

Installation Instructions

HPA MQB Performance Series Intercooler



Kit Contents:

- 1 x HPA Performance Series Intercooler
- 1 x Driver's side silicone hose
- 1 x Passenger's side silicone hose
- 4 x Hose clamps
- 2 x hood latch spacers (Not shown)
- 3 x m6 bolts (Not shown)
- 3 x bolt washers (Not shown)



Step 1

We recommend cooling your car before you begin with the installation.

Disconnect the negative battery terminal.

Use a hoist or raise your car on a jack and jackstands so that you can safely access the front end of the vehicle.

Remove the front wheels of the car to access the inner fender liner.



Step 2

Remove the lower fender liner

Installation Instructions

HPA MQB Performance Series Intercooler



Step 3

Remove the plastic belly pan



Step 4

Unplug the front bumper harness.

Note. if your car is equipped with headlight washers you will also need to disconnect the washer hose line from the resevoir.



Step 5

Disconnect the charge pipes from underneath the car.

Installation Instructions

HPA MQB Performance Series Intercooler

Step 6

Remove the intake air guide cover.



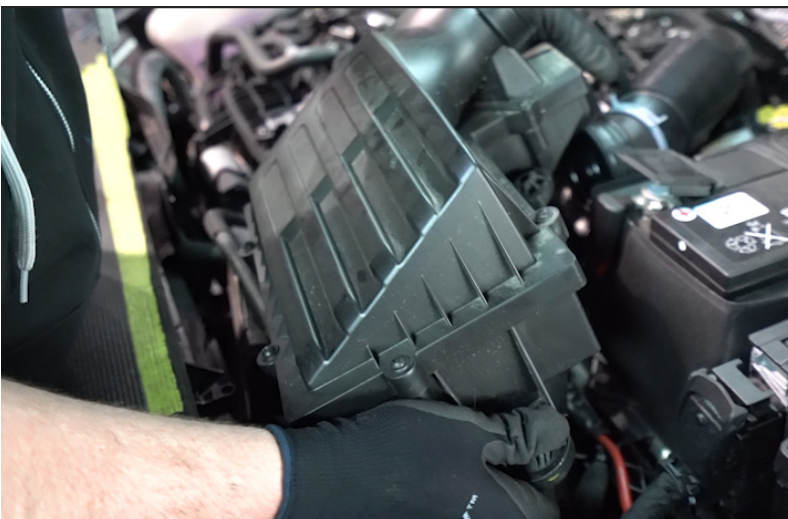
Step 7

Unclip and remove the piece connecting the airbox to the guide.



Step 8

Move the spring clamp back and disconnect vacuum hose and remove the airbox from the engine bay.



Installation Instructions

HPA MQB Performance Series Intercooler



Step 9

Remove the screws from the top of the front grill and begin to remove the grill.



Step 10

Unclip the harness from the radar sensor (mk7) behind the grill before completely removing.



Step 11

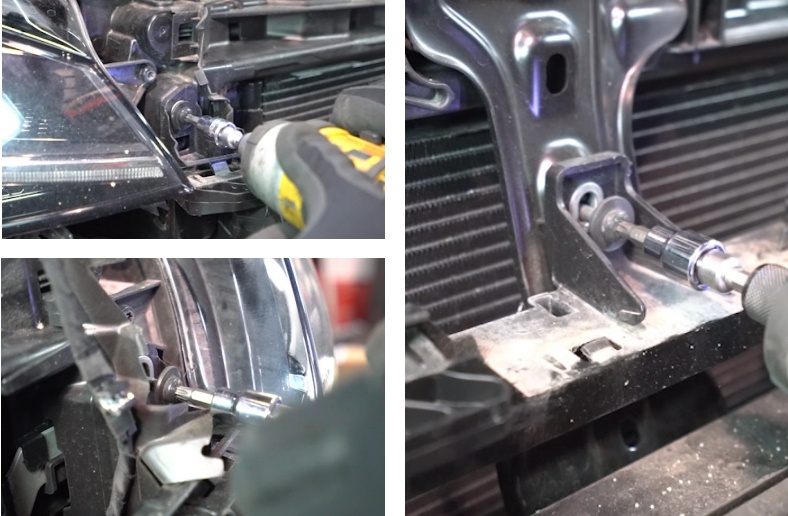
Remove the front bumper, and disconnect the radar harness if present (mk7.5).

