



## Installation Instructions

(Part # SB7721)

Jeep JL Tire Carrier Spacer

Parts Included	Qty
84-11787 TIRE CARRIER SPACER	1
90-6881 HARDWARE PACK Mount	4
5/16-18 x 1 ½ HEX BOLT, GRADE 8	2
5/16 Flat washer	4
5/16-18 TOPLOCK NUT	2
PUSH IN HOLE PLUG	2

### Tools Required:

Socket wrench

Metric socket set, M13 required

SAE socket set, ½ required

Auto trim tool set

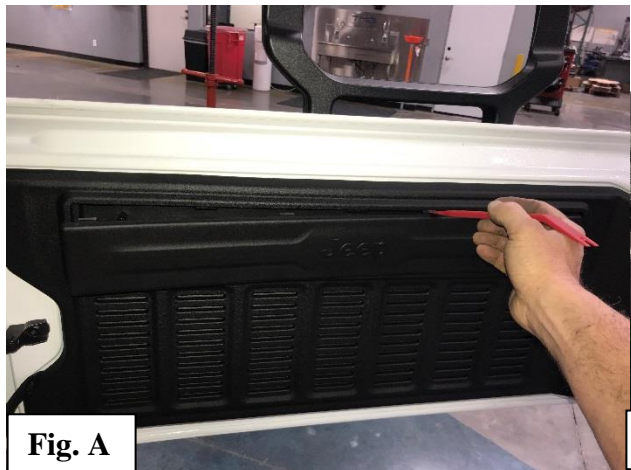
Socket wrench extension

Torque wrench

Impact wrench (recommended)

**Step 1:** Remove Wheel and tire from OE tire carrier. If you do not know how to remove the wheel, consult your owner's manual.

**Step 2:** Open tailgate, and remove both rear interior panels, and disconnect brake light and camera wiring harness. (Fig. A, B, C, D, and E)



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Fig. C



Fig. D

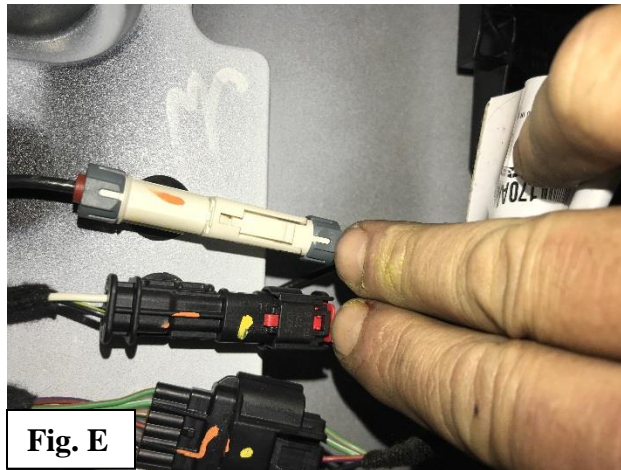


Fig. E

**Step 3:** Feed the disconnected wiring harness through the hole on the tailgate. Use a trim tool to gently pry the gasket if needed. (Fig. F)



Fig. F

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**Step 4:** Use an M13 socket to remove the eight (8) M8 bolts holding the tire carrier to the tailgate. (Fig. G)



Fig. G

**Step 5:** Remove the two (2) Rubber bumpers from the tailgate by pulling the nipple on the inside of the tailgate (Fig. H) whilst pulling harder on the outside. (Fig I.)

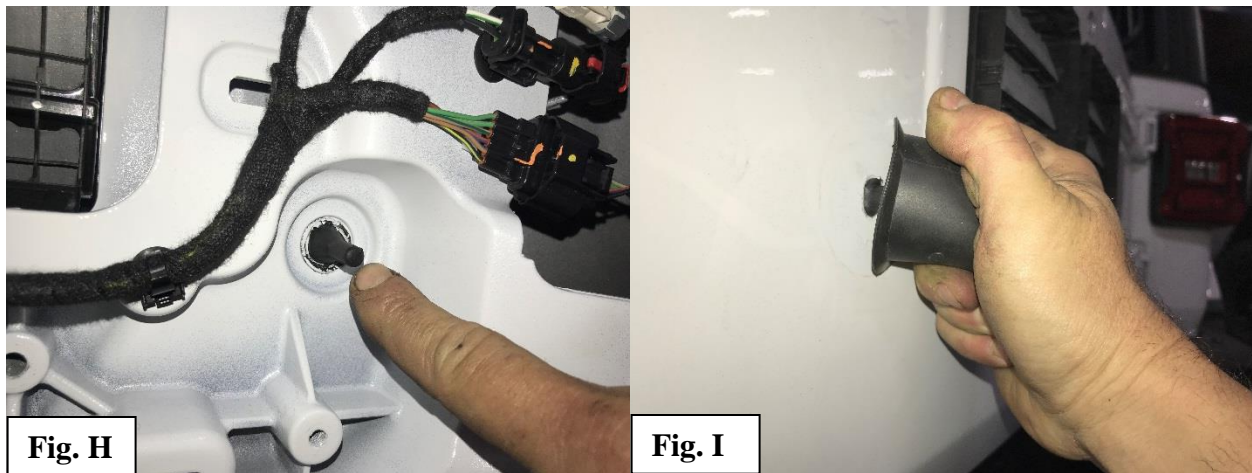


Fig. H

Fig. I

**Step 6:** Insert the push in hole plugs into the bumper holes. The plugs will snap into place with the outer edge flush to the door when properly installed.

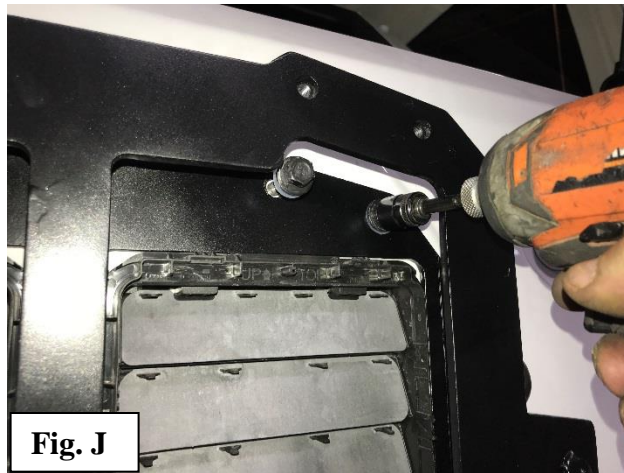
**Step 7:** Using the M8 hardware removed in step 4, install the tire carrier spacer to the tailgate. Torque the bolts to 30 ft/lbs. (Fig J.)

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**Step 8:** Using the provided 5/16/-18 hardware and a ½ socket, attach the OE tire carrier to the spacer. Torque to 30 ft/lbs. (Fig. K)



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**Step 9:** Feed the brake light and camera harness through the hole in the tailgate. Re seat the gasket, and reconnect the harness on the inside of the tailgate. **(Fig. E)**

**Step 10:** Install OE rubber bumpers on tire carrier spacer by pulling the nipple through the tailgate hole, while slightly turning the bumper. **(Fig. L)**



**Fig. L**

**Step 11:** Install spare tire on tire carrier. **(Fig. M)**



**Fig. M**



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

M12-1.25x50 HHCS  
D T L X

**P**

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)

### 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.

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### **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.

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