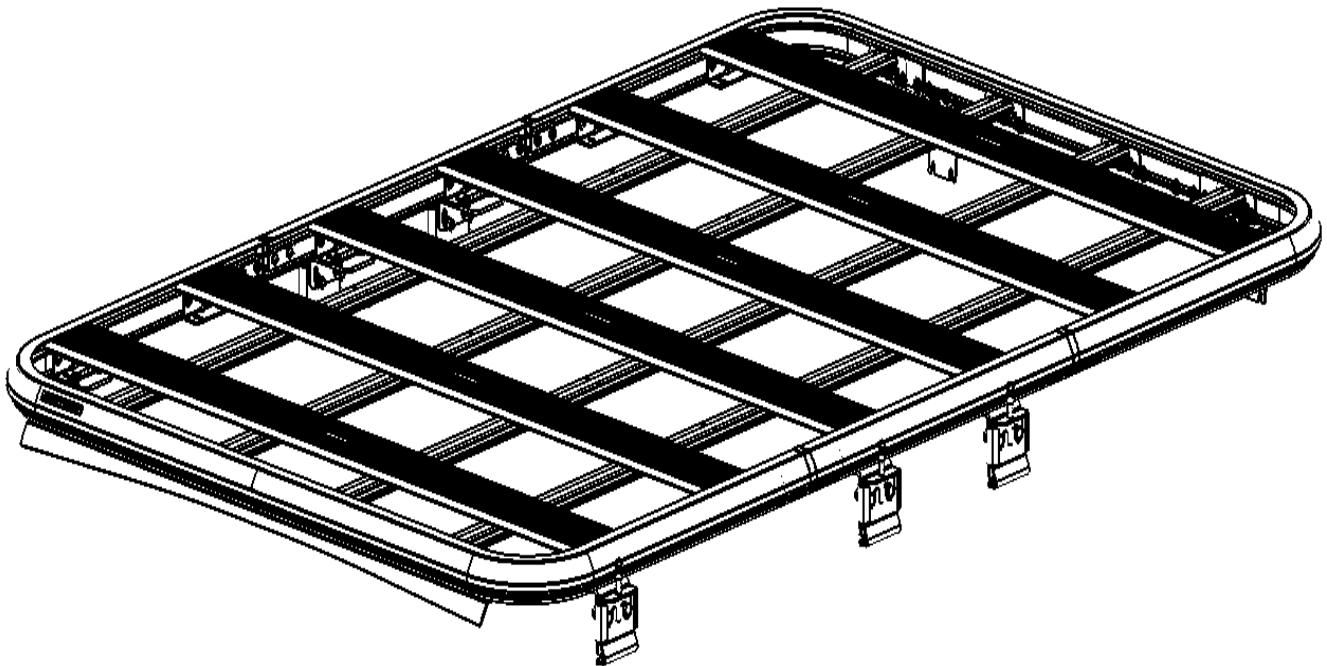


## Installation Instructions



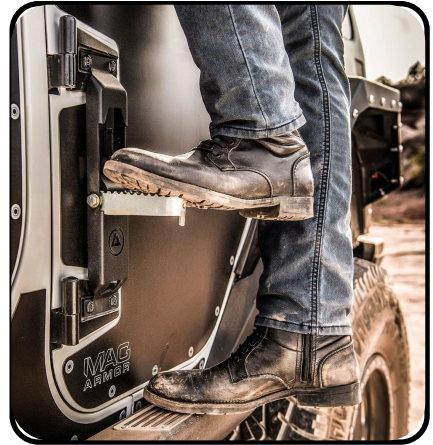
07-18 JEEP JK Defender Platform Mounting kit  
P# **S/BJ01**



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Smittybilt, 400 W Artesia, Compton, CA 90220

## Introduction

Thank you for choosing Smittybilt accessories for your **JEEP JK**. If you would like to view our full range of available accessories, please visit us at [www.smittybilt.com](http://www.smittybilt.com)



## Important Notes Before Starting

### ! IMPORTANT NOTE

Carefully read through this entire instruction manual thoroughly before attempting to install this part. Please refer to the vehicles owner's manual for roof weight capacity (include weight of rack). Check that all fasteners are properly torqued after installing the roof rack and driving a short distance. Fasteners should be checked regularly before loading roof rack. Fasten loads securely and evenly distribute loads across the rack. Lower the center of gravity of all loads as much as possible. Wind can affect driving sensitivity with roof racks.

