

## Installation Instructions



Ford Bronco Tire Relocation Bracket  
Part # S/B61968W



For Technical Support / Warranty Information please call 800-776-0767 EXT 1317  
or Email [info@smittybilt.com](mailto: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](http://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	
OE Tire Removal Key	Torque Wrench
Socket Wrench	Phillips Head Screwdriver
Plastic Pry Bar	Medium Strength Threadlocker
13mm Deep Socket	

### ! 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



### S/B61968W BOX CONTENTS

ITEM NO.	PART NO.	DESCRIPTION	QTY
a	84-12248	TIRE RELOCATION BRACKET ASSEMBLY	1
b	84-12255	TIRE RELOCATION BRACKET WING	2
c	90-60805	TIRE RELOCATION BRACKET HARDWARE PACK	1

## Hardware



### 90-60805 TIRE RELOCATION BRACKET HARDWARE PACK CONTENTS

QTY	PART NO.	DESCRIPTION
8	95735A425	M8X1.25X25 FLANGE HEAD SCREW GR10.9 CZ
4	22TN41	M8X1.25X20 HHCS GR10.9 YZ
2	85985K120	1/4" LOCKING PANEL PLUG
4	91166A270	M8 FLAT WASHER CZ



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## Installation Instructions: Getting Started

### ! IMPORTANT NOTE

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



### 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.



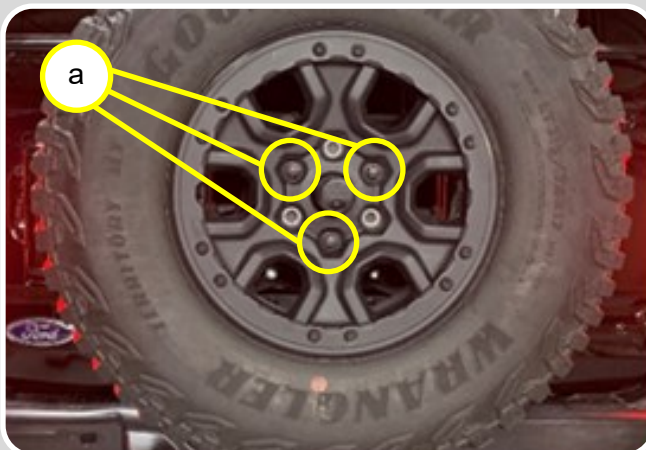
#### Step 1: Remove Battery Terminals

Remove both terminals from the battery to protect sensors and wire harness during install.

#### Step 2: Check Box Contents

Open the box containing your Ford Bronco Tire Relocation Bracket, check all parts against the Bill of Materials outlined in the first pages of these instructions.

**If anything is missing, contact Smittybilt Technical Support immediately.**



#### Step 3: Remove Lug Nuts & OE Spare Tire

Remove 3X lug nuts *shown at (a)* from spare tire with the **OE Tire Removal Key** and **Socket Wrench**. Remove Tire.



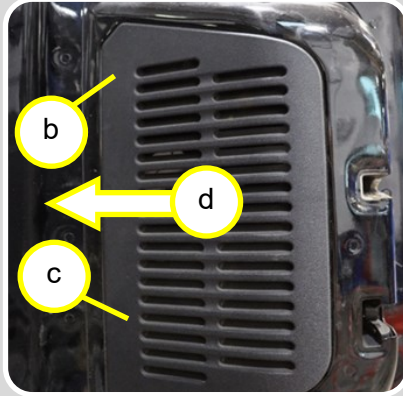
### IMPORTANT NOTE

Two people are recommended to lift tire from spare tire mount. Retain tire and lug nuts for reinstallation (Step 17).



