



PRODUCT: JL Wrangler LED Taillight Lo-Profile Molded Kit

REV: A | 08-14-2023 | II-6435

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

1/4" Socket



Wire Strippers/Crimpers

T40 Torx



Phillips 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 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 B

SHEET 1 OF 1

ITEM	PART NUMBER/DESCRIPTION	QTY.
1	CP-3338 MOLDED LIGHT BEZEL, REAR CORNER, DRIVER JL	1
2	CP-3338-P MOLDED LIGHT BEZEL, REAR CORNER, PASSENGER, JL	1
3	CP-3339 BRACKET, MOLDED LIGHT BEZEL, REAR CORNER, JL	2
4	CP-3339-P BRACKET, MOLDED LIGHT BEZEL, REAR CORNER, JL	2
HK-6435		
5	CP-0855 RESISTOR BRACKET, LED LIGHT	2
6	FA-0147 RESISTOR, 50W6RJ FOR LED LIGHTS	2
7	FA-1002 WIRE BUTT SPLICE, 16-14GA	12
8	FA-1041 LED REAR LIGHT BODY	2
9	FA-6003 WIRING HARNESS, LED LIGHT, REAR CORNER, JL	2
10	FA-1044 CLIP ON NUT, 8-32	2
11	FS-00327 PHCS CROSS SELF-TAP, 6-32 X 0.31L STL ZINC	4
12	FS-00329-BZ PHCS CROSS, 3-48 X 0.44L STL BLACK ZINC	4
13	FS-01098-BZ PHCS CROSS, 8-32 X 0.50L STL BLACK ZINC	8
14	FS-02363 SFHCS, 10-32 X 1.5L SS 18-8 BLACK	8
15	FS-04043 HHCS BOLT WITH SERRATED LOCK WASHER, 0.25-18 X 0.38L STL G5 ZINC	4

DETAIL A
SCALE 1 : 6

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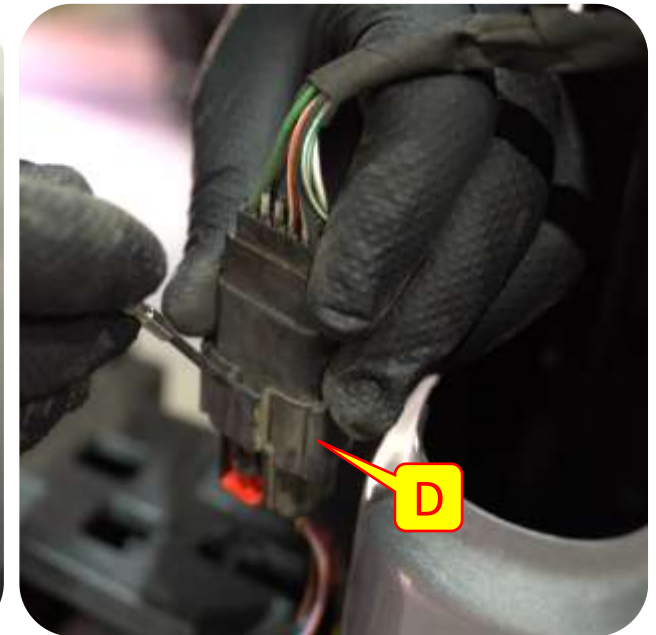
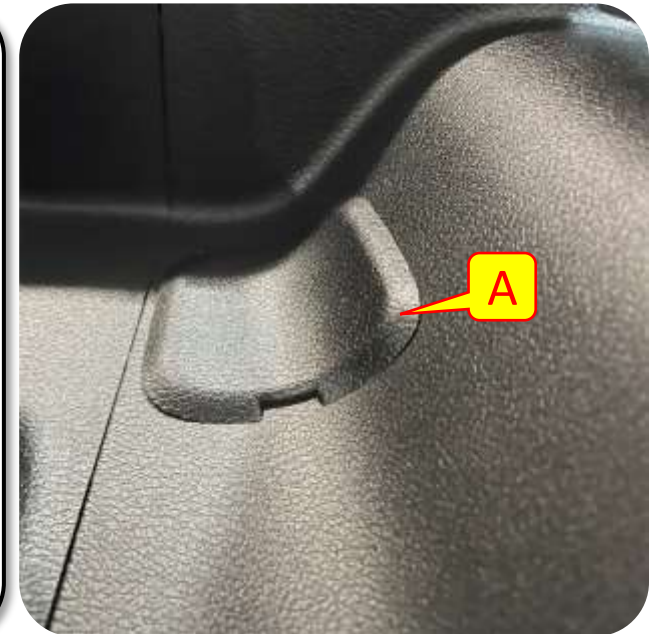
Metal Cloak
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PART NUMBER/DESCRIPTION
6435 REAR MOLDED LED KIT, JL

