



PRODUCT: JT Rear Inner Fender Wells

REV: B | 07-24-2020 | II-6292

**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

7/16" Box Wrench



8mm Socket
10mm Socket
13mm Socket

7/32" Allen Drive Socket or Wrench
5/32" Allen Drive Socket or Wrench



7/16" Drill Bit

Drill



Box Cutter

Plastic Rivet Removal Tool
Pry bar



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: Product Components



DC-0001 REV A

SHEET 1 OF 1

ITEM	PART NUMBER/DESCRIPTION	QTY.
1	CP-0027 AIRBOX ANGLE BRACKET, FENDER TJ-LJ	1
2	CP-6029 PLUG RELOCATION BRACKET, INNER FENDER, JT REAR	1
E 3	CP-6029-P PLUG RELOCATION BRACKET, INNER FENDER, JT REAR	1
4	FA-0132 SPACER, 6.3ID X 13OD X 30L ALUMINUM	6
5	FA-1033-09 EVAP HOSE, .63ID X 7L	1
6	FS-04003 WASHER, 0.28ID X 0.63OD X 0.05TH SS 18-8	1
7	FS-04005 NYLOCK NUT, 0.25-20 X 0.31H STL GF ZINC	1
8	FS-04006 SBHCS, 0.25-20 X 0.75L SS 18-8 PLAIN	1
9	FS-04215 SBHCS, 0.25-20 X 1.75L SS 18-8 PLAIN	6
10	FS-04267 CLIP-ON NUT, 0.25-20 STL ZINC, 0.03-0.15 PANEL	6
D 11	FS-06223 SNAP-IN NUT, 0.38-16 X 0.3TH STL ZINC, 0.03-0.06 PANEL	20
12	WM-6027 WELDMENT, INNER FENDER, JT REAR	1
13	WM-6027-P WELDMENT, INNER FENDER, JT REAR	1

