



FULL METAL FABWORKS

JK Inner Fender installation instructions

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)-792-9777 and we will make sure that any problems are taken care of.

- 1.) (2) (Driver and Passenger) Inner Fenders, (2) mesh backing screens, (2) logo backing plates
- 2.) (22) 6/32x5/16" SS Button Head Allen Screws
- 3.) (22) 6/32 SS Nylock Nuts
- 4.) (8) 1/4-20 x 1/2" SS Button Head Allen Screws
- 5.) (4) 1/4-20 SS Nylock Nuts
- 6.) (4) 1/4-20 Extruded U Nuts 25/32" hole center to edge
- 7.) 16" adhesive backed foam

Tools Needed:

- Safety glasses
- 1/4" or 3/8" drive ratchet
- 10 mm socket
- 8 mm socket
- 7/16" socket
- 5/32" Allen
- 2mm Allen
- Scissors/ Utility Blade
- Fine tipped marker or Center punch for marking holes

- small drill bit for pilot holes (we use a 3/64")
- Cutoff wheel, Dremel, file, or grinder to remove lip that will interfere with extruded u nuts

Tools that are not needed but are helpful:

- Uni-bit or Step drill bit

Figure 1:



After verifying all parts, tools, and skills are accounted for and reading these instructions, you are ready to start the installation.

Installation Procedure:

- 1) Begin by parking your vehicle on a level surface and setting the parking brake.
- 2.) Disconnect the battery
- 3.) Remove the factory inner fenders; keep your factory hardware as some of it will be re-used.
- 4.) Begin by pre-assembling your inner fenders as shown at the top of figure 2. The front and back halves bolt together using 2 of the 1/4-20 SS button head allens and 2 of the 1/4-20 SS nylock nuts. The mesh backing screens install using 11 of the 6/32x5/16" SS button head allens and 11 of the 6/32 SS nylock nuts. The logo backing plates (if used) sandwich in-between the mesh backing screen and the inner fender itself. If using logo backing plates, apply layer of adhesive backed foam to the side of the backing plate that will face the mesh backing screen, as shown in figure 2a and 2b.

Figure 2:

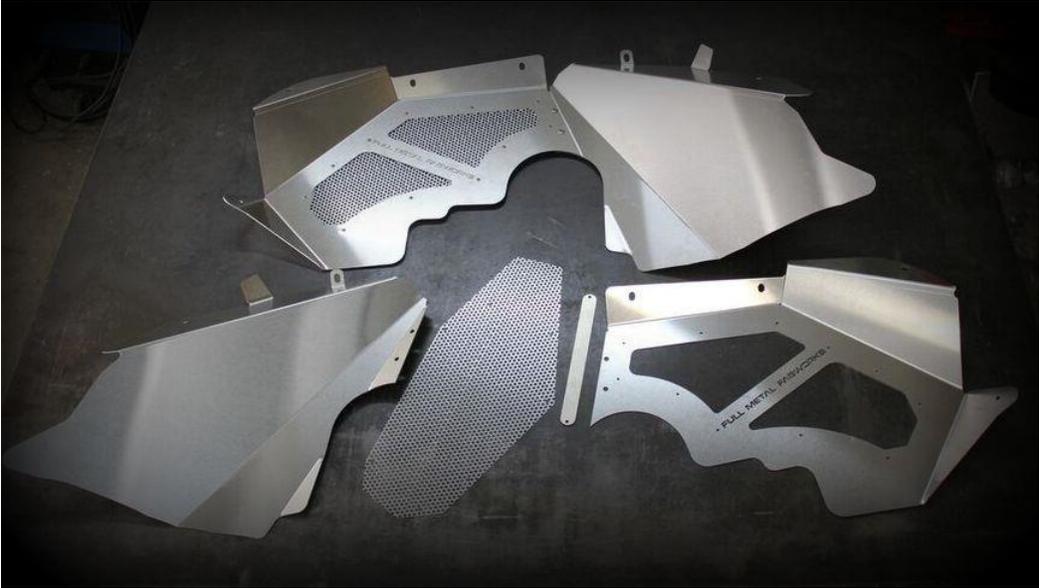


Figure 2a:



Figure 2b:



5.) Your inner fenders will install using 4 existing factory holes and the hardware you saved from step 3 (indicated by the blue arrows in Figure 3), and using the provided extruded u nuts in 2 new holes you will drill (indicated by the green arrows in Figure 3)

Before installing driver side inner fender, cut and apply adhesive backed foam to the corner of the protruding black plastic portion of the windshield washer tank, as circled in figure 3a below.

Figure 3a:



Figure 3:



Figure 4:



6.) Once you have your inner fender pre-assembled, loosely install them using only the 4 factory bolt locations as shown in Figure 4. Gradually tighten all of factory hardware while checking and ensuring that there is a small gap (about 3/16") between the Jeep's fire wall and the inner fender edge as circled in green in Figure 5 below:

Figure 5:



7.) Once you are completely satisfied with fitment, mark the hole location, for drilling, using either a fine tip marker or center punch.

8.) Remove the inner fender and drill the hole on the marked location using your pilot bit. Follow up the pilot hole with a larger drill bit or step bit, as shown in Figure 6. We like to drill the holes slightly larger than necessary ($7/16$ " diameter) to ease later installation of the fender. After drilling the hole you will need to file, sand, or trim down an area on the return flange at least $1/2$ " wide for the extruded u nut to seat as shown in Figures 7 and 8. NOTE: we like to file down an area $5/8$ " wide to allow wiggle room for the u nut to ease later installation.

Figure 6:



Figure 7:



Figure 8:



9.) With the clip nut in place, Re-install your inner fender while ensuring you have the proper clearance around the edge of fender, especially around the fire wall and shock tower. Lastly mark and drill the last hole indicated by a yellow circle in figure 9 with a 5/16" drill bit.

Figure 9:



12.) Repeat steps 4 through 9 for the opposing side.

14.) Re-connect the battery power to the vehicle. Congratulations you have completed installation of you Full Metal Fabworks Aluminum Inner Fenders.



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In purchasing a Full Metal Fabworks LLC product I release, waive, discharge and covenant not to sue Full Metal Fabworks LLC officers, servants, agents, or employees (hereinafter referred to as Releasees) from any and all liability, claims, demands, actions and causes of action whatsoever arising out of or related to any loss, damage, or injury, including death, that may be sustained by me (or anyone else), any property belonging to me (or anyone else), whether caused by the negligence of the releasees or otherwise, while working on, using or any activity related to this product.

I am fully aware of risks and hazards connected with the use of a this product and I elect to voluntarily engage in such use of this product knowing that the use may be hazardous to me and my property. I voluntarily assume full responsibility for any risks of loss, property damage or personal injury, including death, that may be sustained by me (or anyone else), or any loss or damage to property owned by me (or anyone else), as a result of using this product, whether caused by the negligence of releasees or otherwise.

I further agree to indemnify and hold harmless the releasees from any loss, liability, damage or costs, including court cost and attorney fees, that they may incur due to my use of a this product, whether caused by negligence of releasees or otherwise.

It is my express intent that this Release and Hold Harmless Agreement shall bind the members of my family and spouse, if I am alive, and my heirs assigns and personal representative, if I am deceased, and shall be deemed as a release, waiver, discharge, and covenant not to sue the above named releasees. I further agree that this Waiver of Liability and Hold Harmless Agreement shall be construed in accordance with the laws of the State of California.

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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