Installation Instructions

HPA MQB Performance Series Intercooler

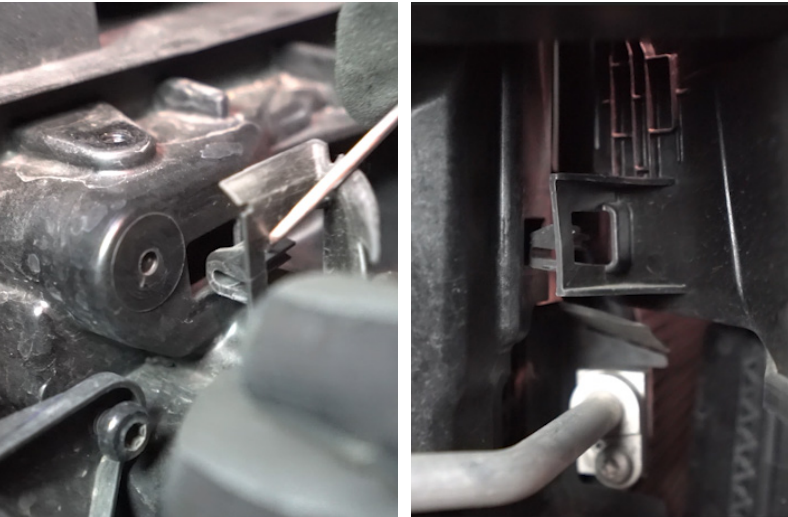
Step 12

Remove the three screws holding the plastic bumper support in place



Step 13

Unclip the plastic air guide from the left side of the rad support and set aside



Step 14

Do the same on the right hand side



Installation Instructions

HPA MQB Performance Series Intercooler



Step 15

Unclip the inner air guides from both sides of the AC condenser.



Step 16

Remove the brackets above the headlights on both sides of the car.



Step 17

Unclip the hood latch cable cover and disconnect the hood latch cable.

Note: do not close the hood until you have reconnected the cable.

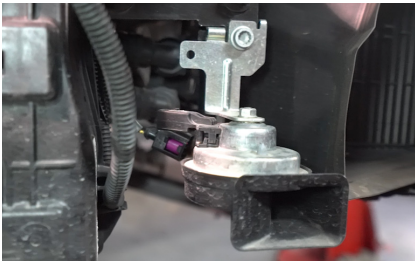
Installation Instructions

HPA MQB Performance Series Intercooler



Step 18

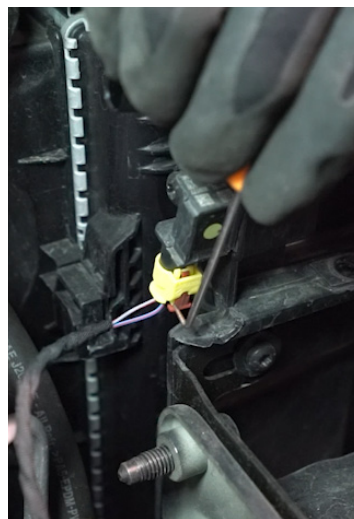
Unplug the headlight harnesses and remove the headlights.



Step 19

Unclip the wiring harness from around the rad support

- Horns
- Radiator
- Outside temp sensor

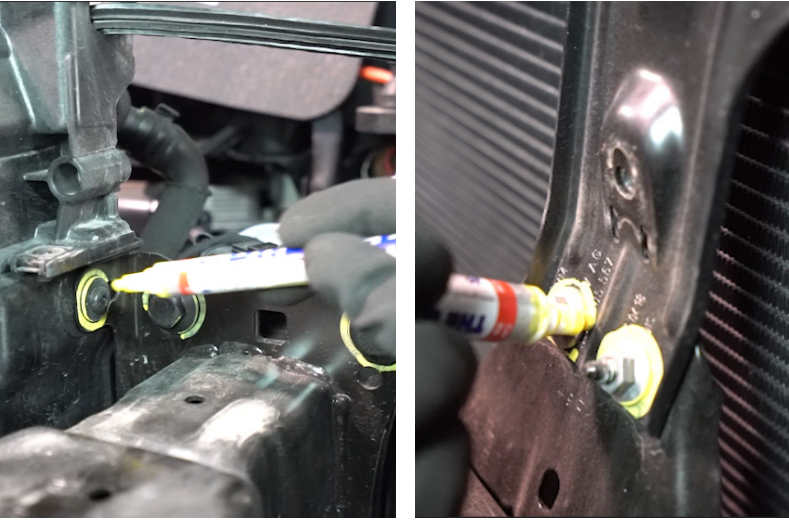


Step 20

Unclip the airbag crash sensors (yellow)

