



FRONT STEEL HYBRID SLIMLINE BUMPER INSTALLATION

2014+ SR5 and Trail Edition 4Runner

Version 1.3 - 2016

Thank you for purchasing the Southern Style Speed Toyota 4Runner Hybrid Slimline series for the SR5 and Trail Edition Models.

Included Content:

- 1-piece steel bumper with/without light cut outs.
- Hardware
 - 8 - 3/8" button head bolts w/ washers
 - 2 - m12 flange head bolts
 - 8 - m10 flange head bolts
- Optional Accessories
 - Light bar, winch, etc.

- Additional tools required:
 - 17,14,12,10 mm socket/impact
 - 3/8" extension
 - 1/2" and 3/8" drive ratchet wrench
 - Flat and Phillips screwdriver
 - Dremel style rotary tool with rip saw blade or high speed cutting disk

Begin installation by carefully unpacking the bumper from the box and removing protective materials. Verify all required hardware and optional accessories are included.



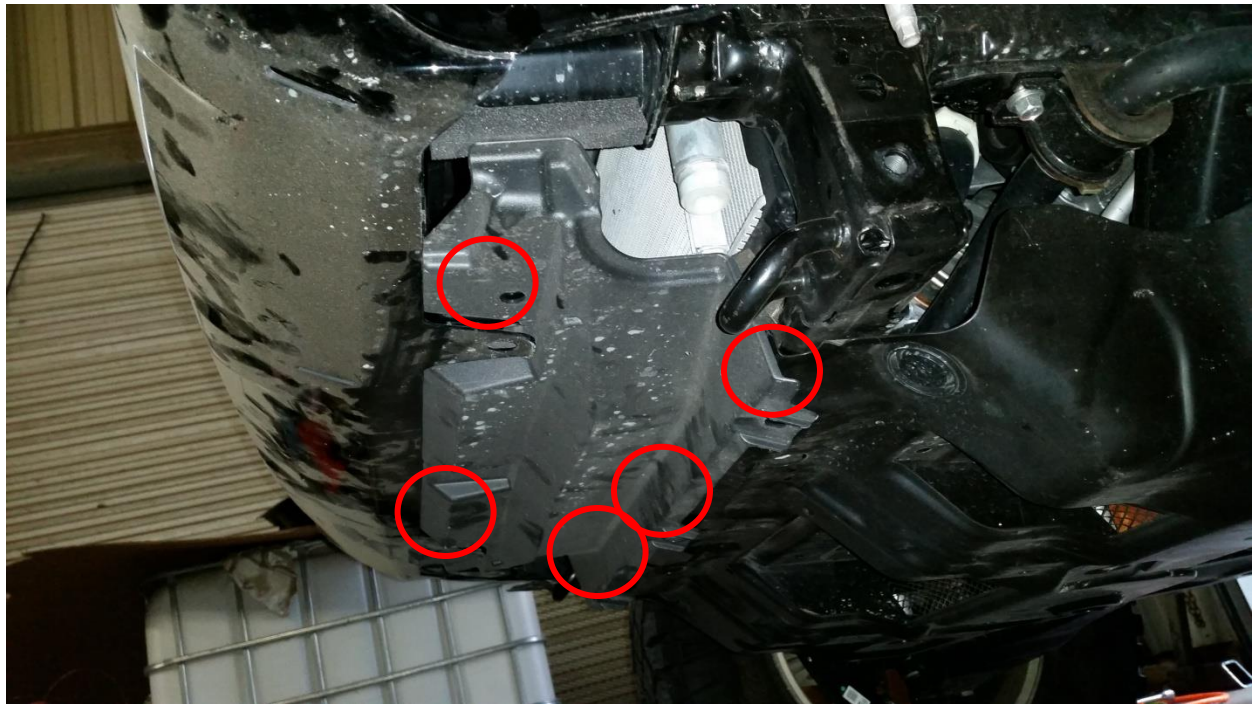
First, remove all the plastic clips holding the radiator engine cover in place so that you may remove it for now. To do this, press the center pin all the way down. Once you have accomplished this, hold the clip at its base and pull it out of the mounting hole.



After removing the engine covers, you will also need to remove the remaining clips holding the front bumper cover onto the truck. You will find these clips between the headlights near the grill area. Use a flat head screwdriver to pry up the center section, then remove the clip by the base.