### ! 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.

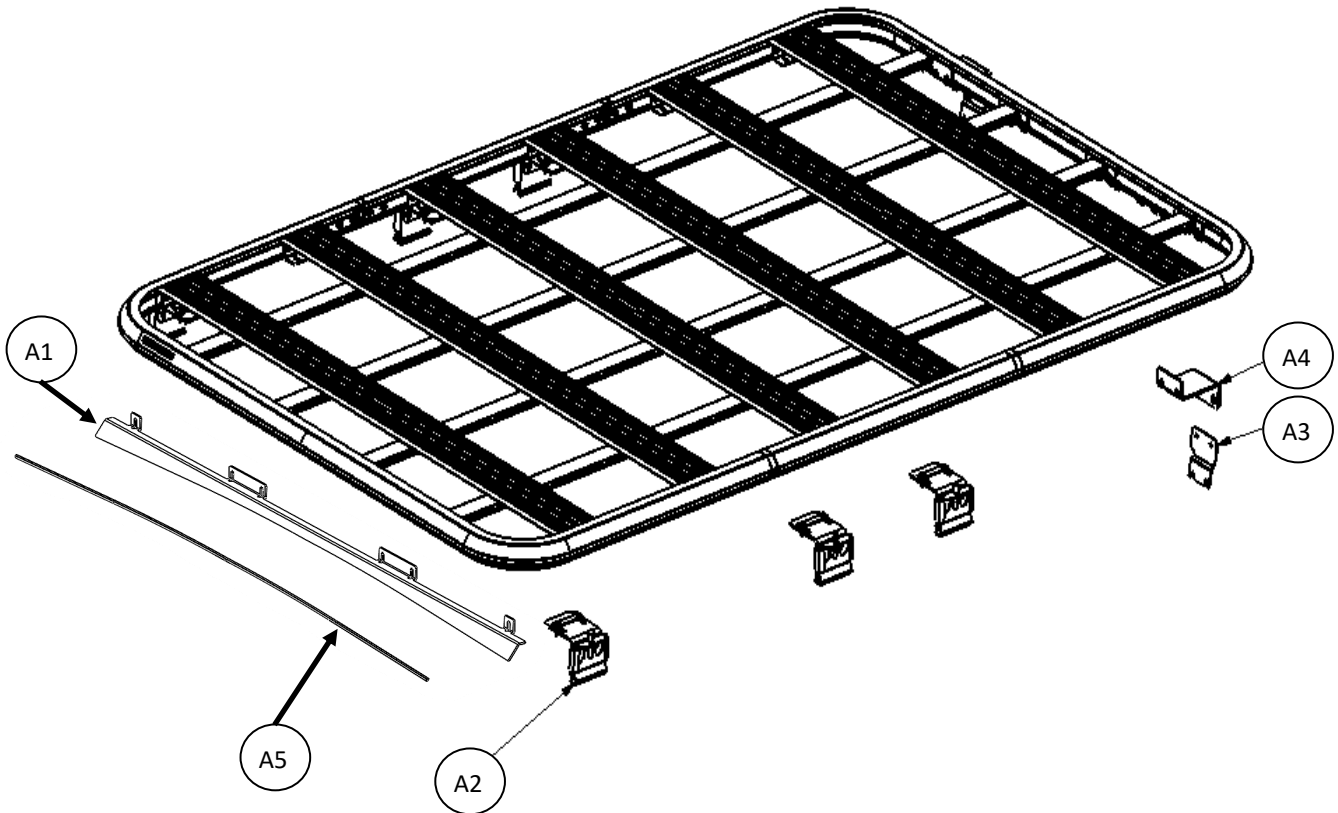
**TOOLS REQUIRED** The following tools will be required to complete the installation of this part:

Torque wrench	Ratchet	10mm socket
13mm socket	4mm hex key	4mm hex bit socket
10mm wrench		