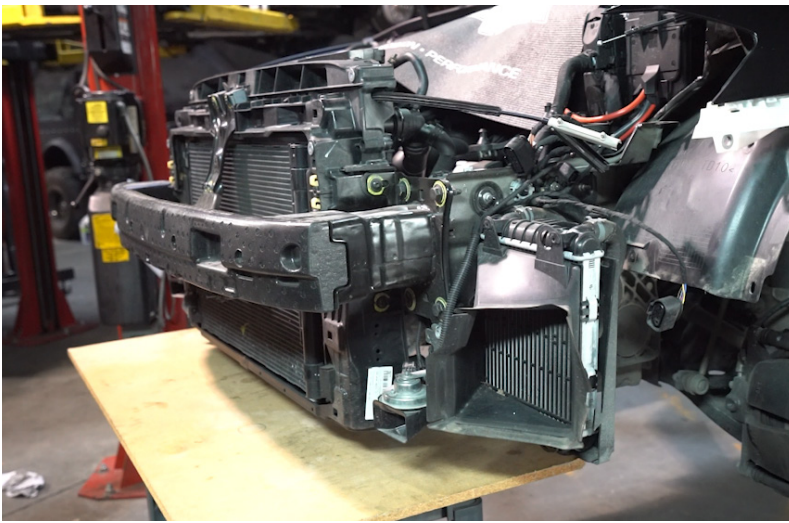
Installation Instructions

HPA MQB Performance Series Intercooler



Step 21

As a best practice, mark around the bolts you will be removing to ensure proper alignment during reassembly.



Step 22

Support the radiator and intercooler assembly for removal. You will be removing the front impact beam which holds everything up so ensure you have something to rest it on.



Step 23

Remove the four screws holding the rad support on. (Two on each side).

Then start removing the four bolts on each side securing the beam to the frame.

Remove the front impact beam and set aside.

Installation Instructions

HPA MQB Performance Series Intercooler

Step 24

Unclip the two clips on either side holding the intercooler to the rad support.

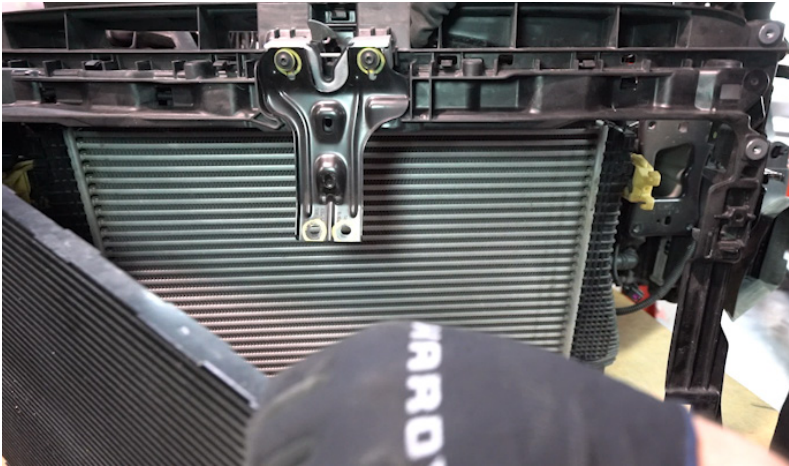
Begin to pull the rad support forward away from the intercooler.



Step 25

Unclip the AC condensor from the intercooler and slide up to get past the tabs. Swing the condensor out through the rad support and move to the side. Be careful not to stress the hard AC lines. You may need to loosen the bracket attached to the hood latch for clearance.

