



## FS Performance Engineering

### Nissan NISMO (2009-2014) Front Splitter & Under Tray Installation Instructions

#### **Tools Needed:**

- 10mm wrench
- 10mm socket / ratchet wrench
- Flat head screwdriver / clip remover
- Rod tools shown on splitter rod installation guide
- Friend / helper

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

- (1) Splitter
- (1) Under Tray
- (2) Flares / Fins (left and right side)
  
- (4) ¼"-20 x ⅝" SS countersunk bolts
- (4) ¼"-20 SS nyloc nuts
- (4) ¼" black countersunk washers
  
- (13) M6-1.0 x 20mm hex flange bolts
- (8) M6-1.0 x 30mm hex flange bolts
- (12) M6-1.0 x 40mm hex flange bolts
- (6) M6-1.0 x 55mm hex flange bolts
- (2) M6-1.0 x 65mm hex flange bolts
  
- (33) ¼" ID, 1" OD fender washers
- (29) ¼" lock washers
  
- (12) M6-1.0 nyloc nuts
  
- (4) 10mm spacers
- (2) 15mm spacers
- (6) 35mm spacers
- (2) 45mm spacers
  
- (1) Pair of rods 10.25-12" long
- (2) 5/16" ID, 1.25" OD SS washers
- (4) 5/16"-18 x ¾" SS button head bolts

**Steps:**

- 1.) Raise the car and secure it with jack stands.
- 2.) Remove the original tray. It has 16 bolts (10mm heads) and 6 clips. You no longer need it.

BEFORE:



AFTER:



3.) The front bumper has 12 bolts that hold the plastic cover on (circled). You will be removing these bolts, and replacing them with our hardware. We recommend removing all but the most left and right bolts, installing the splitter, then replacing the left and right bolts. So essentially starting in the middle and moving outward. Use M6-1.0 x 40mm long bolts with ¼” lock washers and 1” OD fender washers under the heads. Tighten securely.

The “squared” speed nuts will be utilized as well. You will be using six M6-1.0 x 30mm long bolts with ¼” lock washers and 1” OD fender washers under the heads, and 10mm spacers between the splitter and speed nuts. Tighten securely.







4.) Now you need to install the radiator support bolts. Use M6-1.0 x 55m bolts with 1" OD fender washers under the heads, and 1/4" small washers + nyloc nuts on top. (no lock washers) Use 35mm spacers between the splitter and radiator support. To reach the top of the bolts on the radiator support reach in from the front grill with a 10mm wrench. Tighten securely.





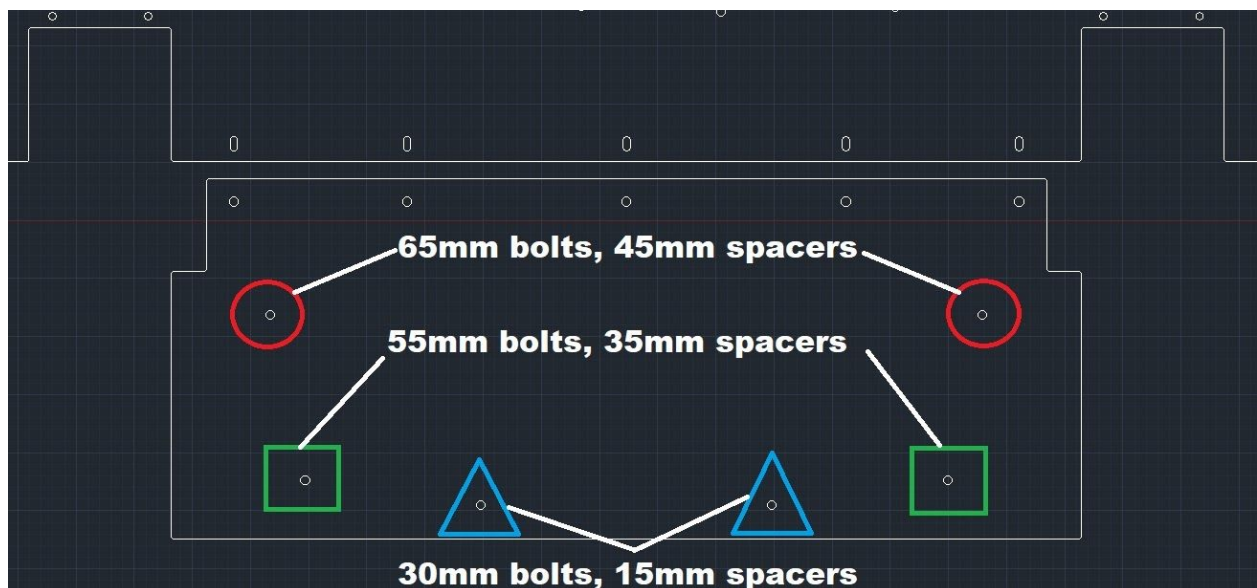
5.) Install your brake duct openings. Use M6-1.0 x 20mm long bolts pointing upward and nyloc nuts on top. Securely tighten.



6.) While you're under the car install your under tray. The undertray has built-in rivnuts for an easier installation - it sits on top of the splitter. Install M6-1.0 x 20mm bolts, 1/4" lock washers, and 1" OD fender washers loosely into the 5 holes on the splitter.



7.) The remaining holes in the under tray use various spacers and bolt lengths. All of them use 1" OD fender washers and 1/4" lock washers under the bolt heads.. Here is a top-down schematic of what goes where. Tighten them securely. Then tighten the ones from the previous step.







8.) Install your rods. Use the splitter rod installation guide to do this. There are pre-drilled holes in the splitter for this. This is where we installed our rods.







9.) Install your flares! Use the supplied 1/4"-20 countersunk bolts and washers, as well as the 1/4" nyloc nuts on the bottom. Securely tighten.



10.) You are done!!! Enjoy your new FS Performance Engineering aero! Be sure to use #FSPerformanceEngineering in the online world.



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