

Installation Instructions



Apollo Front Bumper 2021+ Ford Bronco® S/B78783



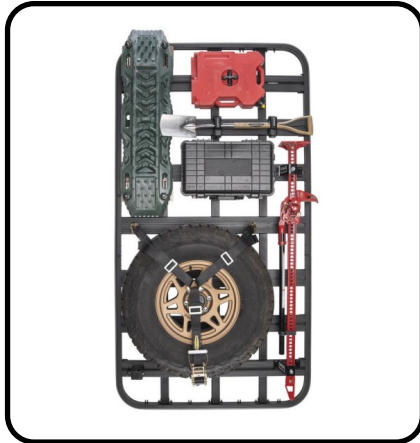
For Technical Support / Warranty Information please call 1-800-776-0767
Smittybilt, 1017 W 600 N, Suite 4, Ogden, UT 84404

Introduction

Thank you for choosing Smittybilt accessories for your Ford Bronco®. If you would like to view our full range of available accessories, please visit us at www.smittybilt.com



Winches



Bronco® Defender Platform Rack



Waypoint® 55L Dual Zone Fridge

Ford® and Bronco® are registered trademarks of Ford Motor Company®

Important Notes Before Starting



IMPORTANT NOTE

Carefully read through this entire instruction manual thoroughly before attempting to install this part. Photos may vary from your vehicle. Installation will remain the same.



IMPORTANT NOTE

The silver plates are customizable and can be painted to match your vehicle as they are shown in this guide.



WARNING

Serious injury can occur when working on vehicles alone.

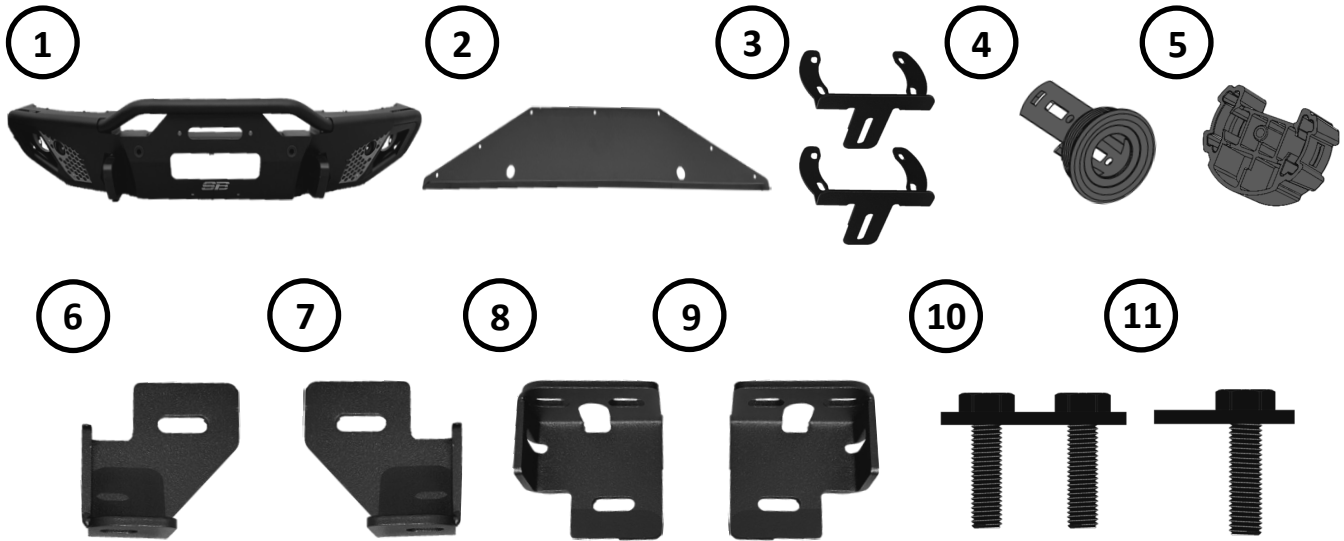
When possible, work with another person to reduce risk of injury from strain or other dangers that can occur when working alone.