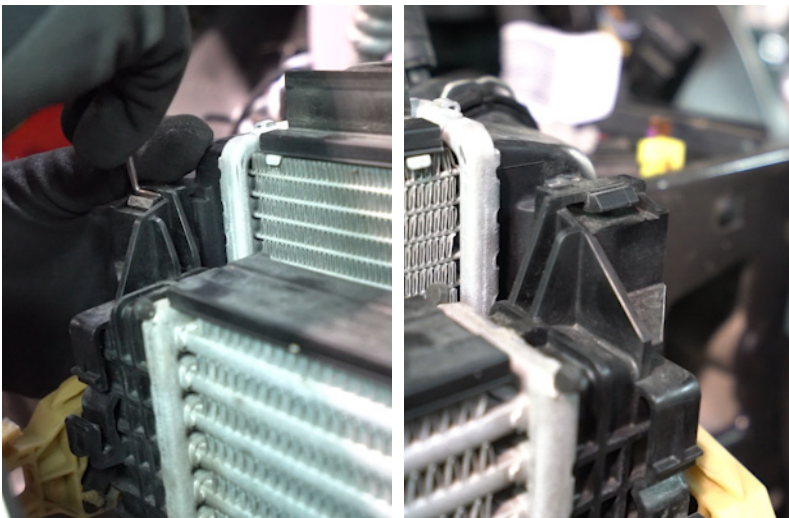
You can now remove the rad support by lifting the intercooler out of the grommets on the bottom. Set aside.



Step 26

Unclip the radiator from the top of the intercooler then tilt it back and lift it out of the tabs of the intercooler.

The intercooler can now be removed.



Installation Instructions

HPA MQB Performance Series Intercooler

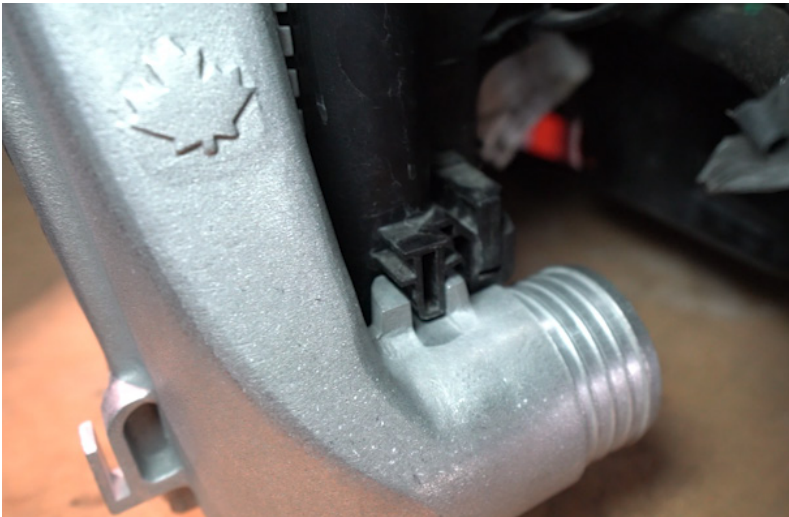
Step 27

Remove the mounting clips from the OE intercooler and transfer over to the HPA Performance Series Intercooler.



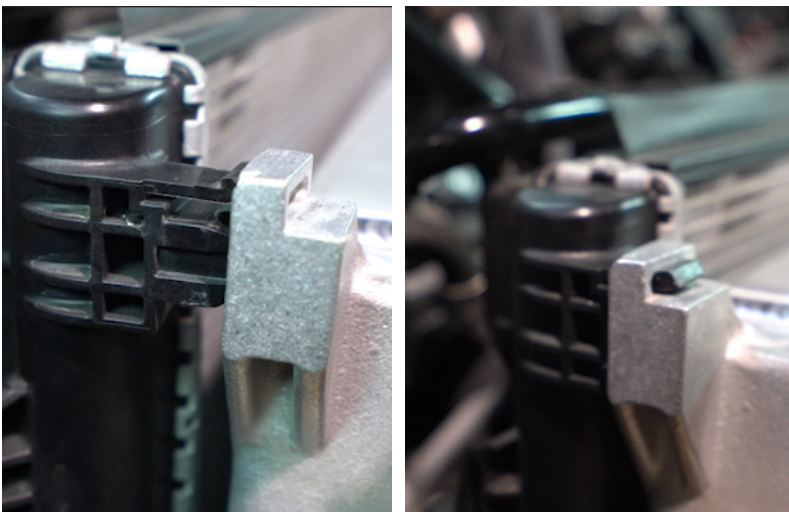
Step 28

Seat the OE radiator into the slot on the HPA Intercooler.



