



AWE-Tuning Front Mount Intercooler for 2005.5-> B7 Audi A4 2.0T

Congratulations on your purchase of the AWE Tuning Front Mount Intercooler for your Audi. Hundreds of hours of design and operational testing were spent to ensure maximum results without compromise. You have truly selected the best performing intercooler kit for the 2.0T engine.

While the install is fairly straight forward, please review these instructions carefully before attempting installation. If you do not feel comfortable installing this kit on your own, contact a professional installer in your area.

Parts list:

1	Intercooler core (at A in Figure 1)	2	M6x1x16mm allen head bolt
1	Turbo outlet pipe (at B in Figure 1)	2	2" foam strip
1	Core inlet pipe (at C in Figure 1)	2	#12 coarse thread screw
1	Core outlet pipe (at D in Figure 1)	1	3/8" male barbed hose coupler
1	Throttle inlet pipe (at E in Figure 1)	5	2.5" silicone coupler
1	Power steering cooler	1	1.875" silicone coupler
1	7" power steering fluid hose	2	M8 x 70mm bolt
2	2.25" stainless T-bolt clamp		
10	2.875" stainless T-bolt clamp		
4	10-16mm hose clamp		
2	M6x1x45mm bolt		
2	M6 12mm metal washer		
2	M6 18mm metal washer		
4	Silicone washer		
2	M6 nylock nut		

Required tools and materials:

Selection of screwdrivers
 Selection of sockets and a ratchet
 Torx bits

Estimated install time:

3.5 hrs

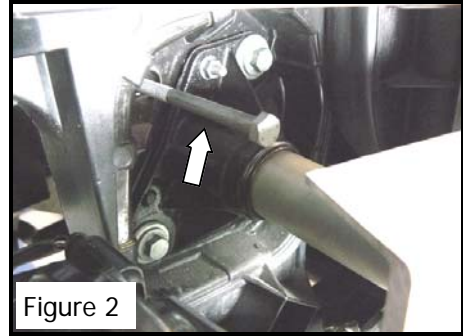


Step 1:

Remove the front bumper, turbo outlet hose, intercoolers and shrouds, throttle body inlet hose, the plastic shrouds that run vertically on either side of the coolant radiator and the power steering cooler hard line that runs in front of the radiator. Unclip the outside air temperature sensor from power steering cooler.

Unclip the MAP sensor wiring harness and then remove the MAP sensor from the driver side intercooler.

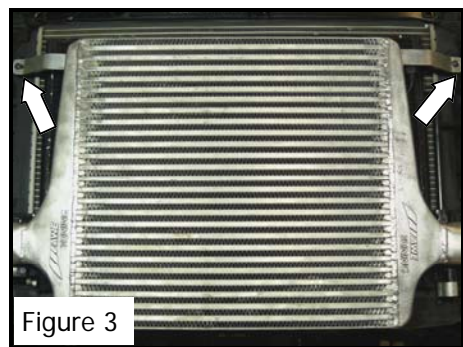
Install the included M8 x 70mm bolts (at arrow in Figure 2) to prevent the radiator assembly from shifting. Now remove the bumper reinforcement bar as one piece with the bumper dampers still attached.



Step 2:

Remove the two factory Torx screws that secure the A/C condenser to radiator at arrows in Figure 3.

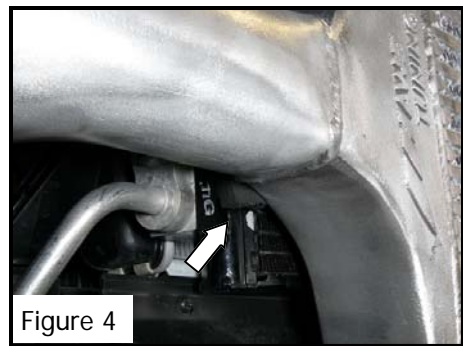
Hang the AWE Tuning core as shown using the included Phillips head coarse thread screws. Leave these screws slightly loose to allow for adjustment.



Step 3:

Carefully pull the bottom of the core away from the front of the car (loosen the mounting screws slightly if necessary) and apply a piece of the included adhesive backed foam to the A/C condenser as shown at arrow in Figure 4. Make sure the intercooler core rests on this foam.

Repeat this step behind the driver side of the core, too.



Step 4:

On the passenger side attach the core inlet pipe to the core using a 2.5" silicone coupler and two 2.875" T-bolt clamps.

Attach the turbo outlet pipe to the core inlet pipe using a 2.5" coupler and two 2.875" T-bolt clamps.

Attach the turbo outlet pipe to the turbo using a 1.875" silicone coupler and two 2.25" T-bolt clamps.

Leave the clamps slightly loose at this time to ease final alignment.