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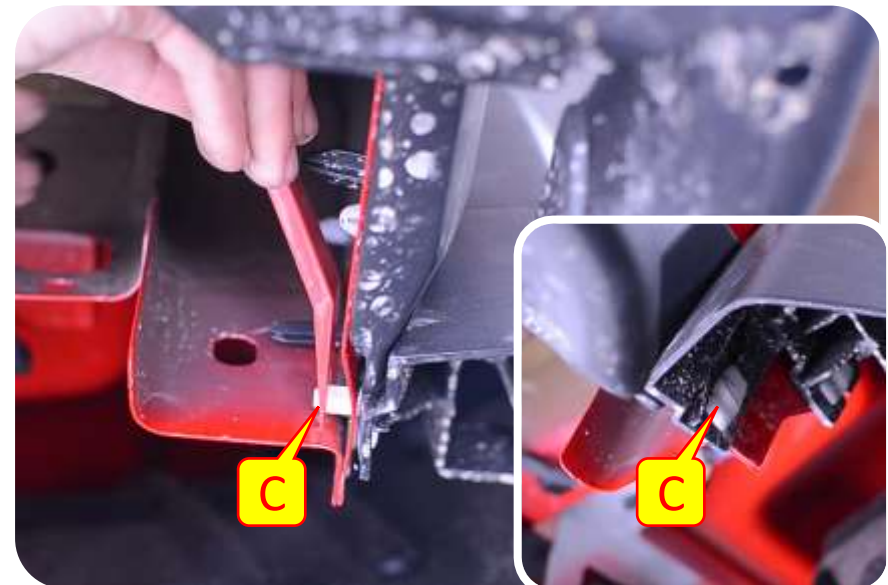
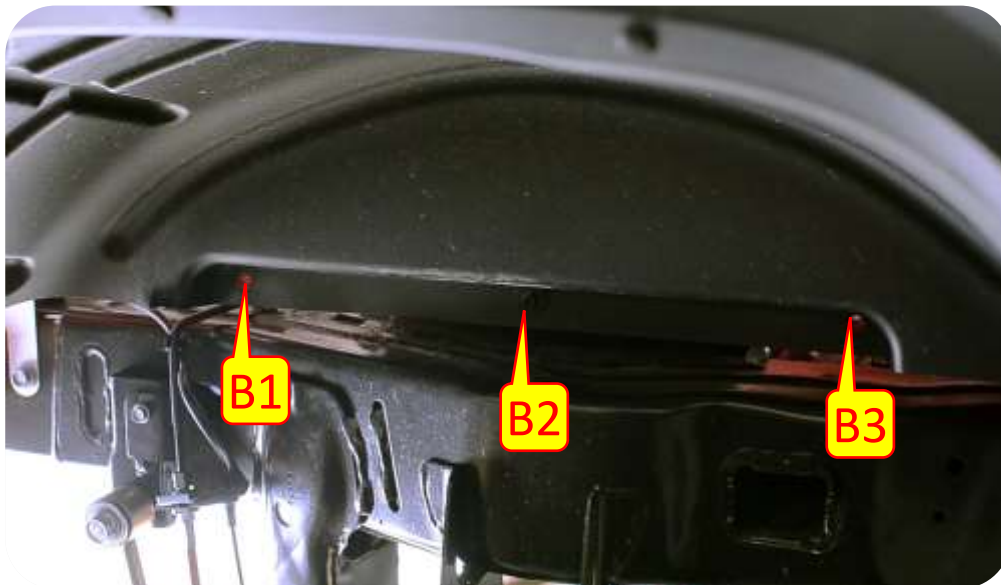
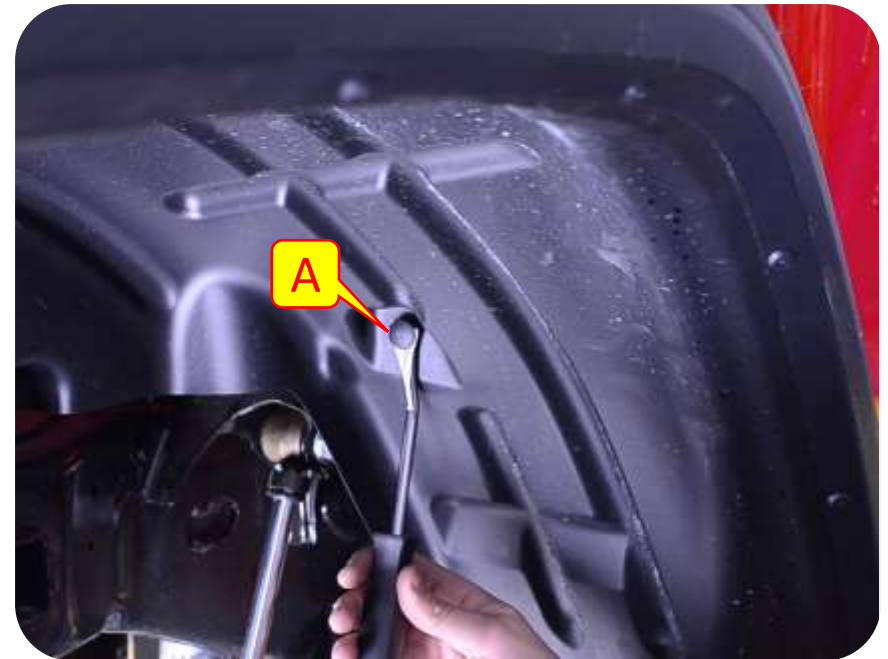
PART NUMBER/DESCRIPTION

