



FULL METAL FABWORKS

JK Pinnacle Series Front Stubby/Midwidth Front Bumper 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)-792-9777 and we will make sure that any problems are taken care of.

- 1.) (1) Apex Pinnacle Series Stubby (or mid-width) Front Bumper with captured mounting hardware
- 2.) (8) #10 Hex Self Drilling Screws for Fog Light Mounting

Tools Needed:

- Safety glasses
- 18mm socket and matching ratchet
- Socket Extensions
- 5/16" nut driver or socket
- Cutoff wheel, Dremel, file, or grinder to remove corner ear of frame horn (only for aesthetics or installing Warn Zeon winch)

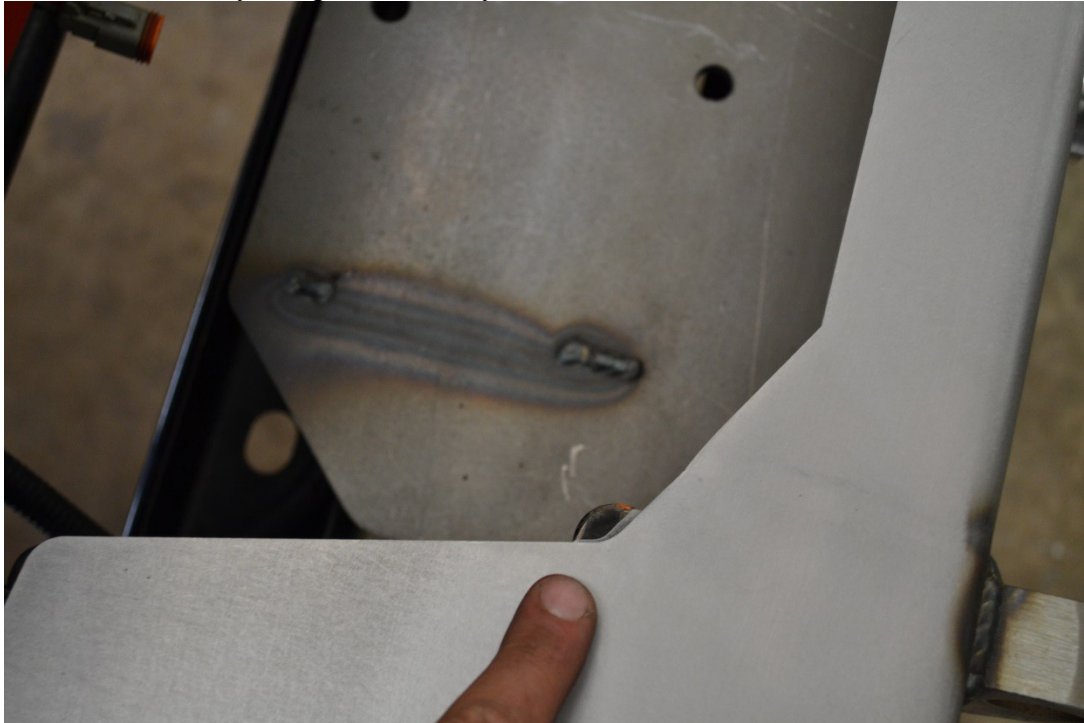
After verifying all parts, tools, and skills are accounted for and reading these instructions, you are ready to start the installation.

Installation Procedure:

- 1) Begin by parking your vehicle on a level surface and setting the parking brake.

- 2.) Installation instructions assume factory front bumper has already been removed. Retain all factory hardware as some of it will be reused. If your jeep is 2012 year model or newer, you will need to relocate the vacuum pump before installing the bumper. If your vacuum pump has not been relocated see the installation instructions for the “Vacuum Pump Relocation Kit”
- 3.) Once your vacuum pump has been relocated, the bumper itself is a straight bolt-on application using your factory M-12x1.5 Nuts. If you are installing one of the larger compatible winches, like the Warn Zeon series, a small amount of sanding may have to be done on the corner of the frame’s mounting horns. The area that needs to be removed to clear the Zeon winch will be outlined by the bumper. See Figure 1 below for visual reference. **If you are installing a winch smaller than the Zeon then cutting/sanding is not necessary unless done purely for aesthetic purposes.**

Figure 1) Mark portion of ear that extends past bumper and remove. Note: bumper pictured is a Mid-Width version of the Pinnacle Series, actual amount of frame horn protruding will be different for stubby and picture is only for visual reference.



- 4.) After the ear has been removed, apply touch up paint to sanded/cut area to prevent future oxidation and allow paint to dry completely.
- 5.) Install fog lights using 5/16” nut driver tool and #10 Hex Head Self Drilling screws. DO NOT use an impact to install self drilling screws or you may risk stripping them out. If you use a drill motor with an adjustable clutch to install them, set the clutch to a very low setting to prevent stripping or shearing the screws.
- 6.) Install the bumper using the factory nuts and your 18mm socket/ratchet combo.

7.) Congratulations you have completed installation of you Full Metal Fabworks Pinnacle Series Stubby Front bumper.



Hold Harmless Agreement:

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.

If you do not agree with the preceding Hold Harmless Agreement, you may return the product and receive a full refund. Please, contact a representative of Full Metal Fabworks LLC and they will issue a call tag for the product in question. Once the product has been received by Full Metal Fabworks LLC a full refund will be issued.