

# Installation Instructions



## Atlas Rear Bumper with Tire Carrier 2018+ Jeep Wrangler JL S/B77897



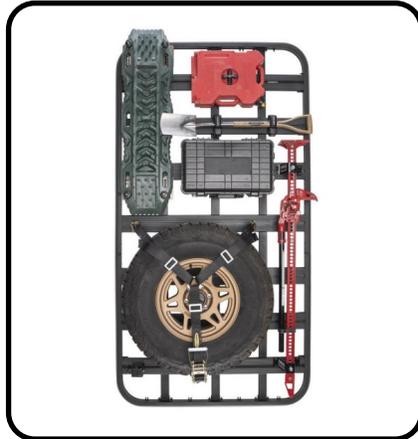
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## Introduction

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



JL Atlas Front Bumper



JL Defender Platform Rack



Waypoint™ 55L 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.



### 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.

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

#### TOOLS REQUIRED

Hex Key Set	Wire Stripper/Cutter	13mm Wrench
Socket Set	Electrical Tape	3/8 Drive Ratchet
Torque Wrench	Drill	1/2" Drill Bit



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# Box Contents & Technical Information

## ! IMPORTANT NOTE

This kit is composed of 2 boxes. 77897-01 and 77897-02. Be sure both boxes are present prior to beginning installation

### 77897-01 Box Components



ID	Part Description	QTY
1	JL Atlas Rear Bumper	1
2	M14-1.5 Double Nut Plate	1
3	Hitch Nut Plate	2
4	M14-1.5x40mm Hex Bolt	2
5	M14-1.5x25mm Hex Bolt	2
6	M14 Flat Washer	4
7	M14 Split Lock Washer	2
8	M12-1.75x110mm Hex Bolt	4
9	M12 Flat Washer	4
10	M12 Split Lock Washer	4
11	License Plate Bracket (A)	1

ID	Part Description	QTY
12	License Plate Bracket (B)	1
13	M14-1.5 Lug Nut	2
14	LED License Plate Light	1
15	8ft License Plate Light Ext. Cable	1
	Sensor Plug	4
	M6-1.0x20mm Button Head Bolt	1
	M6-1.0x16mm Button Head Bolt	2
	M6-1.0x12mm Button Head Bolt	4
	M6 Flat Washer	10
	M6 Nylock Nut	4
	M6 Flange Nut	1

\*Hardware not actual size.



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# Box Contents & Technical Information

## 77897-02 Box Components



ID	Part Description	QTY
1	77897-02 - Tire Carrier	1
2	Main Pin	1
3	Cam Wheel	1
4	Tailgate Cover Plate	1
5	Light Tab	2
6	Stationary Wheel Mount Bracket	1
7	Adjustable Wheel Mount Bracket	1
8	Billet Cam Wheel Cap	1
9	Main Pin Nut Plate	1
10	Stainless Pin Washer	4
11	3rd Brake Light Side Bracket	2
12	3rd Brake Light Center Bracket	1
13	Trail Jack Mount	2
14	76896-03 - Jerrycan Strap Pair	1
15	Camera Extension Cable	1
16	S/BZERK - Zerk Fitting	1
	Bolt Plate	2

ID	Part Description	QTY
	Extension Cable	1
	3rd Brake Light Extension Cable	1
	M12-1.75x35mm Hex Head Bolt	2
	M12-1.75x160mm Hex Head Bolt	1
	M12 Large O.D. Cam Washer	1
	M12 Flat Washer	6
	M12 Split Lock Washer	6
	M10-1.5x30mm Hex Head Bolt	6
	M10 Flat Washer	12
	M10-1.5 Nylon Lock Nut	6
	M8-1.25x25mm Allen Head Bolt	3
	M8-1.75x16mm Button Head Bolt	2
	M8 Flat Washer	4
	M8-1.25 Nylon Lock Nut	4
	M8-1.25 U Bolt	2
	M6-1.0x16mm Button Head Bolt	2
	M6 Flat Washer	4

\*Hardware not actual size.

