

Front License Plate Holder Installation Instructions

Rev E

10/9/2017

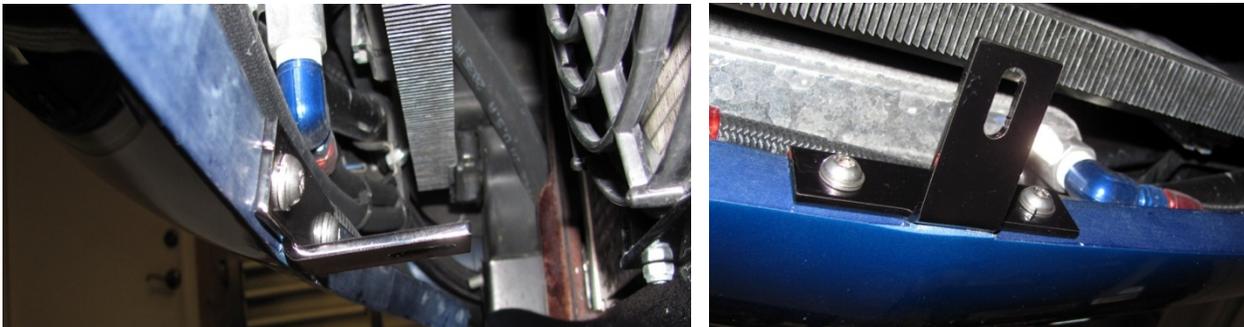
Your kit comes in one box, with the structural parts mostly assembled, so that you can see exactly how the brackets all go together. The long mounting bar is now a two-piece part with masking tape markings for driver and passenger front. Please take careful note of how things go together. There will be a test later ☺....

The aluminum plate is now a two piece part that needs to be screwed together. The screws are already in their correct spots, so all you have to do is assemble the two silver parts and you are good to go. Please be sure to use some Loctite or a little silicone sealer on the threads so that they will set in place permanently. The aluminum parts mount to the black steel assembly in the last stages (with the 3 screws & lock washers on the black "foot"), so set this aside when you have the two aluminum parts put together.

Remove the fascia mount from the "foot" on the frame mount. This is done by holding the single flat head screw with the allen wrench and removing the nylon lock nut from the other side. Set the frame mount, screw and locknut aside for now.

Install the fascia mount onto the fascia. Remember how it was mounted to the rest of the system? You will be pinching the fascia with the two steel plates and the screws will come in from the side you can see, through the fascia and into the nut plates behind the lip. Please be sure that the "T" is down. The bottom of the "T" will be about even with the bottom of the fascia. See photos below.

If you do not have holes already drilled in your fascia, install the rest of the mounting system and then come back to the previous step and install the fascia mount last. You will need to center up the "T" bracket on the fascia, mark and drill a pair of 1/4" holes and then install the fascia mount.



Remove the front two (of the four bolts) from the lower radiator support. These are 8mm bolts that will require a 13mm wrench to remove. Once you have the two bolts out, remove the "clip nuts" that the two bolts were screwed into. We will reuse the bolts, but not the clip nuts. You may have to loosen or remove the rear bolts to get the front nut plates out. If this is the case, pull the rear clip nuts off also. I have provided enough hardened washers and locking nuts to put it all back together.

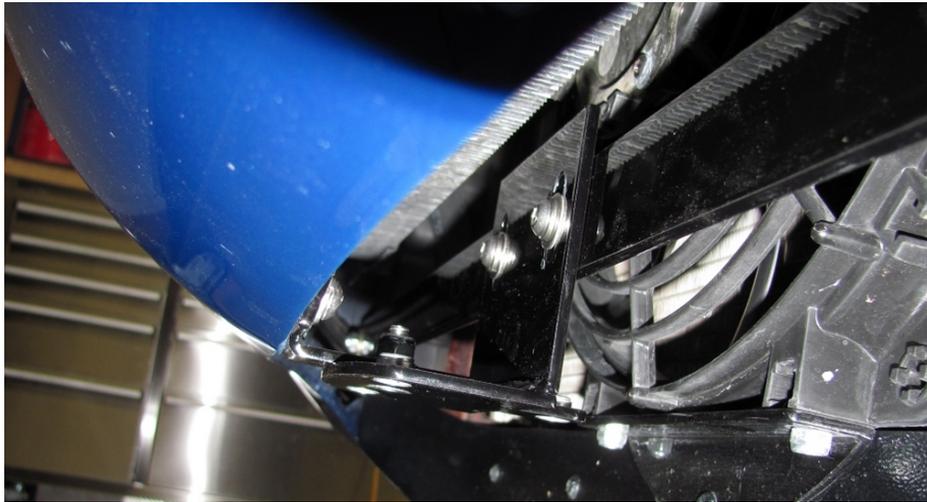
Reinstall the two bolts through the frame and lower radiator support from the rear toward the front, with the threaded end of the bolts pointed forward. This will leave a bare end exposed for you to hang the new black frame attachment on. Put the black frame attachment onto the two exposed bolts and then install the hardened steel washer and the 8mm nylon locknuts on each side. Snug up the assembly, but leave it loose enough to slip side-to-side.



You should now have the forward facing “foot” of the frame mount directly below the fascia mount. Install the flathead screw and locknut back into their original hole. You will need to loosen the two screws that set the vertical height of the “foot” and also position the entire frame mount (left to right) so that everything lines up

I’m sorry that you have such a lot of stuff loose all at the same time, but each SSR is slightly different in the way that the fascia aligns with the frame and I had to accommodate all of the variability. The fascia mount is already tight and in place. The side-to-side of the frame mount is adjusted so that the “foot” is centered on the fascia mount. Once you are happy that it is, tighten up the frame mount to the lower radiator support. The 8mm hardware will put up with 32 ft-lb of torque, so you can snug it up nicely.

Now that the fascia and frame mounts are set, you will need to position the “foot” so that it ties everything together without any undue loading on the fascia. Get the flathead tight and then the two vertically slotted mounts tight. It should all be snug now.



Install the aluminum plate mount with the three screws. This will put the plate mount just in front of the fascia. You will be able to install a bra on the truck for trips, if you have one. If you want, you can bend the aluminum plate more vertical until it touches the fascia and install a small piece of soft Velcro on the back of the plate holder where it touches. The aluminum is 5052-T3, so it is soft enough to bend with your bare hands without cracking. If you are going to do this, please DO NOT do it on the truck. The one in the photos is the old, one piece, plate holder.



Install your license plate to the aluminum plate holder with the 4 included screws and lock washers.

Please send feedback on any difficulties or suggestions you may have. Call me on my cell if you get stumped or are having problems with my instructions.

All of your correspondence needs to go to mike@simple-engineering.com. Please forward photos as email attachments to me at that address as well.

Regards,

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