



PRODUCT: JT Gladiator UnderCloak System, Diesel

REV: A | 08-25-2021 | II-6358

**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 Socket
13mm Socket/Wrench
18mm Socket/Wrench
3/4" Socket/Wrench
9/16" Socket/Wrench



9/16 Allen Socket or wrench

11/16 Drill Bit



T45 Torx

6" Extension



13mm Flex Joint

Loctite



HOW TO USE THIS GUIDE: The installation guide contains ALL steps for installation. Please read and follow the instructions in order of each page 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.

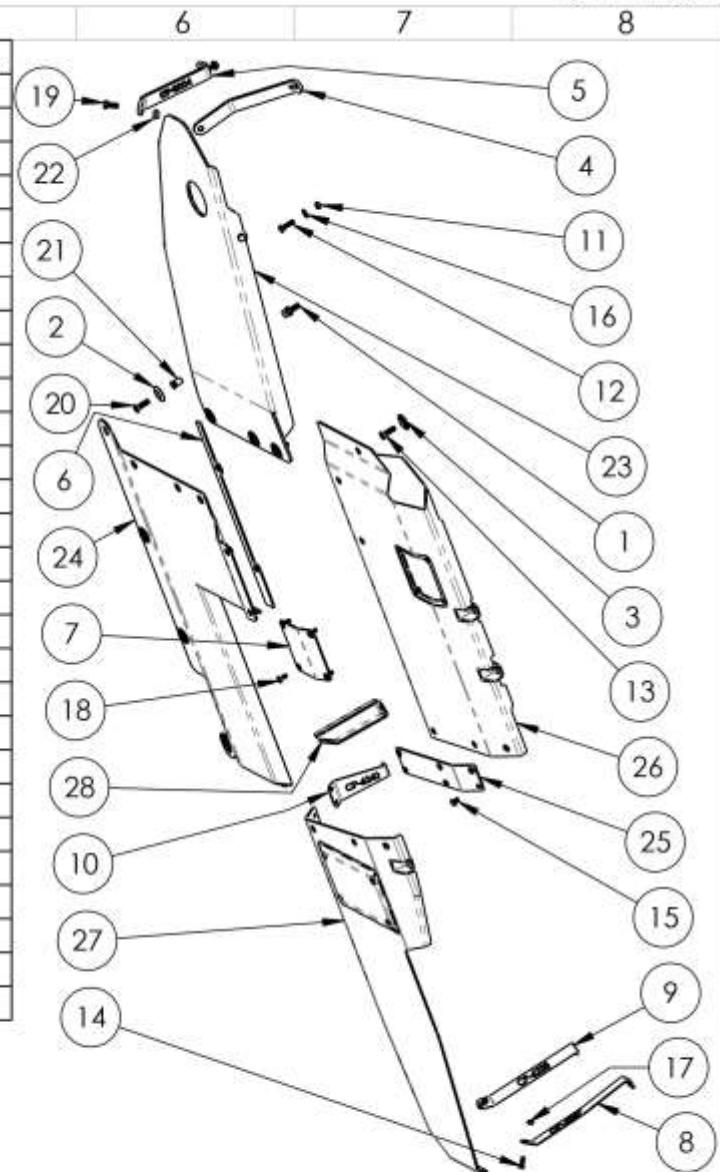
Section 2: Product Components



DC-0001 REV A

SHEET 1 OF 1

ITEM	PART NUMBER/DESCRIPTION	QTY.
1	8998 INSTALLATION TOOL, 0.50-13 RIVET NUT	1
2	CP-3084-G BEVELED SKID WASHER	1
3	CP-6085 BEVELLED SKID WASHER, 90DEG	9
4	CP-6223 GUSSET STRAP, DIESEL, JLU DRIVE	1
5	CP-6224 GUSSET STRAP, DIESEL, JLU PASS	1
6	CP-6231 FRAME SPACER, TRANSFER CASE SKID, DIESEL, JLU	1
7	CP-6233 FUEL FILTER COVER, GAS TANK SKID, DIESEL, JLU	1
8	CP-6237 LEFT HANGER, GAS TANK SKID, DIESEL, JT	1
9	CP-6238 RIGHT HANGER, GAS TANK SKID, DIESEL, JT	1
10	CP-6240 CENTER HANGER, GAS TANK SKID, DIESEL, JT	1
11	FM-10140 TOPLOCK NUT, M10-1.5L X 8H STL C10 ZINC	2
12	FM-10213 HHCS, M10-1.5 X 40L STL C10.9 ZINC, FULL THREAD	2
13	FM-12188 SFHCS, M12-1.5 X 45L STL C10.9 CLEAR ZINC	9
14	FS-06031 HHCS, 0.38-16 X 1.0L STL G5 ZINC	5
15	FS-06073 SFHCS, 0.38-16 X 0.75L SS 18-8 PLAIN	6
16	FS-06142 WASHER, 0.41ID X 1.0OD X 0.09TH STL ZINC	2
17	FS-06143 TOPLOCK NUT, 0.38-16 X 0.33H STL GC CAD	5
18	FS-06211 FHCS TORX, 0.38-16 X 1.0L STL GF ZINC	4
19	FS-08061 HHCS, 0.5-13 X 1.25L STL G8 ZINC	2
20	FS-08081 SFHCS, 0.5-13 X 1.75L STL G8 ZINC	1
21	FS-08082 RIVET NUT, 0.5-13 X 0.20GRIP STL G5 GOLD ZINC	1
22	FS-08127 NYLOCK FLANGE NUT, 0.5-13 X 0.56H STL GF ZINC	2
23	WM-6082 WELDMENT, MOTOR SKID PLATE, DIESEL, JLU	1
24	WM-6083 WELDMENT, TRANSFER CASE SKID, DIESEL, JLU	1
25	WM-6089 WELDMENT, JOINT PLATE, GAS TANK SKID, DIESEL JT	1
26	WM-6090 WELDMENT, FRONT, GAS TANK SKID, DIESEL JT	1
27	WM-6091 WELDMENT, REAR, GAS TANK SKID, DIESEL JT	1
28	WM-6092 WELDMENT, HANGER, TRANSFER CASE SKID, DIESEL, JT	1



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DO NOT SCALE DRAWING

Metal Cloak
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PART NUMBER/DESCRIPTION 6358 SKID PLATE SYSTEM, DIESEL, JT