Remove every 10mm bolt on the underside of the OEM bumper cover. Also remove any plastic clips. This will help to free up the plastic fender liners for removal in the next step.



Remove the remaining clips and fasteners connecting the fender liner to the front bumper cover.



Also remove any remaining bolts or clips holding the fender liner to the bumper from underneath the truck at this same location.

Before continuing, be certain that all plastic clips, screws, and bolts holding the OEM bumper cover onto the truck have been removed. To get started, pull down and out at the corner indicated in the next picture. This may take more force than anticipated.

The OEM bumper is designed to latch to the fender even without any hardware holding it. Stop once you have achieved this on both sides.



It may help to pry this section around from its screw location. It is located in the wheel well at the circled location:



Once the fender liner has been separated from the bumper cover by removing the clips holding it in place, **disconnect your fogs lights**. Disconnect the harness plug at the light bulb.

Next, stand in front of the vehicle on the same side that you just started removing the bumper cover. By pulling at an upward angle and towards you, disengage the large plastic latches located in the circled area.



After disengaging these latches the bumper should start to easily “peel” off.

WARNING: If the bumper does not start to easily come off of the truck at this point, STOP and be certain that absolutely no clips or bolts were left impeding removal.

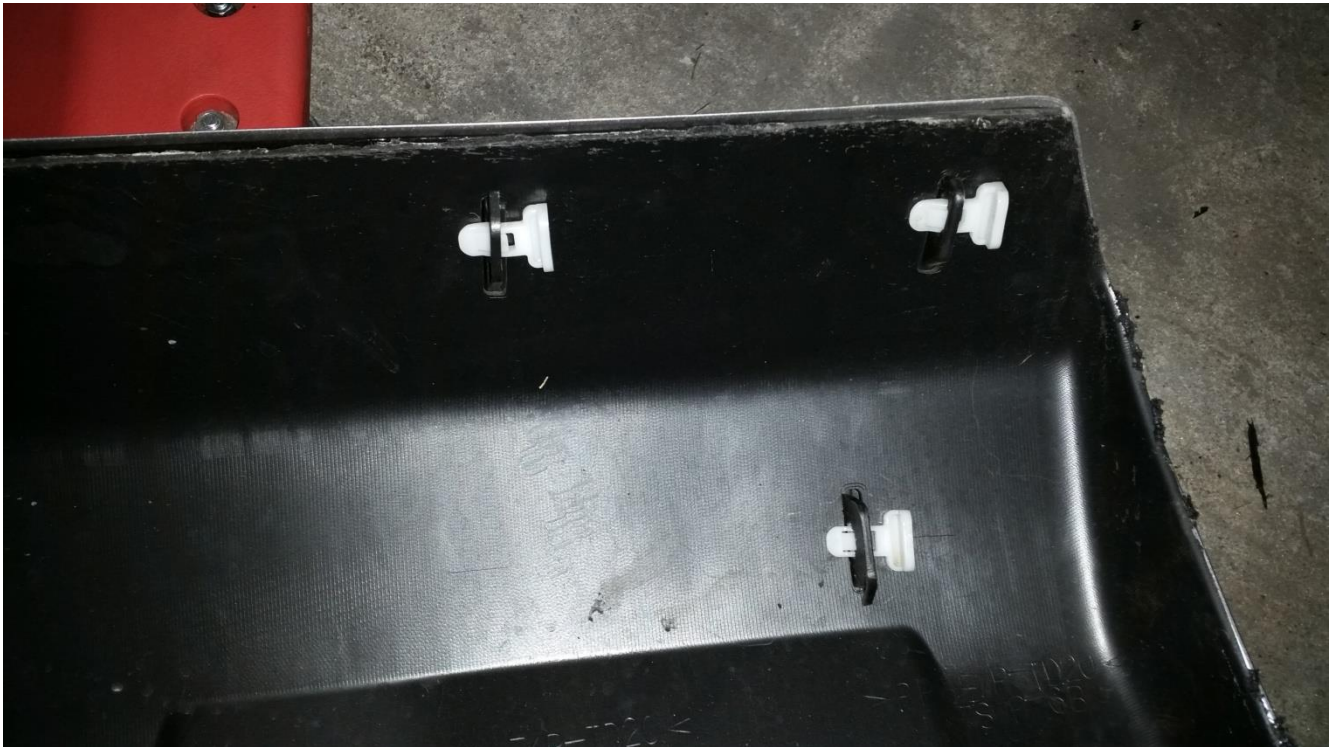
When the OEM bumper has been removed, you'll expose the cross beam that joins the frame rails together. Remove the 8 - 14mm flange head bolts holding this section to the frame rails.



