



Installation Instructions
ZZP Stealth Heat Exchanger
ZZ-ZZ004



Estimated Installation Time: 2/5

Installation Difficulty: 1.5-2 Hours

Note: Some procedures will not be described in full detail. If you run into any installation issues or have trouble comprehending any of the procedures, please contact customerservice@zzperformance.com

Kit Contents:

- 1 – ZZ004A Stealth Heat Exchanger
- 1 – Heat Exchanger Bracket
- 1 – M8 x 20MM Socket Head Screw
- 2 – M8 Serrated Flange Head Nut
- 1 – M8 Hex Flange Nylon Lock Nut

Tools Needed:

- Hose Clamp Pliers
- 10MM Socket
- Gallon of coolant (you will not use all of it)
- Gallon of distilled water
- Push Fastener Removal Tool
- Drain Pan

Caution: To avoid being burned, do not remove the radiator cap or surge tank cap while the engine is hot. The cooling system will release scalding fluid and steam under pressure if radiator cap or surge tank cap is removed while the engine and radiator are still hot.

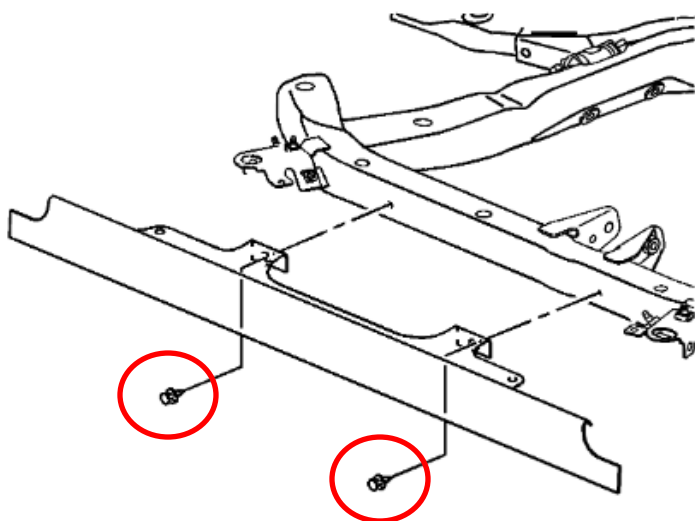
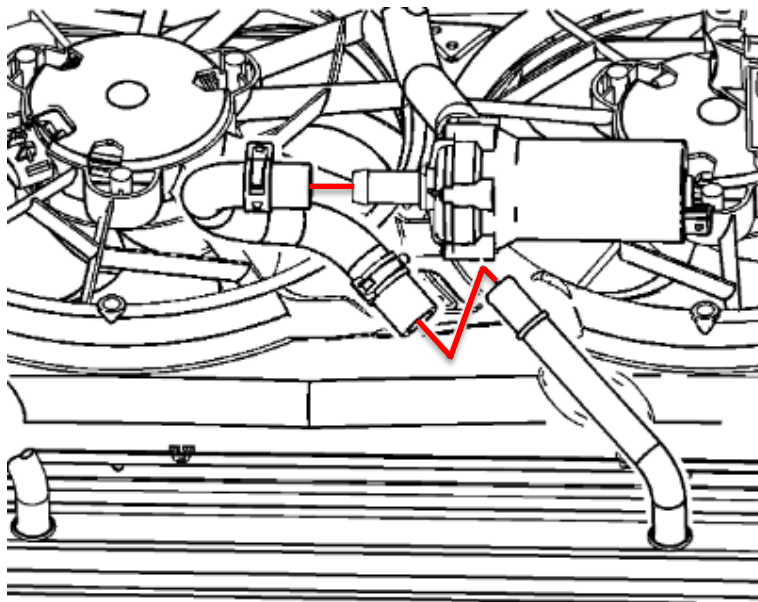


STEP ONE:

Start with opening your hood and removing the intercooler fill cap on reservoir at hood.

STEP TWO:

Raise and support the vehicle. Place drain pan under vehicle oriented to catch fluid from the factory HE. Remove HE hose clamps and pull off hoses. Often, they are stuck and using pliers to turn them before removal can be helpful.

