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AWE TUNING
INNOVATION | DESIGN | COMPETITION

AWE Tuning Front Mount Intercooler Kit for 2002-05 Audi 1.8T

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 1.8T 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 Arrow A in Figure 1 below*
2	Core bracket	*at Arrows B in Figure 1 below*
1	Turbo outlet pipe	*at Arrow C in Figure 1 below*
1	Core inlet pipe	*at Arrow D in Figure 1 below*
1	Core outlet pipe	*at Arrow E in Figure 1 below*
1	Throttle inlet pipe	*at Arrow F in Figure 1 below*
2	2.50" Stainless T-Bolt clamp	
2	20-32mm hose clamp	
2	25-40mm hose clamp	
6	40-60mm hose clamp	
2	50-70mm hose clamp	
2	60-80mm hose clamp	
2	M8x25mm bolt, nut, washer	
2	M6x15mm allen bolt	
2	8" zip tie	
3	2" silicone coupler	*at Arrows 1 in Figure 1 below*
2	2" to 2.25" silicone coupler	*at Arrows 2 in Figure 1 below*
1	2.50" silicone coupler	*at Arrow 3 in Figure 1 below*
1	1" silicone coupler	*at Arrow 3 in Figure 1 below*

Required tools and materials:

Selection of screwdrivers
Selection of sockets and a ratchet
T30 Torx bit
Dremel/Whizzer with cut off wheel or Body saw

Estimated install time:

3.5 hrs

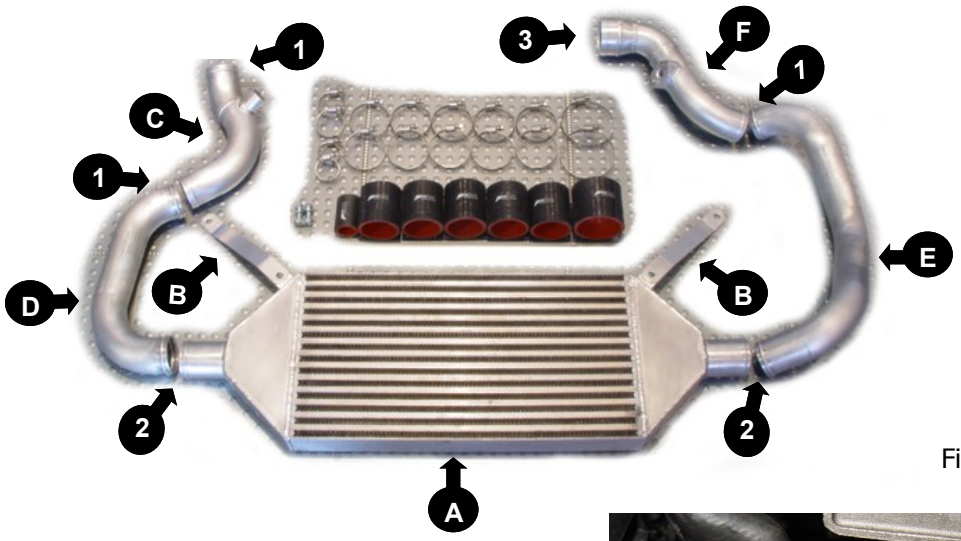

Figure 1

Step 1:

Remove the front bumper, turbo outlet hose, intercooler and shroud, throttle inlet hose, and the plastic shrouds that run vertically on either side of the coolant radiator.

On the passenger side of the car, install the AWE Tuning turbo outlet pipe first, using a 2" silicone coupler and the two **T-Bolt** clamps. Attach the diverter valve hose assembly to the outlet pipe using the 1" diameter coupler and two 25-40mm hose clamps. Use the two 20-32mm hose clamps to replace the single use factory clamps that need to be removed in order to reorient the plastic t-fitting as shown in Figure 2 (at arrow). Leave all the hose clamps slightly loose at this time to ease final alignment.

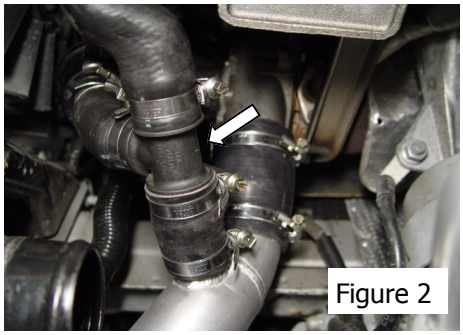

Figure 2

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Step 2:

On the driver side of the car, install the throttle inlet pipe next, attaching the pipe to the throttle body with the 2.5" silicone coupler and two 60-80mm hose clamps. Using the enclosed 6mm allen head bolts, mount the boost pressure sensor that was originally mounted on the stock intercooler to the flange on the inlet pipe.

