

Installation Instructions



Universal Tire Carrier Universal Applications S/B8800



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 vehicle. If you would like to view our full range of available accessories, please visit us at www.smittybilt.com



Winches



Defender Platform Roof Rack Kit



Waypoint® 55L Dual Zone Fridge

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

Cutting the OE bumper is required to install this bumper. Always use proper safety glasses and PPE. Failure to do so may result in injury.



WARNING

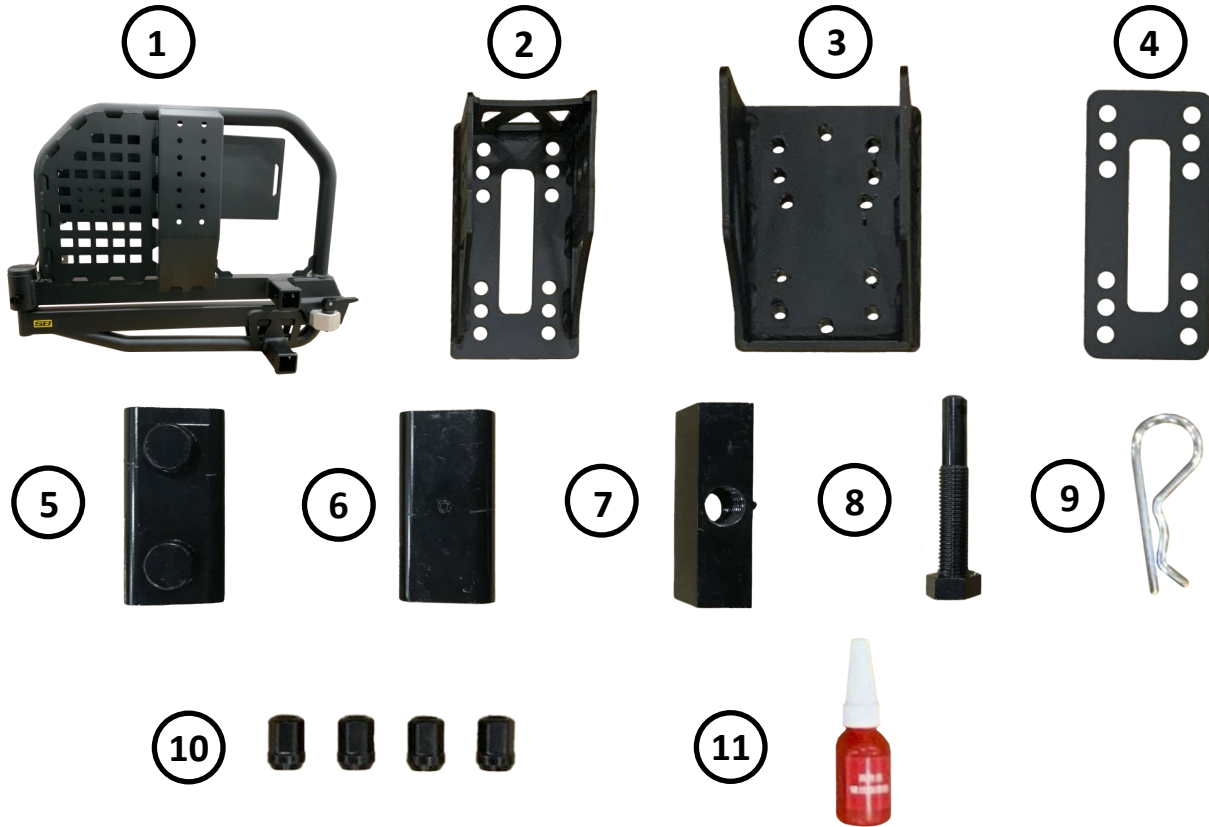
Serious injury can occur when working on vehicles alone.

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 & Technical Information



ID	Part Description	QTY
1	Swingout Tire Carrier	1
2	Tire Mounting Plate A	1
3	Tire Mounting Plate B	1
4	Tire Mount Backing Plate	1
5	Upper Hitch Wedge	1
6	Lower Hitch Wedge	1
7	Middle Hitch Wedge	1
8	Hitch Pin Bolt	1
9	Hitch Pin Clip	1
10	M12-1.5 Open End Lug Nut	4
11	Thread Lock	1

ID	Hardware Pack	QTY
	M12-1.5mm x 60mm Hex Head Bolt	4
	M12-1.5mm x 35mm Hex Head Bolt	4
	M12 Flat Washer	8
	M12-1.5mm Nylon Locking Nut	4
	M10-1.5mm x 30mm Hex Head	4
	M10 Flat Washer	8
	M10-1.5mm Nylon Locking Nut	4



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*Hardware not actual size.

