



## FS Performance Engineering

### Scion FRS 2013-2016 Front Splitter “Fangs” Installation Instructions

#### **Tools Needed:**

- 10mm socket and wrench
- Ratchet wrench
- Cordless drill
- 5/16” diameter drill bit (possibly smaller too)
- Flat head screwdriver or clip remover (possibly), tools as needed to remove splashtray
- A friend or family member (hopefully not a “tool”) or a professional aero installer
- Set of small handheld SAE allen wrenches (for the splitter rods)

#### **Included in Kit:**

- (1) Front Splitter
- (8) M6-1.0 x 12mm hex flange bolts (shorter bolts)
- (1) M6-1.0 x 20mm hex flange bolts (medium length bolts)
- (4) M6-1.0 x 40mm hex flange bolt (longest bolts)
- (12) M6-1.0 hex flange nuts
- (21) Fender Washers
- (4) 20mm Spacers

#### **Steps:**

1. Raise car and secure with jack stands.

2. Identify the 8 holes found in the front bumper and 5 underneath the car (4 are part of the chassis). The center hole is actually already threaded. The FRS we worked on to design this diffuser was missing the splashtray and a couple other components. Remove/temporarily move what is needed to access these holes.



3. Identify where you will be attaching the splitter rods to the car. If you install the splitter, and then determine where the rods go, you will find yourself removing the splitter to gain access to behind the bumper. If you want to determine where you would like the rods after you install the splitter, that is OK too! Much easier to visualize positioning once the splitter is on.

Our FRS already had the bumper grill cut out in two areas. Using a small drill bit first, then a 5/16" bit and a cordless drill, we drilled into the aluminum crash beam for both rods. Position and install the rods using your allen wrench. Tighten securely. See our example below.





4. Place eight of the shorter bolts (12mm long) into the eight holes already in the bumper. Use a fender washer on each bolt as show in the illustration.



5. With help from a second person, install the splitter with eight nuts and eight more fender washers as shown in the picture. Install the bolts/nuts starting on one side of the bumper and then moving one bolt/nut at a time to the other side. Hand tighten. **BE CAREFUL NOT TO PUSH THE BOLTS BACK INTO THE BUMPER OR YOU WILL BE MAD.**





6. At the center-rear of the splitter install the only medium length (20mm length) bolt you have and a fender washer up through the splitter and into the threaded hole. Identified by an ARROW in the illustration. Hand tighten.

Install your four long bolts (40 mm length), four fender washers, and four 20mm bolts through the splitter and into the chassis. Point the bolts upward and use the nuts on top. Identified by the CIRCLES in the illustration and in the second picture. Hand tighten.



7. Go around and tighten all of the bolts/nuts on the underside of the splitter.

8. Drill two 5/16" holes into the desired locations on your splitter for the support rods. Install those beautiful support rods onto the splitter and tighten securely. See our example:







9. Enjoy your new FS Performance Engineering front splitter! Remember to send us pictures once it is installed.



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