



INSTALLATION GUIDE

2000-04 2.7T Intercooler System

FOR RACING USE ONLY

Congratulations on your purchase of the AWE Tuning Intercooler System for the 2002-04 Audi 2.7T engine.

Exquisite build quality with industry leading performance distinguishes this intercooler system from all others.

Contact us with any installation questions.

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AWE-Tuning.com

performance@AWE-Tuning.com

PARTS LIST

- 1 Driver side intercooler
- 1 Passenger side intercooler
- 1 Driver side air duct
- 1 Passenger side air duct
- 2 M8x30x1.25 bolt
- 2 M8x24x2mm flat washer
- 4 M6x20x1.00 bolt
- 8 M6 flat washer
- 4 M6 nylok nut

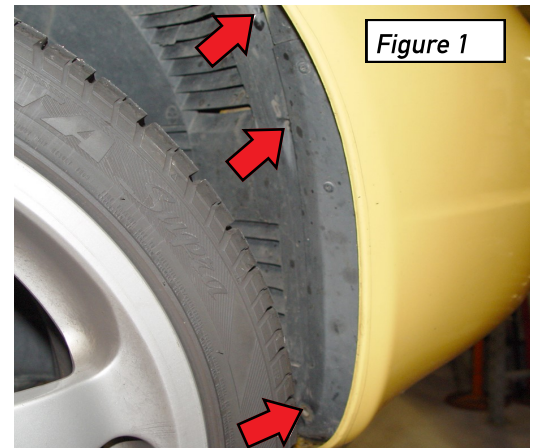
Required tools and materials:

- Medium flathead screwdriver
- 10 mm, 13 mm sockets and ratchet
- T25, T30, T45 Torx bits
- 6mm Hex Bit
- Dremel/Whizzer with cut off wheel or Body saw
- Spray or brush on paint
- Felt tip marker

Step 1

Remove the three T25 Torx head screws fastening the both the driver and passenger side bumper edges to the wheel wells, at arrows in **Figure 1**.

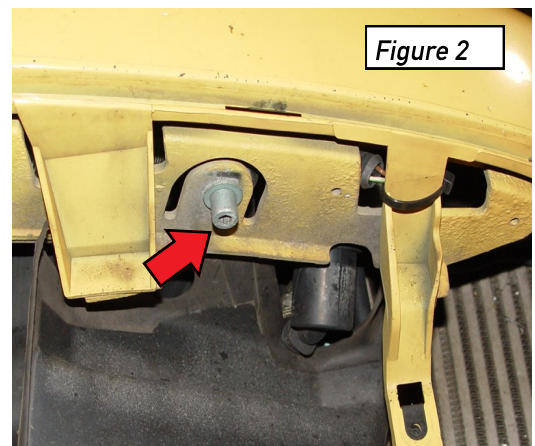
Remove under engine tray.



Step 2

Remove front bumper grilles around foglights by grasping firmly and pulling forward away from car.

Remove front bumper bolts, at arrow in **Figure 2**, using 6mm hex bit tool.



Step 3

Release the bumper from its clips on each side by pushing bumper towards rear of car, then grasping the upper edge of the bumper running along the side of the front fender and pulling downwards. Then grasp the lower edge of the bumper below and pull upwards.

Pull the bumper forward to expose the headlight washer hoses by the driver side headlight. Push up on black clip (at arrow in Figure 3) to release the hose attached to the car. Have a pen cap or vise grips handy to close off this hose and keep washer fluid from draining.

Unplug foglights and remove bumper.

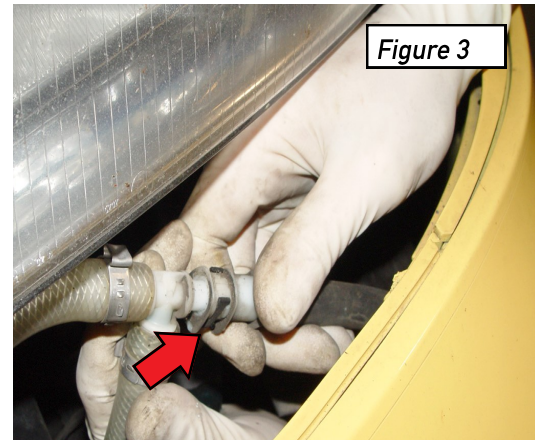


Figure 3

Step 4

Remove both headlights. There are two T30 torx bolts each on top, and one in the access hole at the arrow in Figure 4.