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## Box Contents

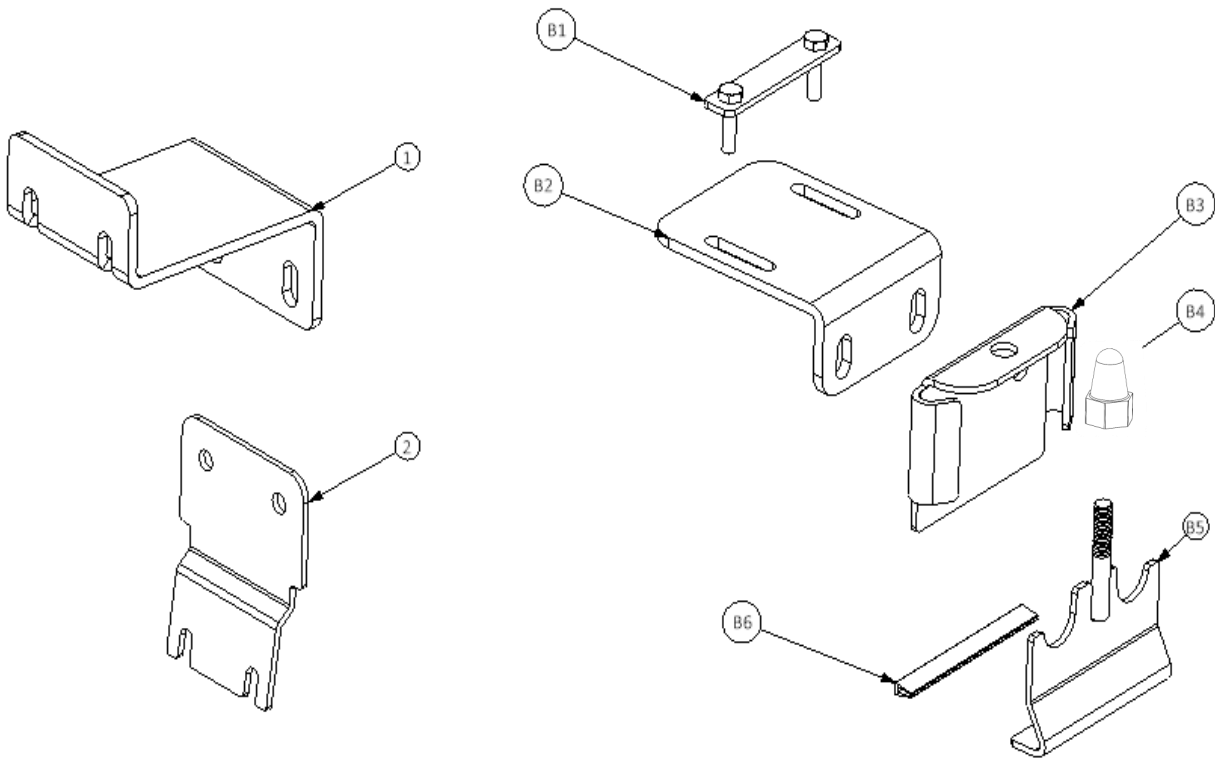


ID #	Description	QTY
A1	Wind deflector	1
A2	mounting bracket assembly	6
A3	Hinge bracket	2
A4	Rear window bracket	2
A5	Wind deflector trim piece	1



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## Box Contents

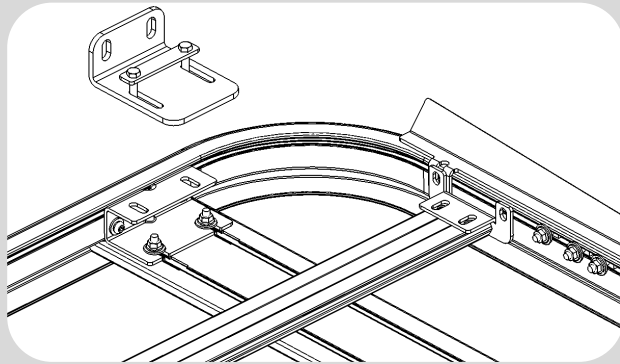


ID #	Description	QTY
1	Hinge bracket	2
2	Rear window bracket	2
B1	Bolt plate	6
B2	L bracket	6
B3	Clamp bracket	6
B4	M8 hex nut plastic cap	6
B5	Clamp	6
B6	Clamp edge trim	6