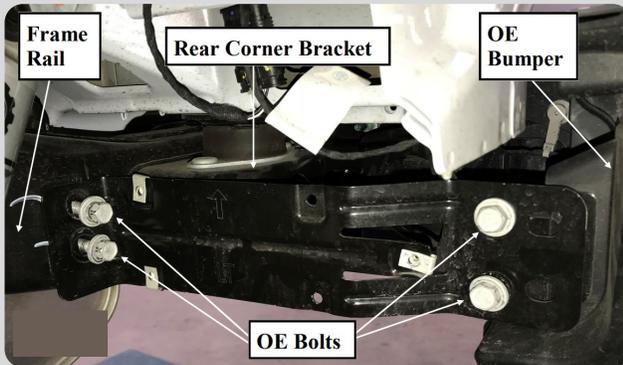


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# Installation Instructions: Factory Bumper Removal

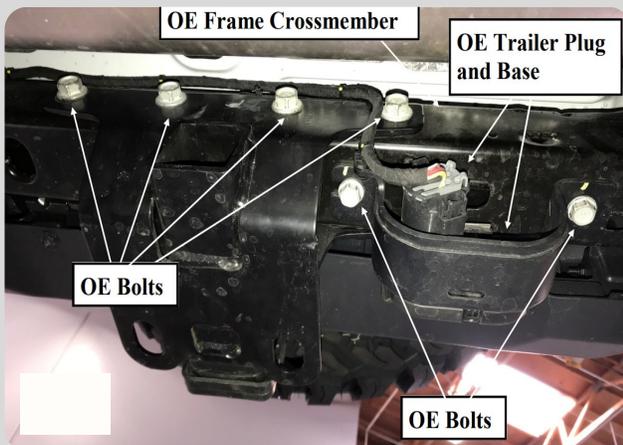
## ! IMPORTANT NOTE

If your Jeep has plastic bumpers with sensors, you will need to purchase these part number from your local Jeep dealer: **6MH85RXFAB (1) 68295603AB (1) 6MH83RXFAB (1) 68295601AB (1) 6MH82RXFAB (1) 68295600AB (1) 6MH84RXFAB (1) 68295602AB (1) 68289851AA (4)**



### Step 1:

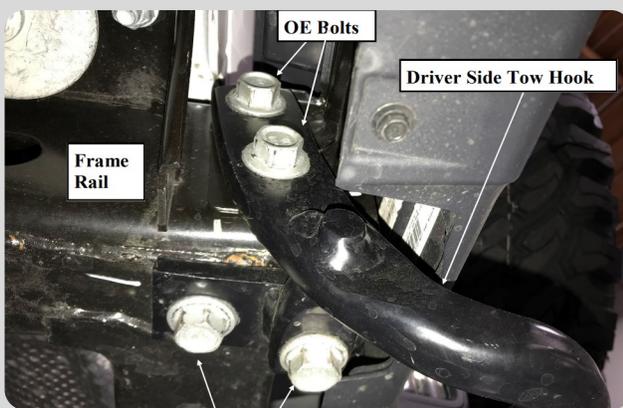
Park your JL® on a flat surface and chock all 4 wheels. Then remove the **4 (per side) OE Bolts** securing the **OE Corner Brackets** to the frame rails.



### Step 2:

Using an **18mm** wrench, remove the **4 OE Bolts** securing the **OE Rear Bumper** to the frame crossmember.

**If equipped:** Unplug the harness from the trailer plug and unbolt the bracket from the crossmember. Save the bracket for reinstallation later.



### Step 3:

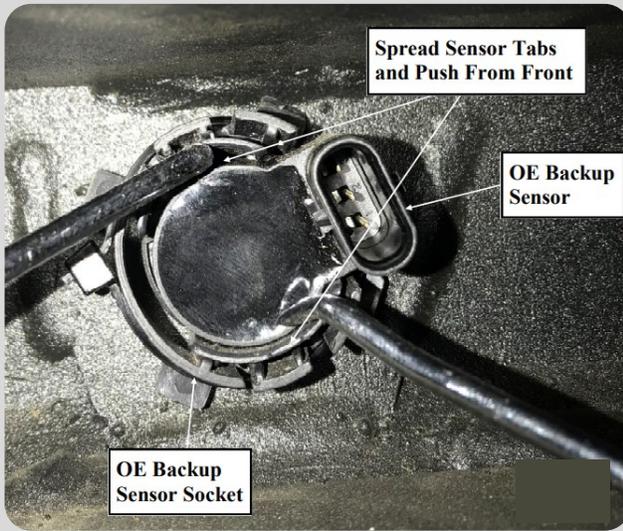
Use caution before performing this step, the bumper will be removed in this step. Assistance may be required. On the driver side, remove the **4 OE Bolts** securing the tow hook to the frame rail. On the passenger side, remove the **2 OE Bolts** securing the rear bumper to the frame bumper. Save this hardware.

