

C&C CarWorx Corp. 400 Market Ind. Park • #19 Wappingers Falls, NY 12590 • USA 1-888-CAR-WORX (227-9679)

GUIDE TO GRILLE INSTALLATIONS

LOWER GRILLE KIT (TOY-1840-1841) TO FIT 2013-15 SCION FR-S



Picture #1:

Our project Scion FR-S in need of a Grillcraft MX-Series Grille.



Picture #2:

Under the Hood, holding the Bumper is a black retaining bar, you must remove it by popping out the clips with a Flat Screw Driver.



Picture #3:

Then Remove the 10mm bolts holding the retaining bar to the core support.



Picture #4:

The retaining bar should come right off with all screws and clips removed.



Picture #5:

You'll need to remove the (3) clips holding the fender-liner to the bumper with a flat screw driver. Turning the wheel in the opposite direction of the side you're working on helps removal.



Picture #6:

Picture of the 3 Clips.



Picture #7:

You'll need to remove the side marker from the bumper. To do this you need to pushing the silver retaining clip on the marker through the hole with the arrow. Push the clip with one hand and pull the light gently to remove it.



Picture #8:

Here's an image of where to place the screw driver.



Picture #9:

The clip pointed to is the clip you are releasing. Note the direction its oriented.

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Picture #10:

Twist the bulb socket out of the light and pull the side marker out of the bumper. It should come free easily.



Picture #11:

To remove the bumper, there is a clip holding it to the fender. Using a flat screw driver pop the clip out.



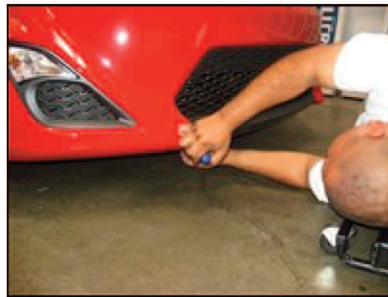
Picture #12:

The clip is placed upside-down in the bumper and is removed exactly as pictured.



Picture #13:

Now you can unclip the bumper from the vehicle by gently pulling away from the vehicle. Repeat Steps 5-12 on the other side of the vehicle.



Picture #14:

Using a flat screw driver, remove the clips holding the splash shields from the bumper.



Picture #15:

On the left and right side of the bumper, remove the two bolts holding the bumper to the core support.



Picture #16:

With all clips and screws remove, the bumper should come right off.



Picture #17:

Twist off the bulb sockets for the front turn signals (And Optional Fog Lights). The bumper should be fully detached from the vehicle.



Picture #18:

Remove the factory mesh opening from the bumper by pushing in the clips and pulling up on the mesh.

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Picture #19:

Insert the GrillCraft mesh into the bumper opening by sliding the upper section of the grill in, then the lower section from the front of the bumper.



Picture #20:

The upper tabs on the grille should line up flush with the upper tabs on the bumper.



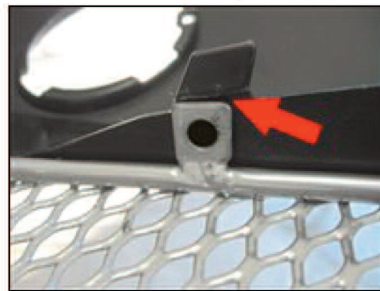
Picture #21:

Once you've check the fitment, file a notch in the upper tabs on the bumper.



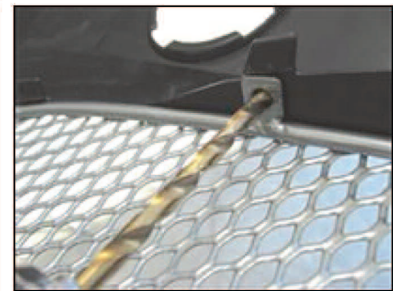
Picture #22:

This is what the notch should look like. Do not file too much as it will cause the grille to sit uneven in the bumper opening.



Picture #23:

The side tabs should line up as so in the bumper opening. The top of the grille tab sits right below the bumper tab.



Picture #24:

Using a 3/16" drill bit, drill a hole through the tab into the bumper. The grille will mount through this hole. Repeat on the other side and bottom of grille making sure the alignment is perfect.



Picture #25:

Another view of drilling the side tab for the grille.



Picture #26:

Using the supplied hardware, put a screw through the top tab of the grille and thread on a flat-nut on the other end. Make sure the grille aligns with the top of the bumper flush.



Picture #27:

Attach screws and flat nuts as so on the rest of the tabs on the grille.