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# Installation Instructions

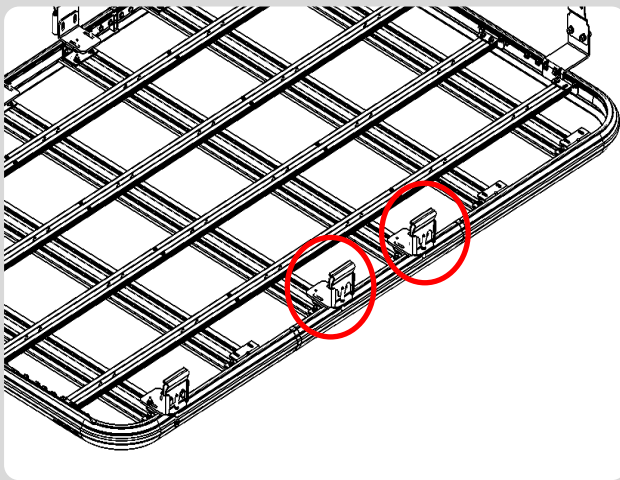


## Step 1:

Place your Defender Platform (upside down) on a bench and install the L bracket to one of the front corners of the rack. Secure with a M6 bolt plate, bolts facing downward.

Loosely secure using (1) M6 bolt plate, (2) M6 flat washers and (2) M6 nylock nuts.

Repeat step on the remaining front corner.

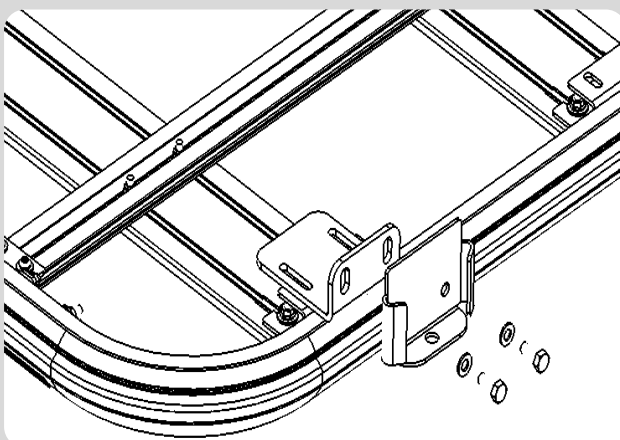


## Step 2:

Install the remaining L brackets to the third and fourth crossbars mounting brackets. Secure with a M6 bolt plate, bolts facing down.

Loosely secure using (1) M6 bolt plate, (2) M6 flat washers, and (2) M6 nylock nuts.

Repeat step on the other side.



## Step 3:

Install the clamp bracket to the L bracket by aligning the (2) holes of the clamp bracket to the (2) slots of the L bracket. Secure them using (2) M8 X 20mm Hex bolts, (2) M8 lock washer and (2) M8 hex nuts.

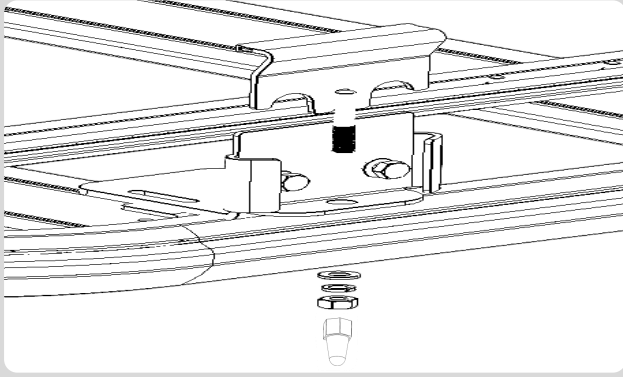
NOTE: Tighten them on the higher position to adjust when installed on the vehicle.

Repeat step on the remaining L brackets.



