

Crawford Performance Front Mount Intercooler Install Instructions (08+ STI) Version 1.00

Parts List

Item Num	Quantity	Description	Sent	Received
CP-I0102	1	Crawford Performance BIG FMIC Install Kit		
I0534-2	1	CP Front Mount Intercooler 08 STI/WRX		
P0700	1	Pipe – Charge #1 (around intake manifold)		
P0701-1	1	Pipe – Charge #2 (down right side of radiator)		
P0702-1	1	Pipe – Charge #3 (from side of battery to throttle body)		
P0704	2	Pipe – Charge #4 (left and right side of intercooler)		
-P0655-2	1	Plate – Hood Scoop Block Off Plate (08+ models only)		
H0490	5	Hose – 2” Straight hose, Super Black		
H0493	1	Hose – 2-2.75” Transition hose, Super Black		
C0220	1	Cap – OEM By Pass Valve Plug		
C0244	9	Clamp – T-Bolt, 2” ID T Bolt Clamp		
C0248	1	Clamp – T-Bolt, 2.75” ID , Turbo Hose		
C1048	1	Cap – 3/8 ID Rubber Cap		

Front Mount Intercooler Kit Parts



Please remove the front bumper from the vehicle. There are tabs located on the grill and these need to be pressed down in order for the grill to pull off. (Please note the plastic under tray may need to be removed if it has not been removed already from other modifications, but it can be reinstalled after the intercooler is installed)

Front Bumper

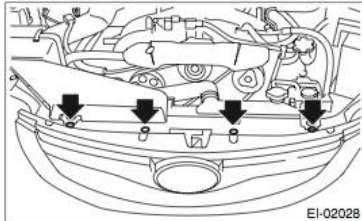
EXTERIOR/INTERIOR TRIM

7. Front Bumper

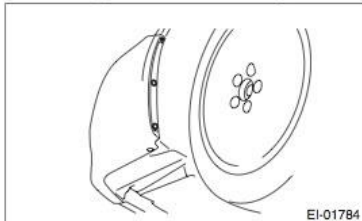
A: REMOVAL

1. FRONT BUMPER FACE

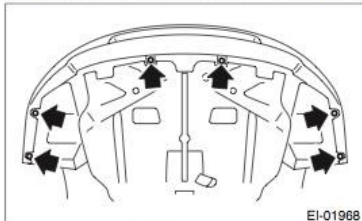
- 1) Disconnect the ground cable from the battery.
- 2) Remove the clip of the front grille.



- 3) Turn over the front mud guard, and remove the clips connecting the fender and bumper.



- 4) Remove the clips at the lower side of bumper.

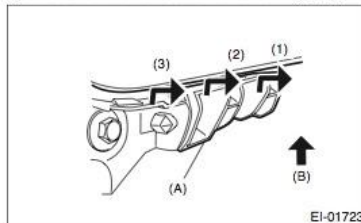


- 5) Disconnect the fog light connector. (Model with fog light)

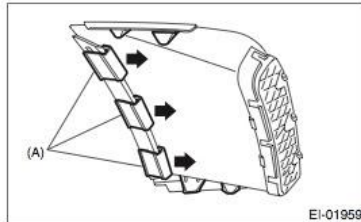
- 6) Detach the flange sections of the bumper face side from the guide bracket (A).

CAUTION:
Do not pull forcibly. It may damage the flange sections of the bumper face side.

NOTE:
It is easier to detach them from the fender side in the order from (1) to (3), while pulling up the bumper face to the direction of arrow (B) (upward).