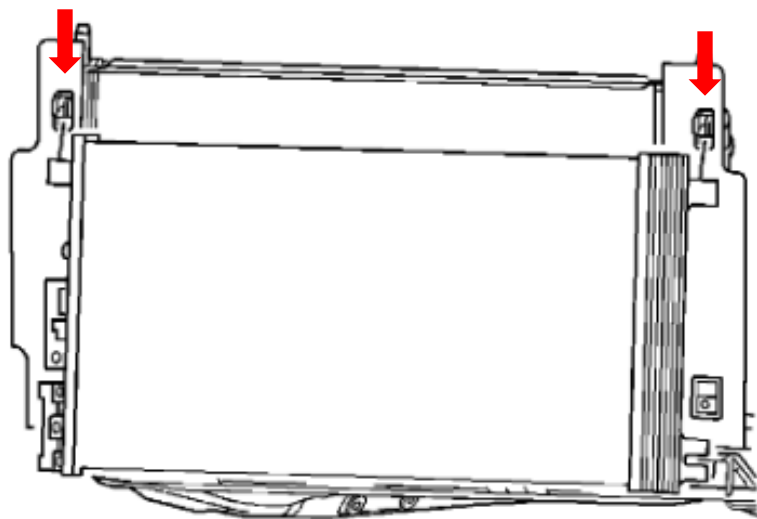
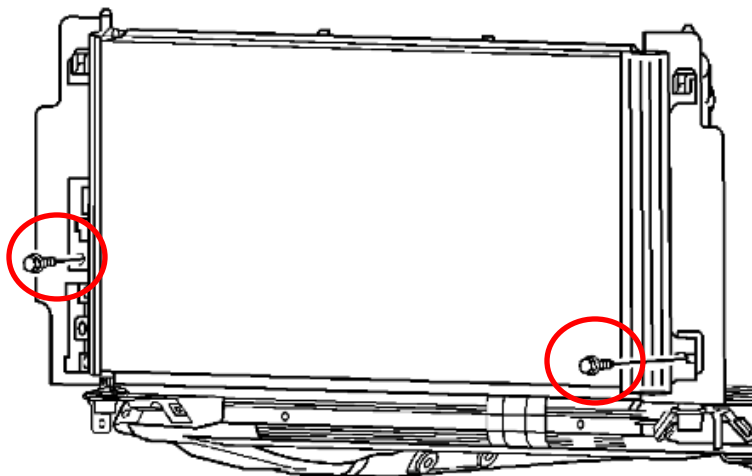


STEP THREE:

Remove the push pin fasteners from the air dam. Remove the air dam.

STEP FOUR:

Remove the AC condenser bolts.

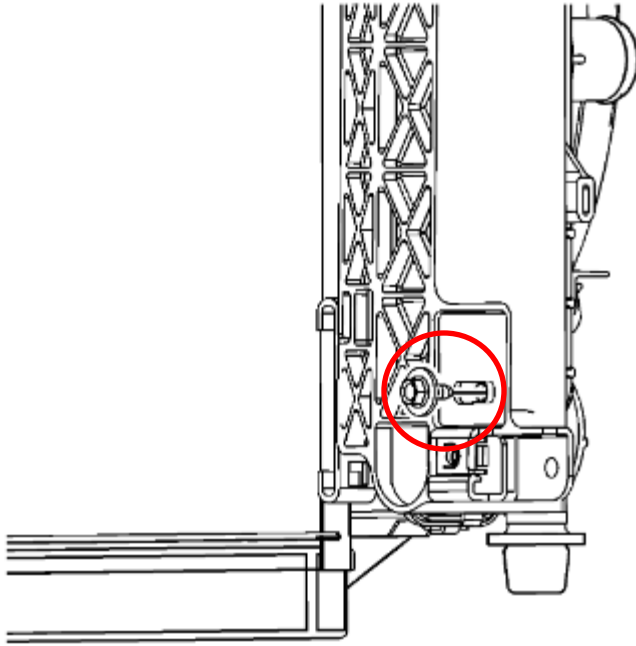


STEP FIVE:

Slide the condenser down to disengage the upper mounting tabs from the radiator.

STEP SIX:

Reposition the condenser to allow access to the heat exchanger.