Installation Instructions: Universal Tire Carrier



Step 1:

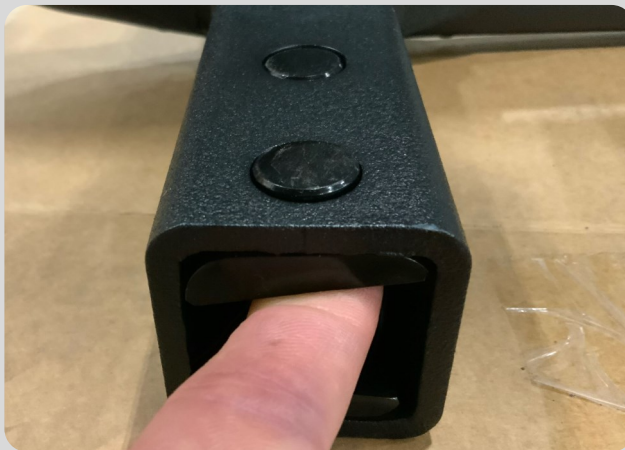
Pull the **Universal Tire Carrier** out of the box and place it upright on a flat surface.



Step 2:

Install the **Lower Hitch Wedge** into the hitch as shown.

Push the wedge in until the locating tab falls into place.



Step 3:

Install the **Upper Hitch Wedge** as shown.

Note: You will need to hold this wedge up in place until after the next step.



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Step 4:

Install the **Middle Hitch Wedge** in between the **upper and lower wedge's** in the orientation shown.

Note: The bottom of the **Middle Hitch Wedge** has the key that slides in the channel on the top of the **Lower Hitch Wedge**.



Step 5:

Push the **Middle Hitch Wedge** in until the key falls into the lower wedge channel.

This is what the final result should look like.



Step 6:

Have a helper assist you to install the **Universal Tire Carrier** into your hitch receiver.



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Step 7:

While installing the **Universal Tire Carrier** into place, install the **provided M16 Flat Washer and Hitch Pin Bolt**.

Note: Depending on your vehicle's hitch, you may have to have a helper lift up on the **hinge side** of the **Universal Tire Carrier** to line up the **Hitch Pin Bolt** with the threaded **Middle Hitch Wedge** properly.



Step 8:

Have a helper hold the **hinge side** of the **Universal Tire Carrier** up and **torque the Hitch Pin Bolt to 130ft-lbs.**



Step 9:

You can now **unlock the handle** and **open the swingout** until it locks in place.



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Step 10:

You can **pull** the **Locking Pin** for the **Table** to use as a work surface while installing your **tire mount assembly** onto the **Universal Tire Carrier**.



Step 11:

Install the **Tire Mounting Plate A** onto the **Universal Tire Carrier** in the vertical position of your choice using the **provided (4) M12-1.5 x 35mm Hex Head Bolts** and **(4) M12 Flat Washers**.

Hold in place and move to the next step.



Step 12:

Install the **Tire Mount Backing Plate** and finish installing the tire mount using the **provided (4) M12 Flat Washers** and **(4) M12 Nylon Locking Nuts**.

Torque hardware to 75ft-lbs.



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Step 13:

Install the (4) **M12-1.5mm x 60mm Hex Head Bolts** into the **Tire Mounting Plate B** in the position of your desired bolt pattern using the provided bolt pattern guide to assist you.

Torque hardware to 75ft-lbs.



Step 14:

Install the **Tire Mounting Plate B** onto the **Tire Mounting Plate A** in the orientation that best suites your tire and wheel combination and desired position using the **provided (4) M10-1.5 x 30mm Hex Head Bolts, (8) M10 Flat Washers, and (4) M10 Nylon Locking Nuts.**

Torque hardware to 45ft-lbs.



Step 15:

You have now completed the installation of the Smittybilt Universal Tire Carrier.

You can now install your wheel onto the Universal Tire Carrier

Note: If you are installing further accessories onto the Universal Tire Carrier, you may need to adjust your tire mount position to clear your accessories.

