



FS Performance Engineering

Toyota Corolla 2014-18 Spoiler Extension Installation Instructions

Tools Needed:

- Friend / helper
- Masking tape
- Ruler / flexible measuring tape
- Marker
- 25/64" Drill bit (if using rivnuts)
- 1/8" or small size drill bit
- Drill
- Threaded insert rivnut tool with 1/4"-20 mandrel
- 5/32" allen head wrench

Additionally if using nuts/bolts:

- 10mm socket
- Long extension
- Ratchet wrench
- 5/16" Drill bit
- Needle nose pliers
- Fishing line / strong string
- Gloves
- Double sided tape
- 7/16" wrench
- Clip / plastic interior piece removers

Included in Kit:

- (10) 1/4"-20 threaded rivnuts (2 extra just in case)
- (8) 1/4"-20 x 1" long stainless steel countersunk bolts
- (8) 1/4" black countersunk washers
- (8) 1/4" small washers
- (8) 1/4"-20 stainless steel nuts
- (2) White vinyl patches

Steps:

1.) Begin by determining how you will be installing the spoiler extension onto your OEM spoiler. There are two methods.

Method 1: Installing threaded rivnuts onto the spoiler extension. This is a quicker, and easier method and is recommended. Our instructions will show this method. You need a threaded rivnut installation tool with a 1/4" mandrel. These tools can be commonly found at hardware stores or online.

Method 2: Installing the spoiler extension with nuts on the inside. This requires removing the spoiler extension all together. Since we did not do this method ourselves, we are not able to thoroughly show you how to do it start-to-finish. However, we can show you what needs to be removed and how. We provided hardware for this method as well.

2.) Begin by placing masking tape onto the OEM spoiler and just below it at the center.



3.) Using a ruler or flexible measuring tape mark the center of the OEM spoiler. Feel free to use the center of the Toyota badge as a reference.



4.) Place masking tape onto your spoiler extension and mark the center of it at the bottom.





5.) With help from a friend hold the spoiler extension up against the OEM spoiler so the center line on each part line up.

In the 1st picture I am pointing at the hole that will need to be marked first on each side (2nd hole from the outside). Just below that specific hole make sure the bottom of the spoiler extension is flush with the bottom of the OEM spoiler on both sides.

Once it is flush on both sides mark that hole location on each side.

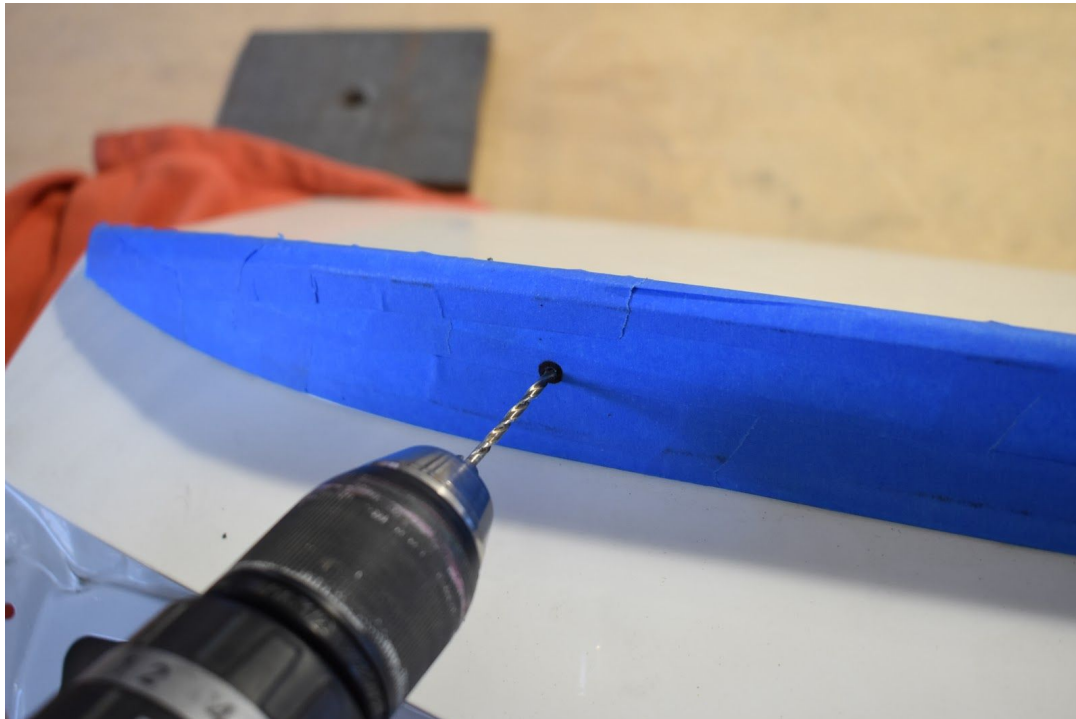
PICTURE 1:



PICTURE 2:



6.) Drill holes at those marked locations with a small drill bit (around a 1/8" should be good). Be careful not to push through so hard that you accidentally hit the trunk underneath.

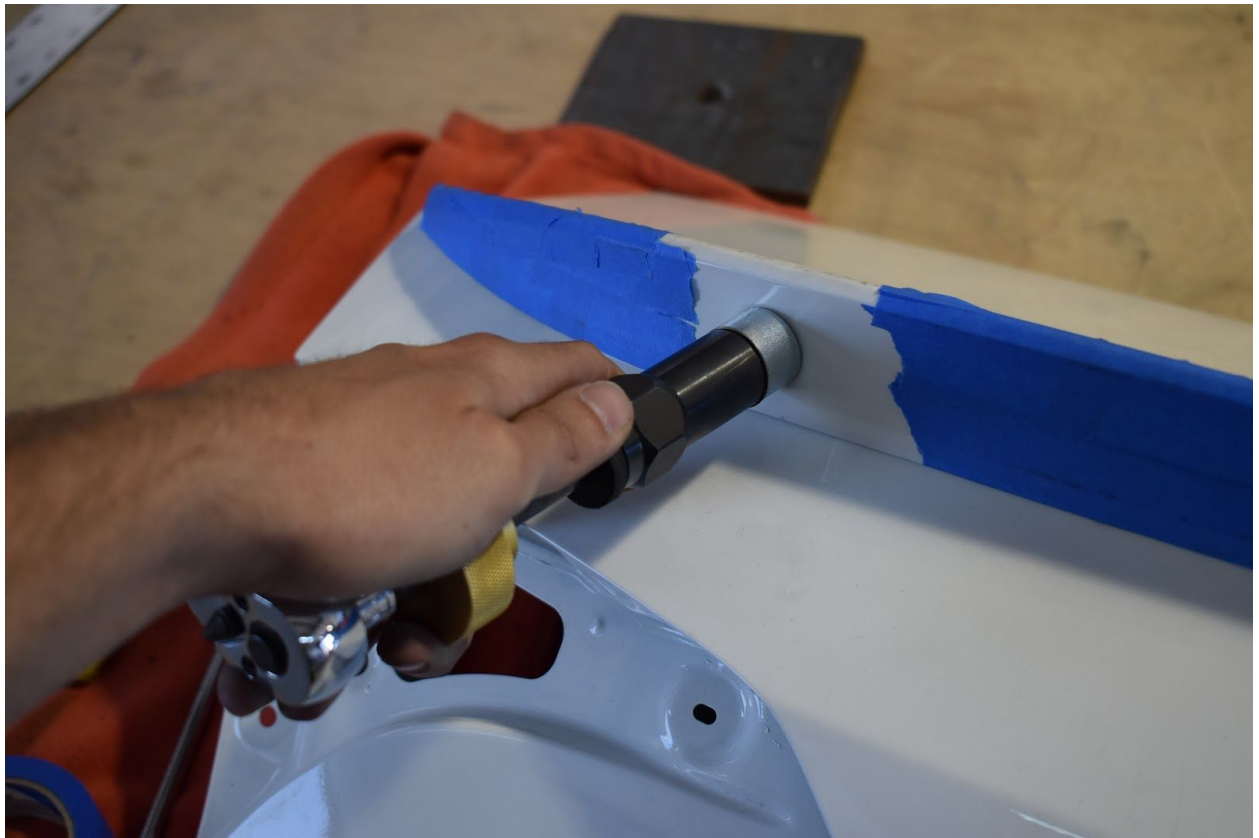


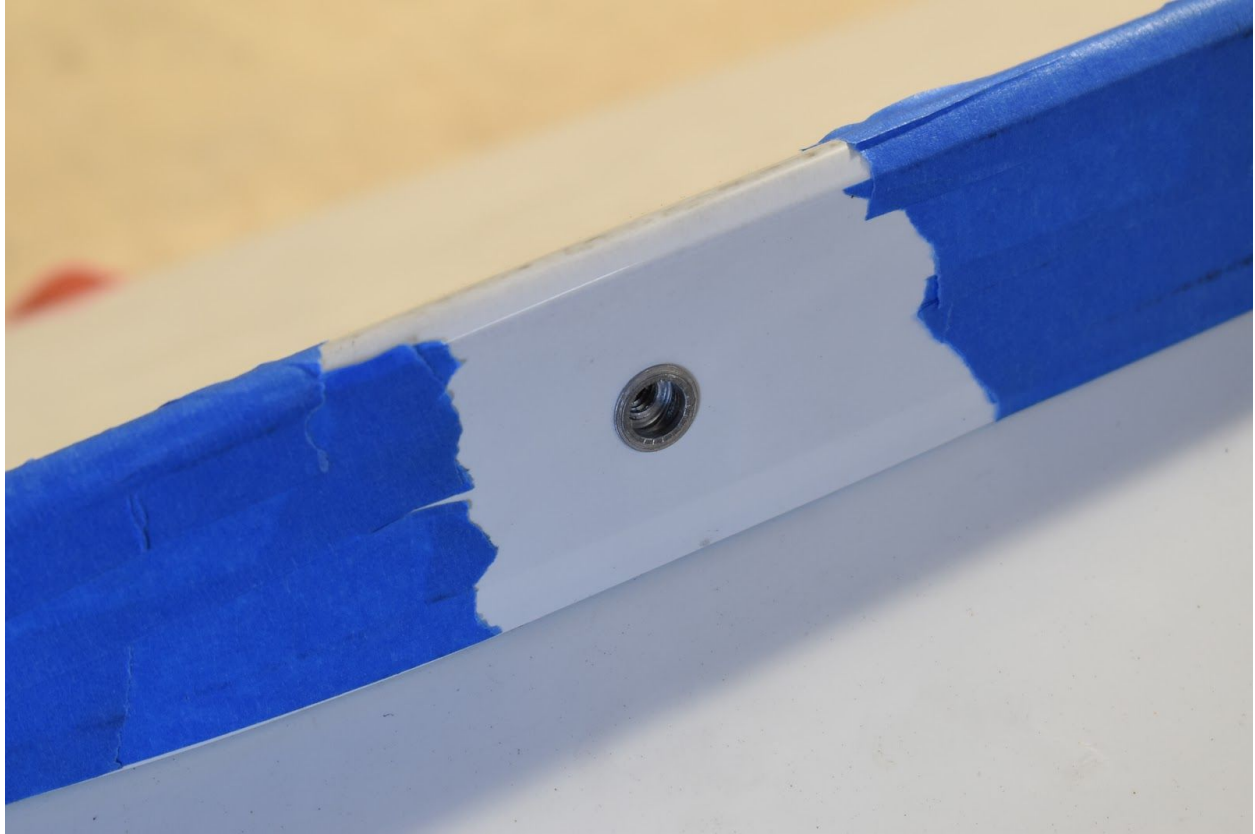
7.) If you are installing rivnuts, drill those holes out with a 25/64" drill bit. If you are using a nut/bolt combination drill them out to a 5/16" hole.