Remove this center frame rail from the truck

Now we focus again on the front bumper cover. We will be marking the outline of the center section cutout. For Trail Edition owners, the template is already provided to you in the form of the silver clip on section. SR5 owners should use the provided template. With a CLEARLY visible paint pen or sharpie marker, trace the outline of the silver clip on piece (or template) to the bumper cover. You'll find that when you remove the center silver section, the bumper is still relatively solid just like the SR5. You must remove the entire center area as if you took the silver piece off (or template) and there was nothing but a hole in its shape.

After you have successfully drawn the template onto the oem bumper cover, remove the template or center silver section by way of clips on back side.



Clips that hold center silver piece directly to bumper cover.

READ THIS SECTION ENTIRELY

Use a dremel tool with a rip saw wheel or a high speed cutting disk and CAREFULLY make the cut on the long horizontal line first. The high speed cutting disk has a high likelihood of melting plastic rather than a sharp cut. Use a rip saw blade to ensure accuracy and control. Take your time and keep repositioning your hands and body to maintain as much control as possible while cutting down the line. It is alright to stop, reposition, and then begin cutting again. It does not have to be accomplished in one cut.



After making the initial long cut, place the bumper face down on a soft surface (beach towels etc.) so as not to scratch the finish. You should be able to see the beginning and end point of the long line you just cut. From both of those points, mark a line straight down the ridge that is formed along the edge of the center section all the way to the very bottom of the bumper.



Carefully make these much simpler cuts leaving an edge for the trim and you should be left with a piece like this:



You will also need to trim two small tabs flat, directly under the center grill located here:



Remove black plastic air flow ducting on either side of the radiator.



Using 10mm/Phillips screws and pushpins, reinstall the remaining OEM bumper back on to the truck. Some original mounting points will be unavailable, but use as many as possible. After installing all of the pushpins from the top and the Phillips head screws into the fender wells, your truck should look like this.





Before installing your bumper, if you have a TRD Pro skid plate please remove the SSO Lower skid on the bumper.



There is 5 bolts to remove. 3 on the bottom of the bumper and 1 on each side of the bumper.

Once you unbolt these you will be able to fit your TRD Pro skid plate with the bumper.

Reconnect your fog lights.

Using the supplied edge trim, cover the cut edges all the way around the hole in the OEM bumper cover.



**IMPORTANT: Install led lights and the winch before bolting the bumper to the truck.
If installing a winch, a minimum of 2 people is required to safely complete the job.**

Line the Slimline bumper up to the whole opening in the OEM bumper cover. Notice that the mounting pads on the frame of the truck match up with the mounting pads on the Slimline bumper. The leg with a single bolt hole is for additional strength by connecting the lower radiator support to the main frame rails through the bumper.