Remove two upper T30 Torx bolts per side fastening the radiator support to each fender.

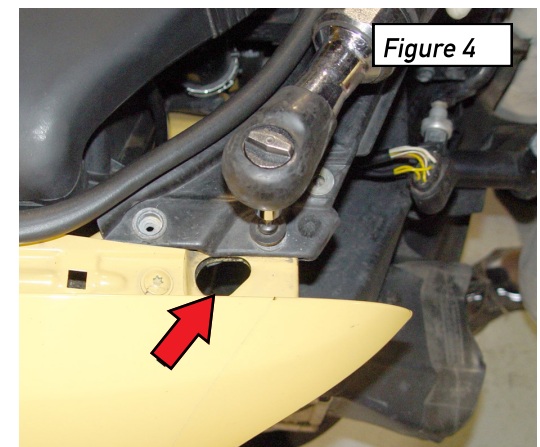


Figure 4

Step 5

Remove one Torx T30 bolt per side fastening the fender "wings" to the radiator support.

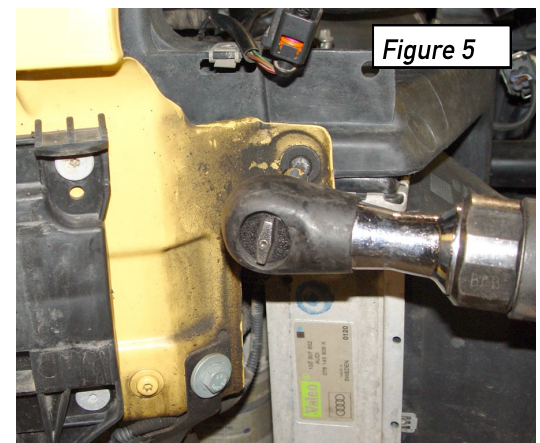
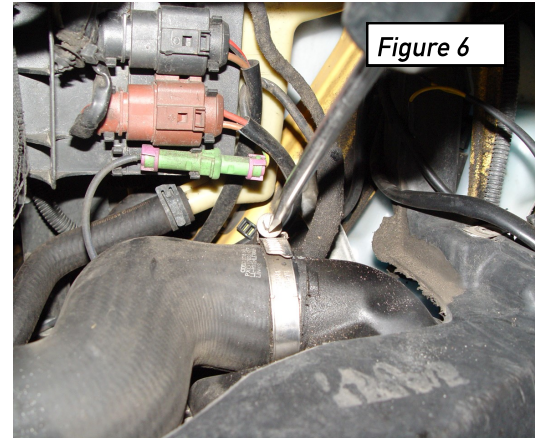


Figure 5

Step 6

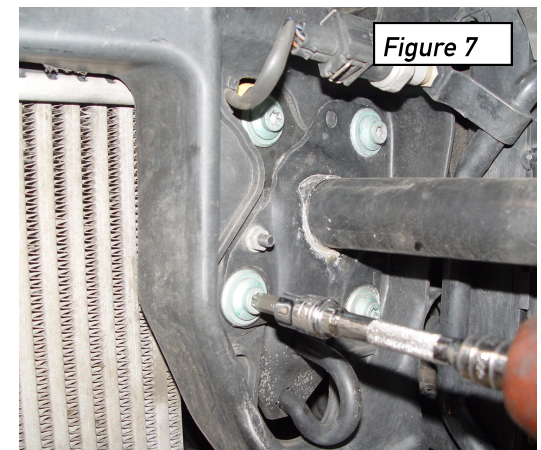
Loosen all the hose clamps holding the boost hoses to the inlet and outlet of each intercooler, four total. Loosen the remaining hose clamp on the passenger side lower boost hose and remove this hose.

Pop off the air duct from the face of each intercooler.



Step 7

Remove all four T45 Torx bolts fastening each bumper shock to the radiator support, eight total.