For Technical Support / Warranty Information please call 1-800-776-0767
Smittybilt, 1017 W 600 N, Suite 4, Ogden, UT 84404

Box Contents & Technical Information

78783 Box Components



ID	Part Description	QTY
1	Bronco® Apollo Front Bumper	1
2	Skid Plate	1
3	LED Light Mount Kit	2
4	Sensor Mount	4
5	Sensor Retainer	4
6	Driver Brace Bracket (Outer)	1
7	Passenger Brace Bracket (Outer)	1
8	Driver Brace Bracket (Inner)	4
9	Passenger Brace Bracket (Inner)	1
10	Double Bolt Plate	2
11	Single Bolt Plate	2
	Sensor Plugs	4
	Sensor Extension Harness	1
	Half-Circle Sensor Foam	4
	Plastic Clip-on Nut	2

ID	Part Description	QTY
	ST4x15mm Phillips Screw	2
	M12-1.75 Nut	6
	M12 Split Lock Washer	6
	M12 Large O.D. Flat Washer	6
	M10-1.5x110 Hex Bolt	2
	M10-1.5x25 Hex Bolt	2
	M10 Large O.D. Washer	6
	M10 Split Lock Washer	4
	M10-1.5 Nut	2
	M6-1.0x20mm Combo Bolt	7
	M6-1.0 Clip Nut	7
	M4-0.7x15mm Button Head Bolt	8
	M4-0.7 Nylock Nut	8
	M4 Flat Washer	16
	Bolt Plate Plastic Retainers	6

*Hardware not actual size.



For Technical Support / Warranty Information please call 1-800-776-0767
Smittybilt, 1017 W 600 N, Suite 4, Ogden, UT 84404

Installation Instructions: Bronco® Apollo Front Bumper



Step 1:

Park your Bronco® on a flat surface and chock all 4 wheels. Disconnect the negative battery terminal. Remove the factory Front bumper. Be sure to unclip all the sensor wires and fog light wires (if applicable). Do not remove the sensors yet. Retain all the factory hardware.



Step 2:

Carefully release the sensors from the factory retaining brackets. Be sure to note the position and orientation of each sensor.

Note: For vehicles without parking sensors remove the pre-installed (4) Sensor Mounts from the Apollo bumper and install the included sensor plugs. Then skip to Step 5.



Step 3:

Prep each sensor retainer by installing all (4) **Half-Circle Sensor Foam** onto all (4) **Sensor Retainers**.



For Technical Support / Warranty Information please call 1-800-776-0767
Smittybilt, 1017 W 600 N, Suite 4, Ogden, UT 84404

Installation Instructions: Bronco® Apollo Front Bumper



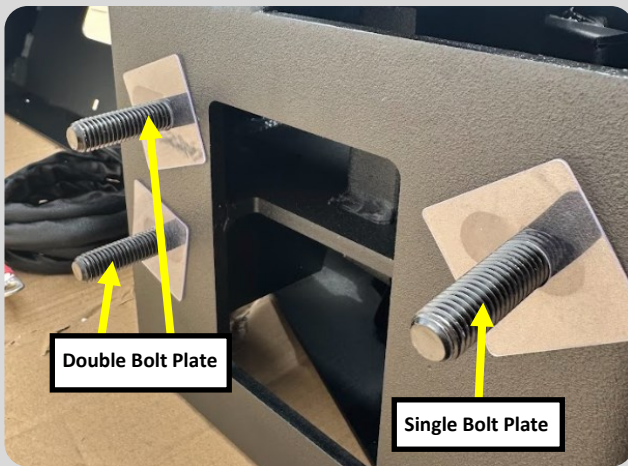
Step 4:

Install all 4 OE parking sensors into the pre-installed (4) **Sensor Mounts** in the Apollo bumper. Be sure the position and orientation is the same as it was in the factory bumper. Install all (4) **Sensor Retainers** by pressing them into place until you hear a click.



Step 5:

If you plan on installing a winch on the bumper it should be done now using the instructions included with the winch.



Step 6:

Install the (2) **Double Bolt Plates** and (2) **Single Bolt Plates** on the bumper. They should be installed from the inside of the bumper so they point towards the vehicle as shown. The **Plastic Bolt Plate Retainers** can be installed to help hold the bolt plates in place.