Section 3: Installation Instructions

Step 1: Taillight Removal

- A. Open the tailgate and on the interior of the jeep behind each taillight is a rubber cover. Remove the rubber cover to gain access to the taillight retention screw.
- B. Using a T40 torx bit remove the taillight retention screw.
- C. Remove the taillight from the jeep body.
- D. Release and unplug the light connector from the Jeep wiring harness.



Section 3: Installation Instructions

Step 2: Molded Bezel Installation

- E. Install the mounting brackets (*BOM #3 & #4*) to the Jeep Body making sure the tab on the brackets is on the interior of the Jeep body while the bracket mounts are on the exterior of the jeep body.
- F. Install the provided hex head bolt and lock tooth washer (*BOM #15*). These bolts will be installed from the inside of the fender through the pem nuts on the bracket.
- G. Align and attach the molded bezel to the brackets with the provided flat head screws (*BOM # 14*).
- H. Make sure the notches on the molded bezel reinforcement ribs capture the front edge of the fender opening and fully tighten all hardware (*Phillips Head Screwdriver & 1/4" Socket*).



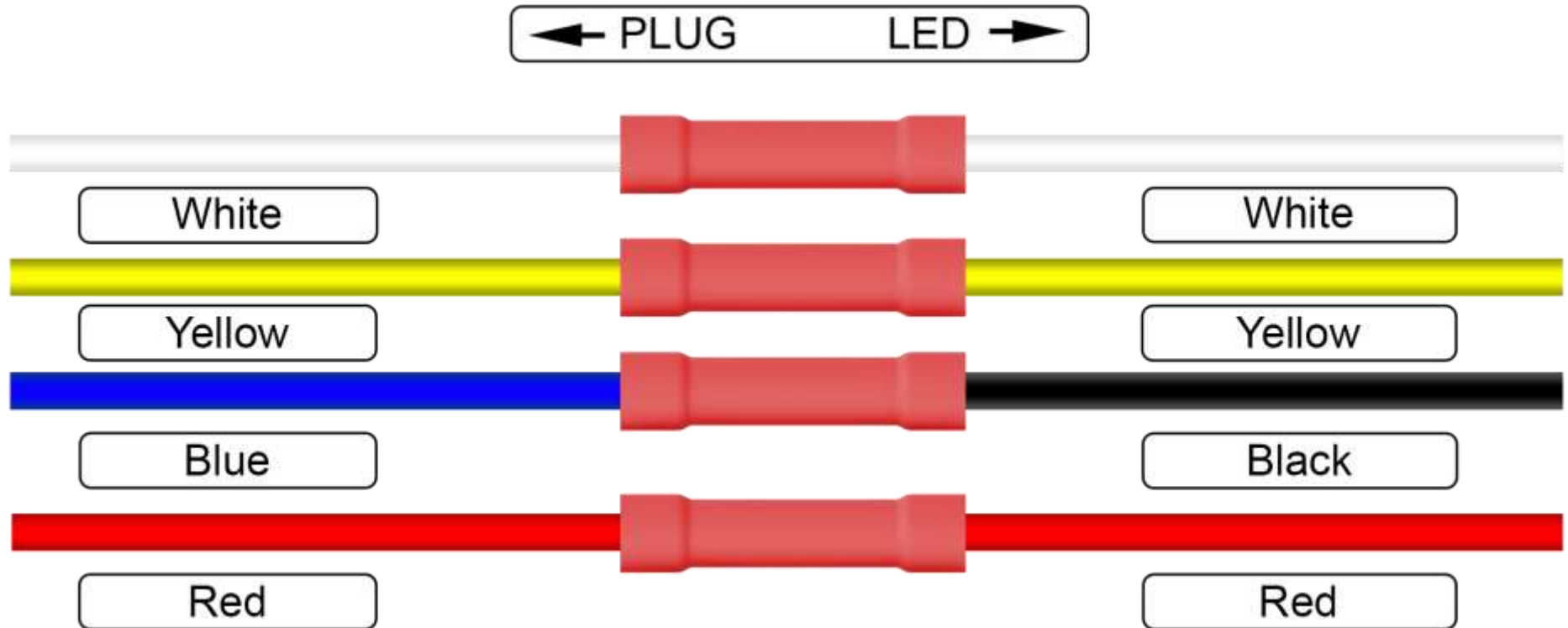
Section 3: Installation Instructions



Step 3: Taillight Wiring (Factory LED Lights)

Note: If you have the factory halogen taillights continue to page 7.

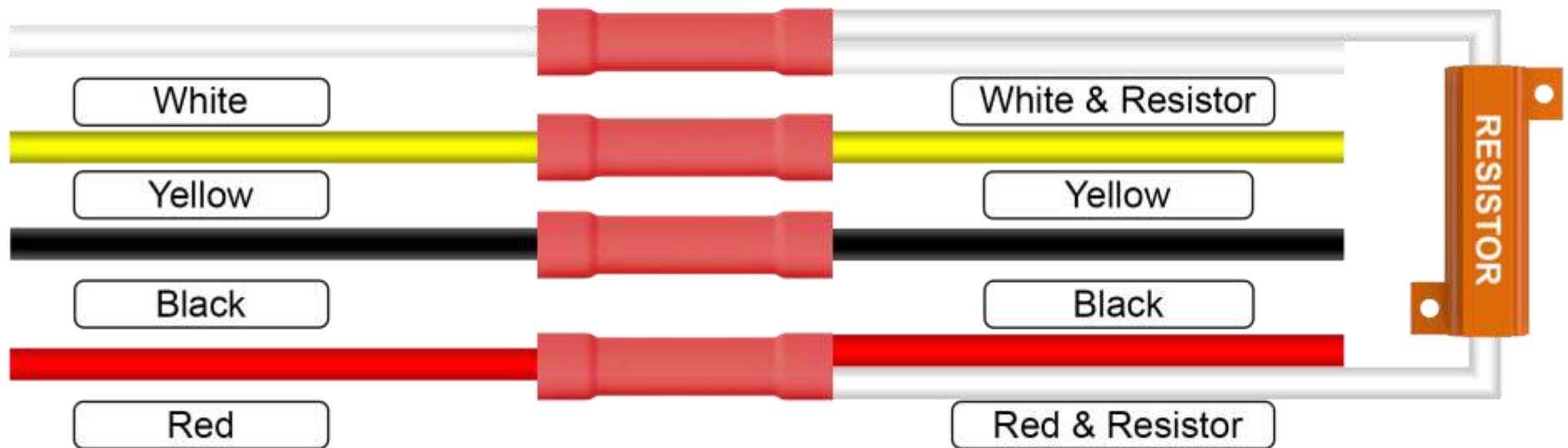
- Use the butt connectors to wire the provided wiring harness plug (BOM #9) to the provided LED light (BOM #8) according to the provided wiring diagram. Tape or shrink-wrap as preferred.



Section 3: Installation Instructions

Step 3: Taillight Wiring (*Factory Halogen Lights*)