**If equipped with backup sensors, disconnect the entire harness, located under the driver side rear quarter panel.**



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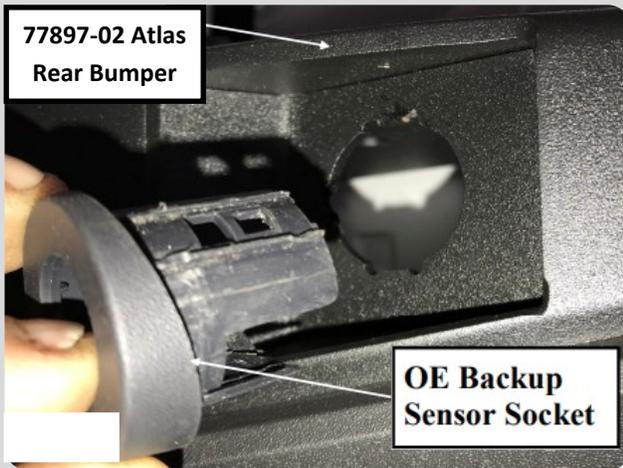
## Installation Instructions: Atlas Sensor Install



### Step 4:

Unplug the **OE Sensor Harness** from the **OE Backup Sensors**. Remove the **OE Sensors** by spreading the back of the socket clips while pushing the sensor from the outside of the bumper. **Note: Be sure the OE backup sensor O-Rings are not lost during removal.**

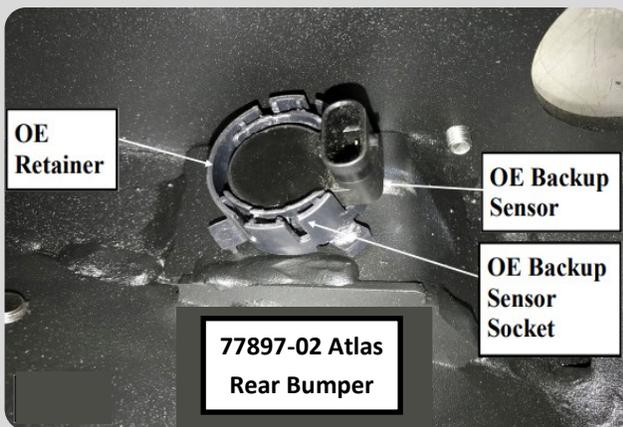
**Metal Rubicon Bumper Only:** Disengage the locking tabs securing the outer retaining ring to the socket. Carefully push the sensor sockets inward from the outside. **Be sure to note the orientation of the sensor retainers prior to removal for reinstallation.**



### Step 5:

Install the **OE Backup Sensor Sockets** into the mounting holes in your new **Atlas Bumper (77897-01)** according to their original orientation in the **OE Bumper**.

**Note: For vehicles without backup sensors, install block off plugs into the Atlas Rear Bumper (77897-01) instead.**



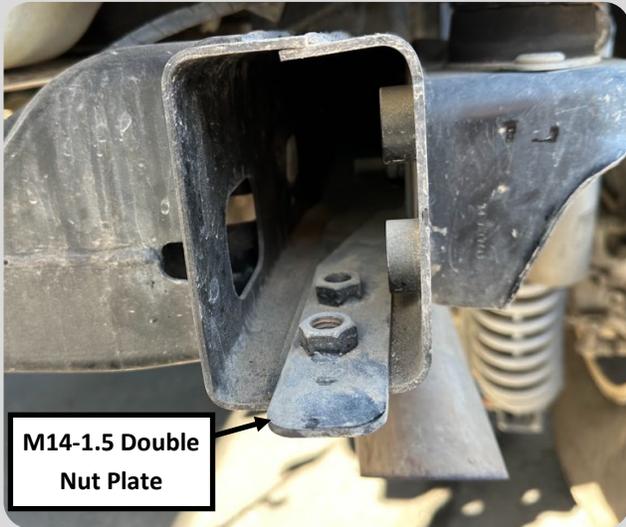
### Step 6:

Install the previously removed **OE backup sensors** into the **OE Backup Sensor Sockets**, using the **OE Retainers**, according to their original orientation as pulled from the **OE Bumper**.