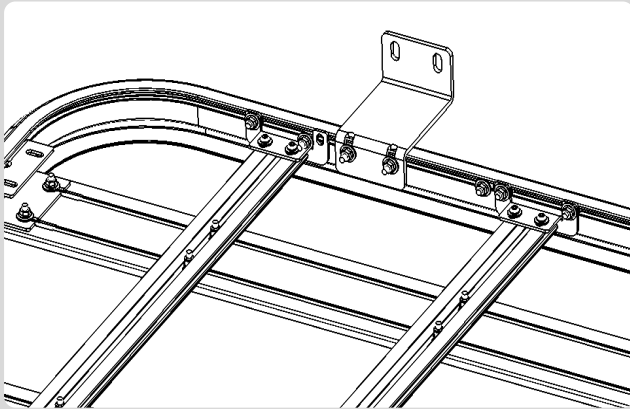
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## Installation Instructions



### Step 4:

Install the clamp to the clamp bracket by inserting the clamp stud to the opening in the clamp bracket loosely secure using M8 hex nut, lock washer and flat washer.



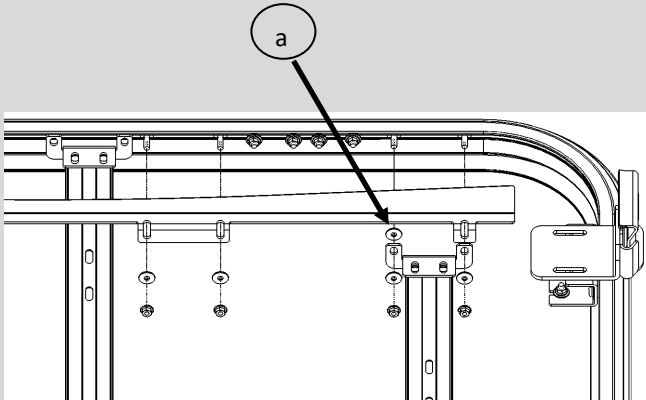
### Step 5:

Install the hinge bracket to the back of roof rack. Place the hinge bracket between the stringer and towards the outside. Loosely secure using M6 t-bolts and nuts pre-installed on the roof rack. Repeat step with the remaining bracket.



## IMPORTANT NOTE

**Note: If planning on installing light bar brackets skip step 6.**



### Step 6:

Remove the M6 nuts and washers that are pre-installed on the Defender platform. Unbolt stringer and stringer mounting bracket from both ends of roof rack. Add (1) washer in between stringer mounting bracket and platform (a). Install wind deflector next to the center stringer brackets and secure using the M6 nuts previously removed. **Note:** Make sure wind deflector is centered with Defender Platform

See figure provided.



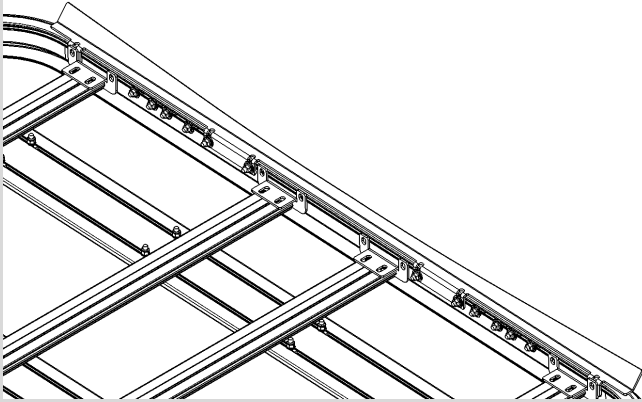
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## Installation Instructions

### Step 6: (continue)

Wind deflector should sit as pictured with the two center stringers sitting in between the wind deflector mounting locations. As well as the outer mounting locations for the wind deflector using one of the same t bolts as the outer stringers (See previous figure).



### Step 7:

Install rear windshield bracket to the rear windshield hinge.

Open the rear window and using a 10mm socket loosen the (2) bolts securing the window hinge to the roof (do not remove them) and slide the bracket between the hinge and roof. Tight the bolts and repeat this step on the other hinge.



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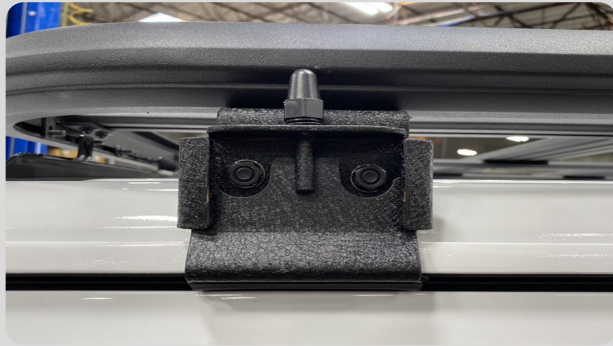
## Installation Instructions



### Step 8:

With the help of another person place the roof rack on the vehicle roof.

