



PRODUCT: **Bronco 6G Rear Bumper**

REV: B | 03-23-2023 | II-B0210

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 Bronco 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 Bronco 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:



Socket & Ratchet Wrench

10mm Socket 13mm Socket
18mm Socket 19mm Socket
22mm Socket 3/4" Socket



13mm Box Wrench
9/16" Box Wrench

5/32" Allen Wrench
7/32" Allen Wrench



Philips Head Screwdriver

Plastic Fastener Removal Tool



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.

Model: Instructions may apply to multiple Bronco models but are labeled separately where appropriate.

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	6803 D-RING MOUNTS, REAR JT	1
2	B0204 BUMPER SENSOR RETAINER SET, BRONCO	1
3	CB-0048 TRIM PLATE, BUMPER, REAR, BRONCO	1
4	CB-0048-P TRIM PLATE, BUMPER, REAR, BRONCO	1
5	CB-0049 LIGHT FILL, BUMPER, BRONCO	2
6	CB-0052 WASHER PLATE, CAP SUPPORT, REAR, BRONCO	2
7	CP-6906 PLUG CUTOFF COVER, BUMPER, REAR JL	1
8	FA-0145 HOLE PLUG, 1.00D X 0.63H PLASTIC BLACK	4
9	FS-01028 PHCS CROSS SELF-TAP, 8-32 X 0.50L STL ZINC	2
10	FS-04021 SBHCS, 0.25-20 X 0.63L SS 18-8 PLAIN	6
11	FS-04267 CLIP-ON NUT, 0.25-20 STL ZINC, 0.03-0.15 PANEL	6
12	FS-06010-BZ SBHCS, 0.38-16 X 1.0L STL G8 BLACK ZINC	4
13	FS-06031 HHCS, 0.38-16 X 1.0L STL G5 ZINC	2
14	FS-06053 SERRATED FLANGE LOCK NUT, 0.38-16 X 0.34H STL GF ZINC	2
15	FS-08219 HHCS FLANGE, 0.5-13 X 1.25L STL G8 ZINC	10
16	WM-8500 WELDMENT, BASE, BUMPER, REAR, BRONCO	1
17	WM-8501 WELDMENT PLATE CAP, BUMPER, REAR, BRONCO	1
18	WM-8501-P WELDMENT PLATE CAP, BUMPER, REAR, BRONCO	1
19	WM-8502 WELDMENT, CAP SUPPORT, BUMPER, REAR, BRONCO	1
20	WM-8502-P WELDMENT, CAP SUPPORT, BUMPER, REAR, BRONCO	1

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DO NOT SCALE DRAWING

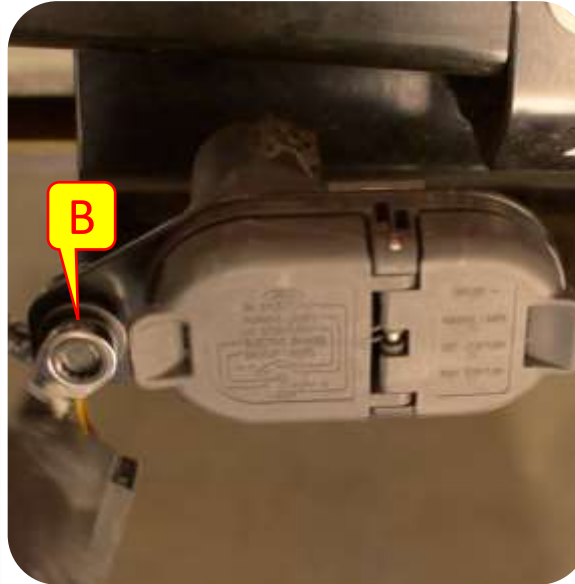
Metal Cloak
 A DIVISION OF ARMORED WORKS, LLC