Section 3: Installation Instructions

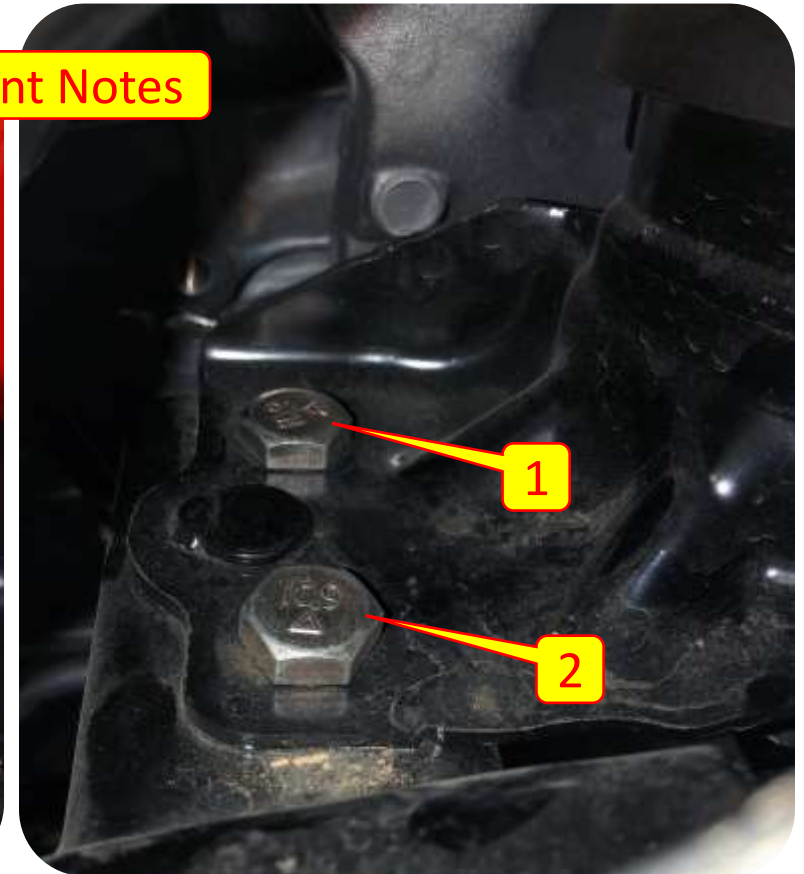


Step 1: Removing Factory Components

Important Note: You will need to remove the plastic retainers and 10mm bolts from your front fender wells to gain access to the bolts holding the motor mount to the frame side motor mount brackets. They are located inside the frame