Step 5:

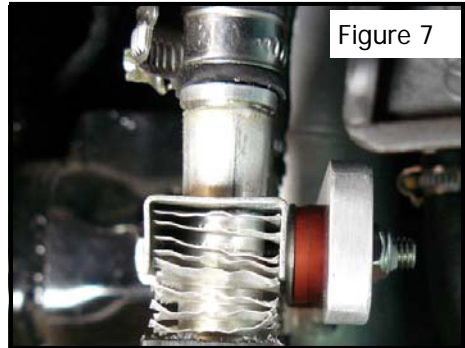
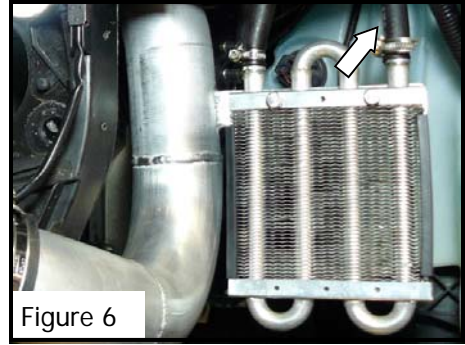
On the driver side attach the power steering hoses to the new cooler as shown in Figure 6 using the included 10-16mm hose clamps. Use the included 7" hose and 3/8" barbed fitting to extend the return hose marked with the arrow.

Position the core outlet pipe as shown and attach the power steering cooler to it as shown in Figure 7.

From left to right in Figure 7, the fastener order is:

M6 bolt, 12mm metal washer, (cooler), 18mm metal washer, two silicone washers, (bracket), nylock nut.

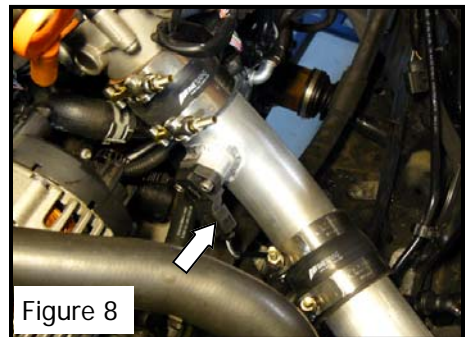
Attach the intercooler outlet pipe to the core using a 2.5" silicone coupler and two 2.875" T-bolt clamps.



Step 6:

Attach the throttle inlet pipe to the throttle body with a 2.5" silicone coupler and two 2.875" T-bolt clamps. Install MAP sensor on the inlet pipe, using the included M6 allen head bolts. Note the orientation of the MAP sensor at arrow in Figure 8. Make sure the wiring connector faces downwards towards the direction on the intercooler outlet pipe as shown.

Use a 2.5" silicone coupler and two 2.875" T-bolt clamps to attach the inlet pipe to the intercooler outlet pipe.



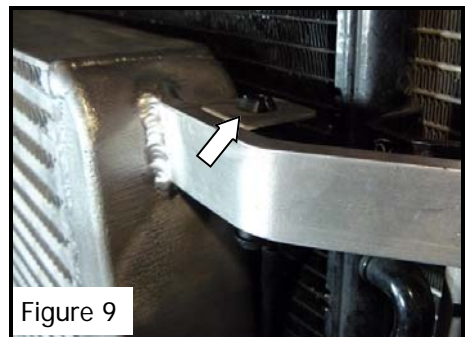
Step 7:

Plug the outside air temperature sensor into its mounting bracket at arrow in Figure 9.

Test fit the bumper reinforcement bar and bumper cover to check for proper clearance. Adjust the intercooler alignment if necessary.

Tighten all hose clamps and fasteners. Reinstall the bumper reinforcement bar and bumper cover.

Start car and turn steering wheel lock to lock several times. Top off the power steering fluid and check levels after first drive.



Contact us with any questions:

1-888-565-2257

215-658-1670

sales@awe-tuning.com



INNOVATION | DESIGN | COMPETITION

**AWE Tuning
2385C Maryland Rd
Willow Grove, PA 19090**

**215.658.1670
www.awe-tuning.com**

Thank you for choosing A.W.E. Tuning as your performance automotive parts supplier. Please remember that a performance car is only as strong as its weakest link. Therefore, it is vital that you maintain your vehicle to factory specifications.

By installing or using the purchased product, the Consumer accepts this warranty and any specific Manufacturer warranties enclosed.

Limited Warranty

The following warranty is valid only in the United States.

The Manufacturer's full warranty applies to all products sold.

Secor Ltd. (AWE Tuning) warrants to the original retail purchaser (Consumer) AWE Tuning Inter-cooler for 1 year after the purchase date for Manufacturer's defect.

Upon verification of warranty coverage, A.W.E. Tuning will repair or replace the defective product at their discretion, without charge. This is the only remedy the Consumer has for any loss or damage, however arising, due to nonconformity in or defect of the product. This warranty does not cover consequential damage, loss of time or revenues, inconvenience, loss of use of vehicle, damage to the vehicle or components, or other incidental or indirect damage.

All warranties are void if the product was not installed by a certified auto mechanic, improperly serviced, modified, or used in a way not intended by the Manufacturer. Use of product in Motorsports or Racing conditions is grounds for warranty denial. Motorsports and Racing is an inherently abusive operational condition, and it is impossible to warranty for this type of usage.

The Consumer is responsible for ensuring that the product is installed in a safe and proper manner, and should cease usage of the product immediately if an unsafe or improper condition is noted. If an unsafe or improper condition is noted, the Consumer should then immediately contact the facility where the product was installed or A.W.E. Tuning directly.

Please contact the original place of purchase for any warranty claims or explanations of this document.