



Installation Instructions



PRODUCT: JK Front Inner Fender Wells

REV: B | 08-03-2015 | II-3290

READ INSTRUCTIONS IN FULL BEFORE INSTALLATION.

QUESTIONS? CALL 916-631-8071 M-F 7:00 AM – 5:00 PM PST

The MetalCloak experience includes the ease of installation of our products. We design for most contingencies, but installation may be different based on different Jeep condition, configuration and/or year.

We are continually trying to improve our products and instructions – please help us by providing feedback and pictures if you find any part of the instructions that do not match your particular Jeep or are not easily understandable.

If you have any difficulties at all, please give us a call. Thank you and enjoy your MetalCloak Products!

IMPORTANT NOTE: We use Stainless Steel Hardware where possible. Therefore, a tube of Silver Anti-seize is provided and should be used on all bolts—only a small amount is needed.

WARRANTY INFORMATION: This article is sold without warranty expressed or implied. No warranty or representation is made as to this products ability to protect the user from injury or death. The user assumes that risk. The effectiveness, warranty and longevity of this equipment are directly related to the manner in which it is INSTALLED, USED and/or MAINTAINED. THE USER ASSUMES ALL RISK. By purchasing this product and opening the packaging, purchasers expressly acknowledge, understand and agree that they take, select and purchase these MetalCloak products from Armored Works, LLC, its affiliates and distributors and agents as is and with all faults. The entire risk as to the quality and performance of these MetalCloak products is with the purchaser. Working on your vehicle can be a dangerous activity. If you are unsure of what you are doing, please leave mechanical or safety critical work to a skilled mechanic. We take no responsibility for the incorrect use and/or installation of MetalCloak products.

Section 1: Tools & Notes on Installation

Tools Required: This list is the recommended tools for ease of installation. Other versions of the same tool can be used. For example, Allen Wrenches instead of Allen Drive Sockets.



Socket & Ratchet Wrench

10mm Hex Drive Socket



3/8" Drill Bit

7/32" Allen Drive Socket or Wrench



Electric or Cordless Drill

Tin Snips



Plastic Rivet Removal Tool
or Flat-head Screwdriver

HOW TO USE THIS GUIDE: The installation guide contains ALL steps for installation. Please read and follow the instructions in order of each page from top to bottom, and left to right.

Jeep Model: Instructions may apply to multiple Jeep models, but are labeled separately where appropriate (i.e. TJ vs. LJ).

Options: Because of the number of component options we offer, these instructions may contain steps that will not match your particular configuration. You can skip these steps.

Images: Pictures are provided and parts are labeled throughout the instructions. Each text box contains guidance based on the pictures next to it. The text will refer to alphabetical labels (A, B, etc.) found in the images.

Installation Notes: Terms may be used in the body of the instructions that you may not be familiar with, if you have any questions feel free to contact us at the number below, or email techhelp@metalcloak.com

QUESTIONS: Any questions or comments about the instructions? Call us at 916-631-8071 M-F 7:00 AM – 5:00 PM PST.