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## Installation Instructions: Atlas Rear Bumper



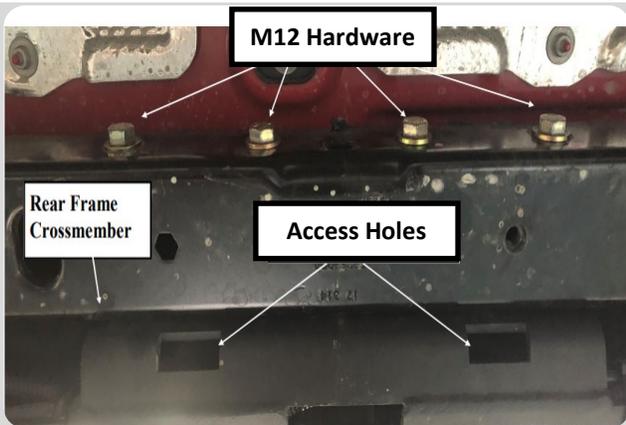
### Step 7:

If there is no factory nut plate installed. Install the **M14-1.5 Double Nut Plate** into the bottom of the passenger side frame rail.



### Step 8:

Using the assistance of another person, lift the **Atlas Bumper (77897-01)** against the outside and bottom of the frame rails. Reinstall the **OE Bolts** to the bottom of the driver side frame rail and the outside of the passenger side frame rail, use the included thread-locker on these bolts. Then install the included **M14-1.5x25 Bolts, M14 Lock Washers, and M14 Flat Washers** to the outside of the driver side frame rail. Then, install the included **M14-1.5x40mm Bolts, M14 Lock Washers, and M14 Flat Washers** on the bottom of the passenger frame rail. Leave hardware loose.



### Step 9:

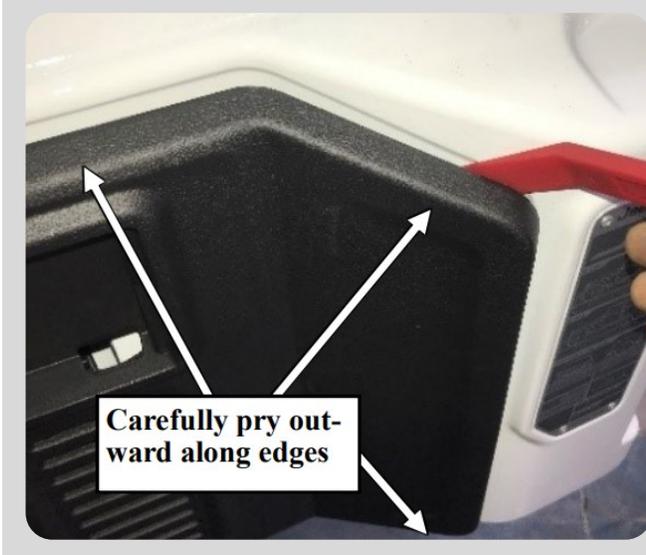
Install the **(4) M12-1.75x110mm Bolts, (4) M12 Lock Washers, and (4) M12 Flat Washers** through the rear crossmember. Then, using the access holes install the **(2) Crossmember Nut Plates**, then secure the previously install **M12 Hardware** to the **Nut Plates**.

Adjust the bumper until happy with placement, then torque all bumper mounting bolts to spec found on **Page 21** of this manual.



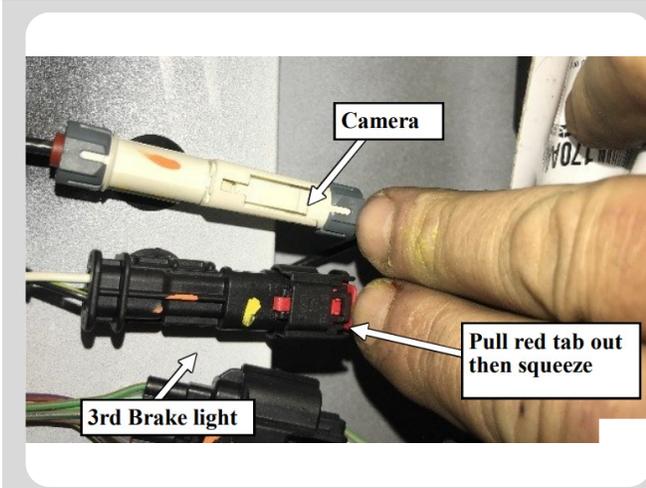
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## Installation Instructions: OE Carrier Removal



### Step 10:

Remove the spare tire from the **OE Tire Carrier**. Then, open the tailgate of your Jeep. Starting on the latch side, with a plastic prybar, carefully remove the rear interior panel and set aside.



