

Installation Instructions



Low Profile Hidden Winch Bumper 2022+ Toyota Tundra® S/B612942



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



Winches



Defender Low Profile Bed Rack



Waypoint® 55L Dual Zone Fridge

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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.

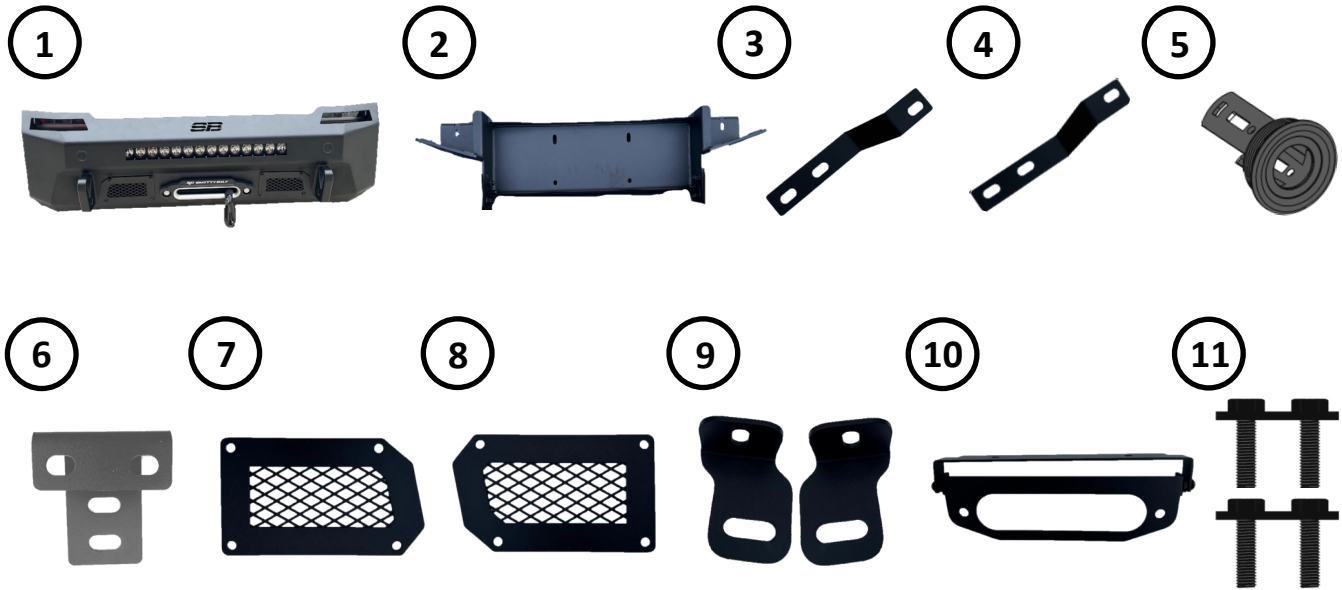
When possible, work with another person to reduce risk of injury from strain or other dangers that can occur when working alone.



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Box Contents & Technical Information

612942 Box Components



ID	Part Description	QTY
1	Tundra® Low Profile Bumper	1
2	Winch Plate	1
3	Driver Support Bracket	1
4	Passenger Support Bracket	1
5	Sensor Mount	2
6	Frame Support Bracket	2
7	Driver Mesh Cover	1
8	Passenger Mesh Cover	1
9	LED Light Bar Mount Brackets	2
10	License Plate Bracket	1
11	Double Bolt Plate	2
	M12-1.75x40mm Bolt Plate	2
	M12-1.75x40mm Hex Bolt	10

ID	Part Description	QTY
	M12 Flat Washer	26
	M12-1.75 Nylock Nut	16
	M10-1.5x30mm Button Head Bolt	2
	M10 Flat Washers	6
	M10-1.5 Nylock Nut	4
	M8-1.25x25mm Hex Bolt	2
	M8-1.25x16mm Hex Bolt	2
	M8 Flat Washer	8
	M8 Split Lock Washer	2
	M8-1.25 Nylock Nut	4
	M6-1.0x20mm Combo Bolt	8
	Sensor Plugs	2
	Triple Nut Plate	2

*Hardware not actual size.



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Step 1:

Park your Tundra® on a flat surface and chock all 4 wheels. Disconnect the negative battery terminal. Unclip both the center sensor wires. 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. Install both sensors into the **Low Profile Front Bumper** in the same position and orientation as they were in the OE bumper.

Note: For vehicles without parking sensors remove the pre-installed (2) Sensor Mounts from the Low Profile Bumper and install the included sensor plugs.



Step 3:

Carefully pull the center section of the OE bumper off to reveal the bumper subframe.



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Step 4:

Prepare the area for cutting and trimming. Be sure to wear PPE when cutting or trimming. The section shown in the photos on the left will be cut out of the plastic bumper subframe.



Step 5:

Begin cutting the bumper subframe directly below the flat plain underneath the OE fog lights.



Step 6:

Then cut the sides of the bumper subframe until it can be completely removed.



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Step 7:

Next, cut a 1" wide by 2" deep section of the subframe on the inside edge of both fog lights. Cutting is now complete.

Note: you may need to do some fine-tuning when installing the Low Profile Bumper outer shell. Keep the cutting tools handy just in case.



Step 8:

From underneath the Tundra®, completely remove all the bolts attaching the OE crash bar to the frame rails. The OE crash bar can be removed without removing the OE bumper, but it may take some articulation and patience to remove it.