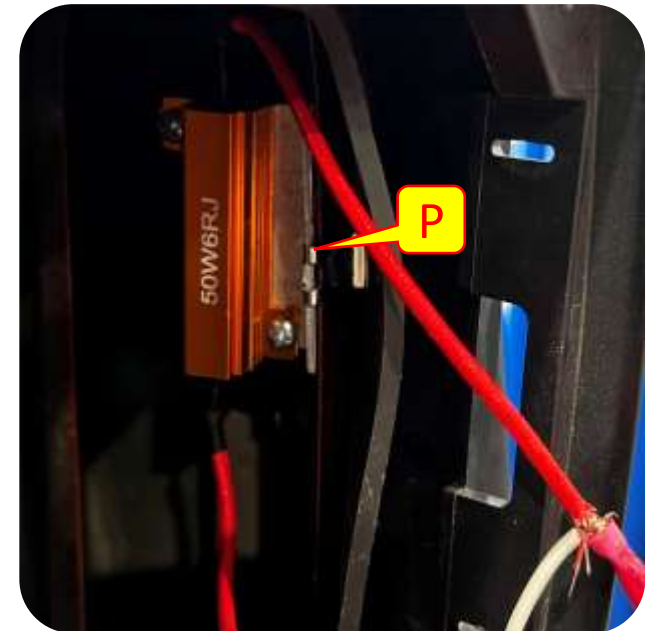
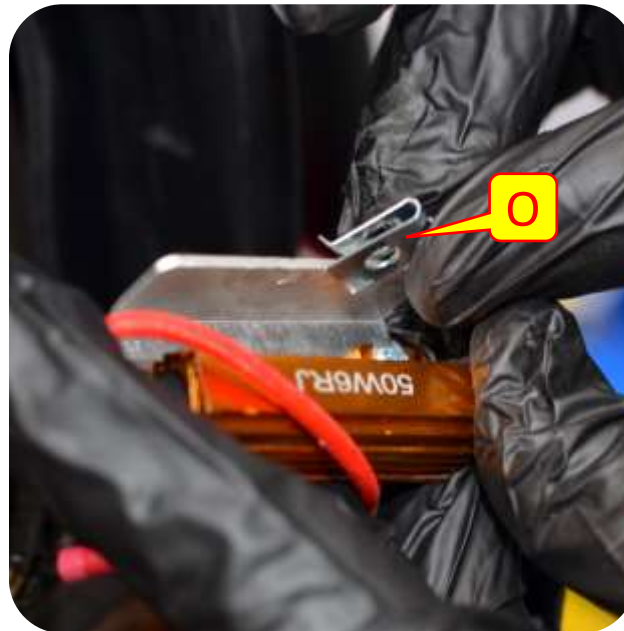
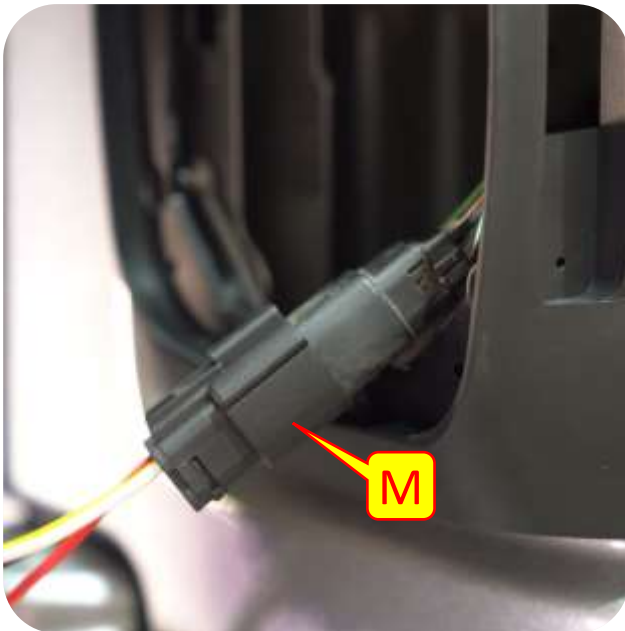
- J. Use the butt connectors to wire the provided wiring harness plug (*BOM #9*) to the provided LED light (*BOM #8*) according to the provided wiring diagram. Tape or shrink-wrap as preferred.
- K. Using the provided self tapping screws tap the aluminum resistor bracket with a Philips head screwdriver.
- L. Remove the screws and install the resistor to the bracket with a Philips head screwdriver.



Section 3: Installation Instructions

Step 4: LED Taillight Installation

- M. Plug the LED plug into the factory harness.
- N. Test the lights to make sure everything is lighting up properly.
- O. If applicable install the provided clip to the resistor bracket.
- P. If applicable find a flat surface and clip the resistor bracket to the interior of the Jeep tub.



Section 3: Installation Instructions

Step 4: LED Taillight Installation

- Q. Slide the side marker light through the side of the light bezel and install using a Philips head screwdriver.
- R. Using a Philips head screwdriver install the LED light into the beveled light mount with the provided hardware.

