

Corsa Forza FMIC Installation Instructions

Parts List

| Quantity | Part Description |
|----------|--|
| 1 | CFP Intercooler |
| 2 | Aluminum L Mounting Brackets |
| 2 | Aluminum 1/4 X 1 1/2" X 3 3/4" Top Mounting Brackets |
| 2 | M10 X 1.5 X 60 Bolts |
| 2 | M10 X 1.5 X 25 Bolts |
| 6 | M10 X 1.5 Nylon Lock Nuts |
| 6 | M10 Fender Washers |
| 2 | M10 Reg Washers |
| 7 | Stainless Hose Clamps |
| 2 | 2" ninety degree silicone hoses |
| 1 | 2" forty-five degree silicone hose |
| 1 | 2" silicone hose coupler for automatic transmission |
| 1 | 2 1/2" - 2" coupler for manual transmission |
| 1 | Left Drivers Side Charge Pipe |
| 1 | Right Passenger Side Charge Pipe |

Step 1

Remove Front Bumper and OEM Intercoolers and Charge Pipes.
Save the hose clamp used to secure the hose to the turbo housing.
Also be sure to remove bottom radiator shroud.

Step 2

Relocate the Horn

After removing the original bracket that the horn bolted to, you will then remount the horn onto the driver side subframe where the bracket was bolted to, as seen in photo below.



Step 3

Install Intercooler top mount brackets.

Using the supplied Aluminum $1/4 \times 1\ 1/2 \times 3\ 3/4$ " and 2 M10 fender washers and M10 nylon lock nuts you will now install and snug down top mounting brackets as shown in Photo's below.



Step 4

Install L Mounting brackets.

Using the supplied M10 X 60 bolts and 4 M10 fender washers and 2 M10 lock nuts, you can now install the L mounting brackets onto the front inner bumper support, as shown in the photos below.



Do not tighten down the nuts, just get them on until you feel the resistance from the nylon lock nut.

Step 5

Hang the intercooler from the L brackets

Using the 2 supplied M10 X 25 bolts and 2 M10 lock nuts and Small M10 washers attach the intercooler to the L brackets as shown in the photos below. Washers go on top of L bracket and under M10 lock nut



Step 6

Install Passenger Side Charge Pipe

First install the forty-five degree silicone hose onto the charge pipe.



Next make sure you have the OEM hose clamp is on the hose as well.

Now from under the car, slide the charge pipe and hose up into position, and slip the hose with the pipe attached onto the turbo outlet.

Note: Take your time and use some brake clean to lubricate the hose to slip it onto the turbo outlet if needed.



Once hose is on turbo outlet, slide up the clamp and secure it in position.



Step 7
Modify Fan Shroud Lower Bottom Drivers Side

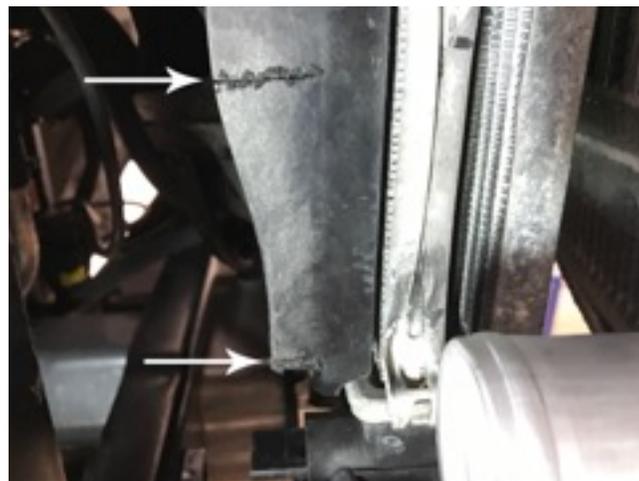
First we must cut and remove a small portion of the drivers side fan shroud for the ninety degree hose to clear.

Using a 10mm socket remove the bolt on the drivers side bottom radiator support mount as shown in photo below, and move it out of the way. This is temporary to make more room to work and will be re-installed later.



Next using a hack saw blade make two small cuts into the lower driver left side of the shroud as shown in photo below.

Photo is looking up from under the car on the driver side

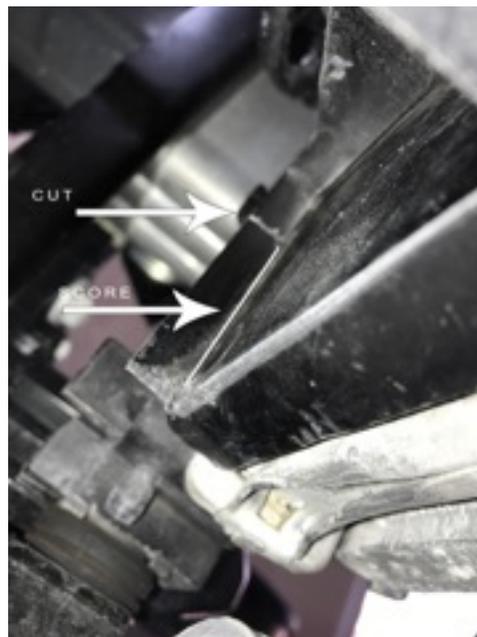


Next using a razor blade or utility knife, score a deep line from cut to cut.

Next firmly push up on shroud piece for a nice clean break.



Now to remove a portion of the vertical side of the shroud, use the hacksaw blade to cut into the shroud about three inches up from the bottom, as shown in the photo, and once again score a deep cut from the cut you just made with the hacksaw to the bottom of the shroud as shown in photo below.



Once complete use a pair of needle nose pliers to break away the remaining piece.
Step 8

Install Drivers Side Charge Pipe

Install hose coupler onto the top end of the charge pipe with the clamps.

Note: If you have a manual transmission you will have a 2 1/2" - 2" coupler if an Automatic Transmission it will be a 2" coupler as shown below.



Next drop the charge pipe into position from above, through the engine compartment.

Position the charge pipe, and then slide the hose coupler and pipe onto the existing intake pipe, located below the radiator hose.



Next position the bottom portion of the charge pipe in the area between the frame and the modified fan shroud, and install the ninety degree silicone hose.

Do the same for the passenger side charge pipe as well.

Next, make sure that all your hose clamps are on the charge pipes and slip each ninety degree hose onto the intercooler.

Note: Hose needs to be on the intercooler no more than an inch or so.

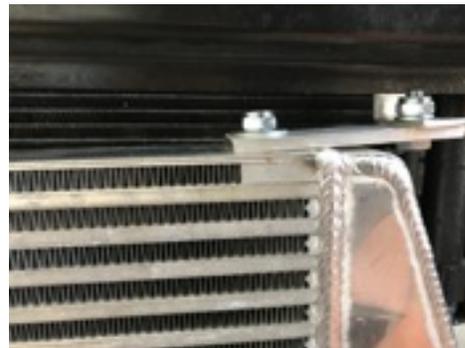
Also you can slide ninety degree hoses as far up as needed onto the charge pipes to position the intercooler.

Re-install the bottom radiator support mount.

We now want to position and secure the intercooler.

Do one side at a time.

Using a floor jack, or a second person, move the intercooler up towards the front bumper subframe on each side as close to the subframe as you can get it.



Then tighten down the long bolt for the L bracket from step 4 to secure the position.

Next position and tighten the bolts on the lower L bracket and the top mount brackets.

The goal is to align and position the intercooler as horizontal and as vertical to the radiator as possible, and as close to the bumper subframe.

Once this is complete you may then go over and inspect all the charge pipe connections and tighten all the hose clamps.

You may also now start the car to make sure there are no leaks.

Corsa Forza Performance