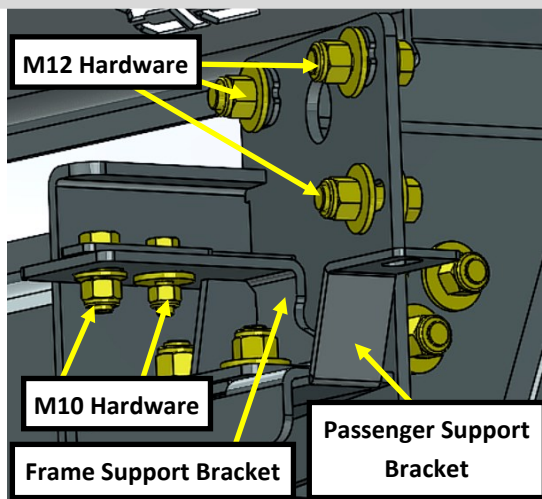
Step 9:

If you intend to install a winch, now would be a good time to install the winch onto the winch plate.



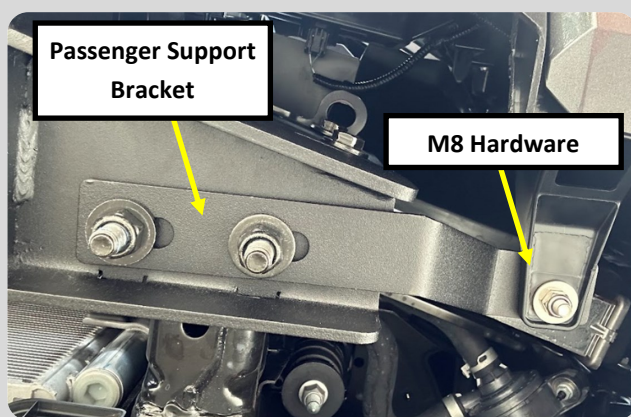
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Step 10:

With the assistance of another person and/or a jack, lift the **Winch Plate** up to the frame rails of the truck. Starting on the passenger side install the **Winch Plate** using the **Frame Support Bracket**, **Double Nut Plate**, **M12 Hardware**, **M10 Hardware**, and **Passenger Support Bracket**. Then do the same to attach the **Winch Plate** to the driver's side. Do not torque the hardware yet.



Step 11:

Attach the **Passenger Side Support Bracket** to the OE bumper support bracket using the included **M8 Hardware**. Then, repeat for the **Driver Side Support Bracket**.



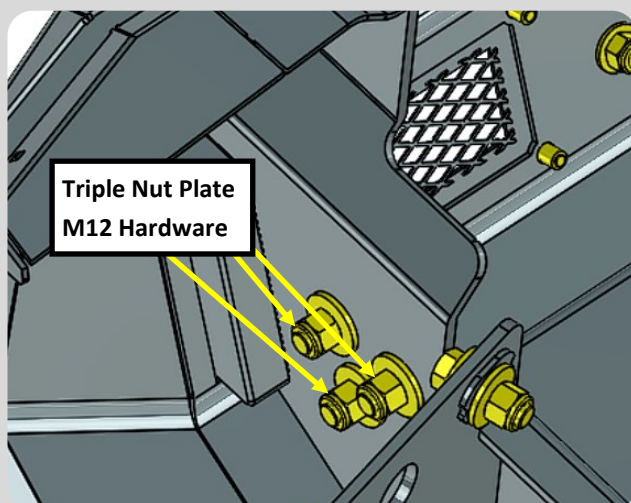
Step 12:

If you installed a winch, install the fairlead to the **Outer Bumper Shell** at this time. If you are planning on installing a 20" Light Bar, do so at this time as well.



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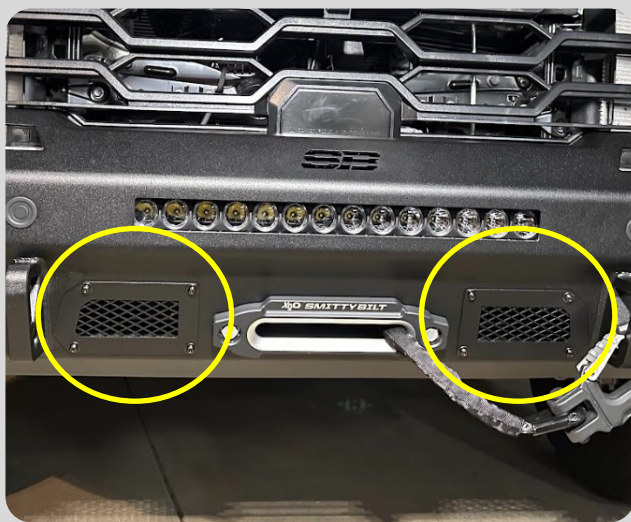
Step 13:

With the assistance of another person and/or a jack, lift the **Outer Bumper Shell** up to the **Winch Plate** of the truck. Then, using the **Triple Nut Plates**, **M12 Nylock Nuts**, and **M12 Flat Washers** install the **Outer Shell** to the **Winch Plate**.



Step 14:

Make your final adjustments to the bumper until the fitment is to your liking. A jack can be used with a block of wood to narrow down and hold the bumper in the ideal position. Once happy with the fitment, torque all the hardware using the chart on **Page 10** of this guide.



Step 15:

Install the **Driver and Passenger Side Mesh Covers** using the included **(8) M6 Combo Bolts**.



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Step 16:

Installation is now complete.



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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 **Tundra® Low Profile 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 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
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