Section 2: Installation Instructions



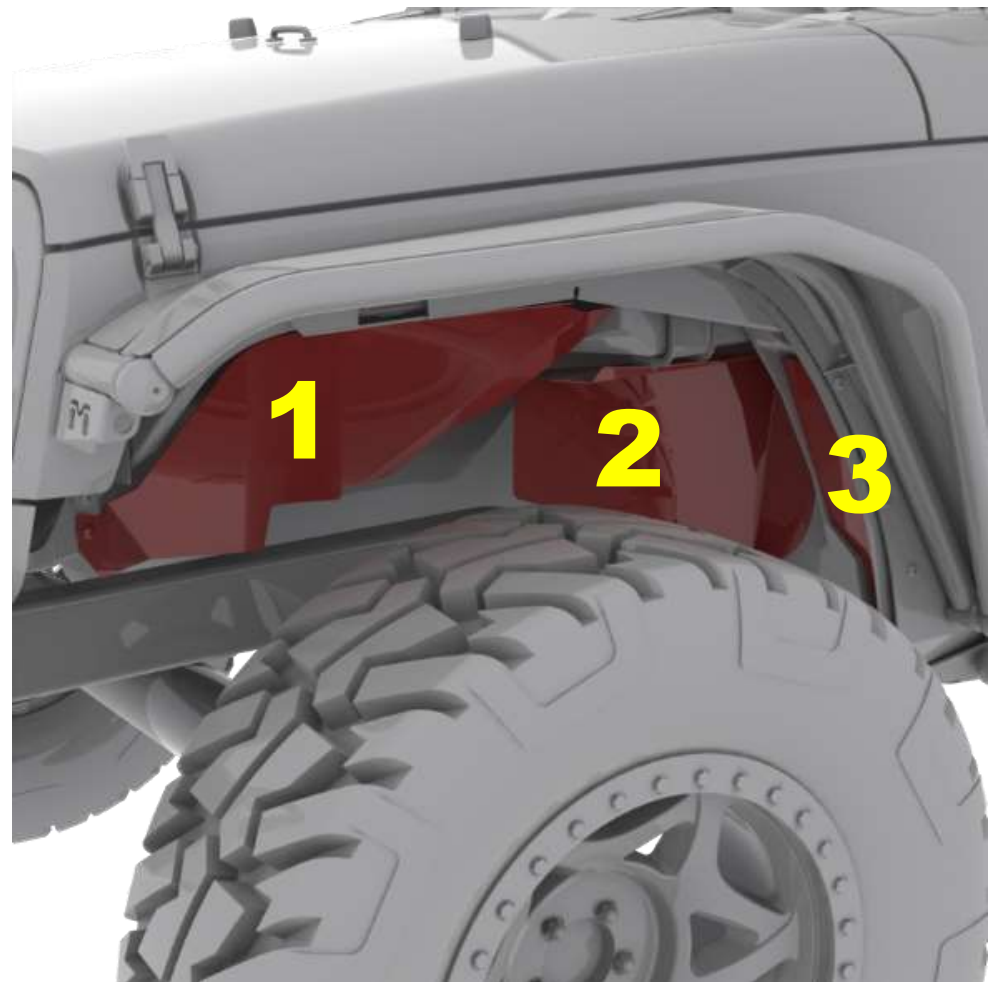
Note: *2012 and newer JK Wrangler and JK Unlimited Jeeps requires the wiring harness on the passenger side be relocated before installing the MetalCloak Inner Fender Wells.*

Note: *If you are doing this install as an upgrade from the stock plastic inner fender wells, but already have the MetalCloak Fender system installed, completely remove the stock inner fender wells, and **SAVE ALL HARDWARE!** If you are doing this install at the same time as your MetalCloak fender installation, install the inner fender wells prior to tightening all hardware so that you do not have to remove any components to accommodate the fender wells.*

Section 2: Installation Instructions



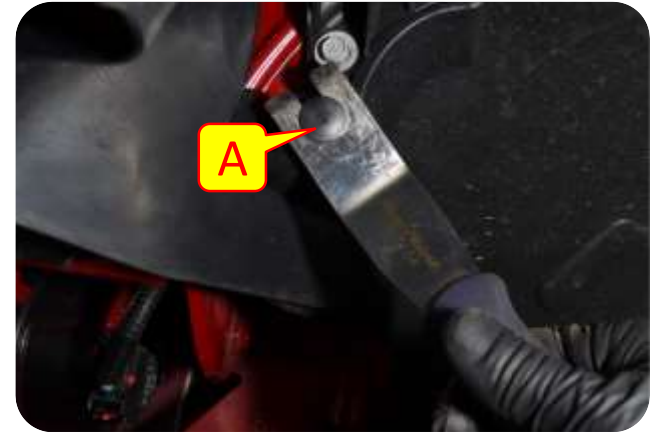
1. Front Inner Fender Well
2. Back Inner Fender Well
3. Side Inner Fender Well