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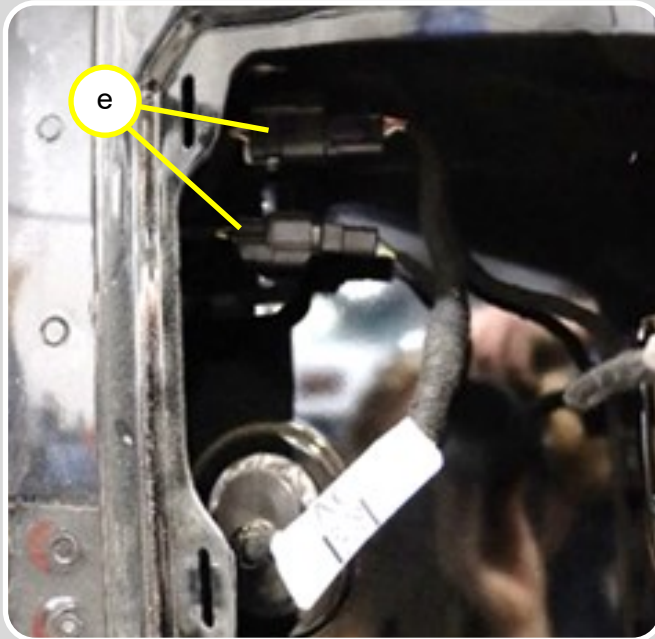
## Installation Instructions: Tailgate Cover



### Step 4: Remove Plastic Cover

Remove interior tailgate plastic cover by using the Plastic Pry Bar to open left side of cover, prying at locations shown at (b) & (c).

Once clips are released, slide cover over to the left to remove it (d).



### Step 5: Unplug Wiring Plugs

Unplug 2X OE wiring plugs (e). Locate retaining tab on connector and press to release.

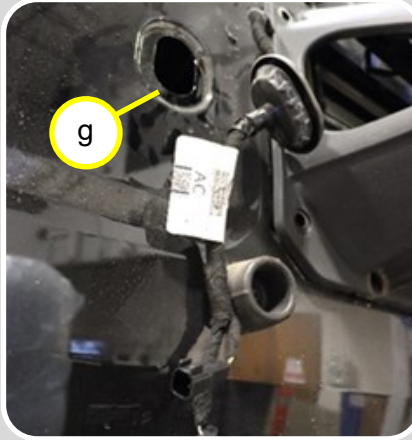
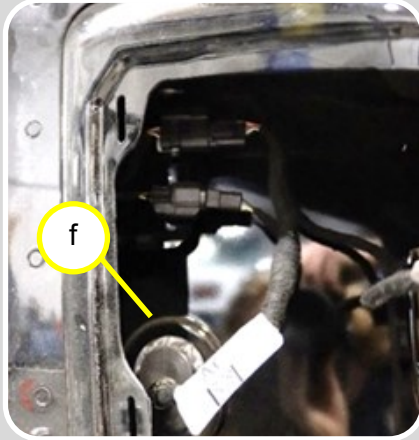


Pull outwards to disconnect plug.



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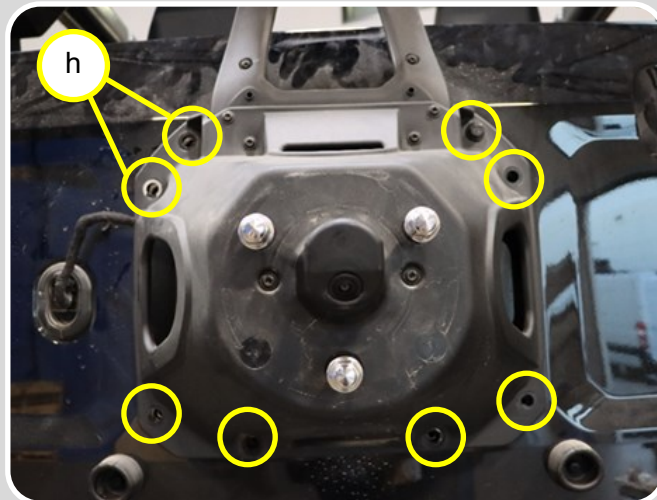
## Installation Instructions: Tailgate Cover