Step 29

Bring the top of the radiator forward and clip together on both sides of the intercooler.



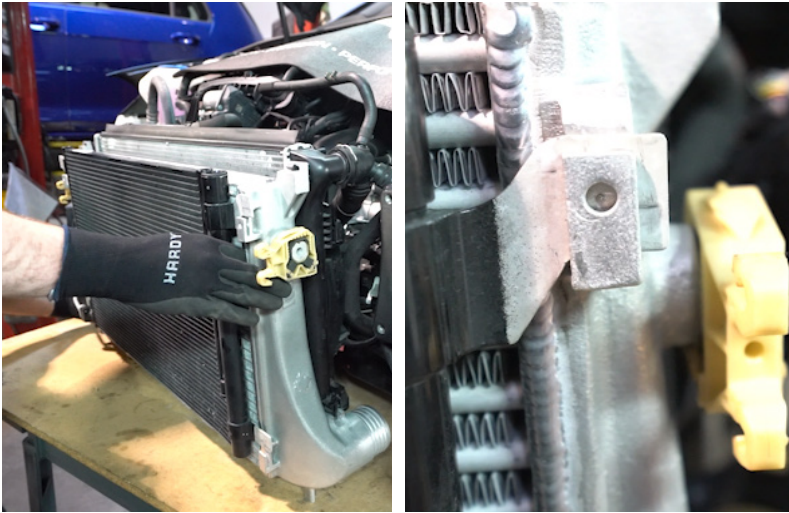
Installation Instructions

HPA MQB Performance Series Intercooler

Step 30

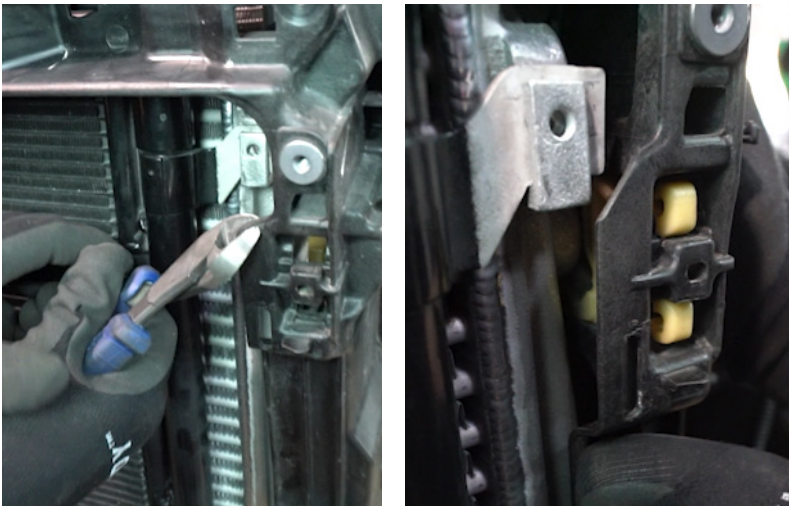
Test fit AC condenser to the front of the HPA intercooler. Once it is seated correctly use a punch or sharpie to mark the condenser through the top of the intercooler tabs.

Remove AC condenser from intercooler and drill holes in the tabs to match the size of the HPA intercooler holes.



Step 31

You will need to trim the corner of the driver side of the rad support to clear the mounting tab.



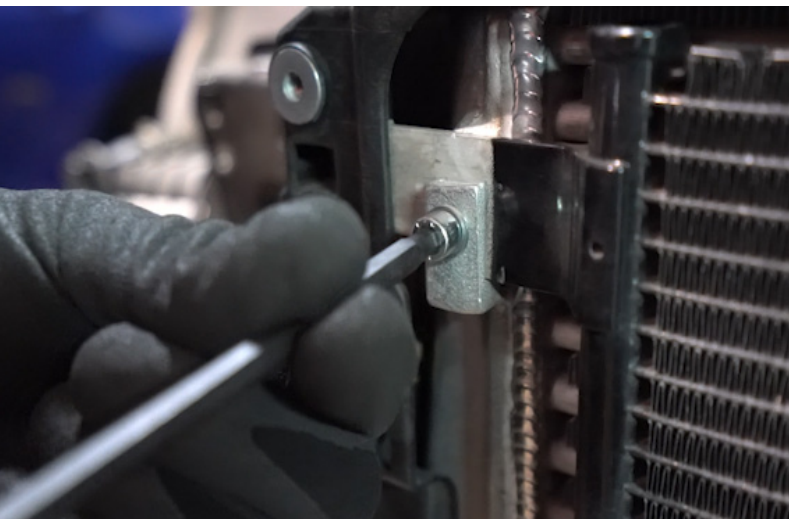
Step 32

Start to install the rad support around the intercooler and radiator.