PART NUMBER/DESCRIPTION
 B0210 BUMPER SYSTEM, REAR, BRONCO

Section 3: Installation Instructions

Step 1: Remove the Factory Bumper

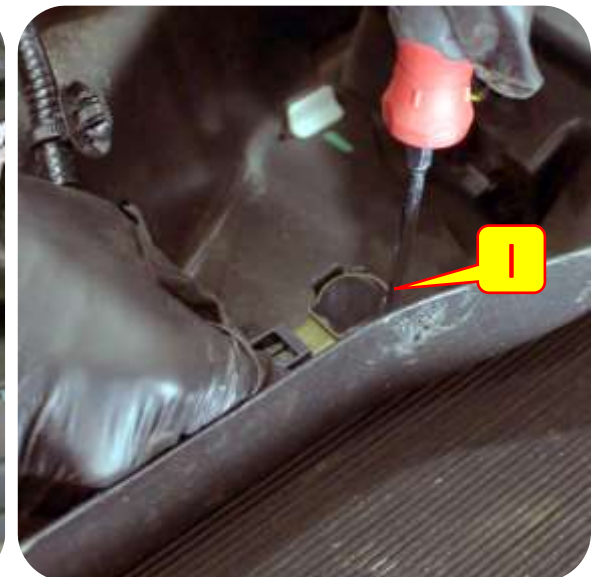
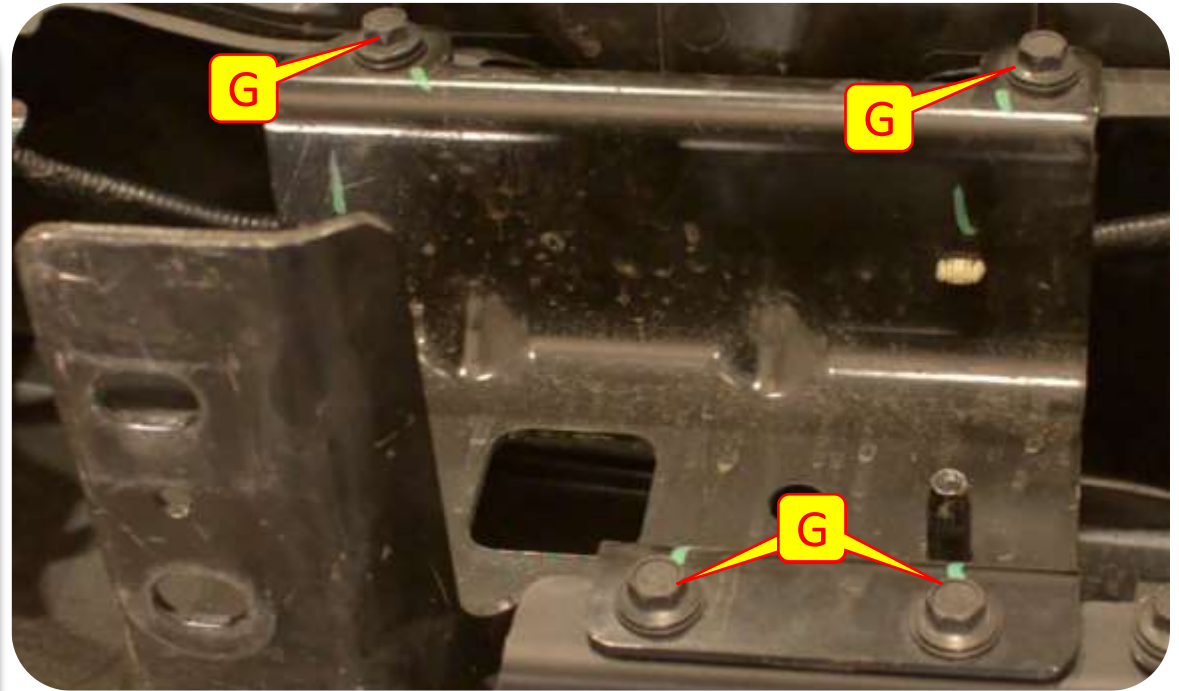
- A. Remove the spare tire using a 19mm socket.
- B. Remove the trailer brake plugs using a 10mm socket and pinch the silver retaining tabs behind the plug to release it.
- C. Disconnect the parking sensor wire plugs on both sides of the vehicle.
- D. Remove the bolts from the bottom of the factory bumper. At the bottom of the bumper remove the four 18mm bolts that bolt through the recovery points behind the bumper.
- E. Remove the 13mm bolts using a socket or wrench.
- F. Remove the stock bumper.



