

Installation Instructions



Ford Bronco Winch Cradle
Part # S/B61368W



For Technical Support / Warranty Information please call 800-776-0767
or Email info@smittybilt.com

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



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Important Notes Before Starting

! IMPORTANT NOTE

Carefully read through this entire instruction manual thoroughly before attempting to install this part.

The following tools will be required to complete the installation of this part:

TOOLS REQUIRED	
Metric Socket Wrench Set	Torque Wrench
4mm Hex Bit Socket	Masking tape
Socket Extension	Medium Strength Threadlocker

! 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.



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Box Contents



*Pre-production part shown, production part may vary from images

S/B61368W BOX CONTENTS

ITEM NO.	PART NO.	DESCRIPTION	QTY
1	84-12346	FRONT BUMPER WINCH CRADLE	1

Hardware Packs

90-60819 HARDWARE PACK 1 CONTENTS

QTY	PART NO.	DESCRIPTION
2	35-SB1004AS211	M10X1.5X35 FLANGE HEAD HHCS GR 10.9 CZ
4	12C50HCS1Z	M12X1.75X50 HHCS GR. 10.9 CZ
4	22UH22	M12 FLAT WSHR DIN125-1A CZ

90-60821 HARDWARE PACK 2 CONTENTS

QTY	PART NO.	DESCRIPTION
2	35-44194	M10X1.5 TAPPED T NUT

90-60832 WINCH MOUNTING HARDWARE

QTY	PART NO.	DESCRIPTION
4	22UH22	M12 FLAT WSHR DIN125-1A CZ
4	42GH78	M12X1.75 NYLOCK GR10.9 CZ



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Hardware Packs

90-60842 BEZEL MOUNTING PLATE RIVET PACK

QTY	PART NO.	DESCRIPTION
4	MA-SB44BL	1/8 ZINC PLATED RIVET .188-.25" MATERIAL THKN

90-60836 FRONT BUMPER HARNESS EXTENSION PACK

QTY	PART NO.	DESCRIPTION
2	90-44208	FORD SENSOR EXTENSION HARNESS

90-60839 BEZEL MOUNTING PLATES

QTY	PART NO.	DESCRIPTION
2	84-12437	WINCH CRADLE BLOCK OFF PLATE
1	84-12436	BEZEL MOUNTING PLATE PASS
1	84-12435	BEZEL MOUNTING PLATE DRV

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IMPORTANT NOTE

Read Winch instructions prior to installation or go to your nearest Smittybilt retailer for installation. Read this entire instruction manual before commencing install.

WARNING

Chock all four wheels and make sure parking brake is engaged before starting this install. Failure to do so could result in serious injury.

IMPORTANT NOTE

Bumper must be off the vehicle for winch cradle installation.

Step 1: Check Box Contents

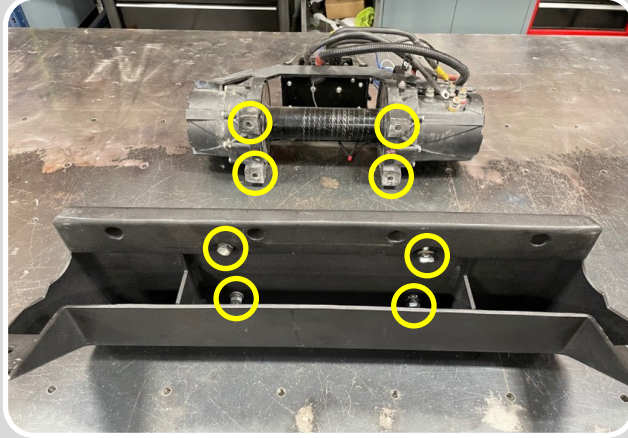
Open the box containing your Ford Bronco Winch Cradle, check all parts against the Bill of Materials outlined in the first page of these instructions.

If anything is missing, contact Smittybilt Technical Support immediately.