### Step 6: Remove Wire Harness

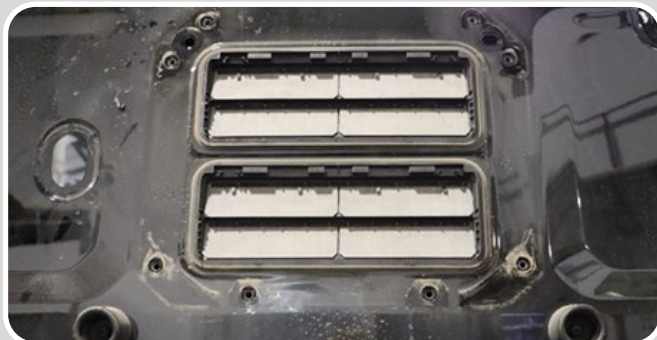
Remove wire harness by pushing out rubber grommet from tailgate hole. Carefully pull wire harness out through tailgate towards spare tire mount (g).

## Installation Instructions: Spare Tire Mount



### Step 7: Remove OE Spare Tire Mount

Use a **13mm Deep Socket** and **Socket Wrench** to remove 8X bolts (h).



Carefully remove spare tire mount and keep wire harness protected during removal.

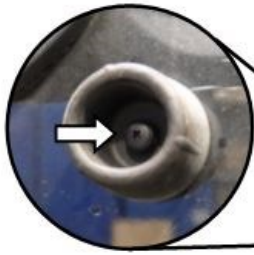
### ! IMPORTANT NOTE

Retain 8X bolts for use in Step 9.



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## Installation Instructions: Spare Tire Mount



### Step 8: Remove Bumpers

Remove rubber bumpers from tailgate using a **Phillips Head Screwdriver** to first loosen screws.

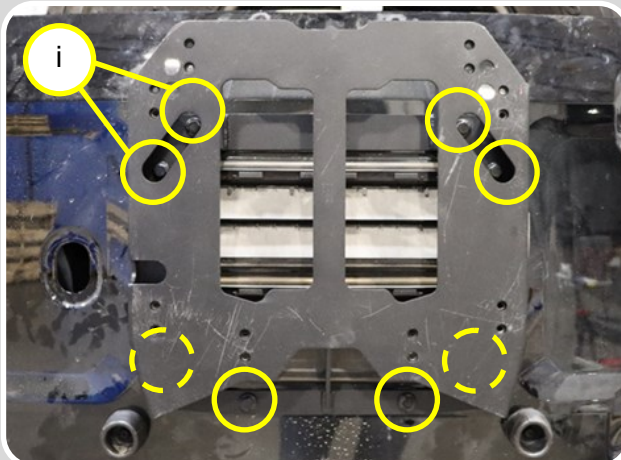


Pull rubber bumpers out from tailgate.

Replace hole in tailgate with provided plugs.

### ! IMPORTANT

Retain rubber bumpers for future use in Step 11.



### Step 9: Install Tire Relocation Bracket (PM:84-12248)

Use 8X OE M8 bolts removed in Step 7. Apply **Threadlocker** to 8X bolts. Use a **13mm Deep Socket, Socket Wrench, and Torque Wrench** for proper mounting.

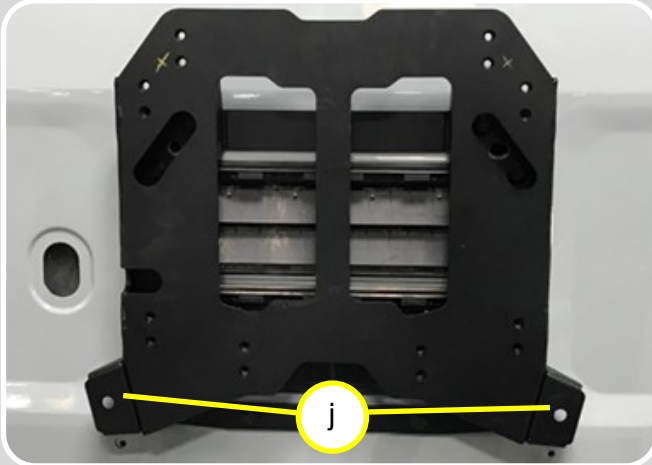
### ! IMPORTANT NOTE

Refer to chart on page 12 of instructions for torque specifications.