behind the coil spring mount. Use a 13mm socket to remove them and they will be replaced with the supplied 17mm head bolts and thick washers in step 4: Engine Skid Installation. Tighten completely. Blue Locktite is also recommended on these bolts.



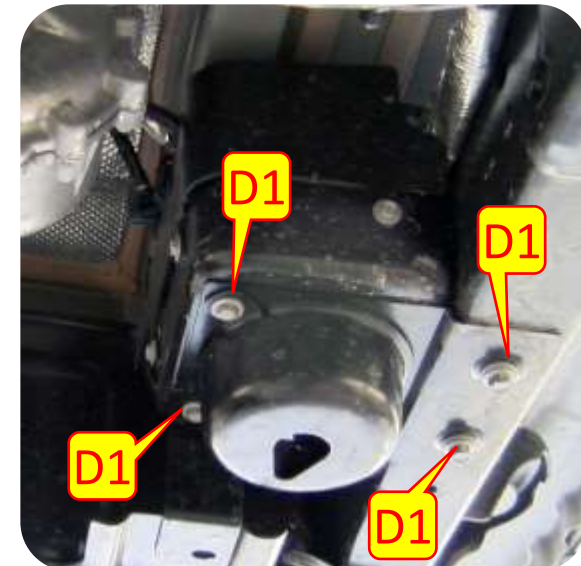
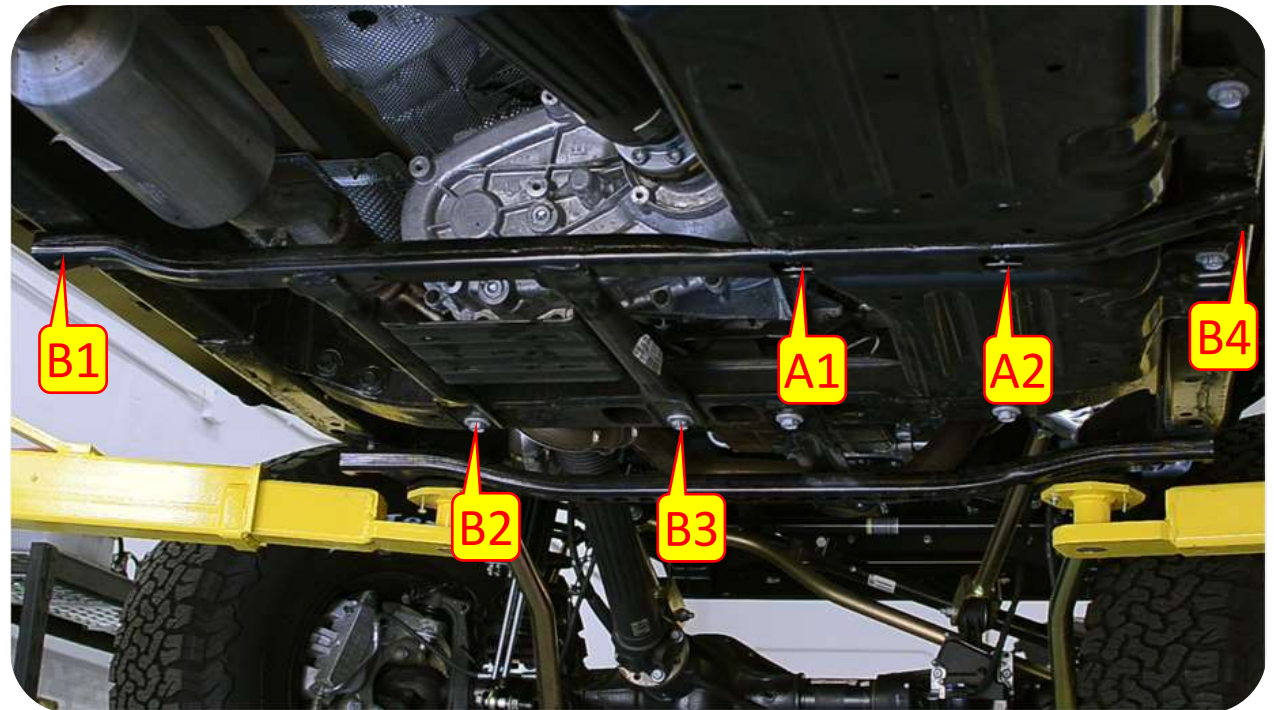
Important Notes