6292 INNER FENDER WELL, JT REAR

Section 3: Installation Instructions

Step 1: Remove Front Stock Fender and Inner Fender Well

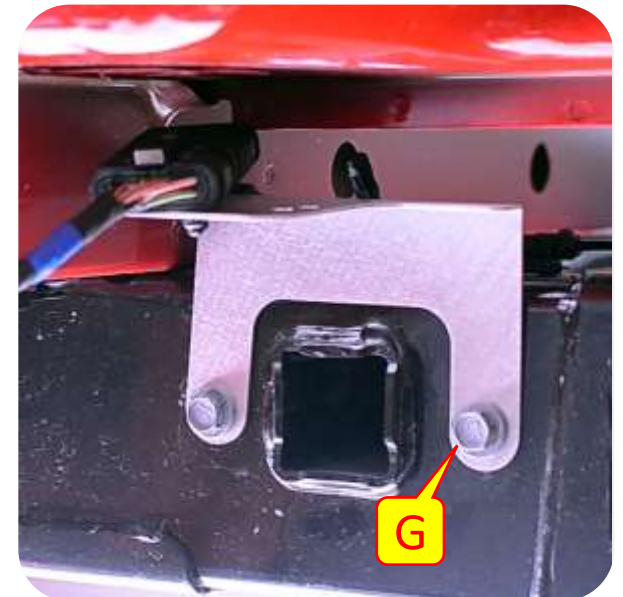
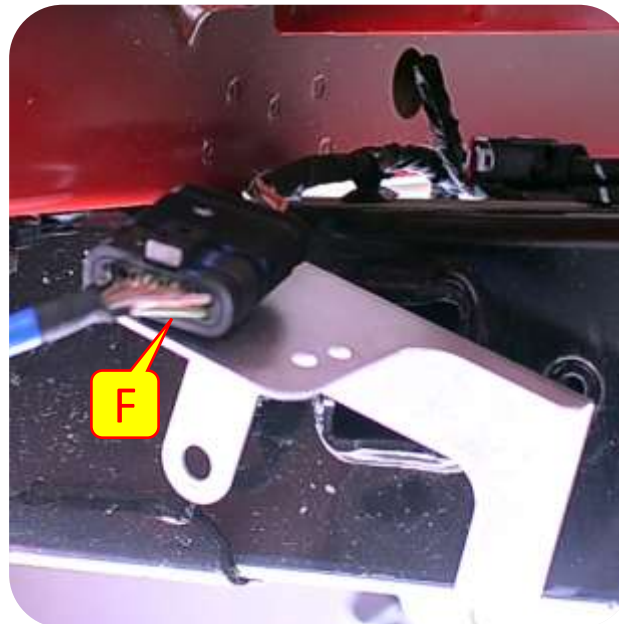
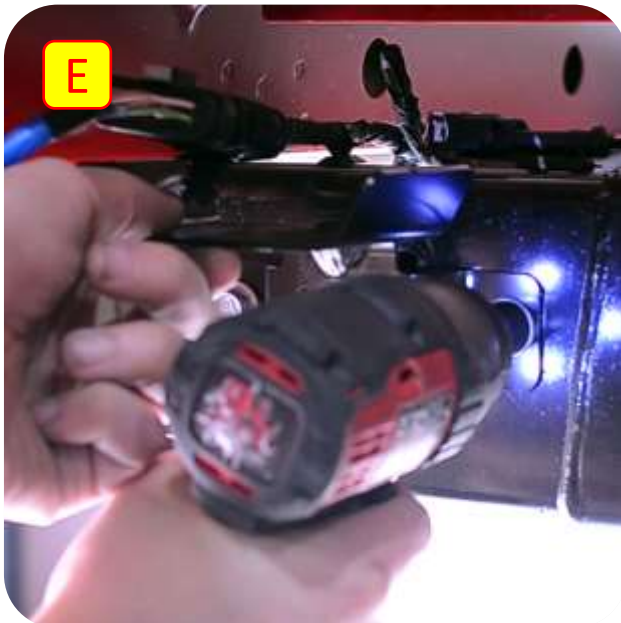
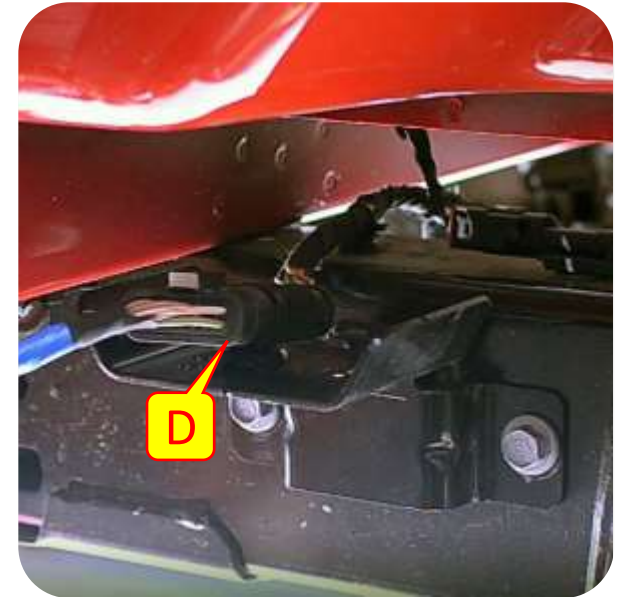
- A. Use a pry tool to remove the plastic retainer on the cab side of the stock fender liner.
- B. Using an 8mm socket remove the three bolts on the face of the plastic inner fender liner.
- C. Using a pry bar pop off the white plastic clips on the backside of the stock fender to remove the stock fender and fender liner from the body.