Section 3: Installation Instructions

Step 2: Rear Bumper Disassembly

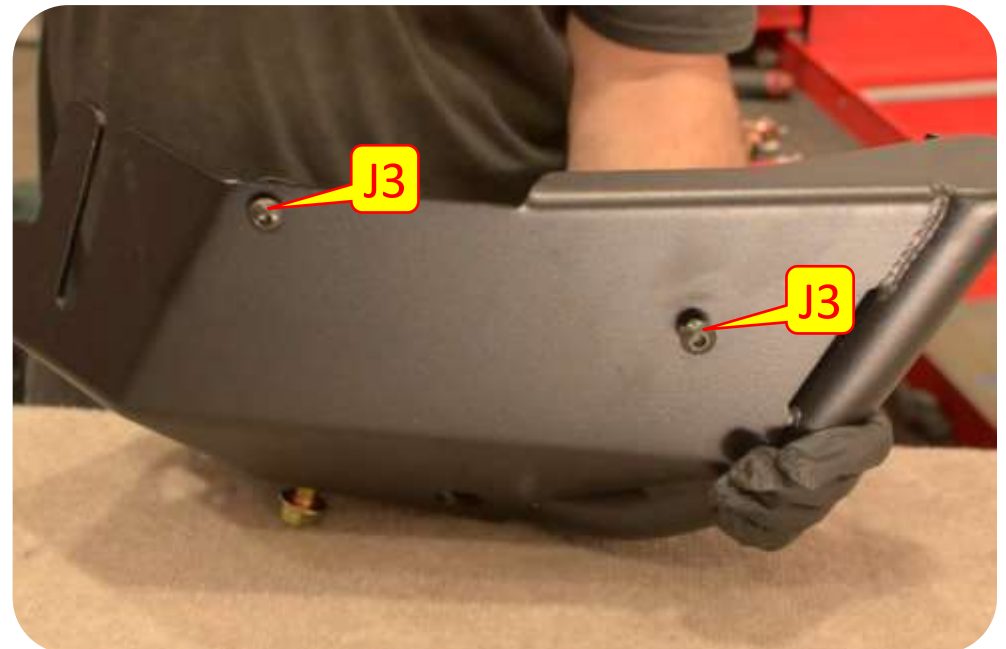
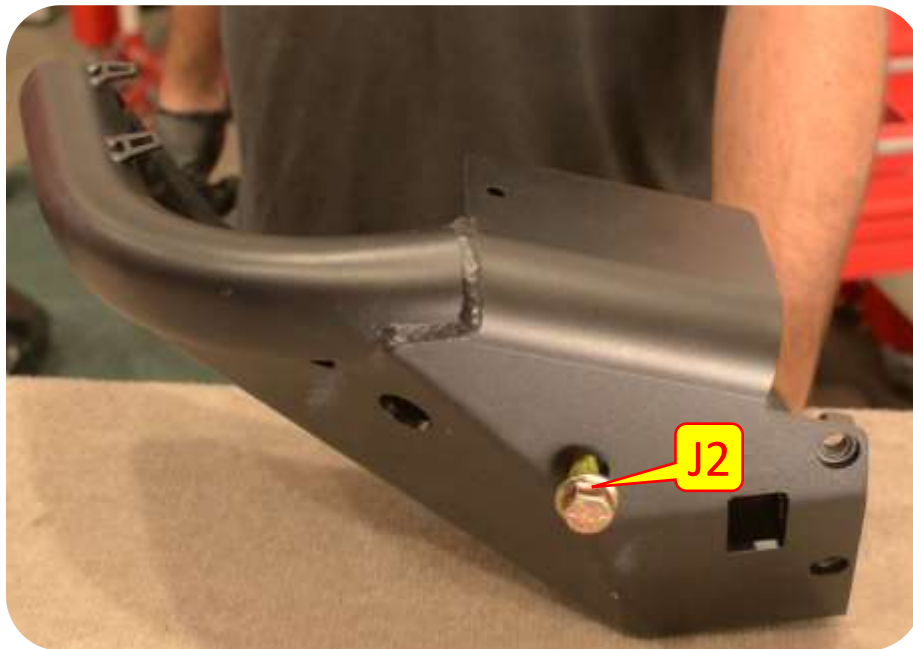
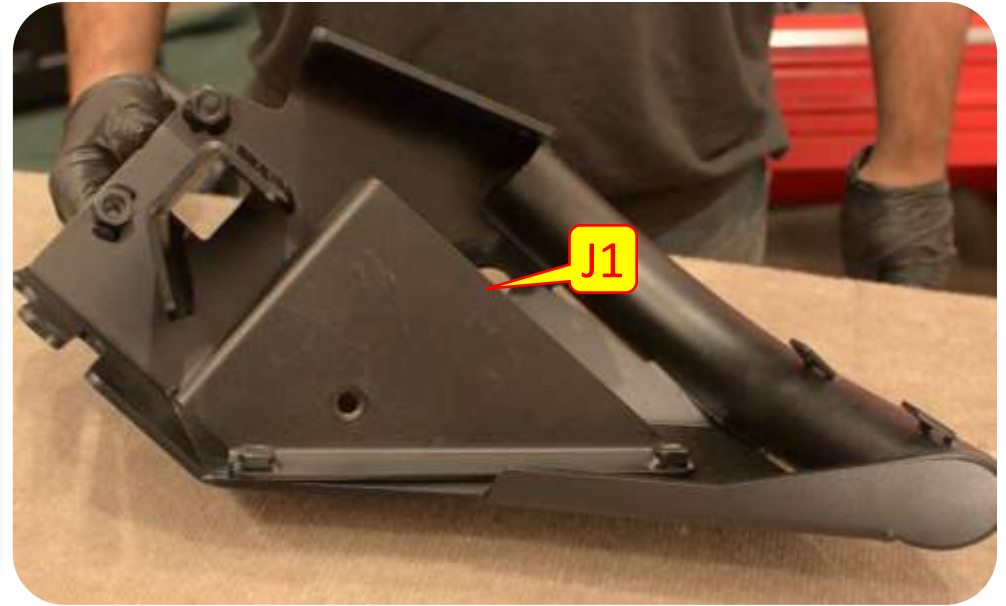
- G. Using a 13mm socket remove all the interior brackets on the factory bumper.
- H. Use a plastic trim tool to remove the plastic "Christmas trees" that hold the parking sensors wiring in place.
- I. Remove the sensors from the bumper by pulling back the side tabs that are holding the sensors in.