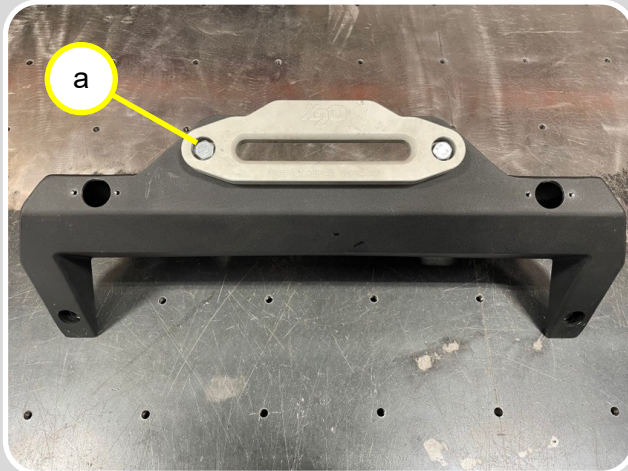
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Step 2: Bolt Winch to Winch Cradle

Bolt winch to PN: 84-12346 (Front Bumper Winch Cradle) using the hardware provided with your winch.



Step 3: Install Fairlead

Install Fairlead (a) onto winch cradle using hardware provided with your winch.



IMPORTANT NOTE

For vehicles equipped with front parking sensors continue with Step 4, otherwise skip to Step 10.

*Pre-production part shown, production part may vary from images.

TOOLS REQUIRED

Hardware Pack 90-60842

Hardware Pack 90-60836

Hardware Pack 90-60839

OE Sensor Bezels (Remove from OE bumper. If unavailable use part number's below to purchase.)

PN: M2DZ-15A862-MC (PASS) M2DZ-15A862-MB (DRV) STEEL BUMPER

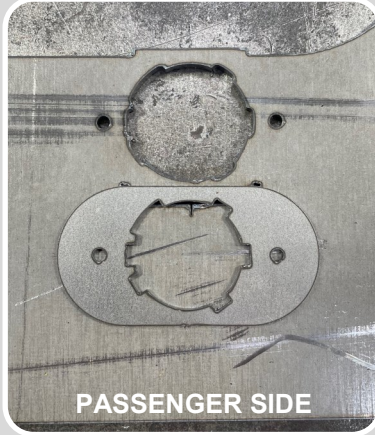
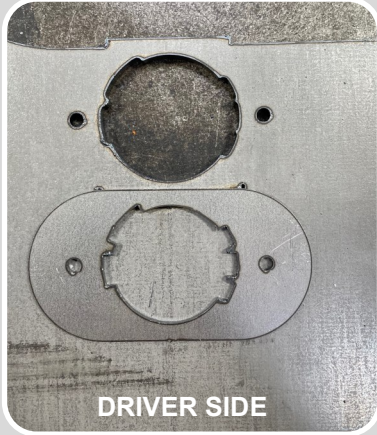
PN: M2DZ-15A862-AD (DRV) M2DZ-15A862-AA (PASS) PLASTIC BUMPER

Riveting tool with 1/8 rivet nozzle attachment.



