **RED**) which are clipped into the front of the core support.

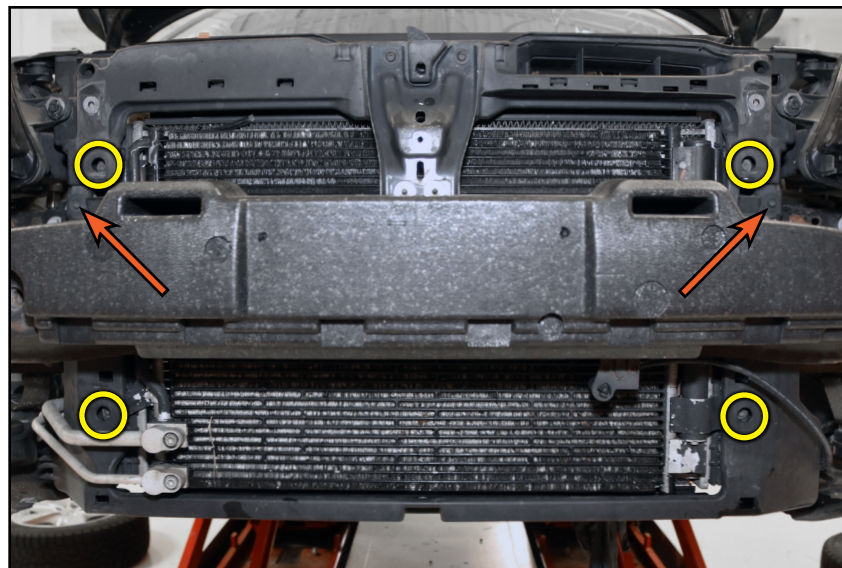


Step 20:

Remove the four screws (circled in **YELLOW**) which secure the A/C condenser to the intercooler, then remove the two screws (arrows) which secure the intercooler to the core support.



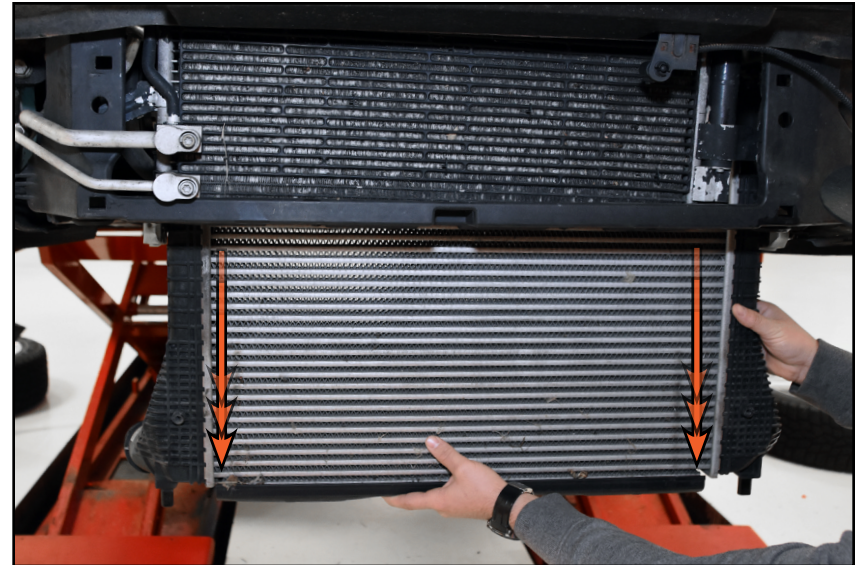
Certain models have a core support with no access holes to reach the A/C condenser screws. If this is the case, lift up on the intercooler to pop it free from the mounting grommets, then pull it away from the core support far enough to gain access to the four screws.



REMOVING THE STOCK INTERCOOLER

Step 21:

Lift the intercooler up slightly to free it from the mounting grommets, then slide it down and out behind the core support.



Step 22:

Pull the two upper intercooler mounts (arrows) off of the intercooler.



INSTALLING THE INTERCOOLER DELETE BRACKETS

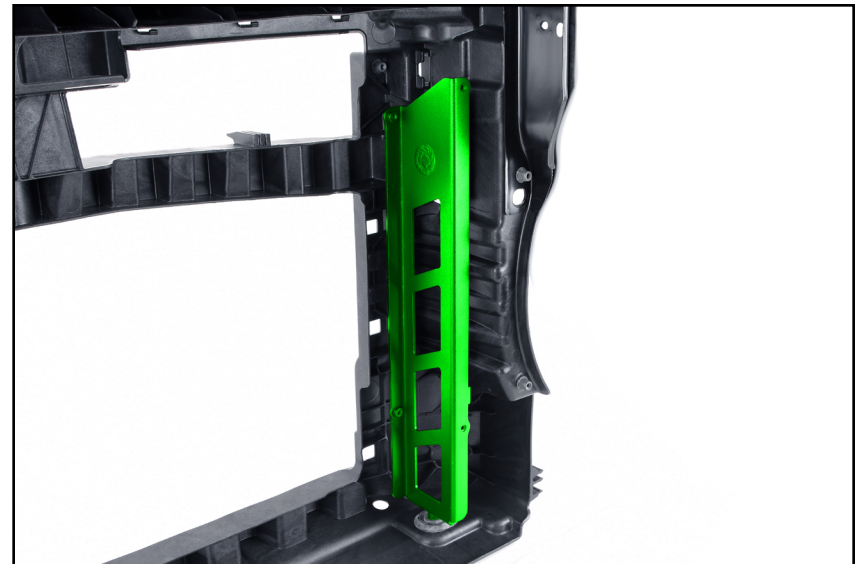
Step 1:

Slide the two upper mounts onto the intercooler delete brackets as shown.