### Step 11:

With the panel removed, carefully disconnect the 3rd brake light connector by pulling the red locking tab outwards, squeezing the retaining tab, and pulling the connector halves apart. Then, press the retaining tab down on the camera connector and pull the halves apart.

**Note:** Do not pull directly on the wiring, only apply pulling force on the connector ends.



### Step 12:

On the outside of the tailgate, gently remove the wiring grommet. Then, feed the disconnected wiring harness through the hole of the tailgate.

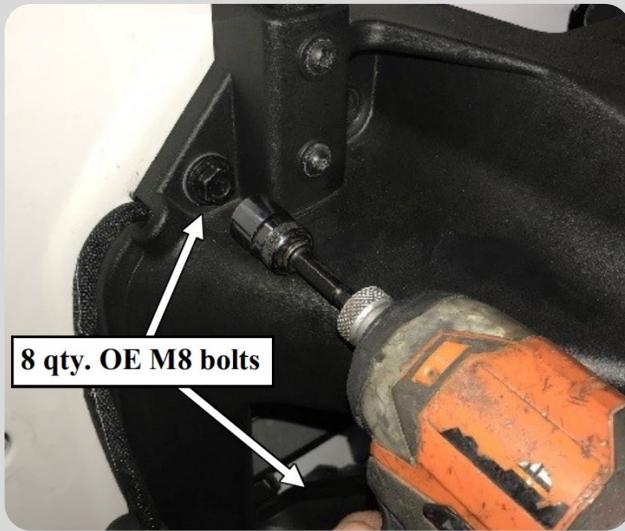
**Note:** Use a plastic trim tool to gently pry the grommet out, if needed.



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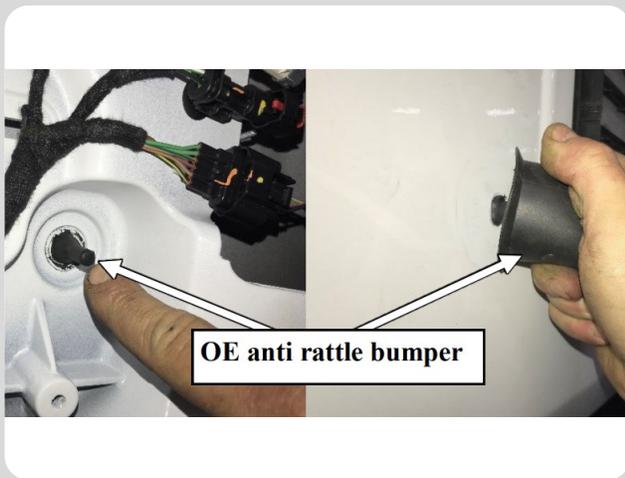


## Installation Instructions: OE Carrier Removal



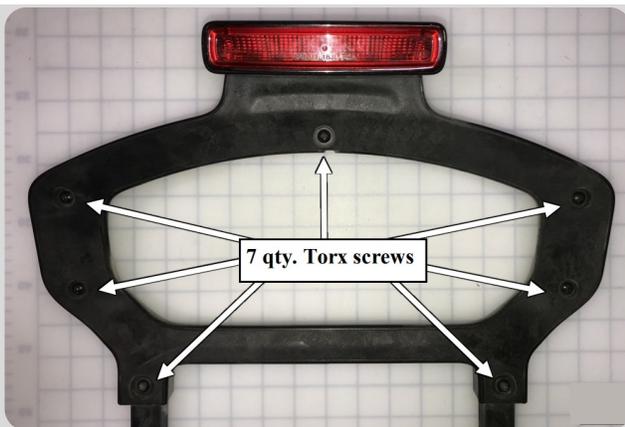
### Step 13:

Use a 13mm socket to remove the **(8) OE M8 Bolts** securing the **OE Carrier** to the tailgate. Save **OE Hardware** for reinstallation.



### Step 14:

Remove the **(2) OE Anti-Rattle Bumpers** from the tailgate by pulling the tab on the inside while twisting and pulling harder on the outside. Install **(2)** included **1/2" Plugs** into these holes. The plugs will snap into place.