8.) Remove the tape around those two holes and install 1/4"-20 rivnuts. If you are unfamiliar on how to use a rivnut tool, look online. There are different tools for the job. Make sure you do not overtighten or under tighten the rivnuts.

If you are installing nut/bolts instead you will need to remove the OEM spoiler and reinstall it in place of each rivnut we install. At the end of these instructions you will see how the spoiler is installed and what it takes to remove it. Feel free to jump to the end to take a look.





9.) Bolt on your spoiler extension into the two threaded inserts using the provided bolts, washers, and a 5/32" allen head wrench. Assure the bottom of the spoiler extension lines up with the bottom of the OEM spoiler then snug those two bolts.

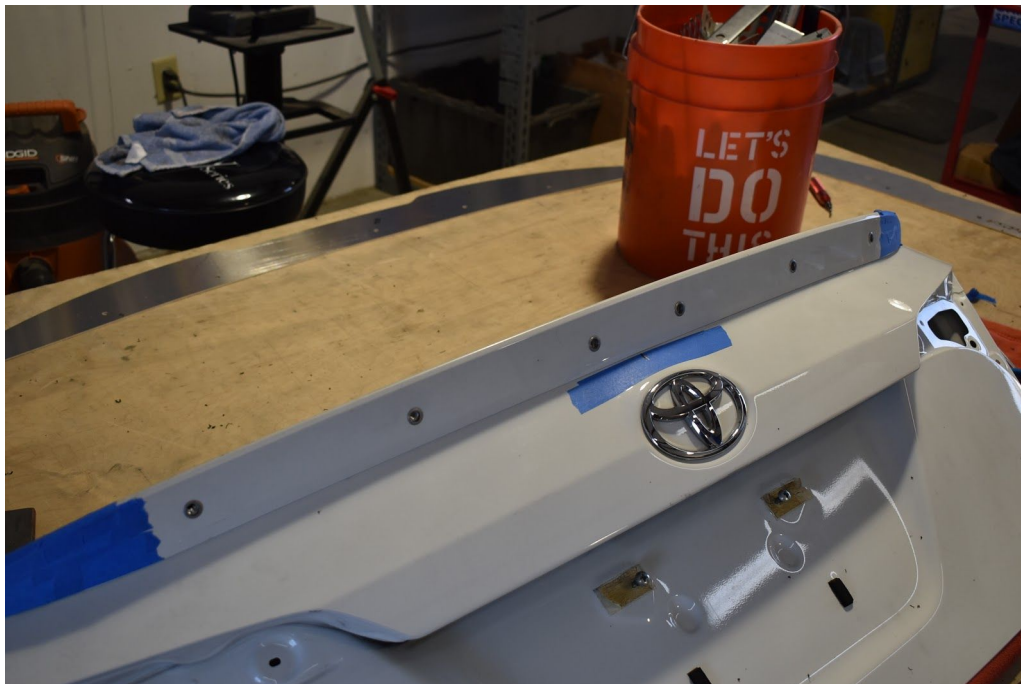
Next hold the spoiler extension up against the OEM spoiler at the center and mark the center 4 holes.





10.) Next:

- Remove the spoiler extension
- Locate the marked holes
- Drill out the holes with a small drill bit then a 25/64" bit
- Remove the tape at those locations
- Install rivnuts at those locations.
- Reinstall the spoiler extension onto the spoiler in the 6 threaded rivnuts (snug them up)





11.) Now you will need to use your strength to push each end of the spoiler extension around the OEM spoiler. Mark the holes on each side.







12.) Remove the spoiler extension, drill the outer holes, and install rivnuts into them. Remove all blue tape. We provide 2 white vinyl patches that can be placed onto the OEM spoiler underneath the “FSPE” on the spoiler extension. Feel free to use them so the letters pop.