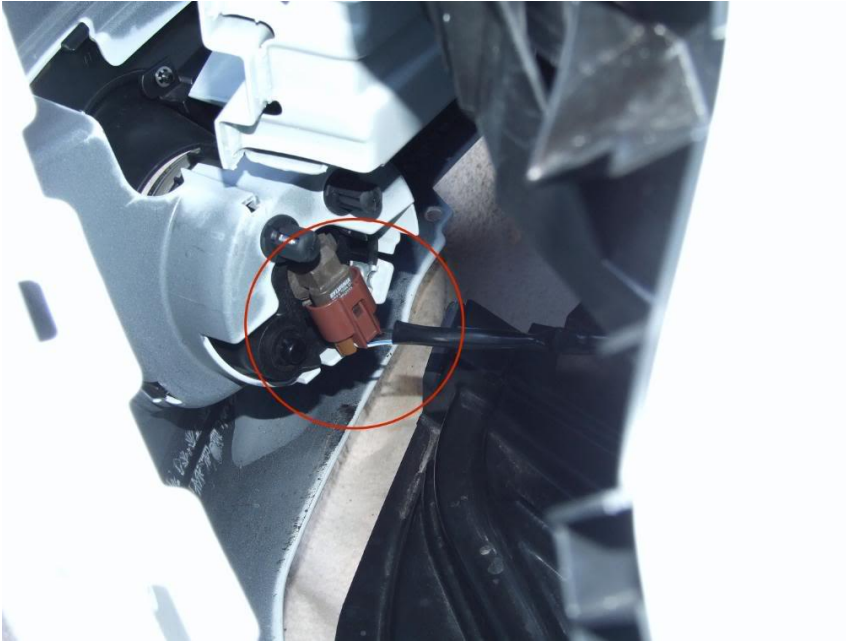


- 7) Remove the bumper face from vehicle body.
- 8) Remove the front grille from bumper face. <Ref. to EI-21, REMOVAL, Front Grille.>
- 9) Remove the fog light from bumper face. <Ref. to LI-20, REMOVAL, Front Fog Light Assembly.>
- 10) Remove the side cover from bumper face.



- (1) Remove clip (A).
- (2) Remove the upper and lower claws.

In order to detach the front bumper, if the front fog lights are installed, they will need to be disconnected on both sides of the vehicle before bumper removal.



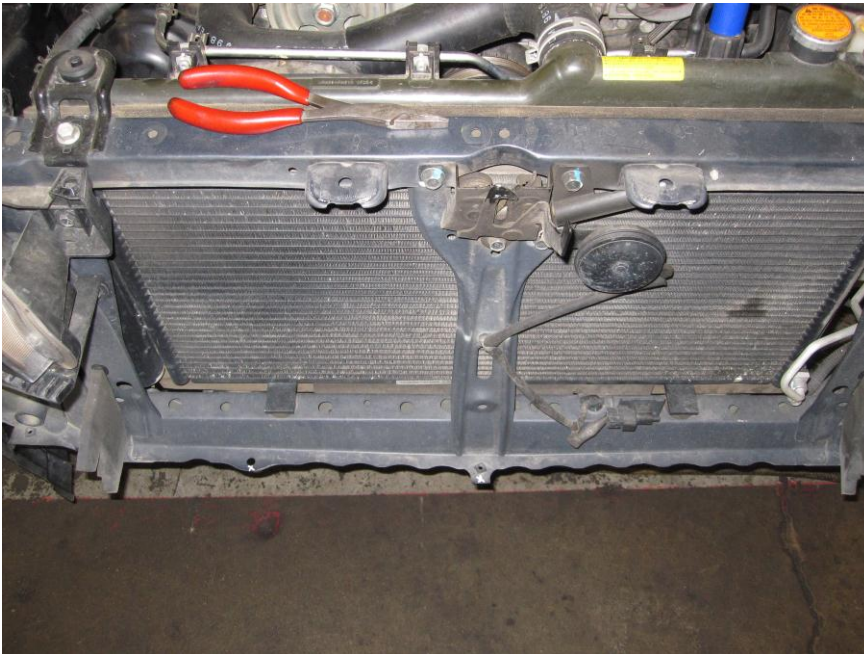
You can now pull the bumper off the vehicle carefully. It will pull out from underneath the front head light.



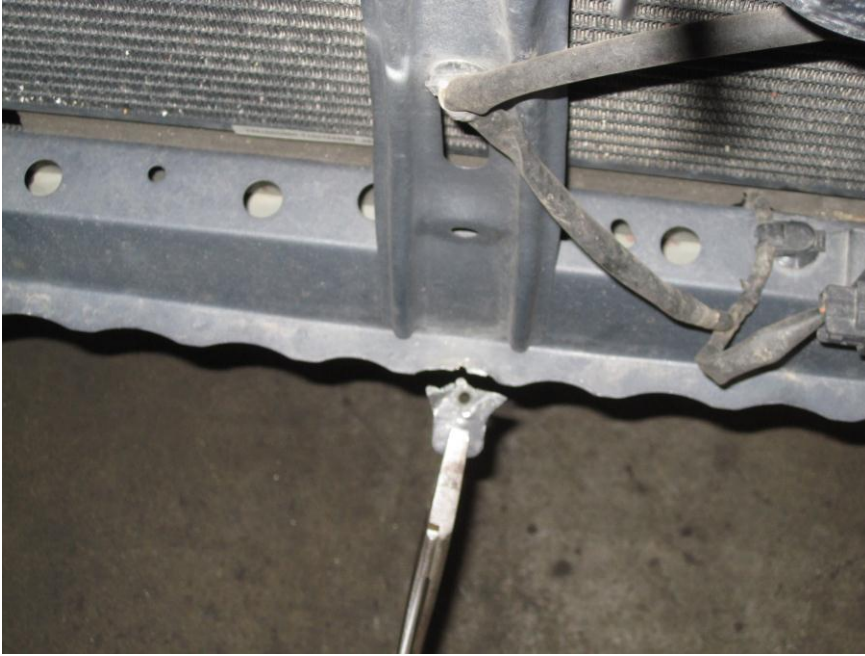
There should be four bolts that hold the bumper beam in place. Please remove these bolts and make sure to keep them to install the front mount intercooler.