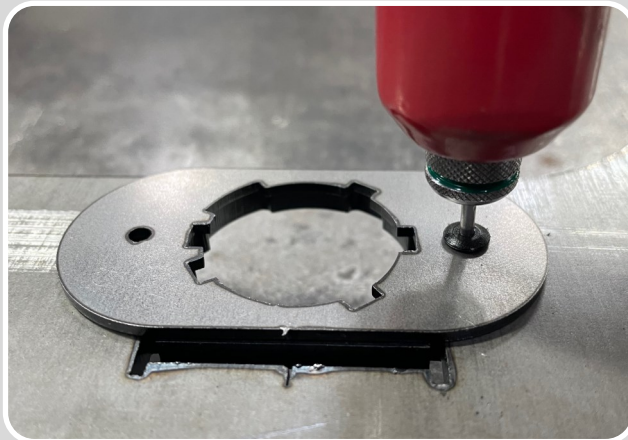
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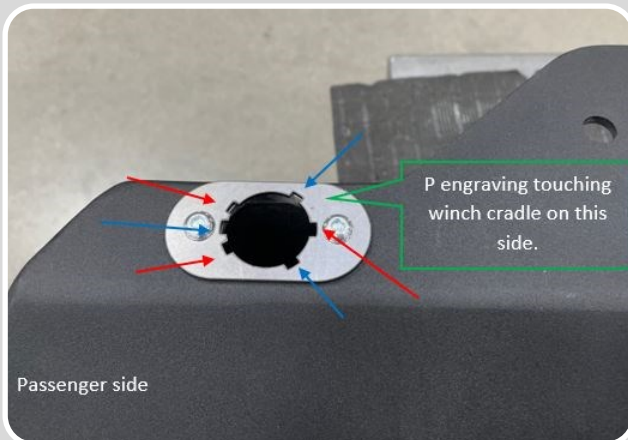
Step 4: Match Cut Outs

Match up bezel plates with winch cradle cut outs.



Step 5: Install Plates

Install plates using rivets found in **hardware pack 90-60842**.



Step 6: Install OE Bezels

Install OE bezels such that their position and orientation are identical to OE.

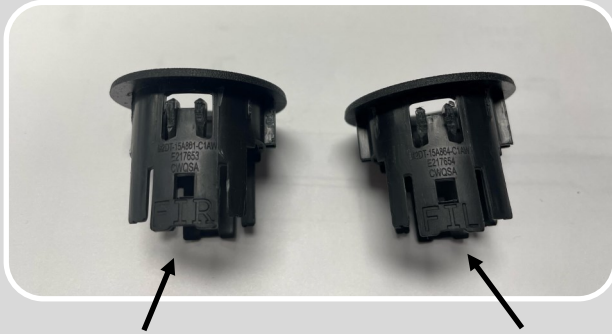
Note: The bezel has a three letter identifier on the side that should be facing towards the ground after install.



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Step 6: (Cont'd)



Bezel can be identified by markings:
FIR: Front Inner Right (Passenger Side)

Bezel can be identified by markings:
FIL: Front Inner Left (Driver Side)



Step 7: Plug in sensors to wire harness extension 2X.

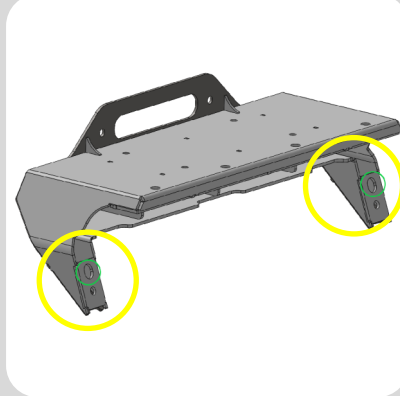


Step 8: Install OE parking sensors into new location



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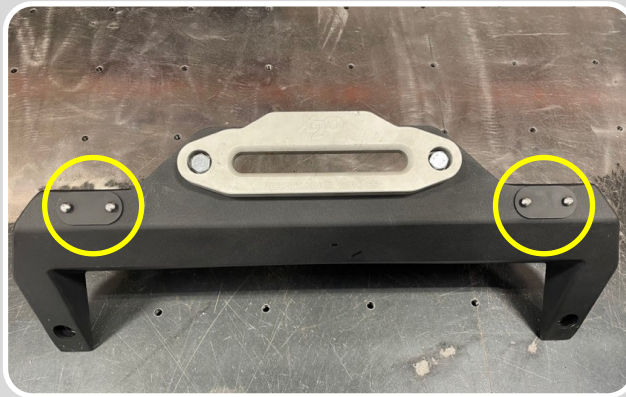
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Step 9: Route cable

Route cable through slots in the bottom of the winch cradle.

