

ZZPERFORMANCE

Installation Instructions

ZZP Chevy Cruze Intercooler Kit



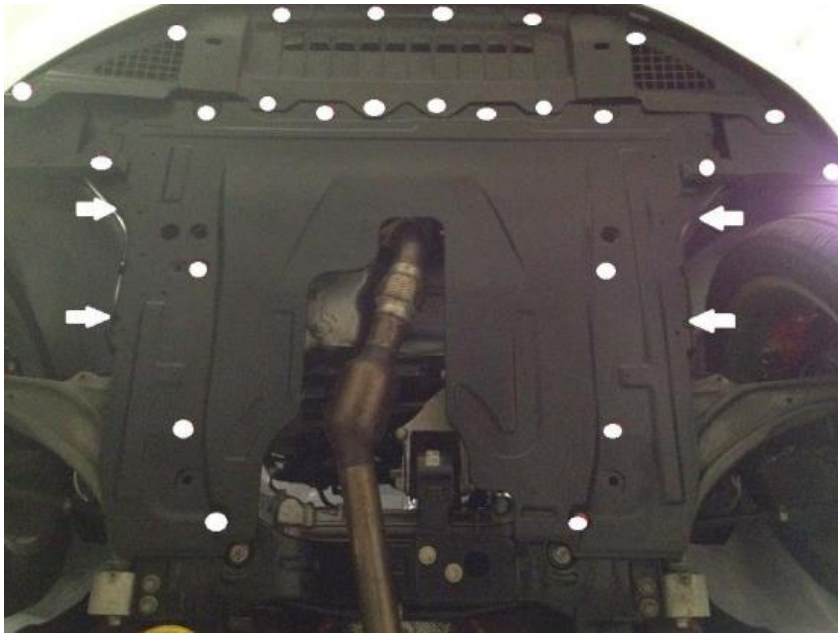
Estimated Installation Time: 2 Hours

Installation Difficulty: 2.5/5

Note: Some of the hardware is for the automatic version only. Please read through these instructions fully before beginning your installation.

Kit Contents:

- | | |
|---------------------------------------|--|
| 1 – 1.5"-2" Straight Silicone Coupler | 2 – M8 x 30MM Flange Head Bolts |
| 2 – 2.25"-2" 45° Silicone Coupler | 2 – M8 Serrated Flange Head Nuts |
| 1 – 2.25" 45° Silicone Coupler | 2 – Cruze Transmission Relocation Brackets |
| 1 – 94100-188 T Bolt Clamp | 1 – 1/8 NPT Plug |
| 3 – 94100-238 T Bolt Clamps | 1 – 3/16 Hose x 1/8 NPT Straight Brass Fitting |
| 4 – 94100-262 T Bolt Clamps | 1 – Cruze Upper Intercooler Pipe |
| 3 – 5/16 Self Tapping Screws | 1 – Cruze Lower Intercooler Pipe |
| 2 – M6 x 25 Flange Head Bolts | 1 – Cruze Front Mount Intercooler Core |
| 2 – M6 Flange Nylock Nut | 1 – M6 x 14MM Socket Cap Screw |



STEP ONE:

- Disconnect battery
- Raise the car on the hoist or support with jack stands.
- Remove underbody plastic shields. This requires a T20 Torx bit, an 8mm socket, and a clip removal tool.

STEP TWO:

Once you have removed the plastic shield you gain access to the lower hot side charge pipe. Using a flat head screw driver or an 8mm socket, remove the lower hot side charge pipe.



STEP THREE: Bumper Cover Removal

First, remove the 6 screws (3 on each side) from the inner fender plastic, this requires a T20 Torx bit.

STEP FOUR:

Next, remove the outer push clips on each side of the vehicle that attach the bottom spoiler to the bumper cover.



STEP FIVE:

Moving to the top of the vehicle, remove the two bolts from the bumper cover using a 10mm socket. Next, remove the four push clips across the top of the front bumper.



STEP SIX:

Now, carefully pull the bumper cover off of the bracket that is holding it to the fender. You will want to start on the side that is closest to the wheel. Repeat on the opposite side.



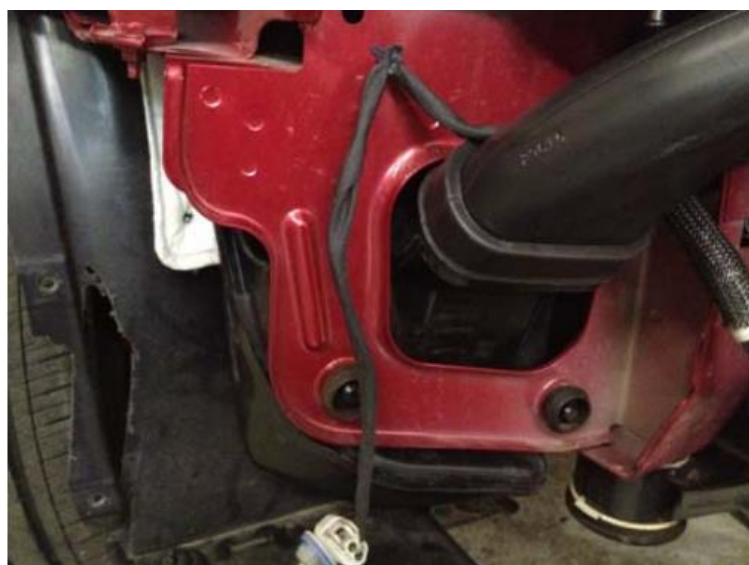


STEP SEVEN:

Next, remove the air intake tube using a 10mm socket. **You will not be re-using this.**

STEP EIGHT:

You can remove the air box silencer, though this is not mandatory.