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## Installation Instructions: Spare Tire Mount

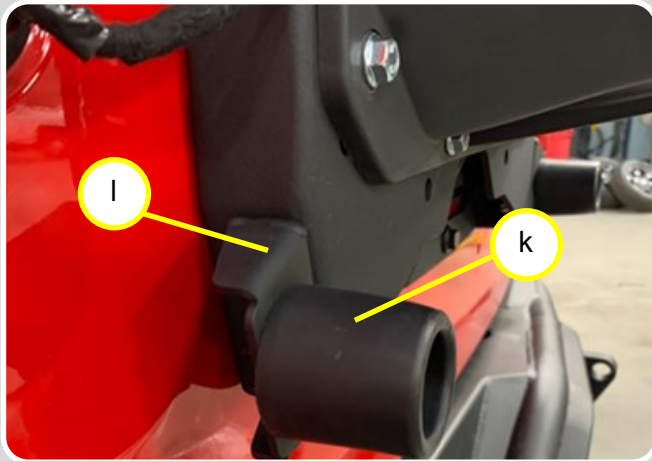


### Step 10: Install Bracket Wings

Install 2X PN: **84-12255 (Tire Relocation Bracket Wing)**, shown at (j) using provided 4X M8X20mm Hex Head Bolts and 4X M8 Flat Washers.

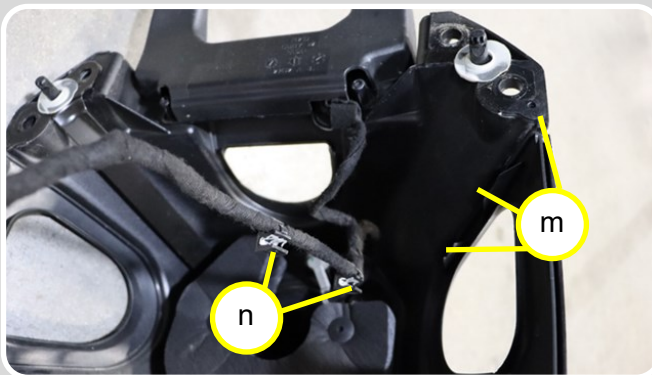
### ! IMPORTANT NOTE

Loosely install so wings can be adjusted after tire is installed.



### Step 11: Install Rubber Bumpers

Install OE rubber bumpers which were removed in Step 8. Insert a Rubber bumper (k) on each PN: **84-12255 (Tire Relocation Bracket Wing)** (l). Using a Phillips Head Screwdriver, tighten each screw to secure bumper to wing.



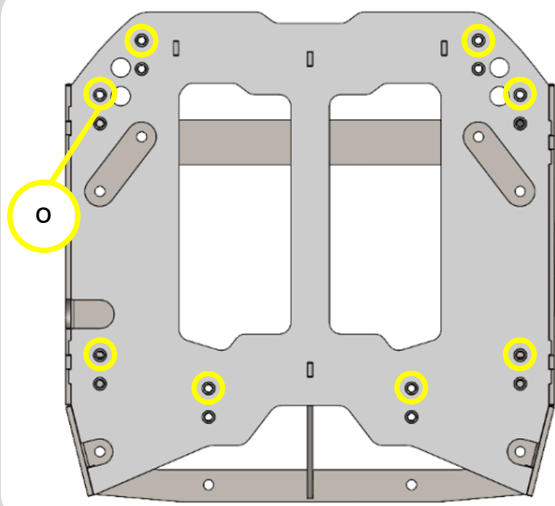
### Step 12: Remove Wire Harness

Unclip wire harness from OE tire carrier clips in 3 locations shown at (m). Pull to remove (it will now look like (n)).