Step 2:

Install each bracket (highlighted in **GREEN**) into place so that the post on the bottom slides into the rubber grommet in the core support, and the upper mount slides into the slot along the side of the core support.



INSTALLING THE INTERCOOLER DELETE BRACKETS

Step 3: 4mm Hex (Allen), T30 Torx

Install four of the provided screws and washers (circled in **YELLOW**) to secure the A/C condenser to the brackets, then reinstall the two screws (arrows) to secure the upper mounts to the core support.



Step 4: 4mm Hex (Allen)

Lift the radiator back into place, then install the remaining four screws and washers (circled in **YELLOW**) to secure it to the back of the brackets.



INSTALLING THE INTERCOOLER DELETE BRACKETS

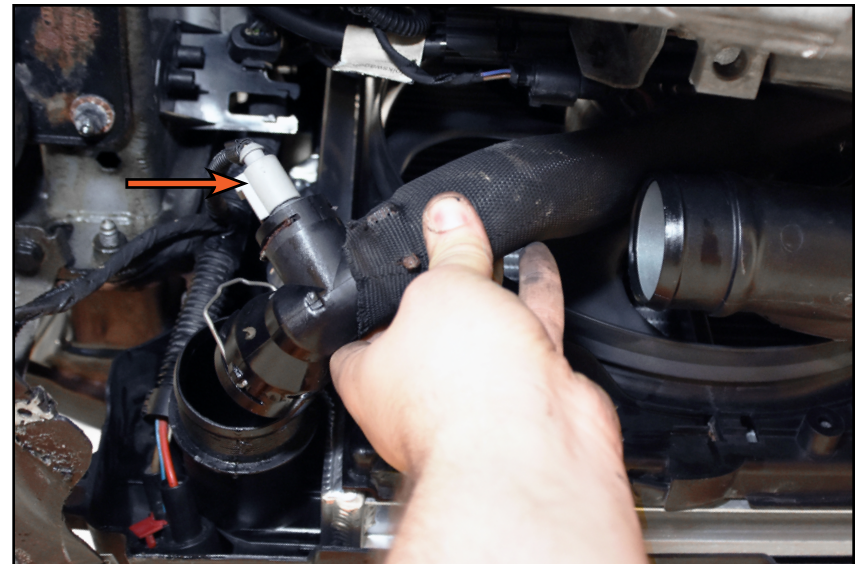
Step 5: T30 Torx

Lift the fan shroud back into place and reinstall the four screws (circled in **YELLOW**) to secure it to the back of the radiator.



Step 6:

Reconnect the coolant temperature sensor connector (arrow) as shown.



INSTALLING THE INTERCOOLER DELETE BRACKETS

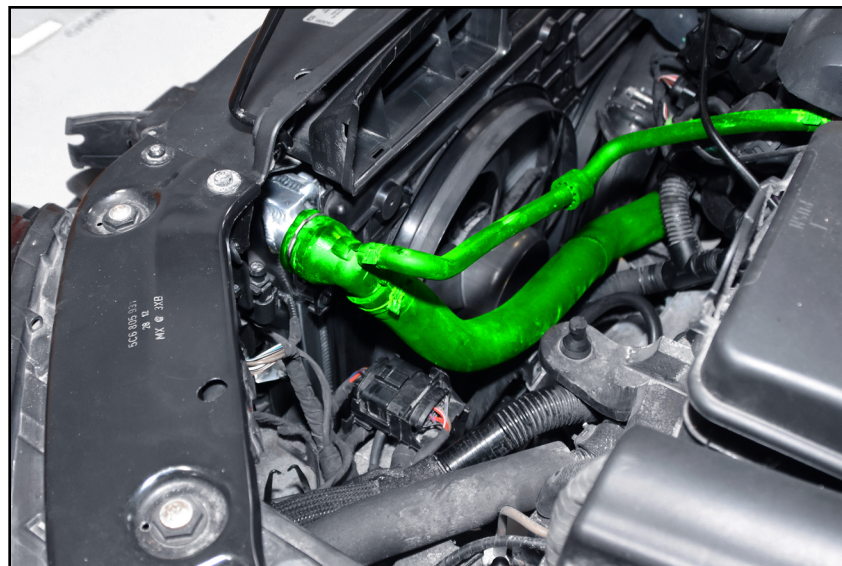
Step 7:

Slide the lower radiator hose (highlighted in **GREEN**) onto the radiator as far as it will go, then slide the retaining clip back into place. Give the hose a quick tug to ensure it is fully seated.