Now the bumper is removed, remove the front bumper beam which consists of four main mounting bolts on other side of the bumper beam and install the front mount intercooler core. You may need to bend back a couple tabs depending on the model year vehicle so the intercooler clears the tabs extending from the frame of the vehicle.



Breaking off this tab will not affect the integrity of the vehicle frame.



Please reuse the bolts that held the front bumper beam in place. (Left side based on driver's view)



(Right side based on driver's view)



Remove OEM top mount intercooler and OEM BPV and make sure to keep the red 90% silicon elbow and clamps from the OEM top mount intercooler. These will be needed from the turbo charge to the first Crawford Performance intercooler pipe. You may also install the plug for the BPV return line and rubber cap for BPV vacuum line.



Install the first intercooler pipe as seen below. Please reuse the OEM silicon bend and clamps from the turbo to the intercooler pipe.



Install the second pipe, silicon hose and clamps as seen below.



Second pipe from underneath with clamps and silicon hose attached.



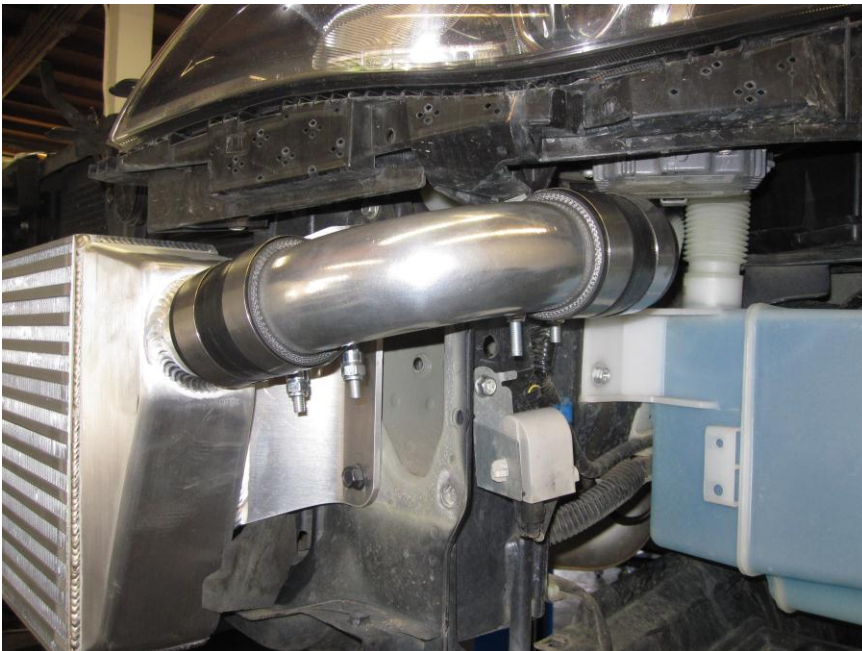
Third pipe to intercooler, please attach, otherwise you may not make boost.



Now install the fifth pipe loosely in order to get proper fitment from the throttle body (with 2.75 to 2 inch silicon connector) to the fourth pipe that attaches to the intercooler. (Refer to the first picture in instructions if unclear how the fifth pipe is it be routed)



Install the fourth pipe as seen below, with associated clamps and silicon connectors.



Tighten everything down if this has not been done so. Then start trimming the bumper for proper fitment. Take time for proper fitment and a clean look, professional installation.



Using a razor blade to clean up the edges works rather well.



Upon completion of bumper trimming, install the bumper, fog light connectors, clips in reverse order from how they were removed. You are now ready to enjoy more power upon a proper tune.



Important Notes:

1. The Crawford Performance Intercooler Kit is designed to work with the OEM stock intake box and a K&N panel filter. We have found no limitations on power through the OEM airbox to about 375whp. Above this we recommend going with a rotated turbo kit and piping.
2. The Crawford Performance Intecooler Kit is designed to work with the OEM fog lights and windshield washer tank as seen in the instructions.
3. The Crawford Performance Intercooler Kit is the most “stealth” kit on the market while being performance oriented upon a professional installation.