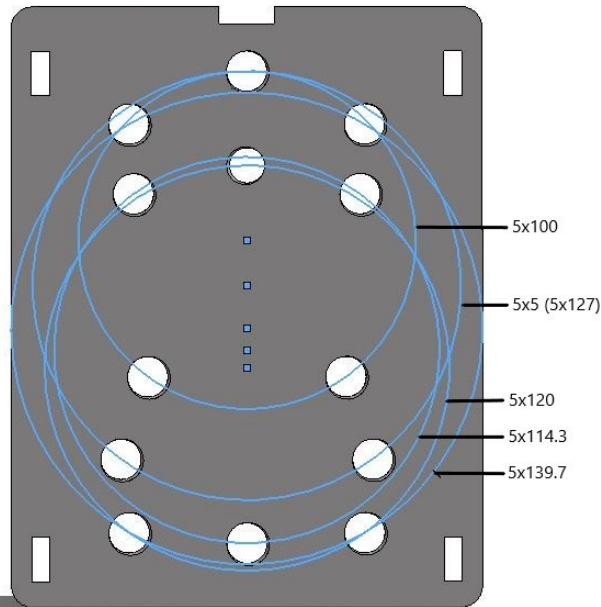
See smittybilt.com for more accessories.



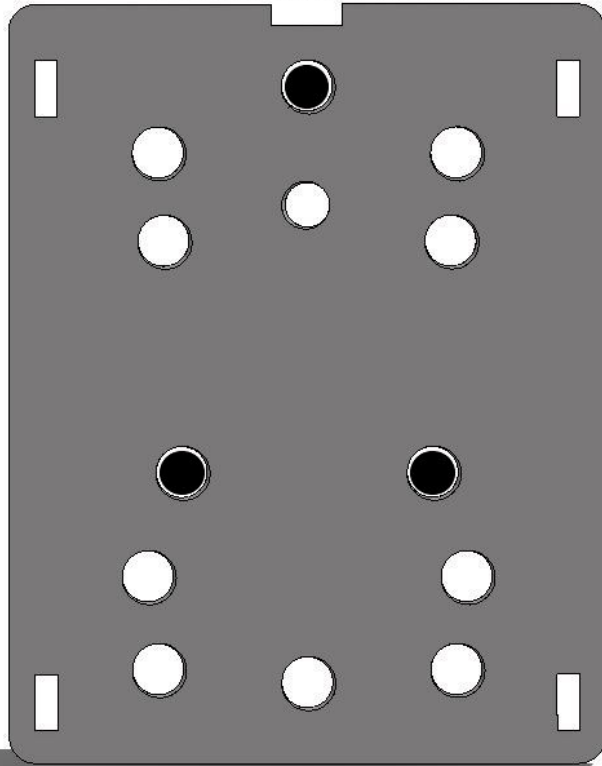
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Bolt Pattern Sheet