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## Installation Instructions: Spare Tire Mount

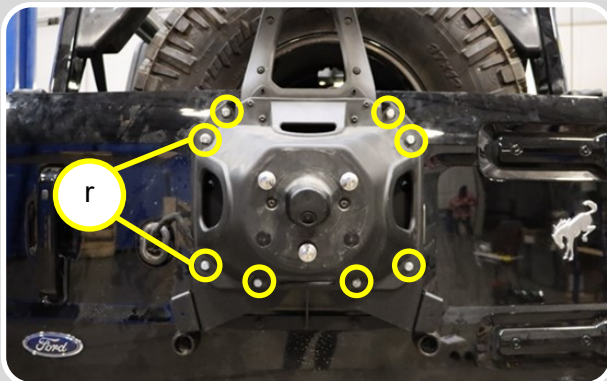
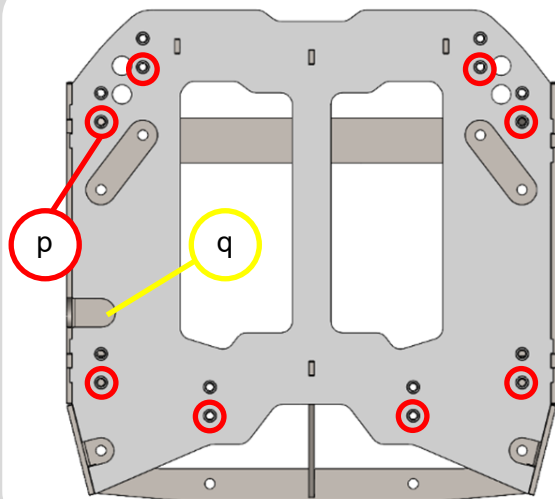


### Step 13: Install OE Tire Mount

Install OE Tire Mount onto **PN: 84-12248 (Tire Relocation Bracket)**. Depending on tire size and preferred clearance, choose Higher Position (*o*) or Lower Position (*p*).

Ensure all holes align with the selected position. Ensure wire harness exits OE Tire Mount through provided pocket (*q*) before securing bolts.

**NOTE:** Suggested mounting position is the Lower Position (unless clearance is absolutely needed then proceed to high position).



Apply **Threadlocker** to 8X provided M8 Flange Head Bolts.  
Use a **13mm Deep Socket, Socket Wrench,** and **Torque Wrench** for proper mounting (*r*).

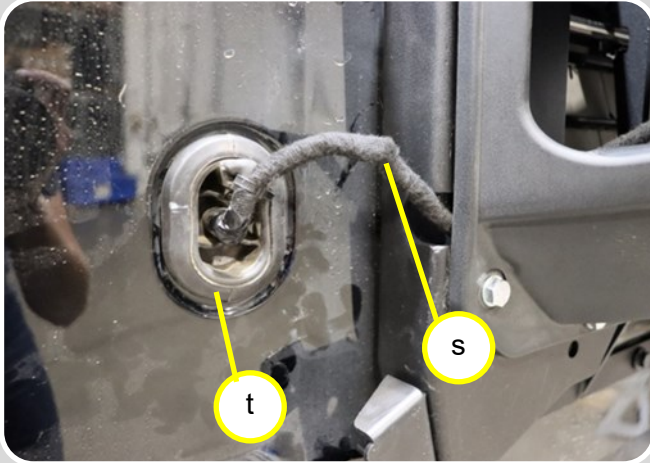
### ! IMPORTANT NOTE

Refer to chart on page 12 of instructions for torque specifications.