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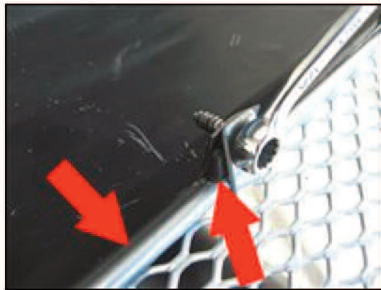
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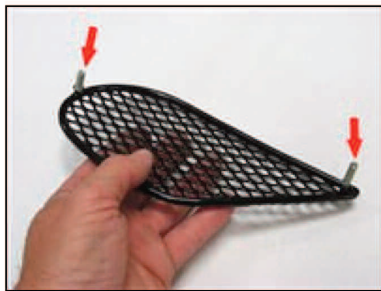
Picture #28:
Finally, check alignment on the grille and bumper and tighten the screws to the tabs.



Picture #29:
For Optional Side Vent Grilles, Start by removing the plastic trim for the side vents. Using a flat screw drive the tabs on the trim should pop right out.



Picture #30:
With all tabs unhooked, the trim should come right off of the bumper through the front.



Picture #31:
Now use the side vent grille and note the threaded studs on the grille.



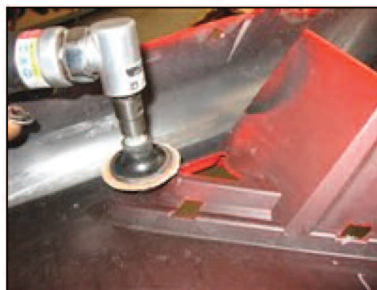
Picture #32:
Align the grille into the opening and push down on the grille. This will cause the studs to make indentation in the plastic where you will need to drill (2) mounting holes.



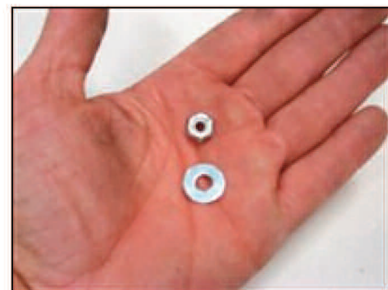
Picture #33:
Using a 9/16" Drill Bit, drill (2) holes where the studs make contact with the plastic trim.



Picture #34:
Note the location of the (2) holes. Repeat on other Plastic Vent Trim.



Picture #35:
On the back side of the bumper, a clearance hole will need to be made in order to fit the plastic trim in the bumper. Any cutting tool will work in this application.



Picture #36:
Use the supplied Lock-nuts and Washers to attach the grille to the Plastic Vent Trim.

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Picture #37:

With the Plastic trim clipped into the bumper, place the side grilles through the holes and tighten the grilles to the trim as pictured.



Picture #38:

This is what your finished product should look like.



Picture #39:

Notice with the bumper back on the vehicle the white foam bumper crash support is easy to spot behind the bumper.



Picture #40:

We suggest spraying it black with some spray paint to mask its appearance behind the grille.



Picture #41:

Or you can remove the Foam Crash Support and paint the Crash Bar Black.



Picture #42:

Scuff the paint for proper adhesion and mask off the beam. Clean it with mineral spirits and spray the beam black.



Picture #43:

When Finished Spraying, you should end up with the beam looking like this.



Picture #44:

With the bumper back on the vehicle, your Scion FR-S should look like this with a Proper Grillcraft Grille!



Picture #45:

Our Scion FR-S Looking Great With A Grillcraft MX-Series Custom Grilles w/ Optional Side Vent Grilles.

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Picture #46:
Our Scion FR-S Looking Great With A GrillCraft MX-Series Custom Grilles w/ Optional Side Vent Grilles.



Picture #47:
Our Scion FR-S Looking Great With A GrillCraft MX-Series Custom Grilles w/ Optional Side Vent Grilles.



Picture #48:
Our Scion FR-S Looking Great With A GrillCraft MX-Series Custom Grilles w/ Optional Side Vent Grilles.



Picture #49:
Our Scion FR-S Looking Great With A GrillCraft MX-Series Custom Grilles w/ Optional Side Vent Grilles.



Picture #50:
Our Scion FR-S Looking Great With A GrillCraft MX-Series Custom Grilles w/ Optional Side Vent Grilles.



Picture #51:
Our Scion FR-S Looking Great With A GrillCraft MX-Series Custom Grilles w/ Optional Side Vent Grilles.



Picture #52:
Our Scion FR-S Looking Great With A GrillCraft MX-Series Custom Grilles w/ Optional Side Vent Grilles.



Picture #53:
Our Scion FR-S Looking Great With A GrillCraft MX-Series Custom Grilles w/ Optional Side Vent Grilles.



Picture #54:
Our Scion FR-S Looking Great With A GrillCraft MX-Series Custom Grilles w/ Optional Side Vent Grilles.

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