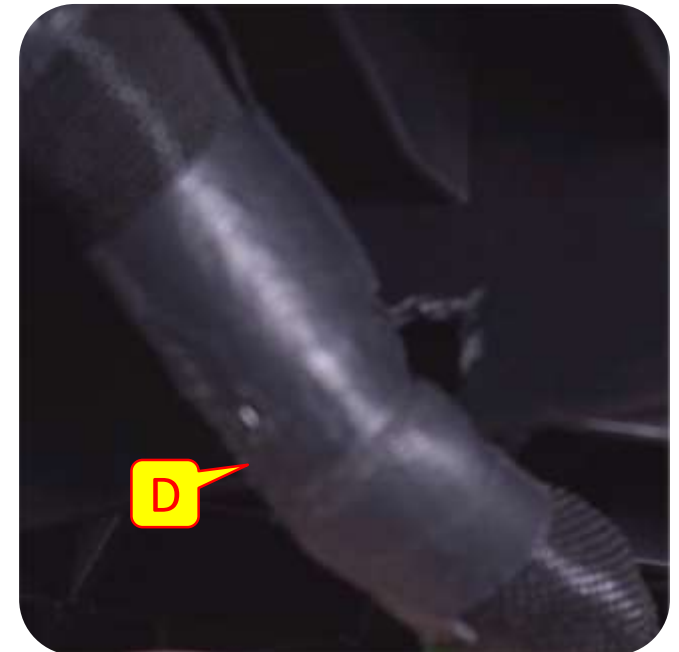
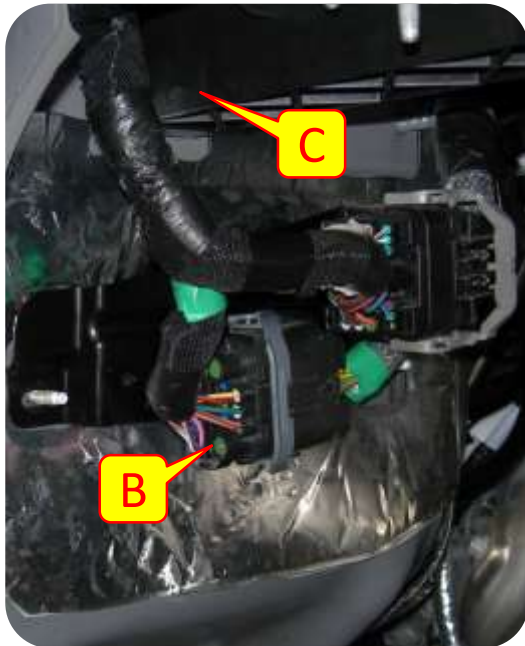
Section 2: Installation Instructions

Step 1: 2012-Newer Wiring Harness Relocation

- A. Remove the plastic rivets. You may choose to cut these off or drill out if you do not have a plastic rivet removal tool readily available.
- B. Remove the wiring harness from the metal bracket on the passenger side.
- C. Use tin snips to cut the honeycomb to add space for relocating the wiring harness.
- D. Route the wiring from the harness into the cutout made in the honeycomb.



Note: Do not be concerned if you break some clips in the process, you will not need them.



Section 2: Installation Instructions

Step 2: Side Inner Fender Well Installation

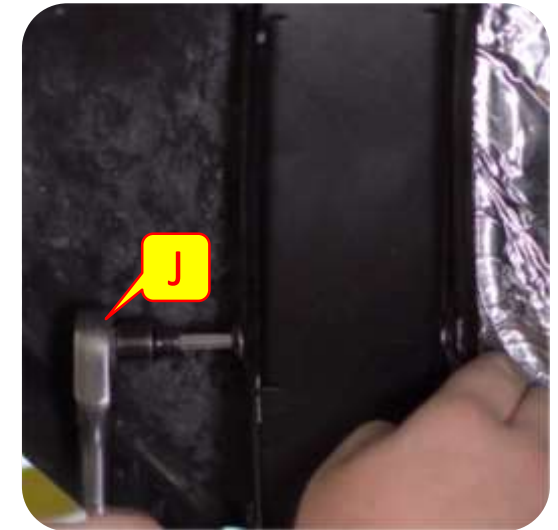
- E. Using the top holes of the metal bracket use zip ties to attach the wiring harness into place.
- F. The Side Inner Fender Well and Rear Inner Fender Well are designed to work with the 3/8"-16 x 4" Socket Button Screws in the MetalCloak Fender Kit. Remove these screws.
- G. Install the Side inner fender well piece.
- H. Using an 3/8" drill bit enlarge the bolt holes using the side fender well to help align (if MetalCloak's fenders are installed you do not have to drill out the fender bolt holes).