Do a final installation of our spoiler extension. All bolts should be snug so as the spoiler extension sits up against the OEM spoiler flushly.

13.) Enjoy your new FS Performance Engineering aero! Tag us & use #FSPerformanceEngineering in the online world!!



For questions email costas@fspeinc.com or jim@fspeinc.com
Or call/text us at (661) 809-0954

HOW THE OEM SPOILER IS REMOVED FROM THE TRUNK

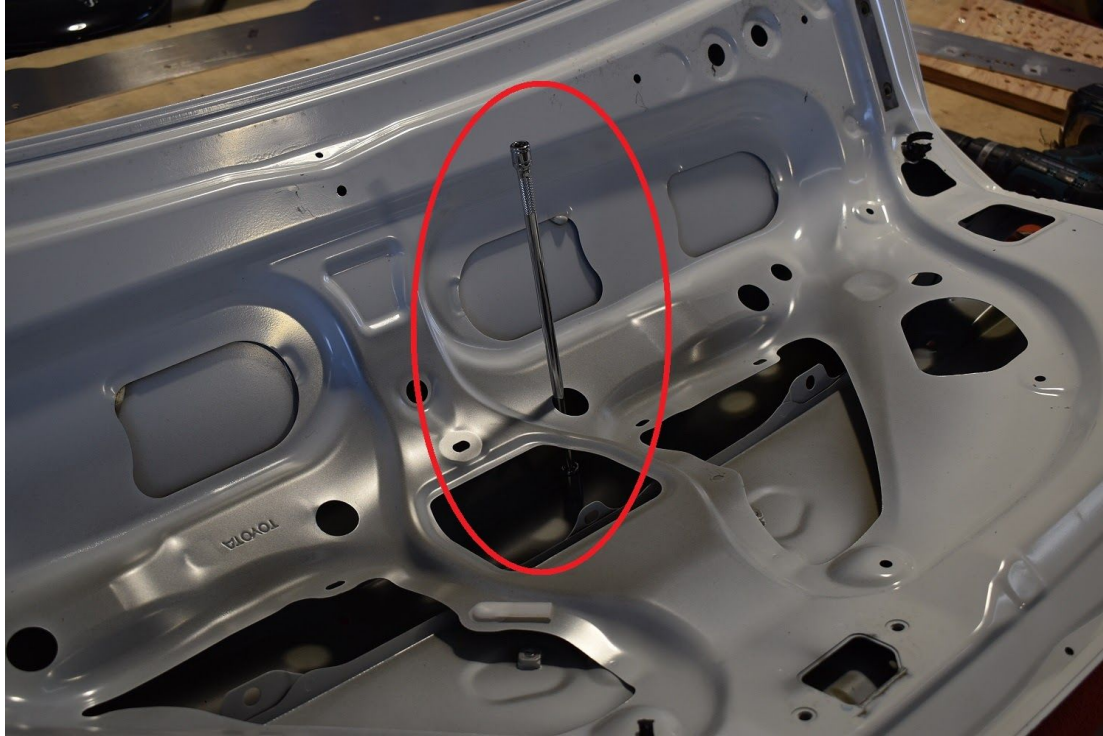
Our trunk was already off of the car when we got it. Bare with us.

The OEM spoiler is held onto the trunk with 4 nuts (locations circled in the pictures), and 2 clips (squared in the pictures).



The bolts and clips can be accessed from the inside of the trunk under the plastic / liner. You can remove the bolts with an extension & 10mm socket, and the clips push out with the OEM spoiler. We used needle nose pliers to squeeze them.





The OEM spoiler is also held with double sided tape. Use some fishing line, and intuition, to cut the tape. This may be a bit difficult.





Use a 5/16" drill bit for all holes made in the OEM spoiler, and a 7/16" wrench for the nuts when tightening. USE THE SMALL 1/4" WASHERS UNDER THE HEADS OF THE NUTS :)

OKAY THAT'S EVERYTHING WE HAVE FOR YOU!!!!

CHEERS & GOOD LUCK :)