Section 3: Installation Instructions

Step 1: Removing Factory Components

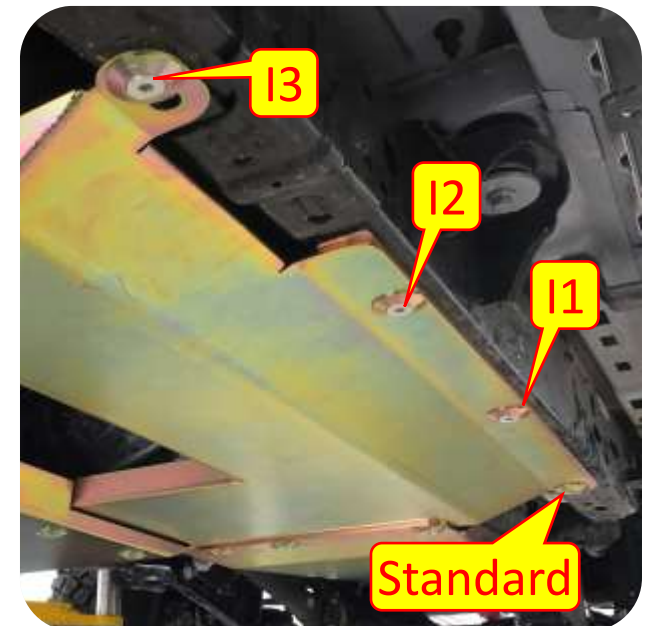
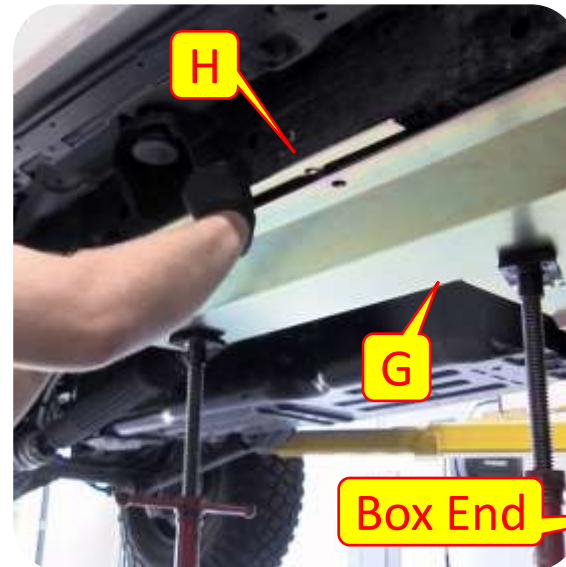
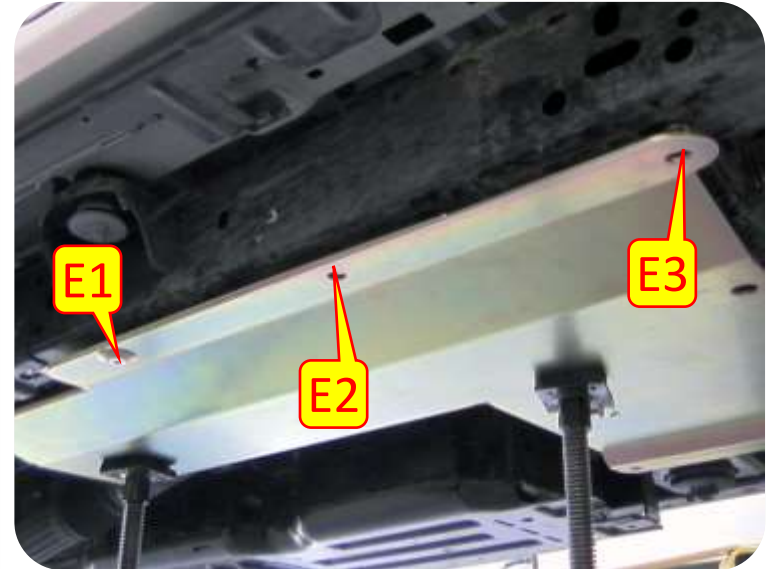
- A. Using a 13mm Socket disconnect the two nuts on the stock transfer skid. **Save All Hardware.**
- B. Using a 18mm Socket disconnect the four bolts on the stock transfer skid (*the hardware will not be reused*).
- C. Using a 16mm socket disconnect the three bolts on the stock transmission skid (*the hardware will not be reused*).
- D. Remove fuel filter cover using a 10mm socket and 13mm socket.