For Technical Support / Warranty Information please call 1-800-776-0767
Smittybilt, 1017 W 600 N, Suite 4, Ogden, UT 84404

Installation Instructions: Bronco® Apollo Front Bumper



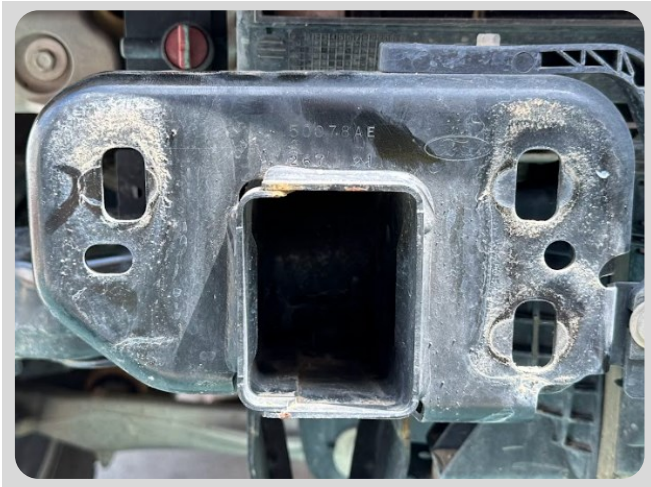
Step 7:

If equipped, remove the factory fog lights from the factory front bumper and install onto the **Apollo Bumper** using the supplied **(8) M4-0.7x15mm Button Head Bolts**, **(16) M4 Flat Washers**, and **(8) M4-0.7 Nylock Nuts**. If your Bronco® did not come with fog lights or you would rather have LED pod lights (sold separately) you can use the included **LED Light Brackets** instead. Install the **LED Light Brackets** to the fog light holes as shown using the supplied **(8) M4-0.7x15mm Button Head Bolts**, **(16) M4 Flat Washers**, and **(8) M4-0.7 Nylock Nuts**.



Step 8:

Install your LED pod lights (sold separately) following the manufacturer's instruction guide.



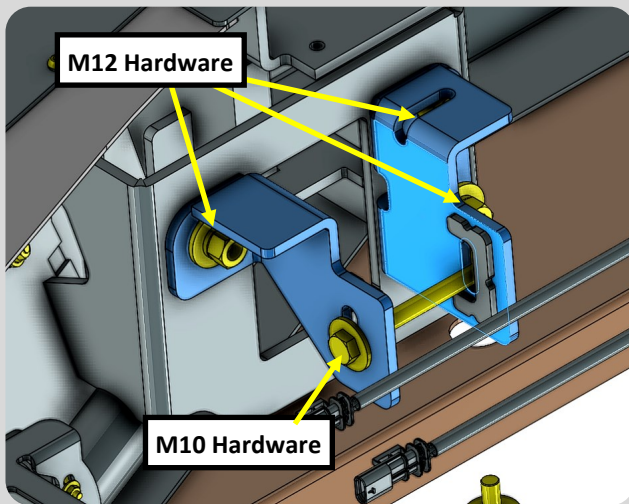
Step 9:

With the assistance of another person, lift the bumper up and into place. Line up the bolt plates previously installed on the bumper with the holes on the frame horns.



For Technical Support / Warranty Information please call 1-800-776-0767
Smittybilt, 1017 W 600 N, Suite 4, Ogden, UT 84404

Installation Instructions: Bronco® Apollo Front Bumper



Step 10:

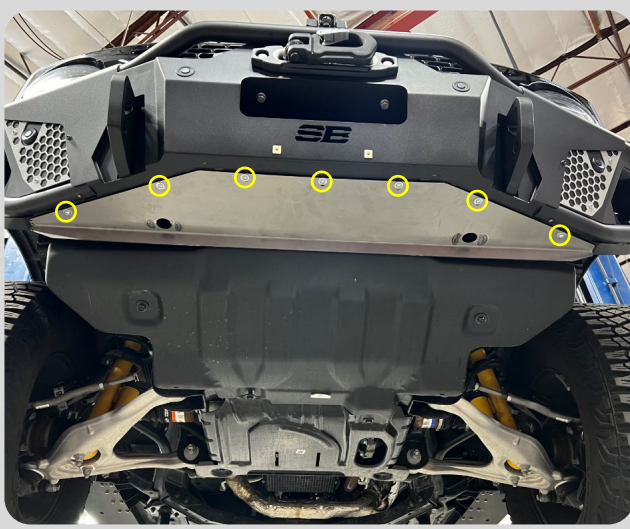
Starting on the driver's side install the **Outer Driver Side Brace** behind the frame horn, then install the **Inner Driver Side Brace**. Next, loosely secure the bolt plates to the frame using (3) **M12 Flat Washers**, (3) **M12 Split Lock Washers**, and (3) **M12 Large O.D. Flat Washers**. Install the (1) **M10-1.5x110mm**, (2) **M10 Flat Washers**, and (1) **M10 Nylock Nut** through the frame rail as shown. Do not tighten the hardware yet. Repeat this step for the passenger side of the vehicle.



Step 11:

Adjust the bumper until happy with the fitment, then tighten the **M10** and **M12** hardware using the chart on **Page 9** of this guide. Then, reconnect all the sensor wires.

Note: A Sensor Extension Harness is included if needed.



Step 12:

Install the **Skid Plate** onto the bumper as shown using the supplied (7) **M6-1.0 Clip Nut** and (7) **M6-1.0x20mm Combo Bolts**. Torque this hardware using the chart on **Page 9** of this guide.



For Technical Support / Warranty Information please call 1-800-776-0767
Smittybilt, 1017 W 600 N, Suite 4, Ogden, UT 84404

Installation Instructions: Bronco® Apollo Front Bumper



Step 13:

Reinstall your vehicle's front license plate (if applicable) using the supplied (2) **Plastic Clip-on Nut** and (2) **ST4x15mm Phillips Screw**.



Step 14:

Be sure to tighten any loose hardware. Installation is now complete.

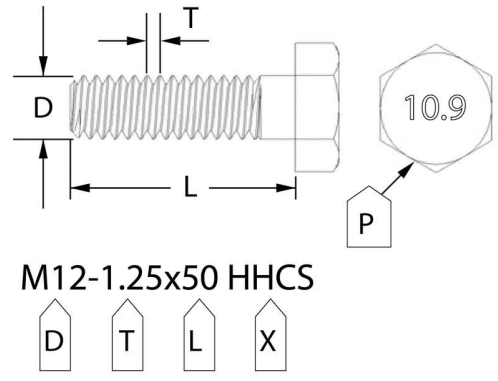
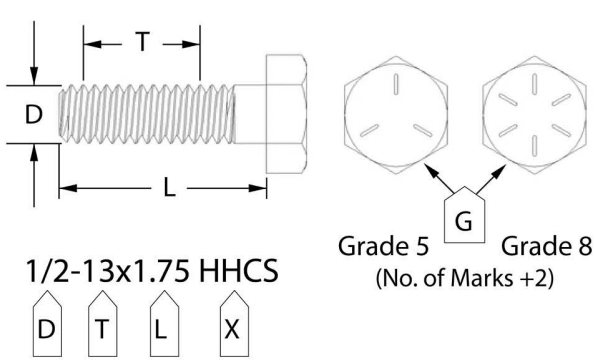


For Technical Support / Warranty Information please call 1-800-776-0767
Smittybilt, 1017 W 600 N, Suite 4, Ogden, UT 84404

Bolt Torque Specifications

Use this only as a guide for hardware without a called out torque specification in the instruction manual.

Bolt Torque and ID						
Decimal System			Metric System			
<i>All Torques in Ft. Lbs. Maximums</i>						
Bolt Size	Grade 5	Grade 8	Bolt Size	Class 9.8	Class 10.9	Class 12.9
5/16	15	20	M6	5	9	12
3/8	30	45	M8	18	23	27
7/16	45	60	M10	32	45	50
1/2	65	90	M12	55	75	90
9/16	95	130	M14	85	120	145
5/8	135	175	M16	130	165	210
3/4	185	280	M18	170	240	290