Section 3: Installation Instructions

Step 2: Rear Fender Well Preparation (Passenger Side)

- D. Using a pry bar remove the wiring harness from the stock wiring harness bracket located on the frame.
- E. Using a 13mm socket remove the wiring harness bracket from the frame. **SAVE HARDWARE.**
- F. Install the wiring harness into the provided bracket.
- G. Using the stock hardware attach the MetalCloak bracket into the stock location using a 13mm socket.

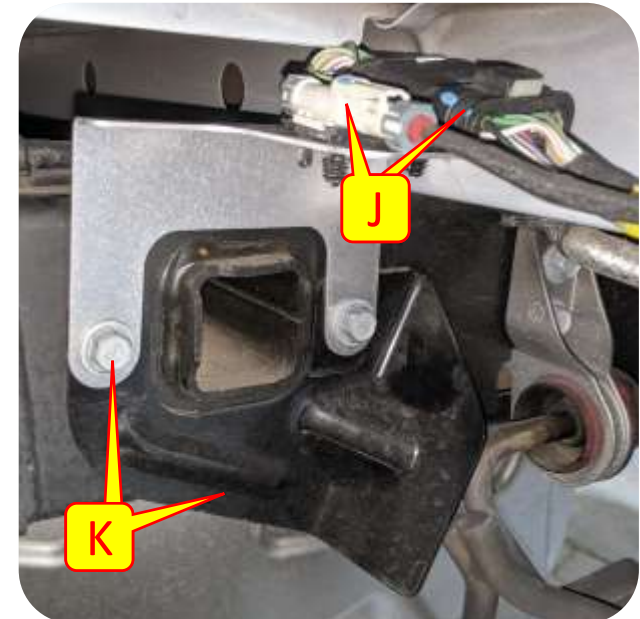
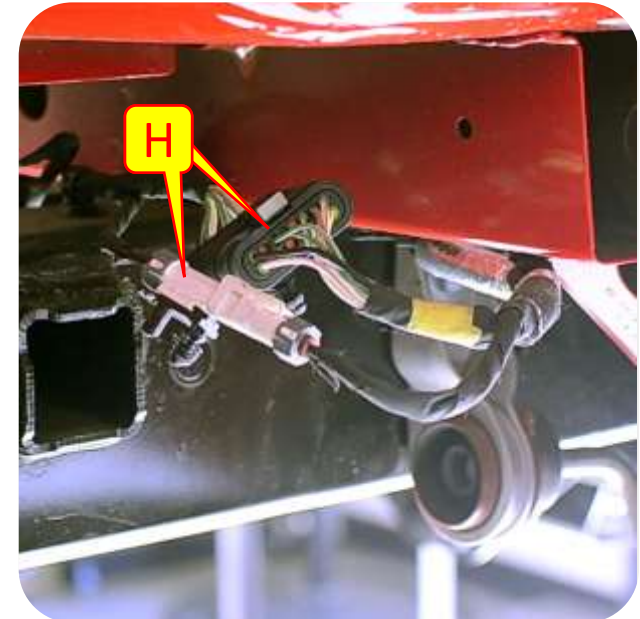


Section 3: Installation Instructions



Step 2: Rear Fender Well Preparation (Driver Side)