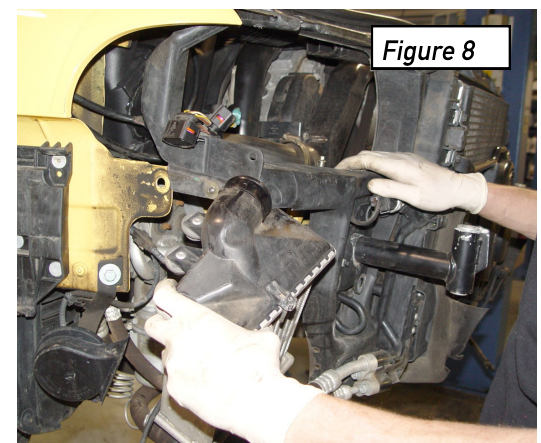
Step 8

Remove both intercoolers. Pulling the radiator support outwards away from the front of the car will give more room to do so.

Grab the driver side intercooler by the bottom and pull it out towards the side of the car.

Grab the passenger side intercooler by the top and pull it out towards the side of the car, as in **Figure 8**.

The passenger side intercooler will require more maneuvering to clear the A/C lines below it.



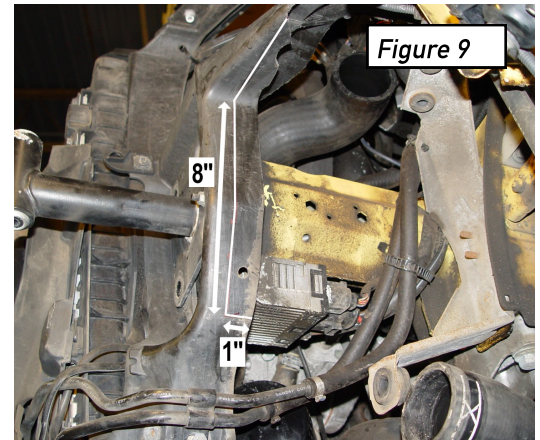
Step 9

For Audi S4 only:

With a felt tip marker (or whiteout), mark a line on the radiator support as in **Figure 9**.

Cut along this line with a Dremel, cut-off wheel, or saw.

Repeat on the passenger side.



Step 10

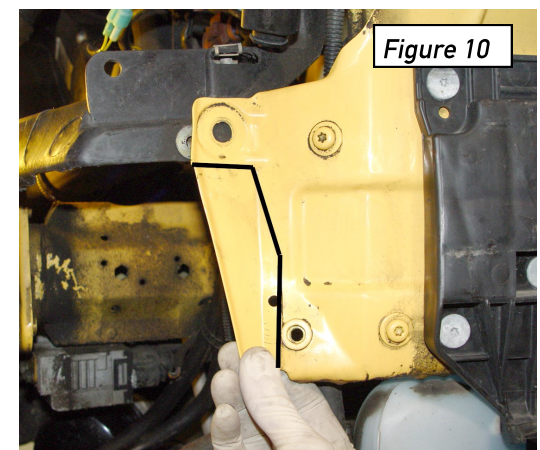
For Audi S4 only:

Unbolt the horn from the driver side fender "wing".

With a felt tip marker (or whiteout), mark a line on the the sheet metal as in **Figure 10**.

Cut along this line with a Dremel, cut-off wheel, or saw.

Paint the exposed edges and let dry.



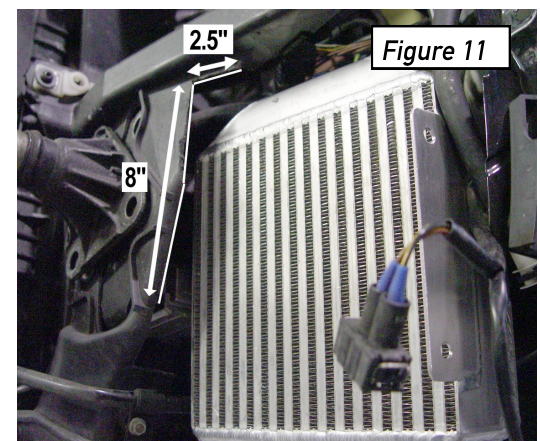
Step 11

For Audi A6 only:

With a felt tip marker (or whiteout), mark a line on the radiator support as in **Figure 11**.