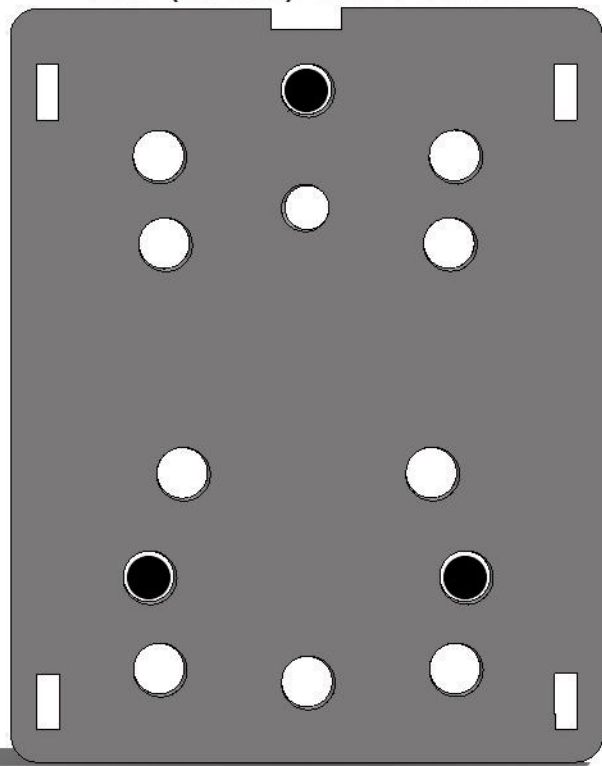
Verified Bolt Patterns



5x100 Bolt Pattern



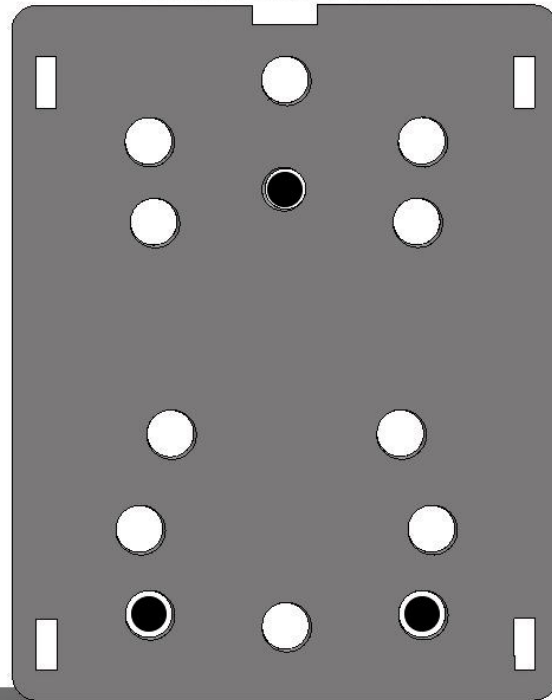
5x5 (5x127) Bolt Pattern



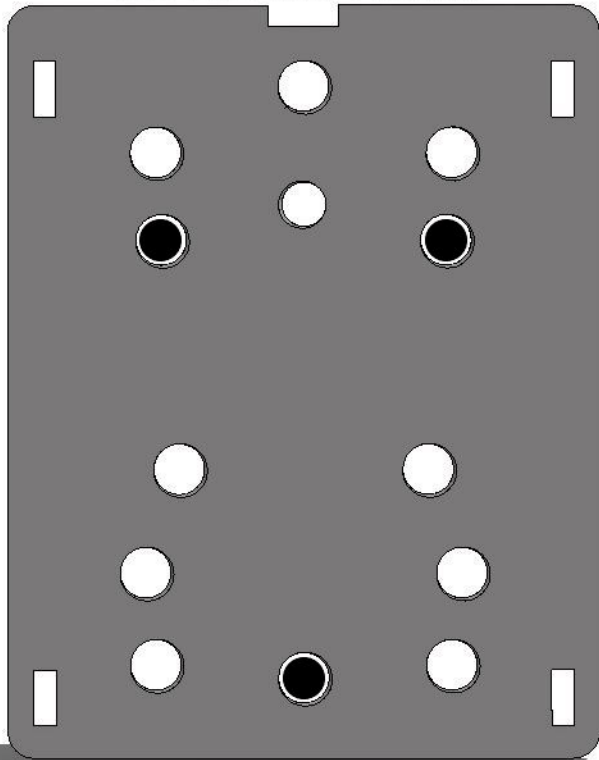
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Bolt Pattern Sheet

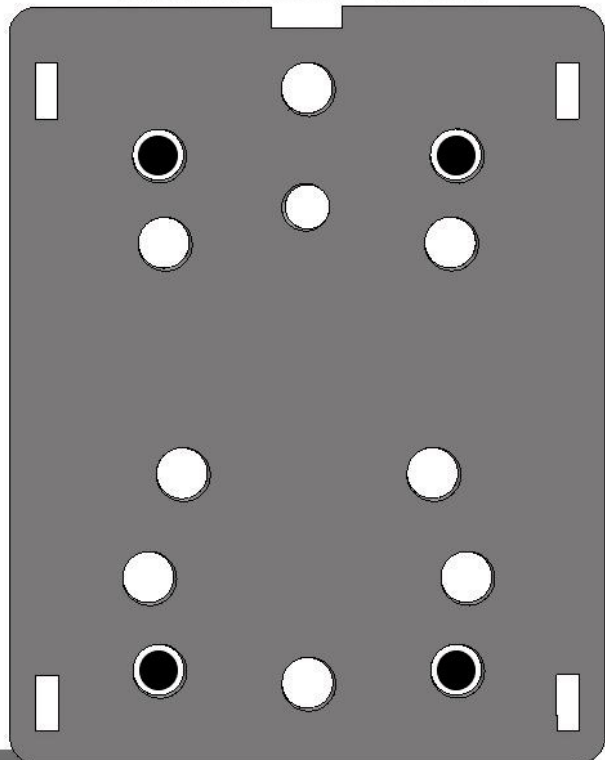
5x120 Bolt Pattern



5x114.3 Bolt Pattern



6x139.7 Bolt Pattern



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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

D T L X

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

M12-1.25x50 HHCS

D T L X

10.9

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.

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 **Universal Tire Carrier** 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) wearable 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 MERCHANT ABILITY 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



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