



FULL METAL FABWORKS

Apex rear bumper installation instructions for Jeep JK 2007-2018

Please read these instructions in their entirety before proceeding with installation. If you are not confident in your ability to perform this installation, or lack the necessary tools, please consult the help of a professional.

What Is Included:

Before beginning the installation, please make sure that all parts and hardware are included in your package and that no damage has been done to the product during shipping. If you are missing parts or the product is damaged please give us a call at (909)-505-7115 and we will make sure that any problems are taken care of.

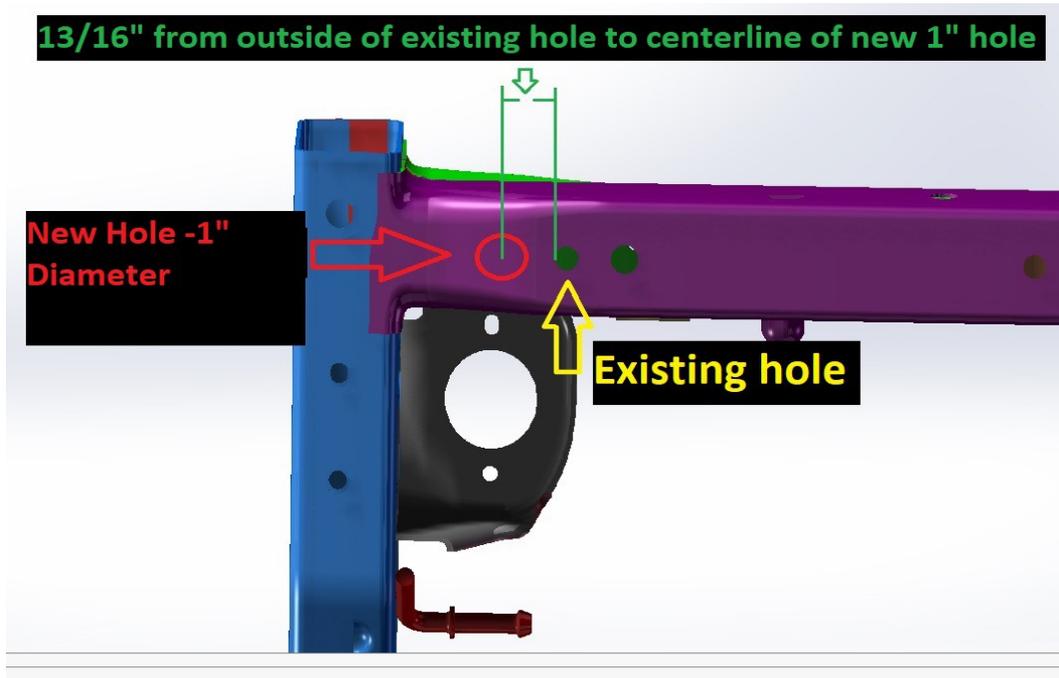
- 1.) (1) Apex rear bumper
- 2.) (4) 3/8-16x1.25" Grade 8 Hex head cap screws
- 3.) (2) Grade 8 3/8" Flat washers (smaller gold washers)
- 4.) (2) 3/8" – 1.5" OD Flat washer (larger silver washers)
- 5.) (4) 3/8"-16 extruded U type spring nuts (nut clips)
- 6.) 1.5" Black Plug (For non-tire carrier bumpers only)

Figure 1:



the two holes ($13/16''$ from outside edge of existing hole to center of new hole) minus ($1/2''$ the diameter of the new hole ($1/2''$))

Figure 3:



5.) Apply touch up paint to the bare metal of the new 1" hole to prevent it from rusting in the future.

6.) Insert one of the provided 3/8-16 nut clips through each of the new 1" hole you've just created, with the extruded barrel end facing up (towards the roof of the jeep) as shown in figure 4.

Figure4:



7.) With the help of a friend, carefully, pre-install the bumper onto the jeep. You will notice that 2 of the existing OE holes on each side of the frame line up with the mounting holes in the frame mount. Use the existing hardware you removed (and saved) earlier and loosely install them in these holes on both sides. If your jeep is equipped with a factory hitch, use a scrap piece of 1/8" material in-between the factory hitch receiver and the hitch receiver cutout on the bumper as shown in figure 5. With this spacer in place, insert 2 of the provided 3/8-16x1.25" Grade 8 Hex head cap screws along with the 3/8" – 1.5" OD Flat washers (larger silver washers) through the bottom of the bumper and into the clip nuts you inserted in step 6. Now check all of your gaps and body lines and once you are happy with them snug up all of the hardware and re-check the gaps and body lines

Figure 5:



8.) Once you are satisfied with the fitment, (this is very important because the next step will lock the bumper into place) use a 3/8 center punch (or felt-tip pen/scribe/mechanical punch) to mark the center of the third hole on both sides of the frame that does not correspond with an existing OE hole. Remove the rear bumper. Drill the holes you have just marked to 7/16". If you do not have a quality pilot point bit, or step drill, it is best to start with a 1/4" pilot hole.

9.) Apply touch up paint to the bare metal of the new 7/16" hole to prevent it from rusting in the future.

10.) Insert the remaining two provided 3/8-16 nut clips through the larger oblong OE holes in the frame, again making sure that the extruded end of the nut clip faces inward (towards the center of the jeep) as shown in Figure 6.

Figure 6:



- 11.) If your bumper was shipped raw, now is the time to coat it with the coating of your choice.
- 12.) Once the bumper is dry, re-install it for the final time using the OE hardware in the 4 existing holes in the sides of the frame, and the 4 provided 3/8-16x1.25 Grade 8 Hex HD cap screws and flat washers in the holes where you have put the nut clips.
- 13.) Once all 8 bolts are inserted, torque all 8 bolts to 45 ft.-lbs
- 14.) If you did not get a tire carrier bumper, install your 1.5" black plastic plug into the hole where the tire carrier spindle would be
- 15.) If you purchased a bumper with the reverse light option, install this now. Note for All current generation and future bumpers, we have enlarged the opening for the light and it nows installs from the outside. How the light is wired is left up to the customer and should be completed by a competent mechanic/electrician.
- 16.) Re-connect the battery power to the vehicle. Congratulations your installation is complete

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I am fully aware of risks and hazards connected with the use of a this product and I elect to

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By accepting this product, I acknowledge and represent that I have read the above Waiver and Liability and Hold Harmless Agreement, understand it and accept it voluntarily as my own free act and deed; no oral presentations, statements, or inducements, apart from the foregoing written agreement, have been made; I am at least eighteen (18) years of age and fully competent; and I execute this Release for full, adequate and complete consideration fully intending to be bound by same.

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