



Installation Instructions



PRODUCT: 3/8" Rivet Nut Installation

REV: C | 06-23-2015 | II-0079

**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 as well as the installation tool—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

9/16" Combination Wrench
11/16" Combination Wrench



9/16" Socket

MetalCloak Rivet Nut Installation
Tool



1/8" to 17/32" Drill Bit
or
Step Up Drill Bit

Professional Rivet Nut Installation
Tool (*Optional*)



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



Important Note: *These instructions are generic, and the following assumptions were made:*

- *You will be installing 3/8"-16 Rivet Nuts (though the methods are applicable to other sizes).*
- *You have the appropriate Rivet Nut for the thickness of material where the nut will be installed.*
- *The holes for installation are already drilled. As a friendly reminder, if you are drilling thin material it is best to start with a small drill—1/8" or less—and work your way up to the needed drill size.*

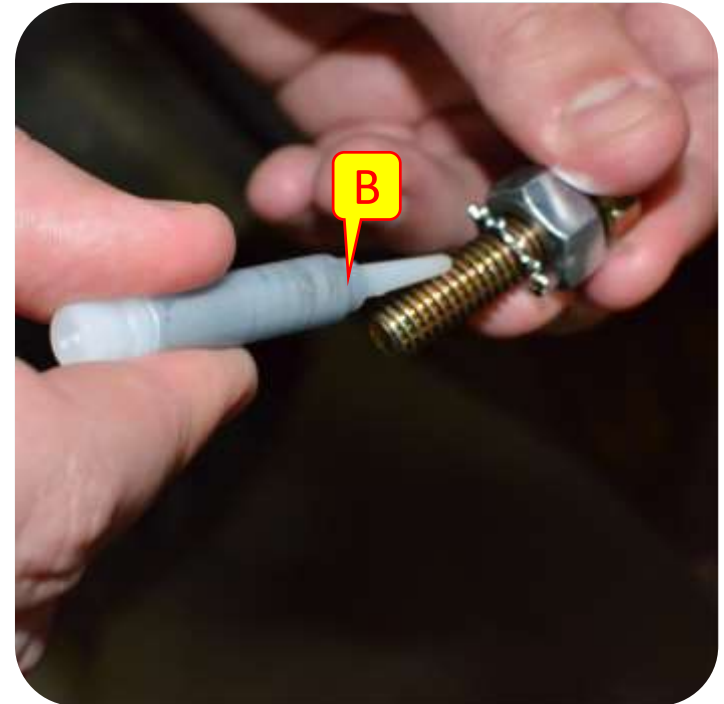
Use caution when installing Rivet Nuts, this is not a difficult procedure however if the rivet nut is damaged in the installation it is can be VERY difficult to remedy.

Section 2: Installation Instructions



Step 1: Skid Plate Installation

- A. MetalCloak includes an installation tool with every product that uses 3/8" -16 rivet nuts.
- B. Use anti seize on the MetalCloak rivet nut tool to help prevent damage to the rivet nut tool.



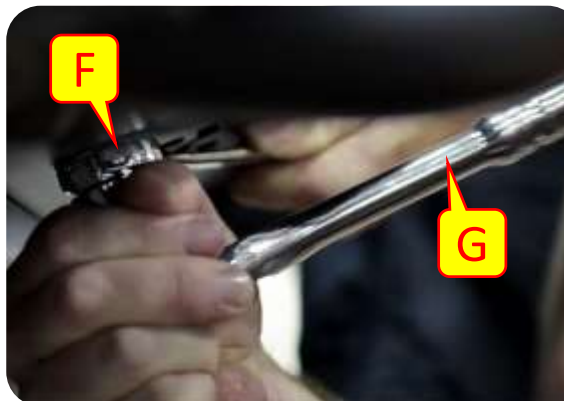
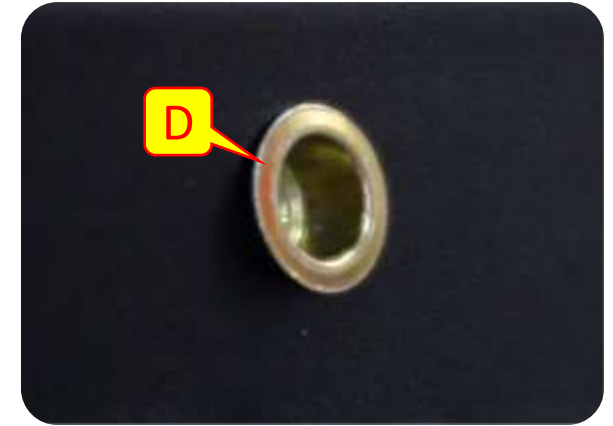
Note: If you prefer to use a T-handle style Rivet Nut Installation tool. This is readily available from McMaster-Carr (mcmaster.com), and you need both the Nut Insert Tool (98590A100) and the 3/8"-16 Mandrel (98590A555).

Section 2: Installation Instructions

Step 1: Skid Plate Installation

Note: Installation is not difficult, but it is important to take time to ensure measurements for proper alignment.

- C. Drill the rivet nut location stepping up from a 1/8" drill bit to a 17/32" drill bit.
- D. Place the Rivet nut in the 17/32" drilled hole.
- E. Using the MetalCloak installation tool, assemble the tool with the rivet nut. DO NOT FORGET THE LOCK WASHER.
- F. Use a 11/16" wrench to hold the nut on the installation tool.
- G. Using the 9/16" socket on the hex head bolt.



Note: Having a second pair of hands is very helpful when using this method, as a second person can help keep the rivet nut aligned and fully pressed into place.

Section 2: Installation Instructions

Step 1: Skid Plate Installation

- H. Tighten the hardware. Be careful not to over tighten as rivet nuts are more susceptible to stripping than a standard nut. You should feel a noticeable increase in resistance as the rivet nut bottoms out and fully crimps onto the sheet metal.
- I. Remove the installation tool by turning counter clockwise. Use the 11/16" wrench to stabilize the rivet nut tool until the bolt spins freely.
- J. Repeat as necessary until all rivet nuts are installed.



Note: *If using the T-handle tool, follow the same basic procedure as above, but you do not need multiple wrenches; the large handle acts as the 11/16" Wrench, and the T-handle acts as the 9/16" Wrench. A 1/4"-Drive Ratchet is helpful for ease of installation (providing greater torque and ratcheting), but is not required.*

Section 3: Product Components



Apply anti-seize to threads