Step 8:

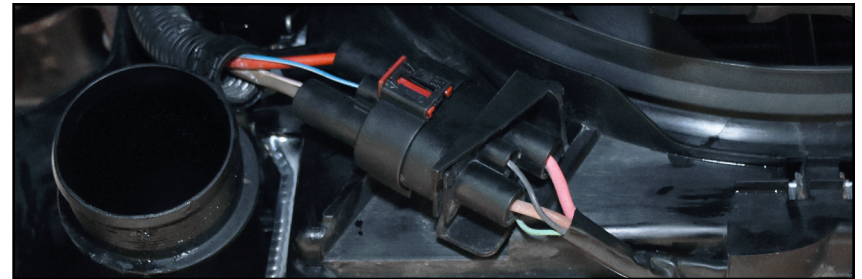
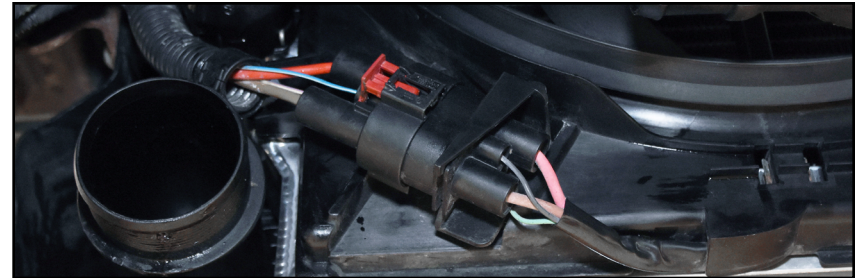
Slide the upper radiator hose (highlighted in **GREEN**) onto the radiator as far as it will go, then slide the retaining clip back into place. Give the hose a quick tug to ensure it is fully seated.



INSTALLING THE INTERCOOLER DELETE BRACKETS

Step 9:

Slide the fan connector back into place and push the red tab back down to lock it in place.



Step 10: T25 Torx

Reinstall the bumper cover, fog light connectors, belly pan and grille.



INSTALLING THE INTERCOOLER DELETE BRACKETS

Step 11:

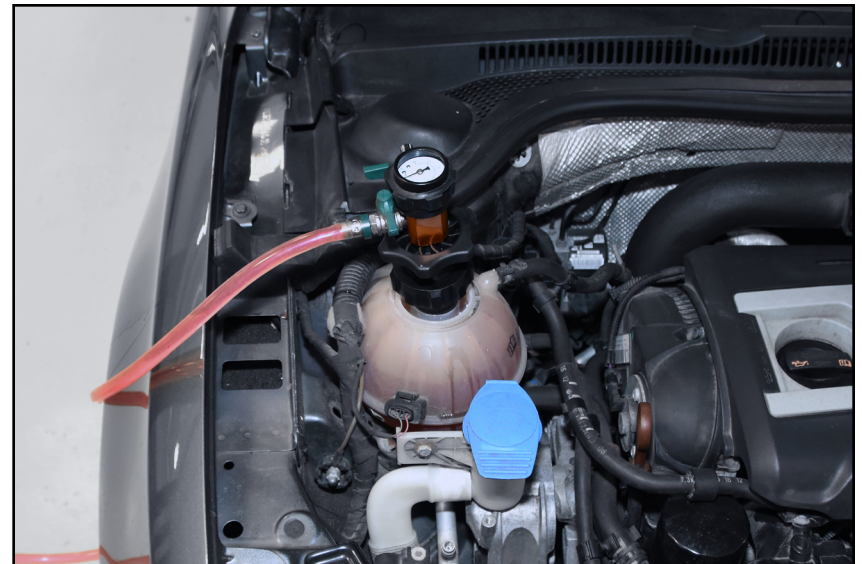
Reinstall the intake and reconnect the negative (-) battery cable.



Step 12:

Fill and bleed the coolant system.

Congratulations, your installation is complete!



SCHWABEN - BUILD THE ULTIMATE TOOL COLLECTION

At ECS Tuning, we carry a line of high quality Schwaben Tools and Equipment to help you build your ultimate tool collection. Never before has affordability and quality been so closely related. Our entire Schwaben line is subjected to strict in house testing for strength and durability. See what we have to offer and equip your garage without breaking the bank.

Your Intercooler Delete Brackets installation is complete!



These instructions are provided as a courtesy by ECS Tuning

Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

Although this material has been prepared with the intent to provide reliable information, no warranty (express or implied) is made as to its accuracy or completeness. Neither is any liability assumed for loss or damage resulting from reliance on this material. SPECIFICALLY, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER WARRANTY IS MADE OR TO BE IMPLIED WITH RESPECT TO THIS MATERIAL. In no event will ECS Tuning, Incorporated or its affiliates be liable for any damages, direct or indirect, consequential or compensatory, arising out of the use of this material.