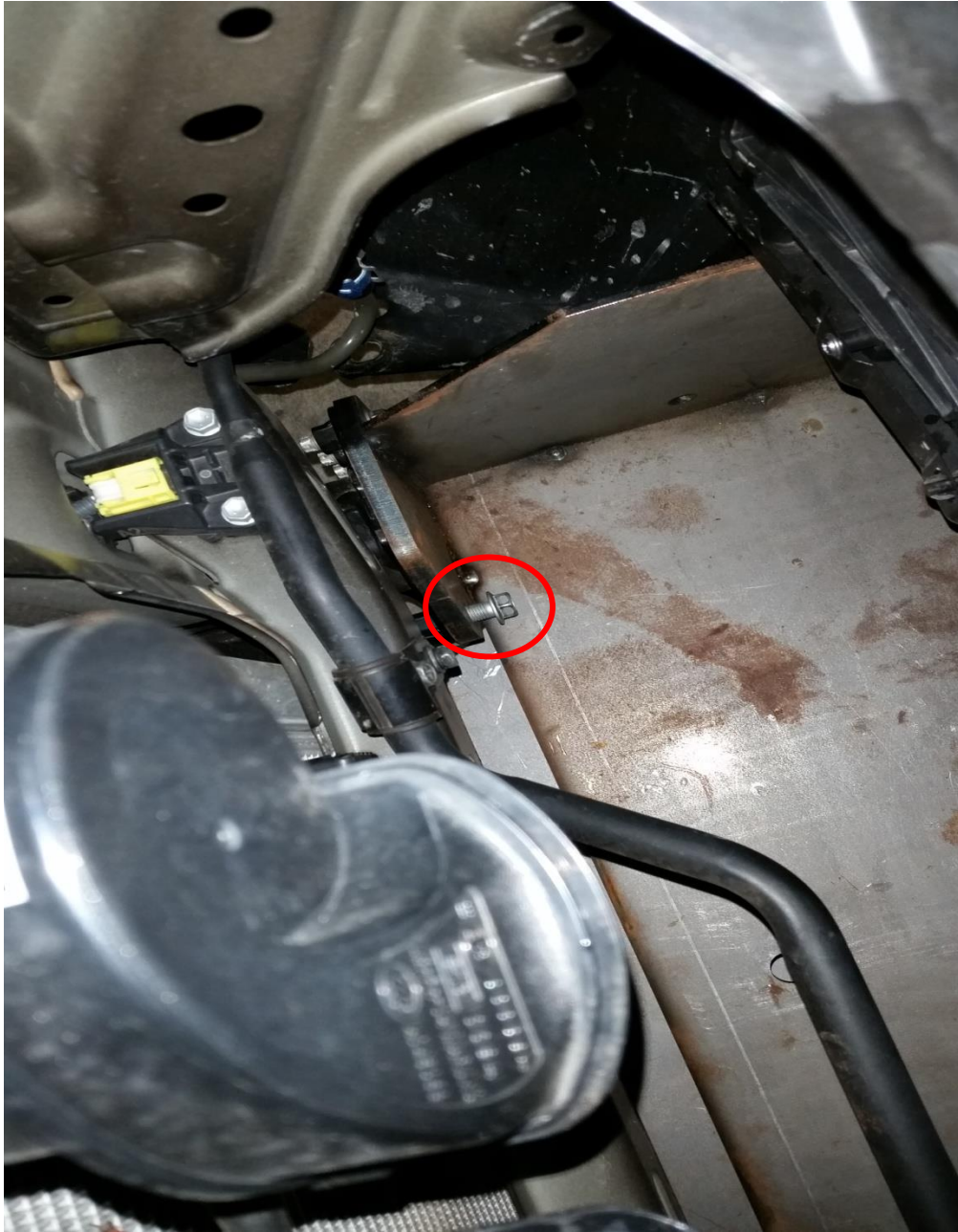
With a team of 2 to 3 people CAREFULLY install the bumper to the truck by first locating bolts to the appropriate bumper bolt hole. With 3 people, 2 will carry the weight of the bumper and accessories while the third has the job of ensuring bolt hole alignment, frame bolt tightening, and that the truck/bumper is not damaged during installation.

Begin by installing the supplied m12 bolts into the radiator support through the leg on each side of the Slimline bumper. This will allow the bumper to pivot slightly and make it easier to line up the other bolt holes.



After the bumper has been slid into place, start threading as many frame bolts as possible. If you secure a top and bottom frame bolt on each side, you will be able to begin releasing the bumper so that the truck is supporting all of the weight. There is

also 1 bolt on each side located to the inside of the bumper which are accessed through the top of the engine bay.



Use this opportunity to adjust the bumper slightly so that all body lines match before tightening down. **Torque the m10 bolts to 60ft/lbs and the m12 bolts to 75ft/lbs**

Install the remaining brackets from under the truck on both sides. These brackets are to reinforce the oem bumper cover by providing a rigid surface to mount. Install the

short portion of the L bracket to the slimline hybrid bumper using the supplied button head bolts and washers. Align the two holes on the oem bumper wing to the newly installed bracket and tighten down with the supplied button head bolts and washers. Repeat on passenger side.

Optional: Cut a 3" or larger diameter hole in the radiator cover near this point marked with an x for access to winch clutch lever. You may also elect to leave the radiator cover off.



CONGRATULATIONS! You've just successfully installed your Southern Style Speed Slimline Hybrid 4Runner bumper. Below are some included photographs of proper alignment and fitment to the body of the truck. There should be some gap between the bumper and the body of the truck to allow for flex during extreme trail riding. This is normal.