Section 3: Installation Instructions

Step 2: Install Transfer Case Skid Plate

- E. Using a 18mm socket disconnect the bolts on the stock transfer skid at the frame (*skid already shown on vehicle*). **Save all Hardware.**
- F. Using a 11/16 drill bit enlarge the existing frame hole (*next to cross member*) and using the provided rivet nut tool install the rivet nut using a 3/4" socket and wrench.
- G. Align the transfer case skid to the Jeep.
- H. Install the frame spacer with the boxed end facing the rear of the vehicle.
- I. Install the frame side hardware loosely with a 9/16" wrench. The rivet nut location takes the standard bolt and washer without the stripe.



Section 3: Installation Instructions



Step 2: Install Transfer Case Skid Plate

- J. Remove the stock bolt next to the rear driveshaft using a 16mm socket in preparation for installing the transfer skid standoff. **Save Hardware.**
- K. Loosely install the transfer skid rear standoff reusing the 16mm stock hardware and the provided 9/16" bolt and 11/16" nut.



Section 3: Installation Instructions

Step 3: Installing the JT Fuel Tank Skid

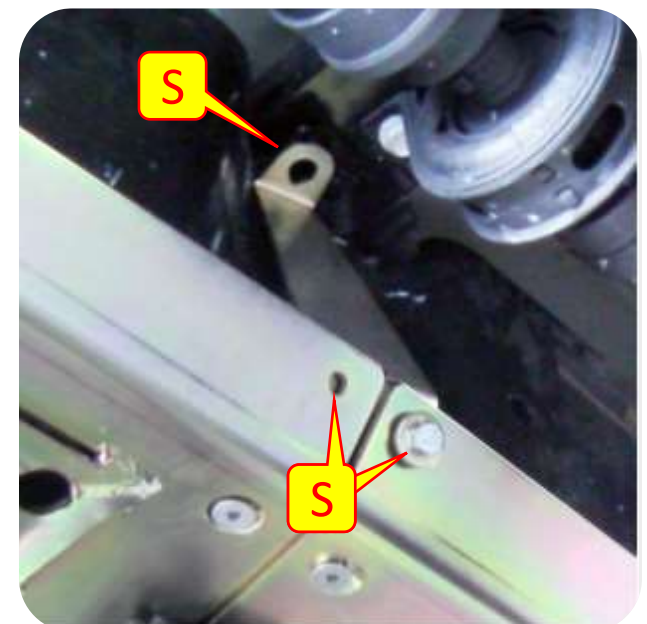
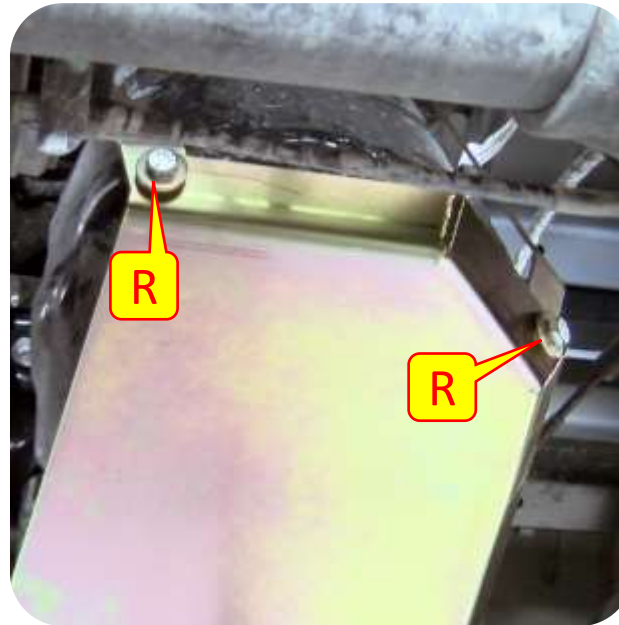
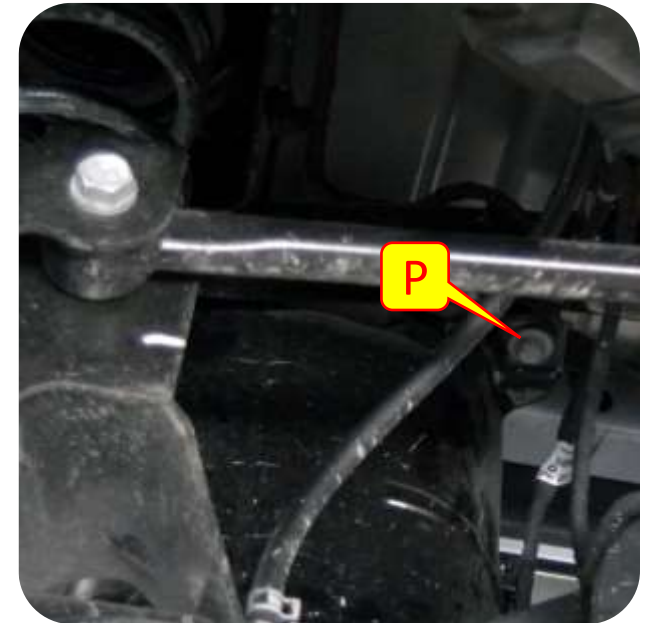
- L. Using a 18mm socket disconnect the bolts on the stock fuel tank at the frame. **Save all Hardware.**
- M. Loosely install the fuel tank center support to the front section of the fuel tank skid using a 9/16" allen bolts.
- N. Using the stock 18mm bolts install the front fuel tank skid to the frame.
- O. Align the rear fuel tank skid and using the stock 18mm bolts install the rear fuel tank skid to the frame.



Section 3: Installation Instructions

Step 3: Installing the JT Fuel Tank Skid

- P. Using a 18mm socket remove the rear stock fuel tank bolts. **Save Hardware.**
- Q. Install the rear fuel tank skid hangers into the stock location with the stock 18mm hardware.
- R. Using the provided 9/16" bolts and nuts install the fuel tank skid hangers to the skid plate.
- S. Install the center fuel tank hanger using the stock 18mm cross member frame bolt and using the provided 9/16" bolts and nuts attach the hanger to the skid plate.



Section 3: Installation Instructions



Step 3: Installing the JT Fuel Tank Skid

- T. Install the fuel filter cover onto the fuel tank skid plate using the provided T45 torx bolts.



Step 4: Installing the JT Engine Skid

Important Note: When installing the front motor mount brackets each bracket is marked with a number to show which side the bracket should be installed on.