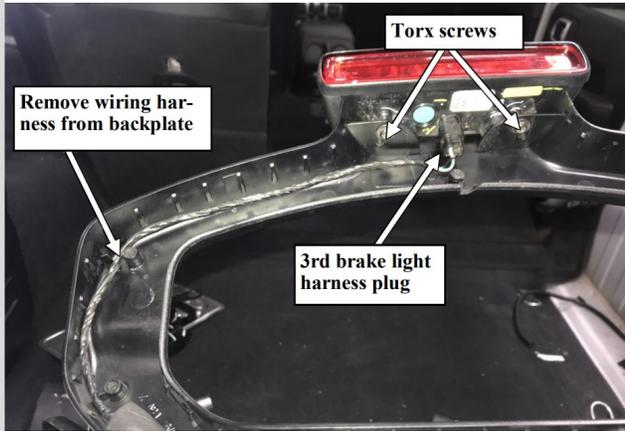
### Step 15:

Remove the **(7) OE Torx Bolts** from the **OE 3rd Brake Light** backplate.



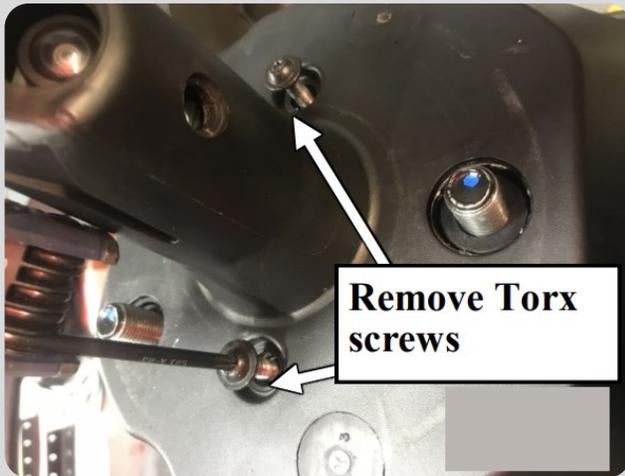
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## Installation Instructions: OE Carrier Removal



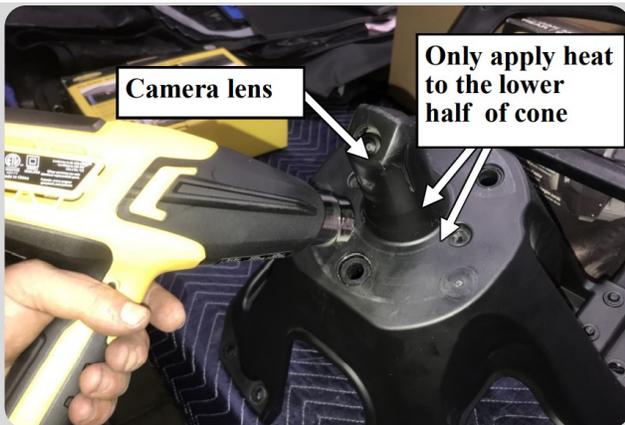
### Step 16:

Remove the (2) **OE Torx Screws** holding the **3rd Brake Light** to the **OE Mount Bracket**. Carefully remove the **OE 3rd Brake Light and Harness** from the mount. Save the **OE 3rd Brake Light and Harness** and the (2) **Torx Bolts** for reinstallation later.



### Step 17:

Remove the (2) **OE Torx Bolts** from the outside of the **OE Tire Carrier**. Remove the cable tie from the rear of the lug bracket. Then carefully remove the lug bracket, using caution around the camera cord.



### Step 18:

Use a heat gun in a slow circular motion to warm up the lower half of the camera cone

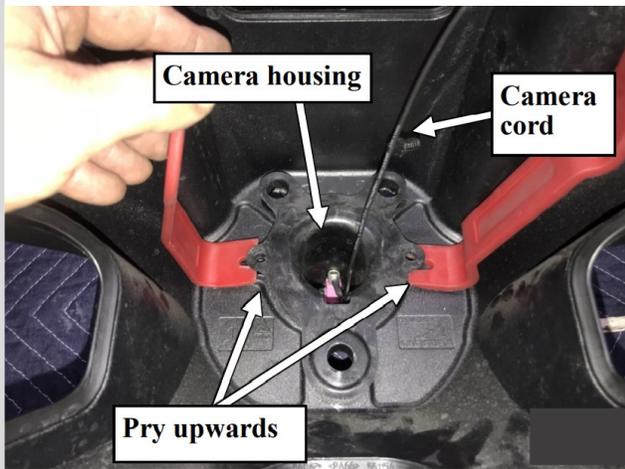
**Be very careful to NOT apply heat anywhere near the camera or its lens.**

After about 3 minutes, check the temperature of the base of the camera cone. It should be too hot to touch for more than 5 seconds. If, not repeat this step until it is. Then proceed to next step.