Cut along this line with a Dremel, cut-off wheel, or saw (picture is shown with material already removed).

Repeat on the passenger side.

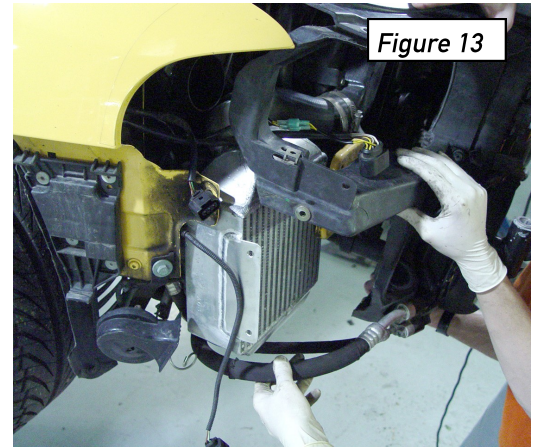


Step 13

Install the passenger side AWE Tuning intercooler first.

Pull the radiator support upwards and outwards away from the front of the car as in **Figure 13**. Wiggle the intercooler in between the AC lines and the radiator support. It is a tight area, so have some patience.

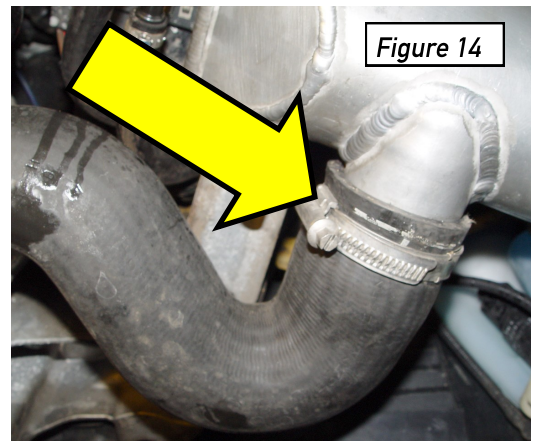
Reinstall the lower boost hose and attach the upper boost hose. Firmly tighten all hose clamps.



Step 14

Install the driver side AWE Tuning intercooler next.

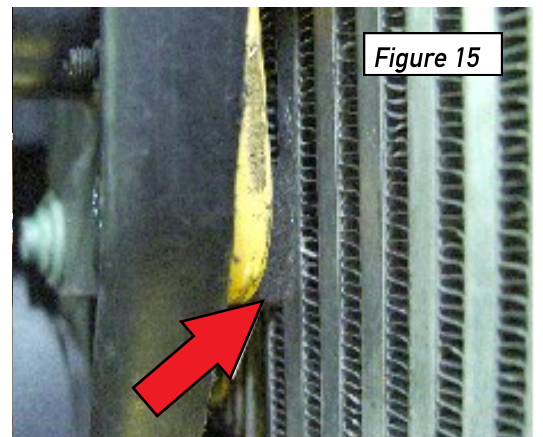
Reattach the upper and lower boost hoses and firmly tighten the hose clamps.



Step 15

For Audi S4:

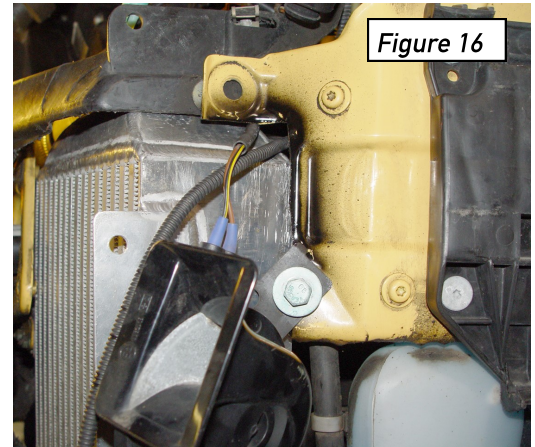
Place the enclosed piece of adhesive backed foam between the end of the driver side frame rail and the face of the driver side intercooler, at arrow in **Figure 15**. This will ensure that the face of the core is not damaged from rubbing on the frame rail.



