



## TrailBlazer SS Hitch Delete Kit

This kit was designed for racing use as a rear bumper support only. It will not function as an impact device in the event of a collision.

-Please check upon opening packaging you have all of the following pieces (If not, please call 708 691 2613 or email to [Scott@BoltOnSpeed.com](mailto:Scott@BoltOnSpeed.com))

Image 2



Image 1



- One Top support Plate with flared holes.
- Two side frame supports. (top left and top right in photo)
- Two center lower bumper supports. (Top middle two brackets in photo)
- Four M16 Nylock nuts and washers. (Hardware in photo that is not in bag)
- 20 M8 Stainless steel socket head bolts and matching nylock nuts.
- 38 Small M8 Stainless steel washers.
- 2 Large M8 Stainless steel washers.
- 1 Tube of Anti-Seize.

**PLEASE NOTICE:** The hardware included for joining the bumper support plates together are Stainless and require lubrication for proper assembly to prevent thread galling! **We have included a tube of anti-seize to use on the bolts.** Failure to do so can cause the nut and bolt to seize together upon install. Apply before running nut onto bolts!

Step 1. Follow manufacture instructions to lower and remove spare tire. (To gain better access to hitch bolts)

Step 2. Remove Spare tire Carrier assemblies by removing the 3 total fastening bolts with a 15mm socket. First remove the two bolts holding the cranking mechanism (Image 3) from the frame using a 15mm socket. Then remove the tire lift mechanism (image 4) itself by removing the one bolt to the right side of the bracket and it will slide towards the passenger side of the truck to come free. Slide the assembly out of the support slot that holds it in place.



Image 3



Image 4

Step 3. Unbolt rear bumper by removing

- 2 bolts on each side of the bumper (4 total) that face the rear tire in the wheel well opening with a 7mm socket.

- Open rear hatch and remove the line of bolts on the top of the bumper with a 7mm socket.

- 6 Plastic clips total. Two on the bottom of the bumper in the center (Image 5 on next page), two mid-way up the bumper towards the center (Image 6), and two more mid-way up the hitch assembly towards the outsides of the hitch receiver location. (Image 7 on next page)



Image 5



Image 6



Image 7

Step 4. Remove Bumper by pulling the front sides of the bumper (closest to the wheel) straight out sideways just enough to clear the sides of the truck and slide the entire bumper rearward off the rear of the truck.

Step 5. Unbolt Hitch- Remove the 6 total (3 per side) hitch mounting bolts using 21mm wrench and sockets. These are on tight! They can be sprayed with a penetrating lubricant from the back side opening in the frame and through the holes on the bottom of the frame rail (Image 8)

Image 9 shows the passenger side bolt locations. Image 10 shows the forward most hitch bolt on the drivers side, you need a wrench to fit onto it or you can use a crow bar and gently bend down the frame support to gain space to better access it like in photo 10 and 11



Image 8



Image 9



Image 10



Image 11

After all 6 Large M16 hitch mounting bolts are removed you can pull the hitch straight out of the rear frame rails.



Step 6. Re-use the 4 best condition original M16 hitch mounting bolts to mount the side upright brackets to the original hitch mounting holes and use the 4 included M16 Nuts and washers to bolt them in place. The lower bent tabs will face the outside of the truck like in Images 12 and 13.



Image 12



Image 13

Step 7. Bolt in the top plate and center it between the side frame supports using 8 of the included M8 bolts and nuts with a washer on both sides (16 washers), LEAVE ALL HARWARE LOOSE as it will be adjusted at the end for final fitment. The 4 visible bolts on the top plate in the photo below should be run in OPPOSITE direction of the picture for access when final tightening later. (Nuts side should face out, not head of bolt side)



Step 8. Bolt in the lower bumper supports to the top support plate using 8 total M8 stainless bolts and nuts and 16 washers (one on each side), LEAVE THEM LOOSE!



Image 15

Step 9. Pull plastic support off the bottom of bumper, it is held on with an adhesive. On one truck that was run without a hitch and no support for a year it actually fell off, another truck had one that was only half held on and it came off with a gentle tug, and a third truck that we installed a hitch delete on that previously had a hitch took a little gentle lifting under one end to get it started. A heat gun can help with this step as well as some gentle prying with a blunt ended tool. Save this brace in case you decide to go back later. It can be reinstalled with vhb tape or similar... The support will take its place for hitch removal.



Image 16

Step 10. Slide bumper back on and pull sides outwards to get past factory mounts. Make sure the factory bumper tabs in photos 17 and 18 go on top of hitch delete mounts and NOT underneath. Use 2 M8 bolts and nuts with 4 washers (one on each side) and tighten down the mount shown in Image 18. (Do not bolt lower two middle bumper mounts at this time, just the outer mounts)



Image 17



Image 18

Step 11. Open rear hatch and reinstall line of factory bumper mounting bolts along top of bumper just above step pad.

Also reinstall the 4 bolts total on front of bumper in wheel wells.

Step 12. Push up evenly on both sides of top bumper support plate (so it makes full contact with bottom of bumper) and tighten the 4 bolts on each side where the top plate joins the side plates. (Image 19) Holes are slotted for adjustment..



Image 19

Step. 13 Now that the top plate is adjusted and tightened it is time to adjust and tighten the middle supports. They are mounted on slotted holes so move them up or down to align with factory mount holes in bottom of bumper. Move them to correct height and tighten. (Image 20) Then using 2 m8 bolts and nuts, with 2 small washers on the inside and the 2 large washers on the outside (against painted side of bumper) bolt the mounts to the lower bumper and tighten. (Image 21)



Image 20



Image 21

If you have any questions, Please call or email 708 691 2613 or [Scott@BoltOnSpeed.com](mailto:Scott@BoltOnSpeed.com)