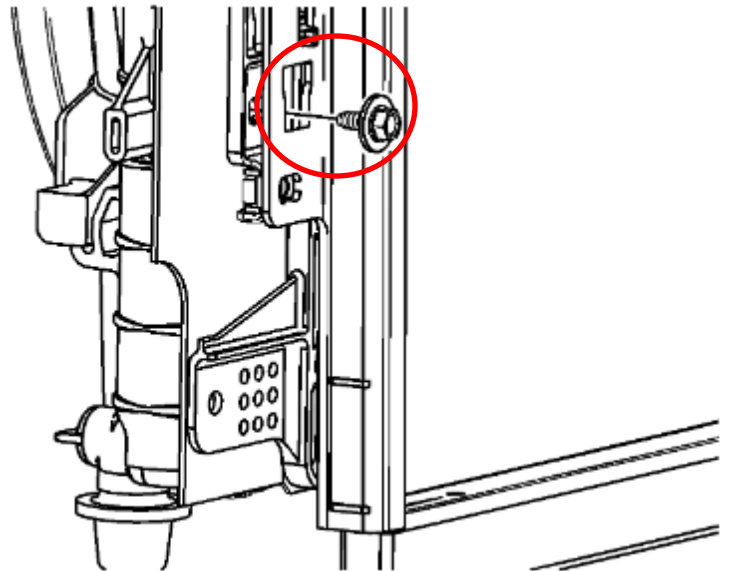


STEP SEVEN:

Remove the mounting bolt from the lower left side of the heat exchanger.

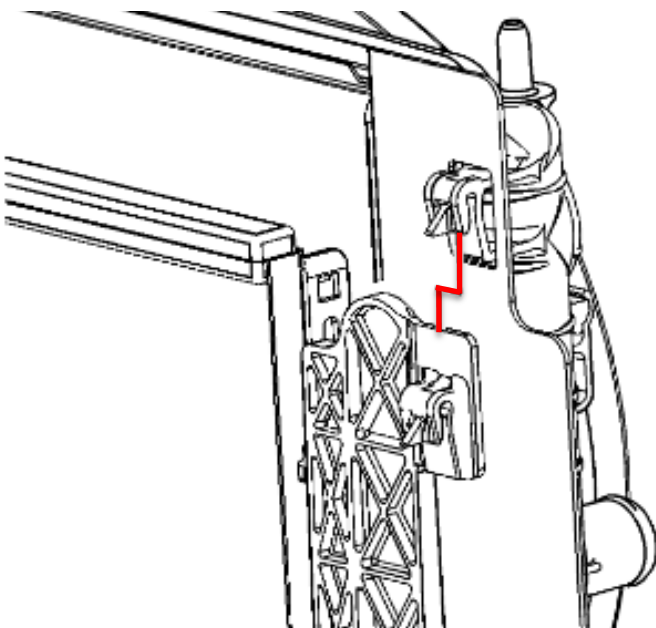
STEP EIGHT:

Remove the mounting bolt from the lower right side of the HE.



STEP NINE:

Next you will slide the charge air cooler down to disengage the upper mounting tab from the radiator. You can now remove the HE.



STEP TEN:

Install the Stealth HE in the same fashion the factory unit was removed but in the opposite order. The bracket will be installed using the lower hole of the hood latch as shown in the photo. When reinstalling the air dam, you will have to use zip ties to secure it since the original attachment points are no longer there. Tighten all bolts to **88** inch pounds.



STEP ELEVEN:

Fill the cooling system with a 50/50 mix of coolant and distilled water.

If you live in a cold climate reaching -10F, it's best to use 60% coolant, 40% water.

If you live in an area that never reaches below freezing, it's best to use 75% water, 25% coolant.

Remove the heat exchangers cap, fill with fluid until heat exchanger is full, then install cap and top off at the factory T fill and install cap. If your car has a ZZP PCM file, insert your key and turn it to the ignition position, this will run the intercooler pump, if you do not see fluid flowing through the factory T fill, squeeze one of the IC hoses to help prime the pump. The factory IC pump has a life expectancy of 60,000 miles or so, so it is recommended that you check your pump occasionally to verify it is running, and flowing properly.

You are now complete with installing
your new ZZP Stealth Heat Exchanger,
Enjoy!