Section 3: Installation Instructions

Step 3: MetalCloak Bumper Assembly

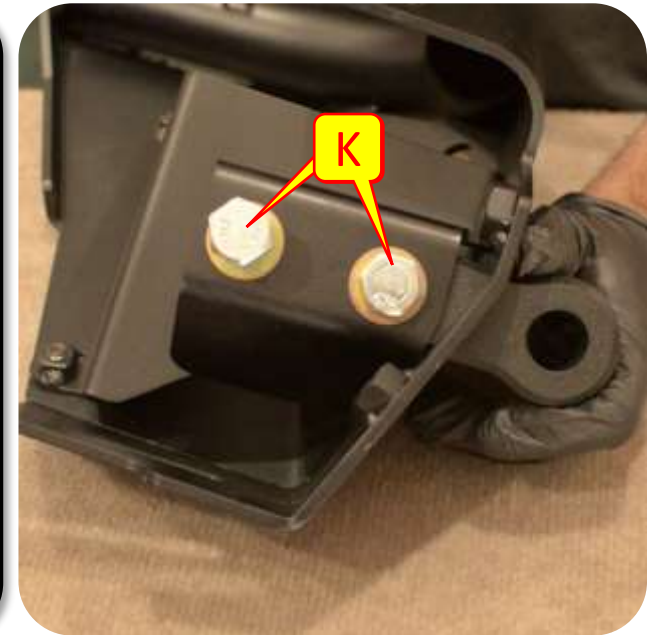
- J. Take MetalCloak bumper caps and install the cap supports using the provided hardware with 3/4" socket and 7/32" allen.



Section 3: Installation Instructions

Step 3: MetalCloak Bumper Assembly

- K. Install the D-ring mounts using the provided hardware with a 22mm socket.
- L. Install the provided nut clips to the tabs on the end caps and one onto the trim plate.
- M. Install the trim plate using the provided hardware with a 5/32" allen wrench.



Section 3: Installation Instructions



Step 3: MetalCloak Bumper Assembly

- N. Install the end caps to the bumper base using the provided hardware using a 3/4" socket.
- O. Install the light fill mount bracket on the inside of the bumper if you do not plan on installing lights, using a 9/16" socket and wrench.



Section 3: Installation Instructions



Step 3: MetalCloak Bumper Assembly

- P. Install the bumper sensor retainers by pushing them through the front.
- Q. Install the parking sensors, making sure you install the sensors in the same orientation as the factory bumper had them.
- R. Install the trailer plug by pushing it through the bumper by hand.



Section 3: Installation Instructions

Step 4: MetalCloak Rear Bumper Installation

- S. Take your assembled bumper and install it on the vehicle using the factory 18mm bolts.
- T. Plug in the trailer plug and parking brake sensors.
- U. Install the provided reinforcement bracket using the 3/4" bolts through the rear body mount and in to welded nut in the cap supports.
- V. Tighten all hardware.