Section 2: Installation Instructions

Step 3: Back Inner Fender Well

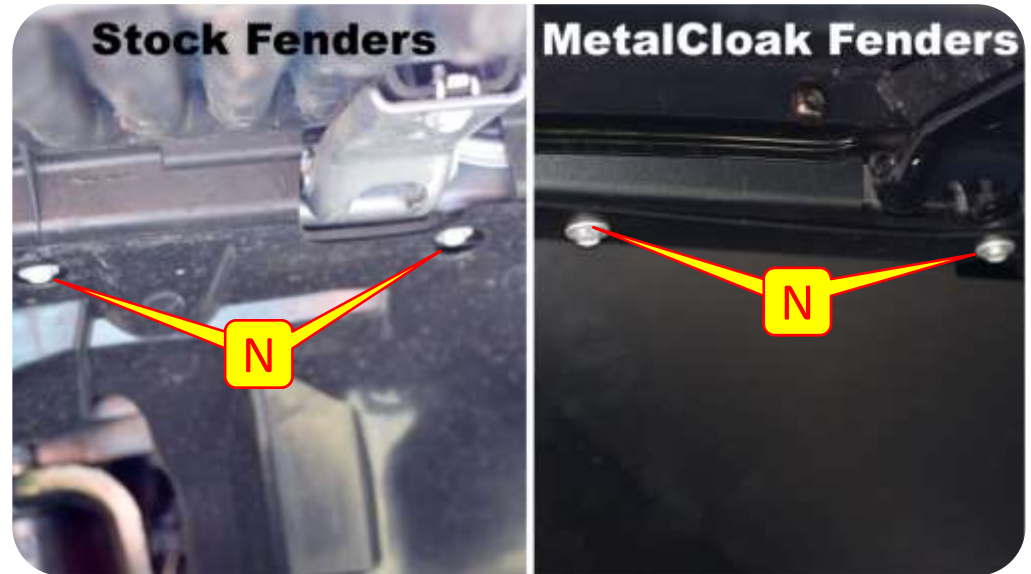
- I. Reinstall the fender allen head bolts. Make sure they install through the welded aluminum stand offs.
- J. Tighten down the bottom bolt of the fender well side piece.
- K. Install the back fender well piece making sure the back hole aligns onto the top bolt of the side fender well.
- L. Reinstall the washer and nut and tighten down the bolt assembly.
- M. Use the provided nut and tighten the front bolt using a 10mm socket.



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Step 4: Front Inner Fender Well Installation

- N. Use a 10MM Socket to remove the two M6 bolts that pass through the Top Fender Support Bracket into the frame.
- O. Install the Front Inner Fender Well, but do not fully tighten bolts.
- P. Drill a hole through the tub mount using the 3/8" drill bit you can leave the Fender Well in place to drill this hole (quickest), or mark it and remove the part to drill the hole (cleanest).



Section 2: Installation Instructions

Step 4: Front Inner Fender Well Installation

- Q. To gain access to the back side of the hole previously drilled remove the blinker light.
- R. Insert the provided bolt into the drilled hole.
- S. Use tape on the 9/16" wrench to help secure the nut to the wrench
- T. Insert the wrench with then nut through the blinker light hole and tighten the allen button head bolt using a 7/32" allen drive socket.
- U. Fully tighten the Top Fender Support Bracket bolts with a 10mm socket.
- V. Reinstall the blinker light.