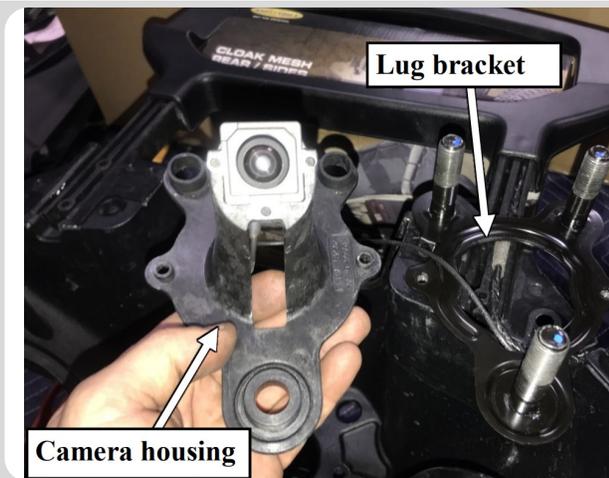
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## Installation Instructions: OE Carrier Removal



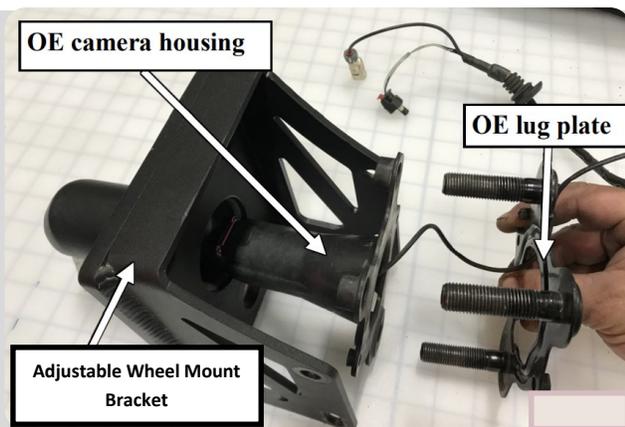
### Step 19:

Turn the tire carrier over, with 2 plastic pry bars on opposing sides and moderate force, pry up on the camera housing flanges without pinching the camera harness. If the base of the camera cone is heated sufficiently, the camera housing should pop out. If this does not happen within 10-20 seconds, repeat **Step 18** and try again.



### Step 20:

When the camera housing pops out, carefully remove the lug bracket, camera housing, and wiring harness from the **OE Carrier**.



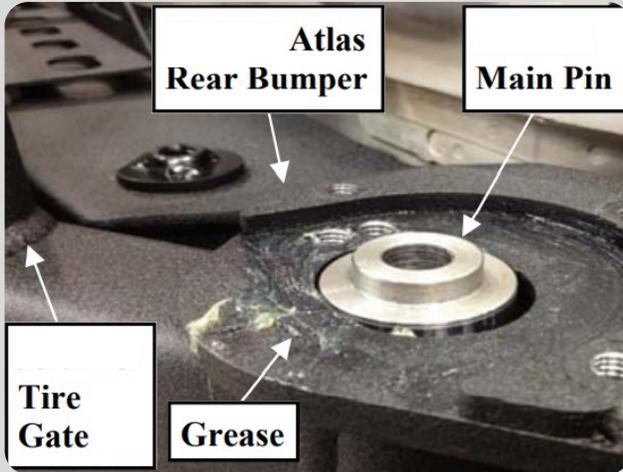
### Step 21:

Locate the **Adjustable Wheel Mount Bracket** and carefully install the **OE Camera Housing** and **OE Lug Plate** into it using the (2) **OE Screws**. Tighten these screws to **8ft-lbs**. Set this bracket aside for now.