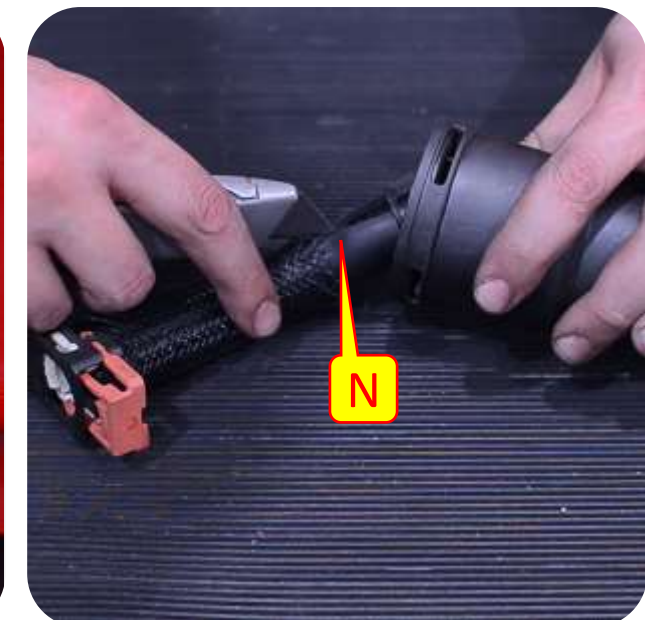
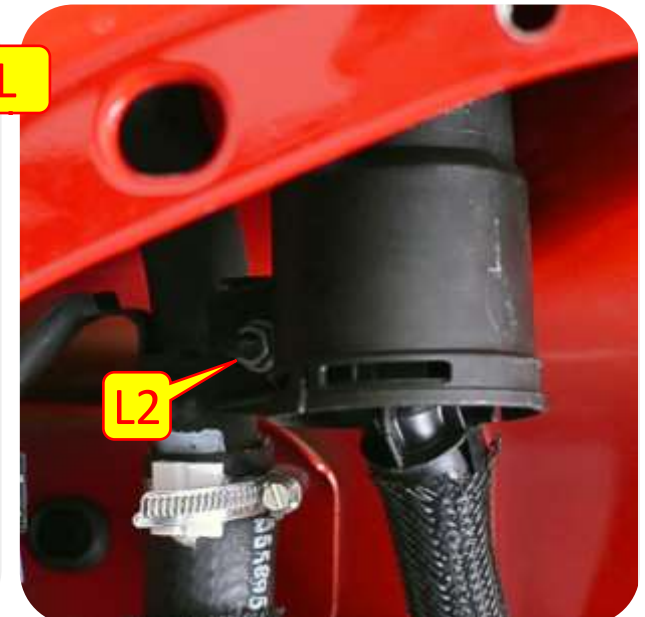
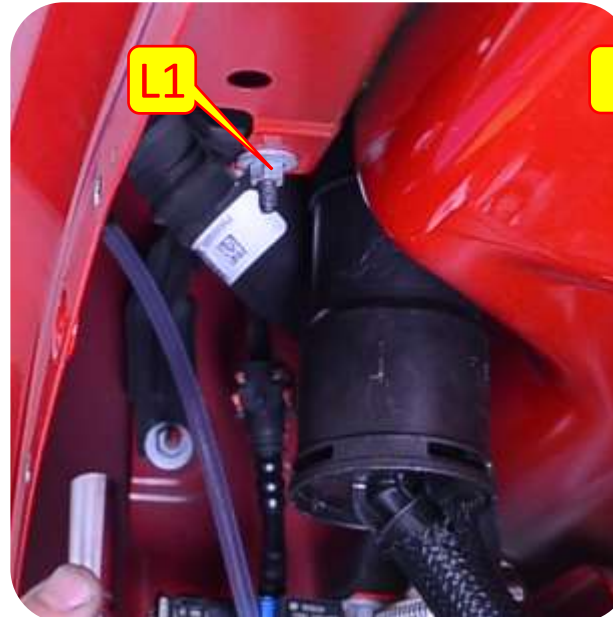
- H. Using a pry bar remove both wiring harnesses from the stock wiring harness bracket located on the frame.
- I. Using a 13mm socket remove the stock wiring harness bracket and muffler heat shield from the frame. **SAVE HARDWARE AND MUFFLER HEAT SHIELD.**
- J. Install the wiring harnesses into the provided bracket.
- K. Using the stock hardware attach the MetalCloak bracket and the stock muffler heat shield into the stock location using a 13mm socket.