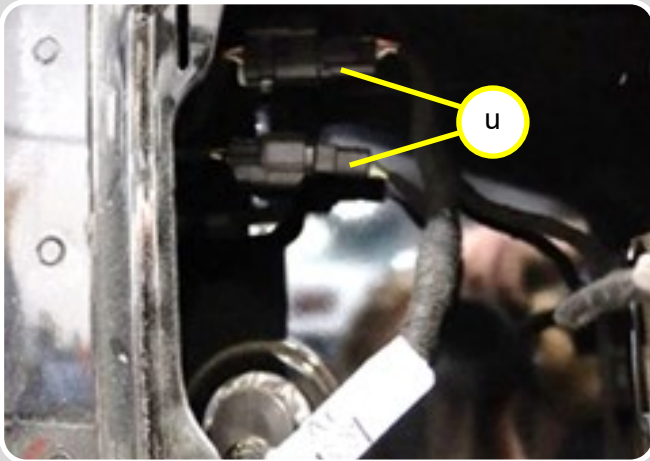
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## Installation Instructions: Tailgate Cover



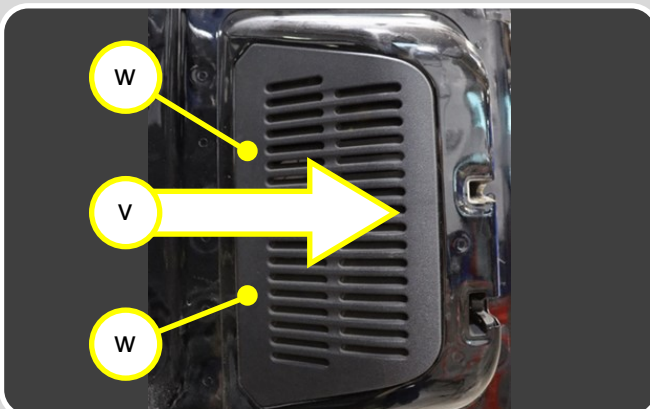
### Step 14: Reinstall Wire Harness

Reinstall wire harness (*s*) in tailgate by pushing rubber grommet (*t*) back into tailgate.



### Step 15: Replace Plugs

Reconnect the electrical plugs removed in Step 5 from inside tailgate (*u*).



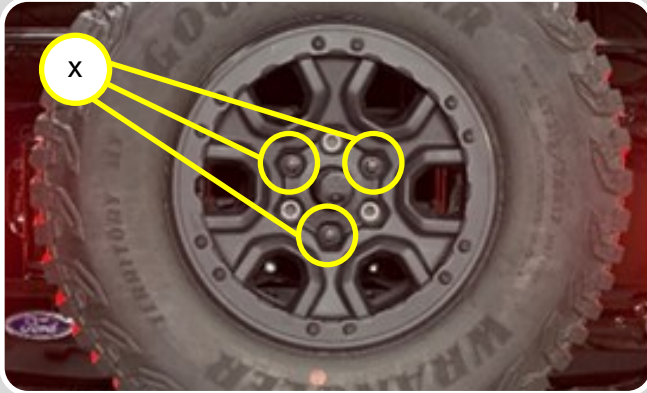
### Step 16: Reinstall Plastic Cover

Reinstall interior tailgate plastic cover. Slide right edge in (*v*), then push in two designated locations to install (*w*).



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## Installation Instructions: Tailgate Cover



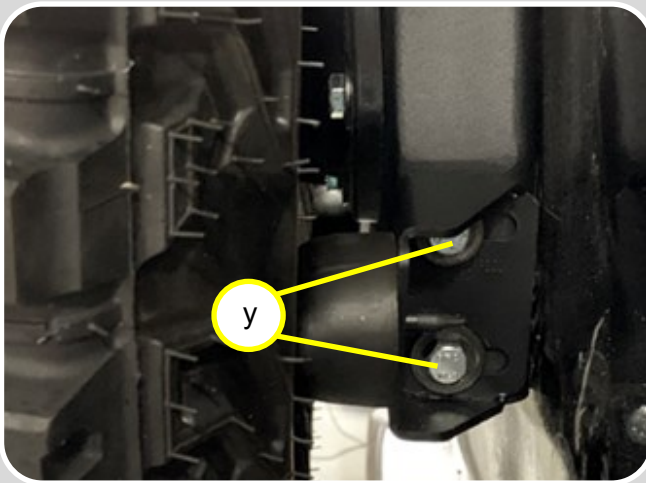
### Step 17: Install Spare Tire Loosely

Install tire onto tire carrier loosely.