G= Grade (Bolt Strength)
 D= Nominal Diameter (Inches)
 T= Thread Count (Threads per Inch)
 L= Length (Inches)
 X= Description (Hex Head Cap Screw)

P= Property Class (Bolt Strength)
 D= Nominal Diameter (Millimeters)
 T= Thread Pitch (Thread Width, mm)
 L= Length (Millimeters)
 X= Description (Hex Head Cap Screw)



For Technical Support / Warranty Information please call 1-800-776-0767
 Smittybilt, 1017 W 600 N, Suite 4, Ogden, UT 84404

Notes and Disclaimers

Product cleaning and maintenance instructions

Stainless Steel Finish – Aluminum polish may be used to polish small scratches and scuffs on the finish. Mild soap, window or glass cleaner may be used to clean the finish. Dual state powder coat finish – Mild soap, window or glass cleaner may be used to clean the finish. In order to protect the finish, you may wax your product on a regular basis with pure carnauba automotive wax. Do not use any types of soap, polish or wax that contains abrasive that could damage the finish. Textured coated finishes should be cleaned with a mild soap on a damp sponge. Do not apply polish or wax that requires to be removed by means of buffing. This type of wax is commonly used at car wash facilities. Chrome Finish – Mild soap, window or glass cleaner may be used to clean the finish. In order to protect the finish, you should wax your product on a regular basis with pure carnauba automotive wax. Do not use any types of soap, polish or wax that contains abrasive that could damage the finish.

SMITTYBILT ADVANTAGE WARRANTY

LIMITED-LIFETIME WARRANTY FOR STRUCTURAL COMPONENTS

5-YEAR FINISH WARRANTY

Smittybilt Automotive Products, LLC (SAP) warrants to the original purchaser that (a) the physical components (e.g., metal components, welds, etc.) of any SAP **Bronco® Apollo Front Bumper** will be free of defects in material and workmanship for the lifetime of the product from the date of purchase of the bumper, and (b) the finish will be free of defects in material and workmanship for a period of 5-years from the original date of purchase. This warranty applies only to the original purchaser of the bumper and is non-transferable. To obtain any warranty service, you must provide SAP with a proof of purchase and date of purchase that is acceptable to SAP, such as a copy of your purchase receipt.

This warranty does not cover labor or part replacement of the bumper. SAP will, at its sole discretion, provide replacement part (s) for a defective bumper or component, provided this is done within the warranty period. To request assistance under warranty, one must call or email using the phone number or email at the bottom of this page. This warranty does not apply (1) wearables components; or (2) if the bumper has been damaged, including, but not limited to: abuse, misuse, collision, modification, misapplication, improper installation, or improper service. This warranty is void if any SAP serial number has been removed or defaced; or if the bumper is used for any commercial, industrial, or rental applications. This warranty only applies to bumpers bought, sold, and used within the United States or Canada unless otherwise specifically agreed in writing by SAP.

THE WARRANTY SET FORTH ABOVE IS THE ONLY WARRANTY. THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ANY IMPLIED WARRANTY WHICH BY LAW MAY NOT BE EXCLUDED IS LIMITED TO A DURATION OF ONE (1) YEAR FROM THE DATE OF ORIGINAL RETAIL PURCHASE OF THE PRODUCT. No SAP dealer, agent, or employee is authorized to make any modification, extension or addition to this warranty. SAP SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, DOWN TIME OR LOSS OF USE) UNDER ANY LEGAL THEORY, EVEN IF SAP WAS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Some states do not allow the exclusion of implied warranties or the exclusion or limitation of liability for incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitation or exclusion may not apply to you. This Warranty gives you specific legal rights. You may also have other rights that vary from state to state. SAP reserves the right to change product design without notice. In situations in which SAP has changed a product design, SAP shall have no obligation to upgrade or otherwise modify previously manufactured products. For warranty inquiries contact SAP at:

Smittybilt Automotive Products, LLC

Customer Service Department

Call 1-800-776-0767 or Email info@smittybilt.com



WARNING: Cancer and Reproductive Harm
www.P65Warnings.ca.gov



For Technical Support / Warranty Information please call 1-800-776-0767
Smittybilt, 1017 W 600 N, Suite 4, Ogden, UT 84404