Step 16

Route the foglight and horn wiring as shown in Figure 16. Ensure that the wiring is not being pinched.

Reattach the horn to the factory mounting point and attach wiring.



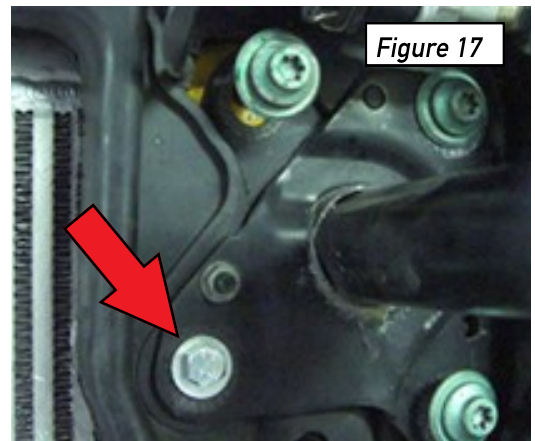
Step 17

For Audi S4:

Check the upper left bolt hole on the passenger side bumper shock to ensure that the intercooler is not visible from behind. If it is, rotate the intercooler until the hole is clear.

Install all the bumper shock bolts, substituting the lower left bolt with the enclosed M8x30x1.25 bolt and M8 flat washer (at arrow in Figure 17).

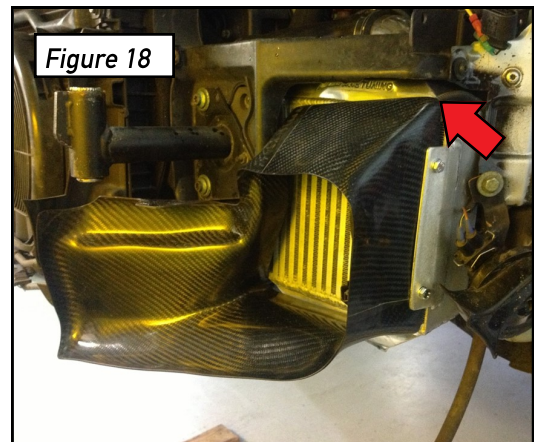
Do the same on the driver side and then install all remaining bolts.



Step 18

Install intercooler ducts as shown in Figure 18. Note that the flanges on the intercooler cores go to the outside of the ducts. Fasten the ducts to the flanges using the enclosed M6x20x1.00 bolts, M6 washers, and M6 Nylok nuts.

Make sure to route the foglight wire through the corner opening between the duct and intercooler, at arrow in Figure 18.



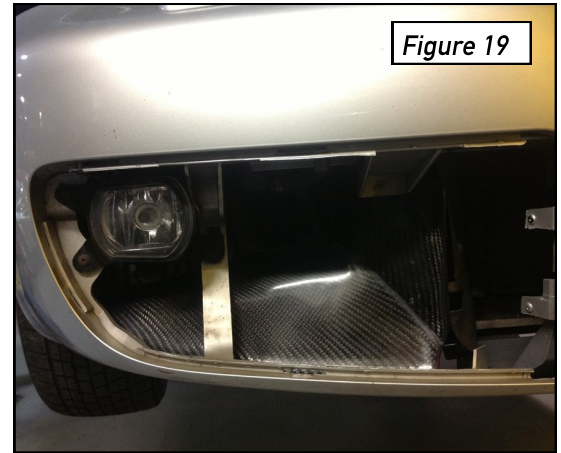
Step 19

Reinstall the bumper, making sure that the intercooler ducts are sitting properly around the foglight grille openings (note that **Figure 19** has the grille insert removed for clarity purposes).

Depending on what bumper is installed on the car, minor trimming of the ducts may be required for proper fitment.

Reinstall the headlights.

Reinstall the under engine tray.



ENJOY



Any questions or comments,
please do not hesitate to contact us:
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Thank you for choosing AWE 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) this product (2.7T Intercooler System) against manufacturing defects for ONE YEAR from date of original purchase.

Upon verification of warranty coverage, AWE 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, labor costs, shipping costs, 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 AWE Tuning directly.

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