Make sure all mounting brackets are inside roof rain gutter.



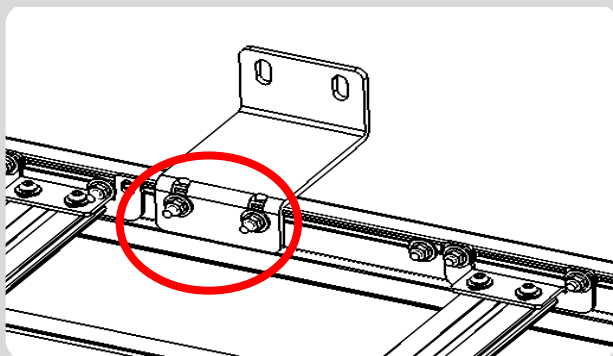
### Step 9:

Square the defender platform to your vehicle roof and tighten all the M6 hardware connecting the L bracket to the platform and secure the clamp nuts.



### Step 10:

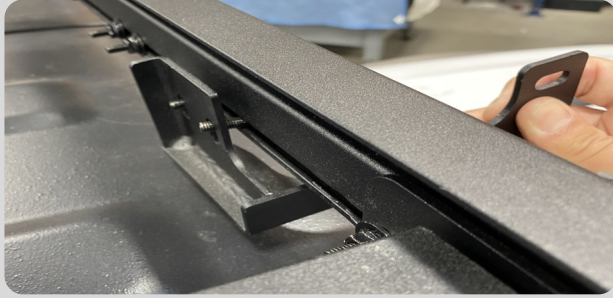
Align the hinge bracket to the rear window bracket and secure them using (2) M8 x 20mm hex bolt, M8 lock washer, M8 flat washer and M8 hex nut. Tight the (2) M6 nuts securing the hinge bracket to the defender platform.



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## Installation Instructions: Wiring Installation



### Step 11: (optional)

Install LED light bracket to roof platform.

Align the slots of the light bracket to the T-bolts pre-installed on the inner front section of the roof platform. Leave it loose for now.

Install light bar to the brackets using the hardware provided with the light.

Align the LED light bar and tighten the light bracket hardware.



**Note:** Light brackets can not be used if wind deflector is installed. Wind deflector must be removed or vice versa.



### Step 12: (optional)

Install the light pod bracket using the T-bolts pre install on the inner front section.

Place the bracket with the light mount facing up.



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### **! IMPORTANT NOTE**

Note: Torque all hardware to spec refer to torque chart on page # 11

Your installation is now complete



### **! IMPORTANT NOTE**

Note: Prototype part pictured above. Production part may differ.

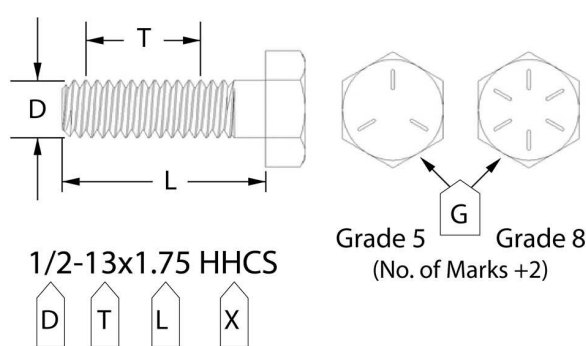


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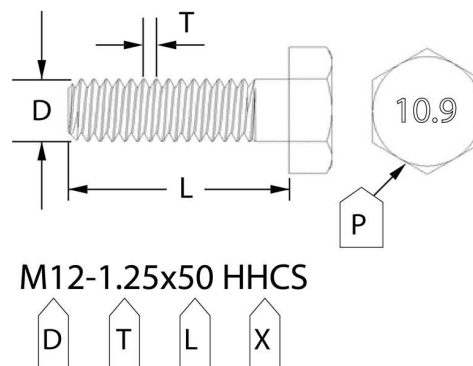
# Bolt Torque Specifications

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



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**  
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