



PRODUCT: Bronco Front Upper A-Arm Kit

REV: A | 01-25-2024 | II-B0330

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:



Socket & Ratchet Wrench

8mm Socket
18mm Socket
22mm Socket

10mm Socket
21mm Socket
24mm Socket



21mm Box Wrench

4mm Allen Wrench
12mm Allen Wrench



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 2

	1	2	3	4	5	6	7	8						
	ITEM	PART NUMBER/DESCRIPTION			QTY.									
E	1	SB-0035 BOLT SLEEVE, A ARM, UPPER, BRONCO			2									
	2	SB-0036 BOLT WASHER, A ARM, UPPER, BRONCO			2									
	3	SB-0037 DUST CAP, A ARM, UPPER, BRONCO			2									
	4	SS-0822 INT RET RING, 2.38 BORE YEL ZINC			4									
	5	SB-0060 SPHERICAL BEARING, 1.25 ID X 2.38OD X 0.94W			2									
	6	SS-8064 DUROTRAK BUSHING SET, 0.56ID X 2.4W			4									
	7	WM-8520 WELDMENT, A ARM, UPPER, BRONCO			1									
	8	WM-8520-P WELDMENT, A ARM, UPPER, BRONCO			1									
	9	WM-8521 ASSEM, SPACER, A ARM, UPPER, BRONCO			4									
D	HK-B0330													
	10	FA-6266 ORING, BUNA N, 70A, AS139			2									
	11	FM-08166 SHCS, M8-1.25 X 25L STL C12.9 ZINC			4									
	12	FM-14126 TOPLOCK NUT, M14-2.0 X 14H STL C10 ZINC			2									
	13	FM-14156 SHCS, M14-2.0 X 100L STL C12.9 BLACK ZINC			2									
C														
B														
A														

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DO NOT SCALE DRAWING

PART NUMBER/DESCRIPTION

B0330 A ARM KIT, UPPER, BRONCO

MetalCloak

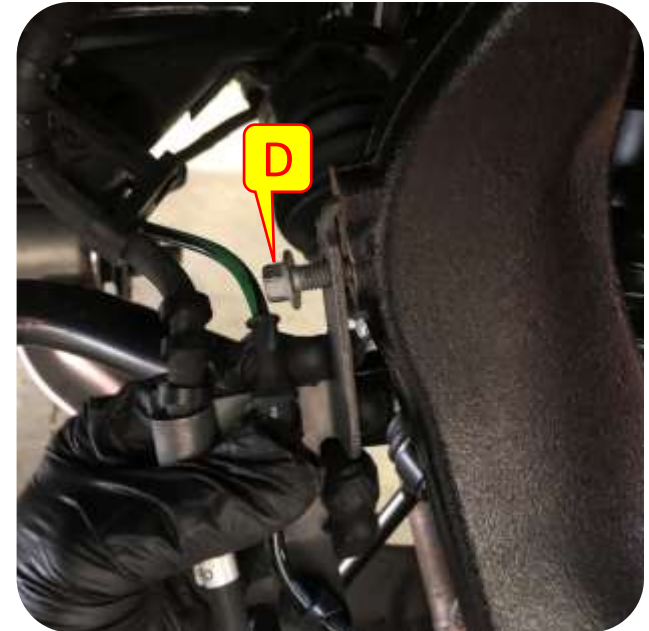
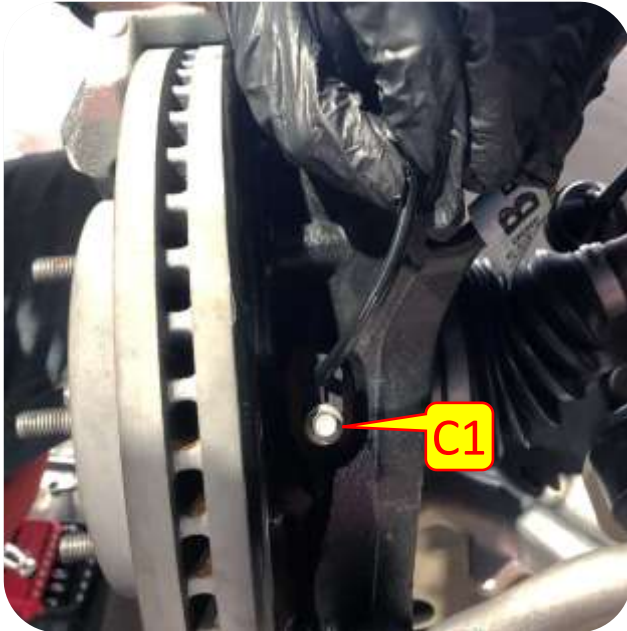
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Section 3: Installation Instructions



Step 1: Preparation for A-arm Removal

- A. Jack the vehicle up and place a jackstand under front crossmember (lower A-arm must be able to droop completely).
- B. Remove Tire.
- C. Using an 8mm socket remove the sensor retaining bolt.
- D. Using a 10mm socket remove the wire bracket on the knuckle.