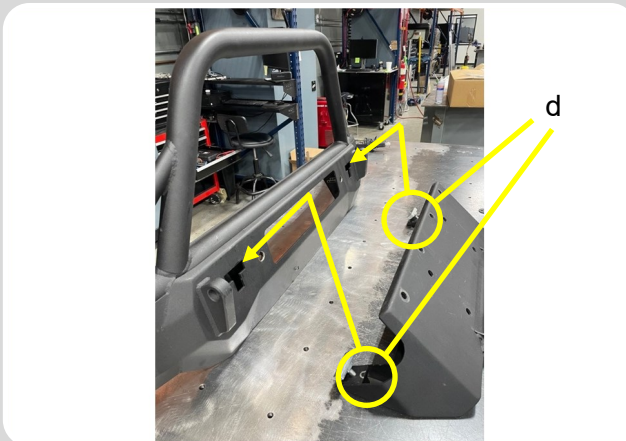
Ensure harness extension is not caught/pinched by any components before fully tightening bolts.



Step 10: Install sensor block off plates

Using 4X M6X1X8MM BHCS from 90-60834 install 2X PN: 84-12437 at the designated locations.

(Skip this step if your vehicle is equipped with parking sensors).



Step 11: Install Winch Cradle to Bumper

! IMPORTANT NOTE

This step will require 2 people to complete.

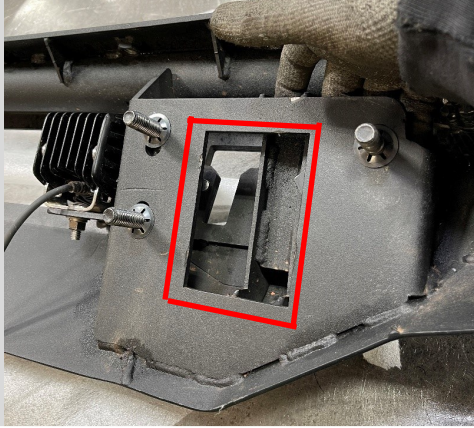
Do not pre-install T-nuts onto lower mounts.

Hang the bumper using 4X M12x1.75x50mm HHCS GR.10.9 CZ & 4X M12 FLAT WSHR CZ with 4X M12 NYLOCKS GR.10.9 and 4X M12 OVERSIZED FLAT WSHR for the mounting holes at the rear of the winch cradle (e). Leave loose for now.



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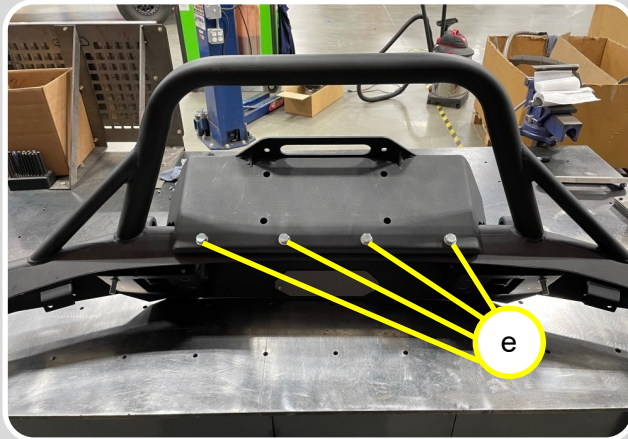
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Step 12: Install T-nuts

Install 2X T-nuts (35-44194) at the lower mounting locations using 2X M10 Flange head bolts.

Note: Use the large cutout at the rear of the bumper's mounting location.



Step 13: Tighten Hardware

Tighten down all hardware and torque to spec.

We highly recommend using medium strength threadlocker for all bolts during installation. (It is recommended that you tape along Bottom side of OE grille to avoid paint damage).



Step 14: Complete Installation

Torque and tighten all bolts according to specifications. **The installation is now complete.**



IMPORTANT NOTE

Refer to chart on page 9 of these instructions for torque specifications.