CP-6223 – Driver Side

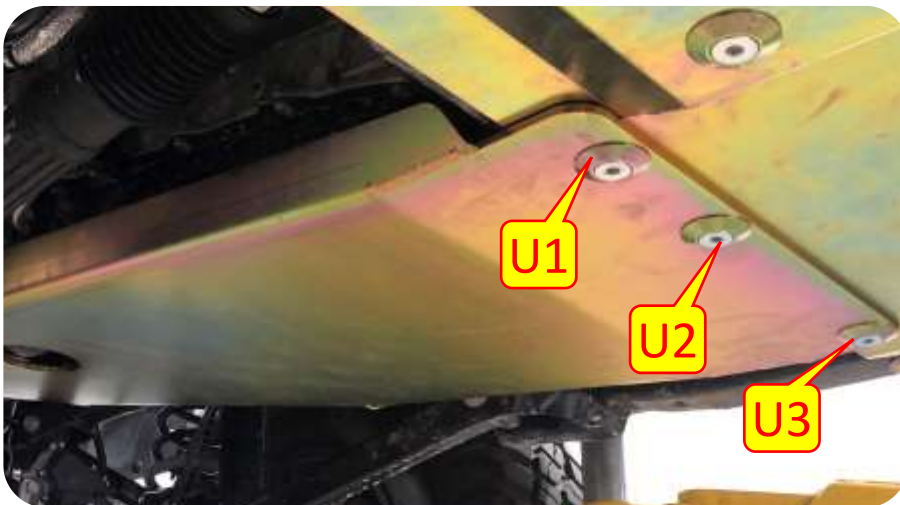
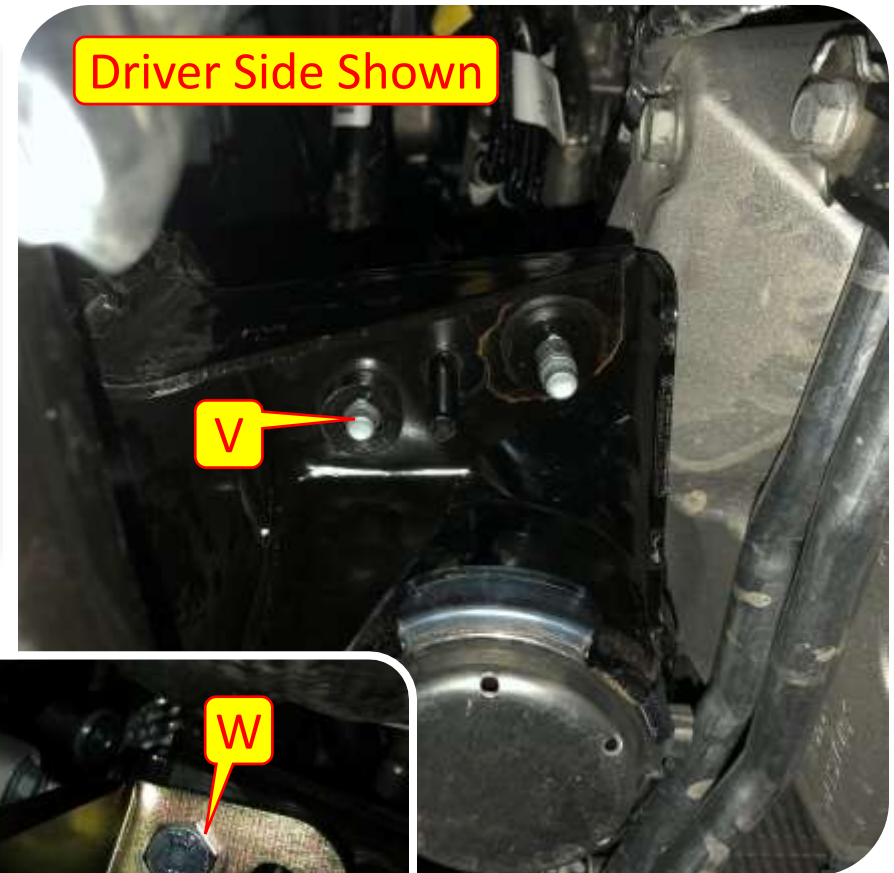
CP-6224 – Passenger Side

Section 3: Installation Instructions

Step 4: Installing the JT Engine Skid

Important Note: *On the driver side motor mount remove furthest bolt for the motor strap. On the passenger side motor mount remove closest bolt for the motor strap.*

- U. Using an 8mm allen wrench attach the motor skid plate to the transfer case skid plate using the counter sunk bolts.
- V. Remove the motor mount bolt. MetalCloak suggests using a 13mm flex joint, 6" extension on a longer 3/8" ratchet.
- W. Install the motor mount hangers to the motor mount. Make sure the bolts face upward and the thick washers and nut are on the backside. **use thread locker for the bolts.**
- X. Before tightening the bolts check for clearance. Shift the engine skid all the way towards the passenger side to clear the driveshaft.



Section 3: Installation Instructions



Step 5: Tighten All Hardware

Y. Double check and tighten ALL hardware.