#### ! IMPORTANT NOTE

It is recommended to use 2 people to lift the tire on to the OE spare tire carrier.

Loosely thread on lug nuts (x) to keep tire from moving.



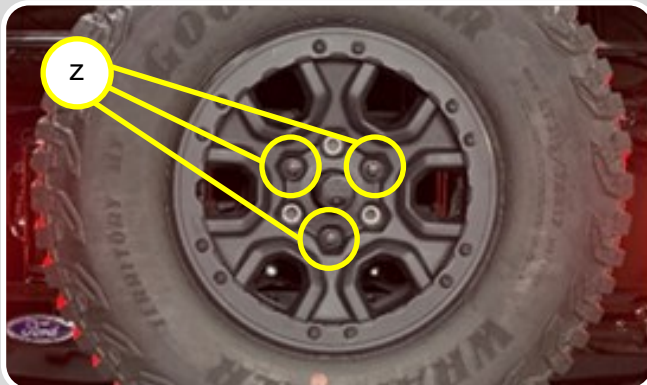
### Step 18: Adjust Wing/s

Adjust **PN: 84-12255 (Tire Relocation Bracket Wing)** to apply pressure to tire with rubber bumpers. Once satisfied with wing position, apply **threadlocker** to bolts (y) and torque.

Use a **13mm Deep Socket, Socket Wrench, and Torque Wrench** for proper mounting. It is recommended to remove tire to torque wing bolts, then replace afterwards.

#### ! IMPORTANT NOTE

Refer to chart on page 12 of instructions for torque specifications.



### Step 19: Tighten Lug Nuts

Tighten the 3X lug nuts holding the spare tire (Z). Use **OE Tire Removal Key and Torque Wrench** for proper mounting.

#### ! IMPORTANT NOTE

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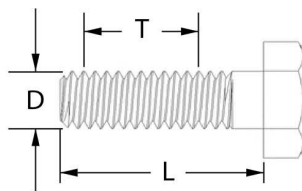


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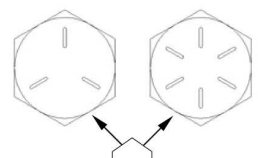
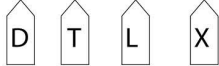
# Bolt Torque Specifications

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

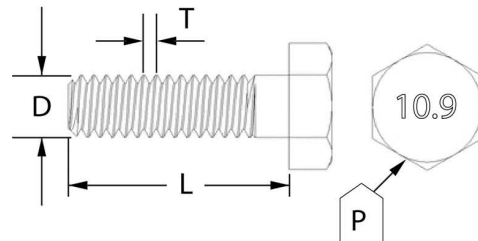
Bolt Torque and ID						
Decimal System			Metric System			
All Torques in Ft. Lbs. Maximums						
Bolt Size	Grade 5	Grade 8	Bolt Size	Class 9.8	Class 10.9	Class 12.9
5/16	15	20	M6	5	9	12
3/8	30	45	M8	18	23	27
7/16	45	60	M10	32	45	50
1/2	65	90	M12	55	75	90
9/16	95	130	M14	85	120	145
5/8	135	175	M16	130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



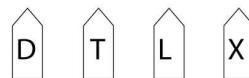
1/2-13x1.75 HHCS



Grade 5 Grade 8  
(No. of Marks +2)



M12-1.25x50 HHCS



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 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.

### 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**  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



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