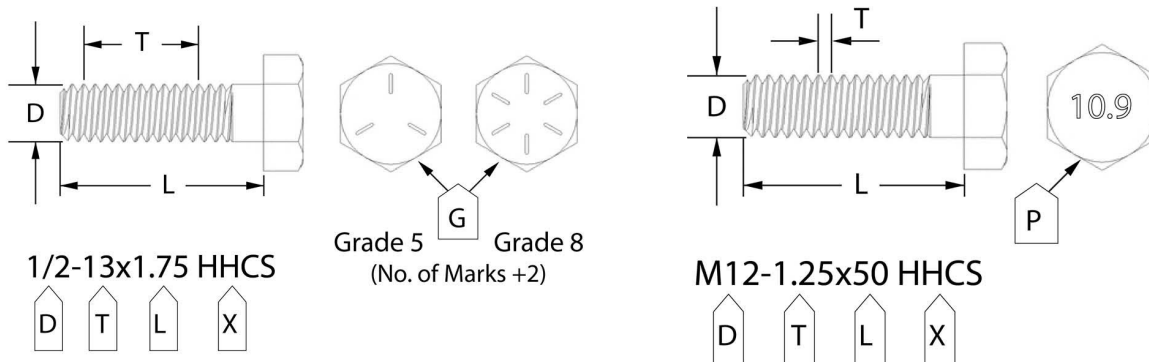


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Bolt Torque Specifications

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)



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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 was 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 was 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 was that contains abrasive that could damage the finish.

Limited Warranties

Smittybilt's products are covered under the following limited warranties only. Note that the duration of the limited warranty differs according to the material and finish of the product purchased. Subject to the duration and conditions of the limited warranty stated below, Smittybilt warrants to the original retail purchaser that its products are free from defects in material and workmanship. All other warranties and representations express or implied, are hereby disclaimed, including fitness for merchantability and buyer's intended use or purpose. All parts are sold "AS IS" except for the limited warranties granted herein. Buyer assumes all risks as to the selection, suitability and performance of all goods and products selected. This limited warranty does not cover damage or impairment in any part due to misuse, improper installation, accident or contact with on-road or off-road hazards, product modification, improper or inadequate cleaning and/or maintenance. Smittybilt is not responsible for items damaged during shipping. This warranty is not transferable from the original buyer. For the original Buyer to be eligible for the limited warranty coverage, the Buyer must provide proof of purchase. Smittybilt strongly recommends returning the warranty registration card. Customer's remedy hereunder shall be limited only to repair or replacement (at Smittybilt's option) of any defective part(s) returned to Smittybilt at customer's expense. The determination of whether or not a returned part is defective or subject to coverage under the limited warranties stated herein shall be made at Smittybilt's sole discretion. To assure product quality, Smittybilt reserves the right to change product design, material, specification and finishes without prior notice to customers. This limited warranty gives you specific legal rights and you may also have other rights, which may vary from state to state. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply as to you. Also, some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. Smittybilt reserves the right to discontinue product lines and substitute products or provide other remedies than those listed in this limited warranty for those discontinued products.

Warning

Rollover and other types of vehicle accidents may result in serious injury or death to you, your passengers and others sharing the road. Smittybilt accessories are decorative and are not intended to reduce or avoid injury or damage in the event of an accident. The weight and location of Smittybilt accessories may affect your vehicles' handling, stability and performance, creating an increased risk of accident or rollover. Before installing any accessory, check state laws and assure that the accessory will not obscure any lights or interfere with proper operation on your vehicle's safety equipment. Consult your owner's manual and the Smittybilt instructions, or additional safety information. Smittybilt products, nor the warnings contained herein, are not a substitute for your safe driving. Don't drink and drive, always use seat belts and don't drive faster than conditions permit.



WARNING: Cancer and Reproductive Harm
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