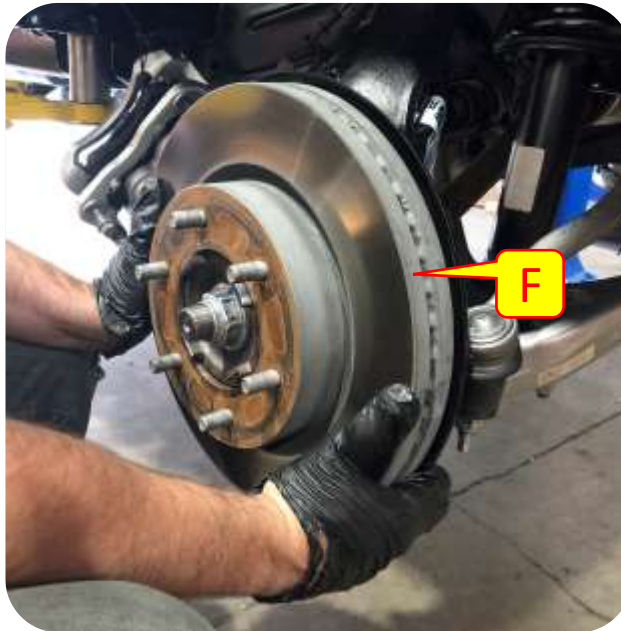
Section 3: Installation Instructions



Step 1: Preparation for A-arm Removal

- E. Using a 18mm socket with a 3in extension remove the brake caliper bolts.
- F. Remove the brake rotor.

Note: To help prevent unnecessary tension on the brake lines MetalCloak recommends using zip ties to help hang the brake caliper.



Section 3: Installation Instructions



Step 2: Remove Factory A-arm

- G. Remove the upper ball joint nut with a 18mm socket and separate the ball joint from the knuckle.
- H. Remove upper A-arm pivot bolt using a 24mm socket and 21mm wrench. **Save Hardware.**
- I. Remove the A-arm.



Section 3: Installation Instructions



Step 3: Install The MetalCloak A-Arms

- J. Install Durotrak spacers into Durotrak bushings in the A arm, with the spacers on the insides face of the joints.
- K. Install the A arm, reusing the factory nut and bolt and tighten the bolt with a 24mm socket and 21mm wrench. Torque to 120lbs/ft.

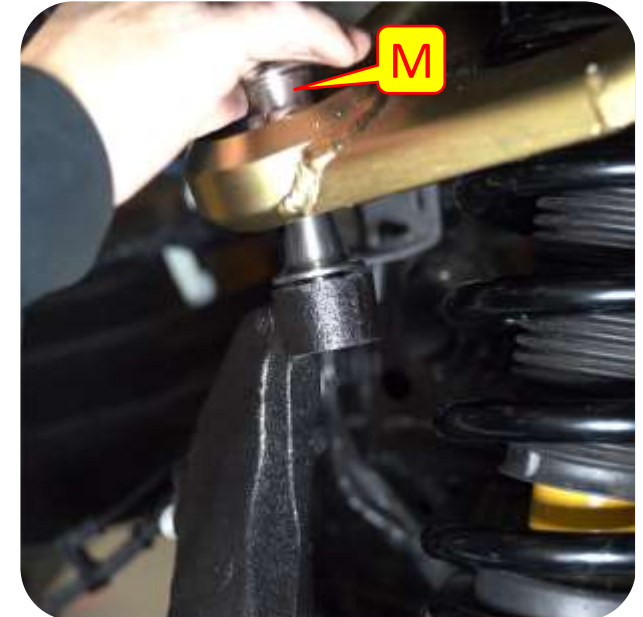


Section 3: Installation Instructions



Step 3: Install The MetalCloak A-Arms

- L. Install the tapered uniball spacer into the knuckle and the uniball.
- M. Install the uniball bolt washer into the top of the uniball
- N. Drop the supplied socket head bolt through the uniball and steering knuckle and secure with the provided nut.
- O. Tighten the bolt with a 12mm allen wrench and 22mm socket. Torque to 50lbs/ft.



Section 3: Installation Instructions



Step 3: Install The MetalCloak A-Arms

- P. Install the O-ring to the A-arm dust cover.
- Q. Using a 4mm allen wrench loosen the A-arm pinch bolts.
- R. Install the A-arm Dust Cover.
- S. Re-tighten the pinch bolts. Torque to 20lbs/ft.



Section 3: Installation Instructions

Step 4: Reinstall Factory Components

T. Install the brake rotor.

U. Using a 18mm socket with a 3in extension re-install the brake caliper bolts.



Section 3: Installation Instructions



Step 4: Reinstall Factory Components

- V. Using a 10mm socket install the wire bracket on the knuckle.
- W. Using an 8mm socket install the sensor retaining bolt.
- X. Make sure all hardware is fully tightened.
- Y. Re-install tire.