Section 3: Installation Instructions

Step 2: Rear Fender Well Preparation (Driver Side)

- L. Using a 10mm socket and wrench disconnect the gas tank vent assembly from the body. **Save Hardware.**
- M. remove the gas tank vent assembly by disconnecting the red clip at the hose.
- N. Using a box cutter slice the gas tank vent hose and remove the vent assembly.



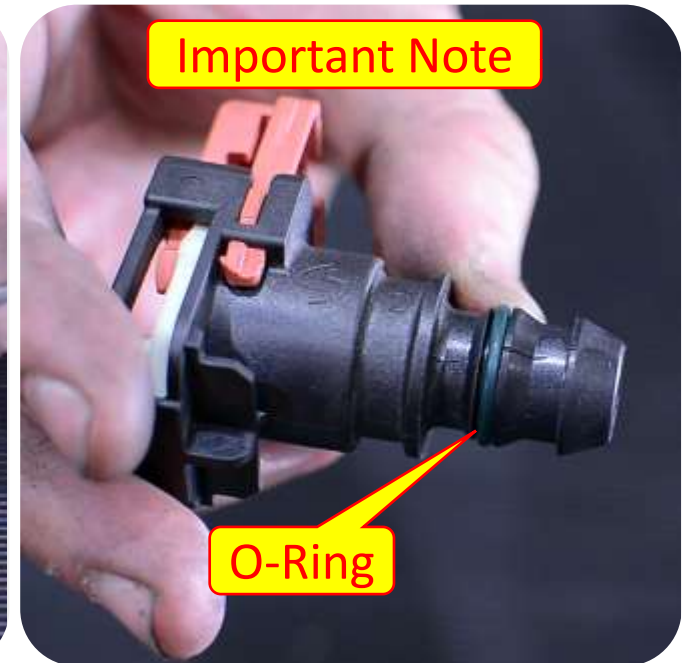
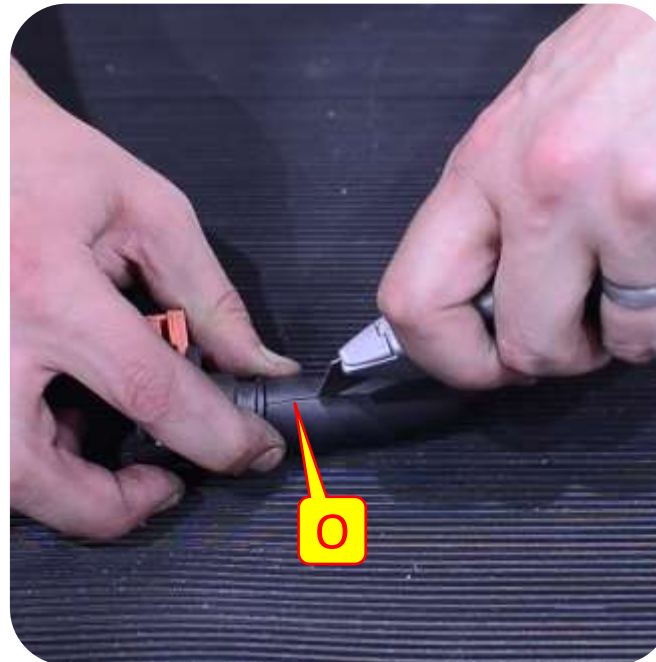
Section 3: Installation Instructions

Step 2: Rear Fender Well Preparation (Driver Side)

- O. Using a box cutter slice the hose on the end with the red clip.