STEP NINE

Remove the plastic in front of the radiator using your clip tool. **You will not be re-using this.**

STEP TEN:

Next, remove your upper core support plastic by removing 4 bolts with a 10mm socket.



STEP ELEVEN:

- Remove the plastic covering the radiator, intercooler, and condenser. **You will not be re-using this.**
- Now, remove the intercooler pipes from each side of the Intercooler. Simply pull back the metal spring clips and slide the tubes off of the intercooler. **You will not be re-using these pieces.**



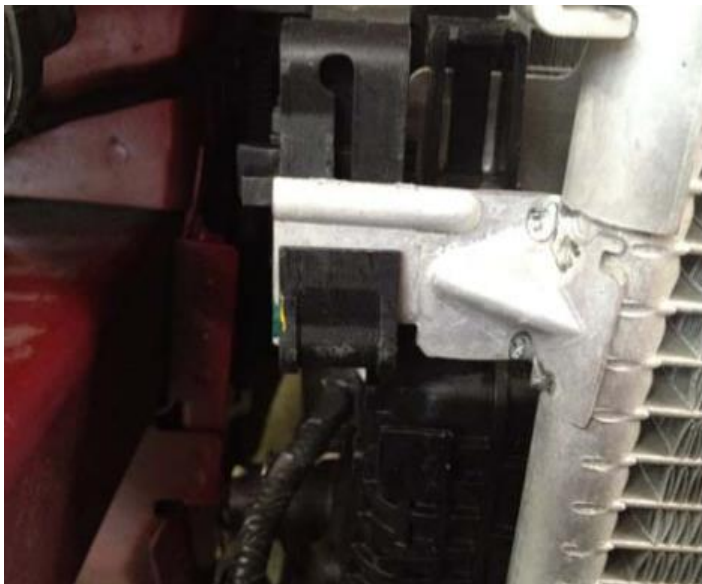
STEP TWELVE:

Next, remove the upper charge pipe. **You will not be re-using this pipe.**



STEP THIRTEEN:

Now, remove the A/C condenser from its mounting brackets. Push the lock tab back and slide the condenser up and out of the brackets. Let the condenser hang, it will support its own weight without hurting anything.



STEP FOURTEEN: (Automatic Only)

Now, remove the transmission cooler from its brackets and swing it away from the radiator. The transmission cooler is removed the same way you removed the A/C condenser.

STEP FIFTEEN:

Once you have removed the intercooler you can install the A/C condenser into the same location that the intercooler was removed from.



STEP SIXTEEN: Transmission Cooler Install

Using the supplied hardware mount the transmission cooler into its new location. Install the relocate brackets on the transmission cooler using a 10mm socket and 10mm wrench. Do not tighten them completely. Tighten the brackets applying only light pressure until the install is complete. Place the transmission cooler on the bumper reinforcement and mark both hole locations using a sharpie. Using a 1/4" drill bit, drill a through hole on each sharpie mark. Using the supplied self-tapping screws, mount the transmission cooler and tighten all supplied hardware. The self-tapping screws require a 13mm socket.





STEP SEVENTEEN: Intercooler Install

Using a 5/16th drill bit, drill clearance hole through the lower radiator support brackets.

STEP EIGHTEEN:

Install the new ZZPerformance Intercooler using the supplied 8mm x 30 bolts and nuts. This will require a 13mm wrench and socket. You will have to bend the A/C line out of the way to make room for the new intercooler. Don't worry you will not break the line if you use some common sense.



STEP NINETEEN:

Make sure the intercooler is centered and mark the third mounting location with a sharpie. Drill a 1/4 hole in the bumper reinforcement then install the supplied self-tapping screw.

STEP TWENTY:

Now, you can install the lower charge pipe. Make sure all couplers are rotated properly and installed completely on the turbo and piping. Take your time so you don't have to do it twice. The t-bolt clamps require an 11mm or 7/16 socket.



STEP TWENTY ONE:

Next, move onto installing the upper charge pipe. Remove your MAP sensor from your factory charge pipe and install it in your new ZZP pipe. Removing the sensor requires a T20 Torx bit and installation requires a 5mm Allen wrench. The extra port on the map sensor pad is for reading boost or whatever you decide to do with it. **If you are not going to use the port, make sure the pipe plug is installed to prevent a boost leak!**





STEP TWENTY TWO:

Install you bumper cover, splash shields, etc... In reverse order and enjoy!

Thank you for purchasing our products!

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