Swing your condenser back through and slot into the intercooler tabs.

Using the provided bolts (M6x16) and smaller washers. Apply a small amount of blue thread locker and secure it to the intercooler.

Now that your rad support is back together, reinstall the front impact beam.



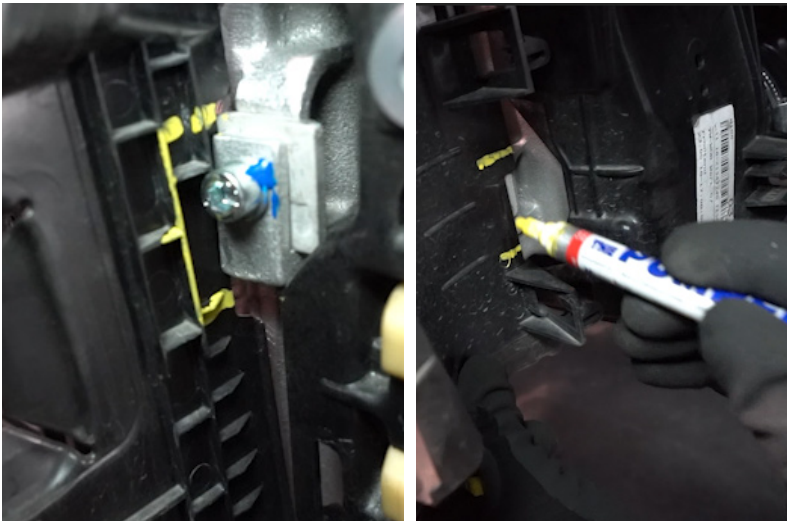
Installation Instructions

HPA MQB Performance Series Intercooler



Step 33

When reattaching the hood latch bracket, add the provided spacers behind the latch, this moves the bracket away from the AC condenser to prevent damage.



Step 34

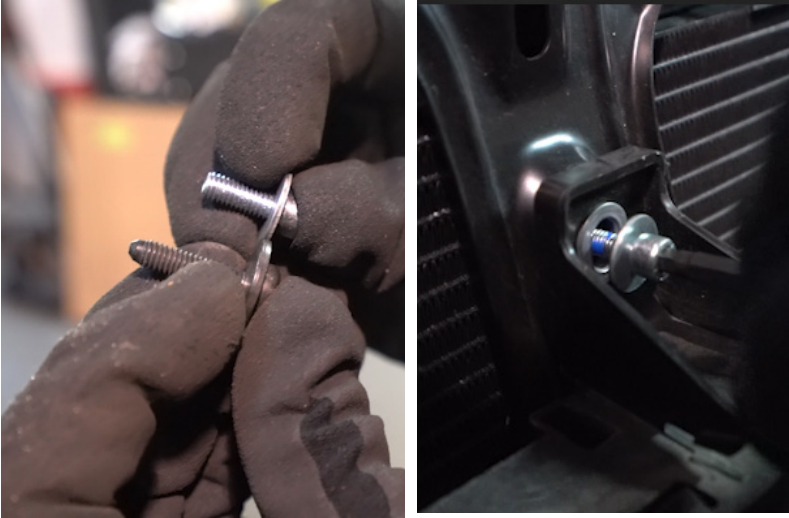
When reattaching the air guides, you will need to mark and trim them slightly to fit around the new intercooler hardware.



Step 34 cont.

Installation Instructions

HPA MQB Performance Series Intercooler



Step 35

When reinstalled the plastic bumper support, replace the middle bolt with one of the supplied bolts and larger washer. This also gives more clearance for the AC condenser.



Step 36

Install the new silicone hoses with the provided hose clamps.

From this point, use the steps from 24 to step 1 as a guide for reassembly.



Step 37

You are done!