Important Note: *Be careful not to cut the hose to deep. There is an O-Ring that you do not want to damage.*

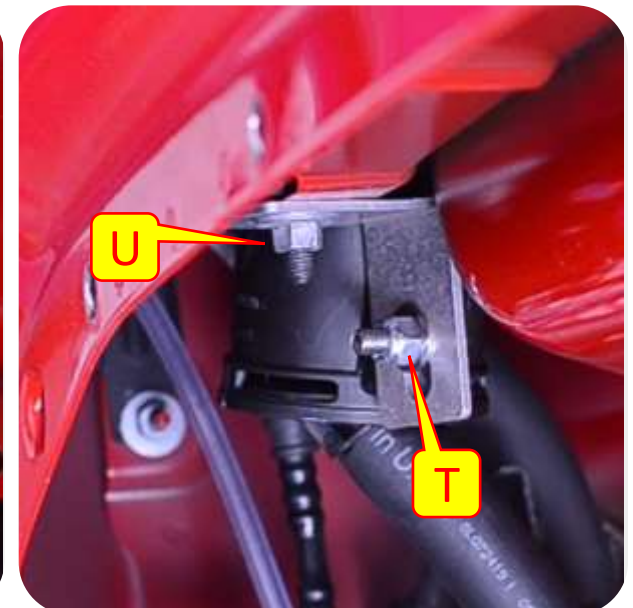
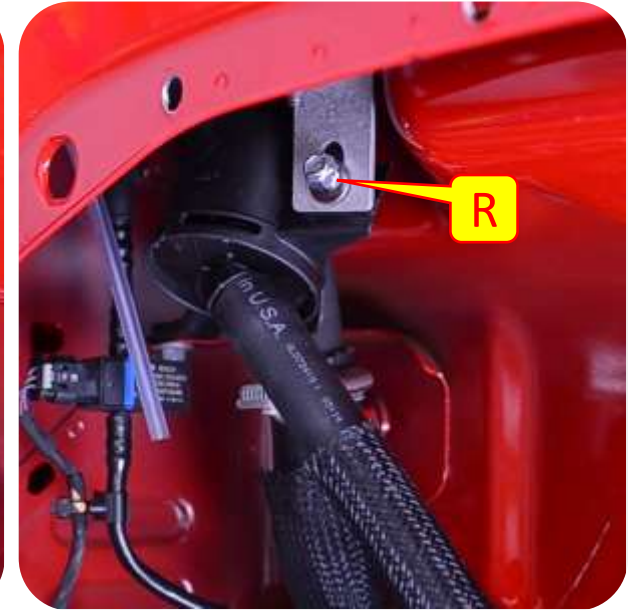
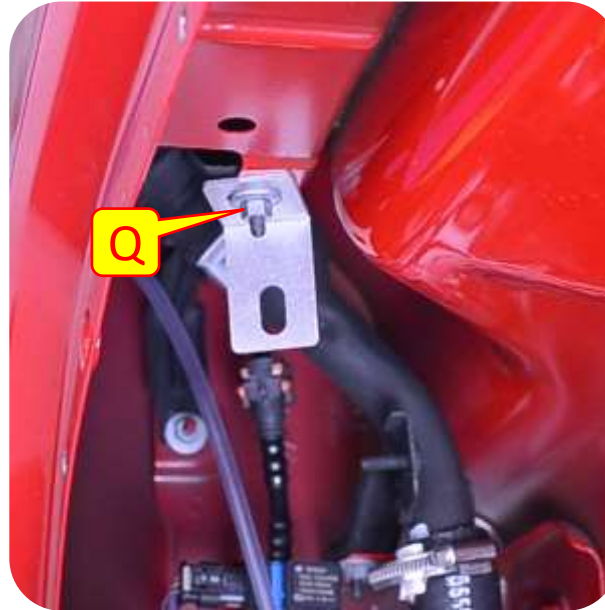
- P. Install the gas tank vent assembly into the provided hose. If you choose you can reinstall the jacket sleeve over the provided hose.



Section 3: Installation Instructions

Step 2: Rear Fender Well Preparation (Driver Side)

- Q. Install the provided L bracket into the gas tank vent assembly location on the tub loosely.
- R. Install the gas tank vent assembly to the L bracket using the provided bolt, nut and washer.
- S. Re-install the gas tank vent assembly hose. You should hear a pop when the hose is fully connected. Then reconnect the red clip.
- T. Use a 5/32" allen and a 7/16" wrench for the provide nut and bolt to tighten the gas tank vent assembly to the L bracket.
- U. Use a 10mm socket to tighten the stock nut on the L bracket.