Install the core outlet pipe next using a 2" to 2.25" silicone coupler and one 50-70mm and one 40-60mm hose clamps.

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

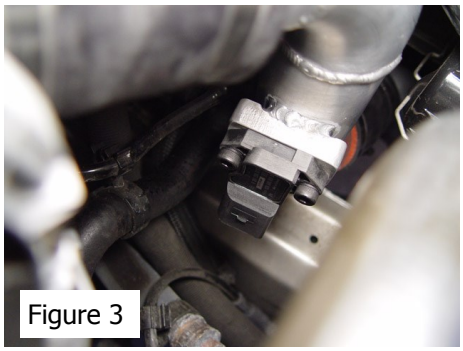
Figure 3

Step 3:

Unclip the power steering metal cooler hose that runs in front of the radiator and move it aside. Mount the intercooler core using the enclosed brackets and M8 bolts with nuts and washers. Install brackets on either side as shown in Figure 4. **The longer of the two brackets installs on the driver side.** Leave the bolts slightly loose at this time to ease final alignment.

Attach the core inlet pipe using a 2" to 2.25" silicone coupler and one 50-70mm and one 40-60mm hose clamps.

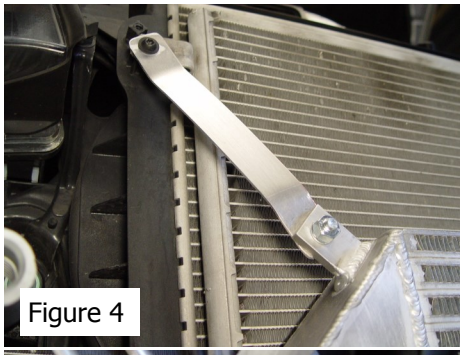
Figure 4

Step 4:

Route the power steering metal cooler hose under the driver side intercooler core bracket and ziptie it to the AC line as shown in Figure 5.

At this point, ensure that all the intercooler pipes are fully seated in their couplers. Rotate pipes if necessary to get a proper fit. There will be some contact between pipes and some components, but as long as the sharp edges of hose clamps are not rubbing on anything, this will not be a problem. Tighten down all hose clamps and bracket bolts after ensuring proper install.

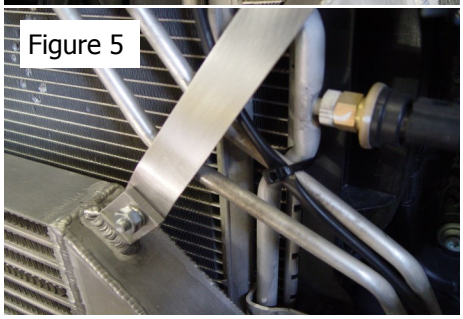
Figure 5

Step 5:

After installing the intercooler, minor trimming of the bumper is required.

Trim the rear corner of the passenger side fog light adjuster as shown in Figure 6. Be careful not to cut too much of it off. It needs to be cut only a few millimeters on an angle to clear the core inlet pipe.

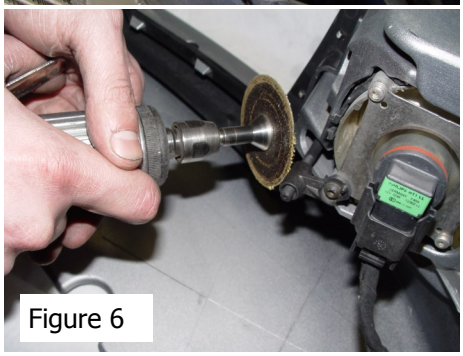
Figure 6

Step 6:

Trim the plastic braces of the lower bumper cover as shown in Figure 7. Test fit the bumper to check for proper clearance after trimming these areas. The rear faces of the bumper corner grilles will also need slight trimming to clear the core inlet and outlet pipes. Alternatively, these grilles can be removed.

Recheck all hose clamps for tightness, and then reattach the bumper to complete your AWE Tuning intercooler install.

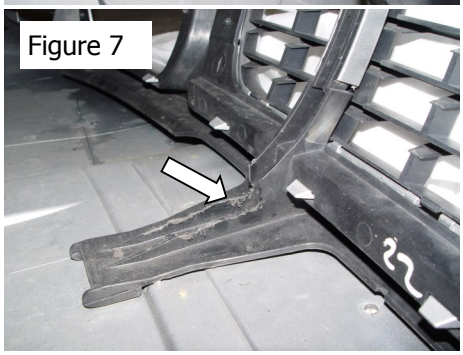
Figure 7

Contact us with any questions:

1-888-565-2257 215-658-1670 sales@awe-tuning.com

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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 Intercooler 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.