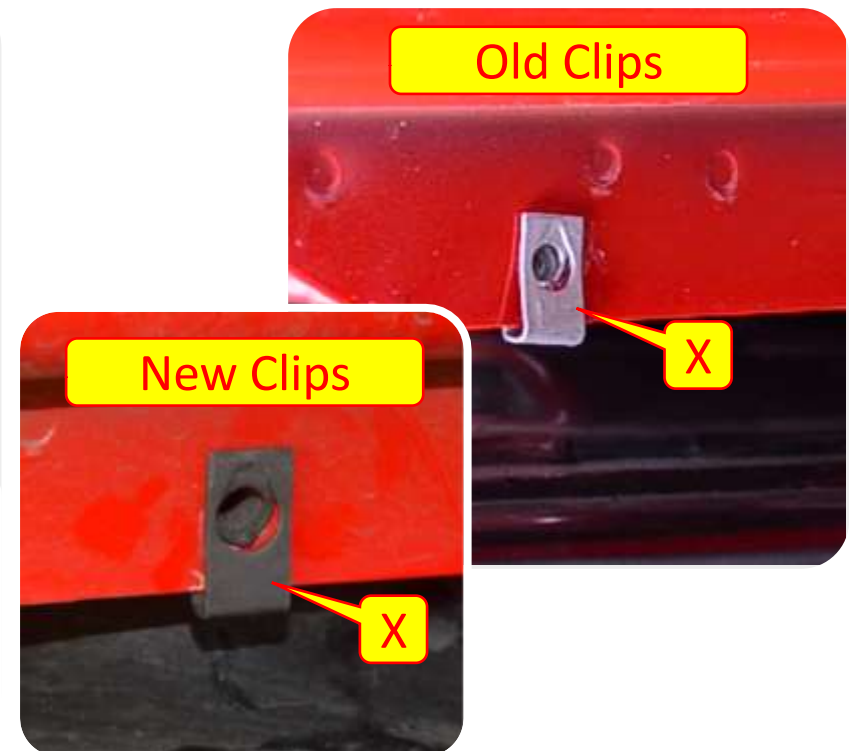
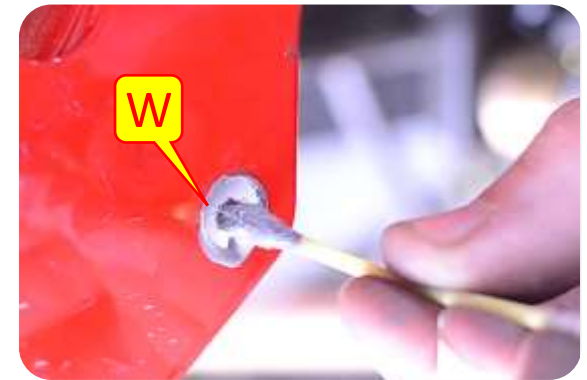
Section 3: Installation Instructions



Step 3: Rear Fender Well Drilling

Important Note: If you already have MetalCloak's JT Gladiator Rear Overland Fenders you will not need to remove your fender for drilling simply remove the bolts that correlate to the drilling locations on step V.

- V. Using a 7/16" drill bit drill out the stock holes marked in the diagram with an [●]
- W. MetalCloak recommends painting all exposed metal to prevent rust.
- X. Replace the three metal clips marked in the diagram [■] with the provided clip in nuts.



Section 3: Installation Instructions

Step 4: Rear Fender Well Installation

- Y. Install the provided snap in nuts to the back of the inner fender well.
- Z. Install the rear fender well into the wheel well.
- AA. Using the provided hardware install the button head bolts using a 7/32" allen.
- BB. Install the provided hardware and spacers behind the rear three bolt holes.
- CC. Using a 5/32 allen and a 7/16 wrench tighten the three rear bolts.
- DD. Make sure all hardware is fully tightened.