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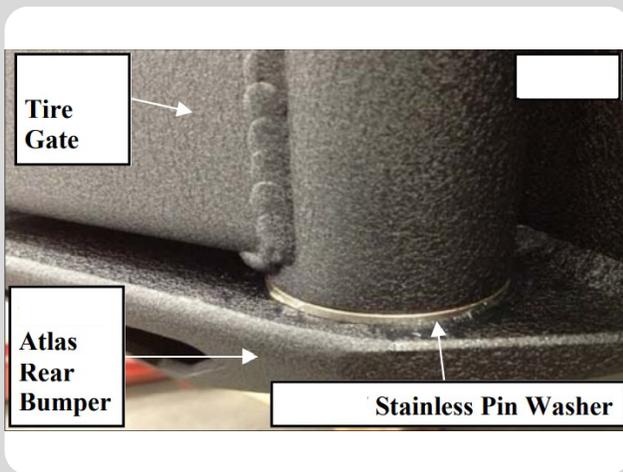
## Installation Instructions: Atlas Tire Carrier



### Step 22:

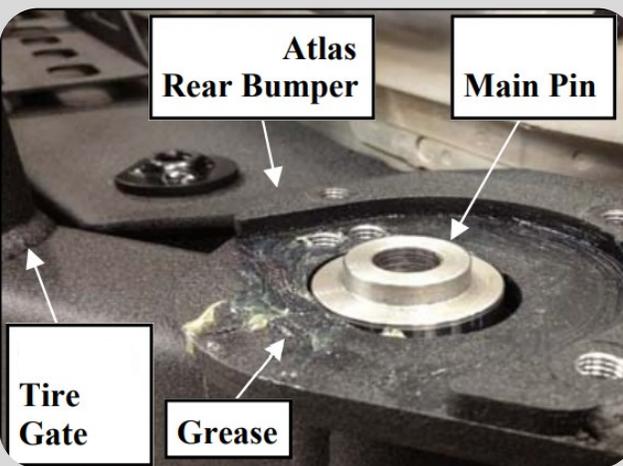
Grease the hole in the **Tire Carrier (77897-02)**, the **Main Pin**, the surface of the bumper the tire carrier sits on, and the location where the **Cam Wheel** rides on.

**If applicable:** Reinstall the **OE Trailer Harness and Bracket** using the included (2) **Trailer Harness Spacers** and (2) **M10-1.5x45mm Bolts**.



### Step 23:

With the help of a second person, carefully raise and install the **Tire Carrier** into the mounting pocket in the **Rear Bumper**. Install (2) **Stainless Pin Washers** one above and one under the **Tire Carrier**. If there is additional room, you may insert 1 or 2 additional **Stainless Pin Washer(s)** above and/or below to close the gap.



### Step 24:

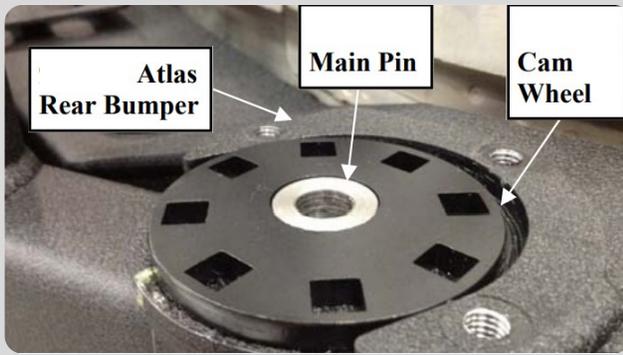
Slide the **Main Pin** down through the hole in the **Rear Bumper**, **Stainless Pin Washers**, **Tire Carrier**, and into the lower hole in the bottom of the **Rear Bumper**.

**Note:** The pin will be installed with the reduced shoulder on top.



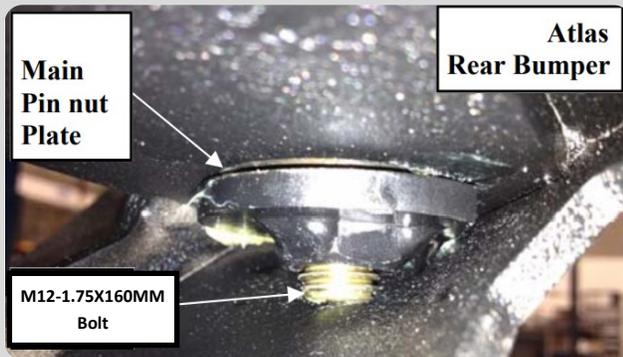
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# Installation Instructions: Atlas Tire Carrier



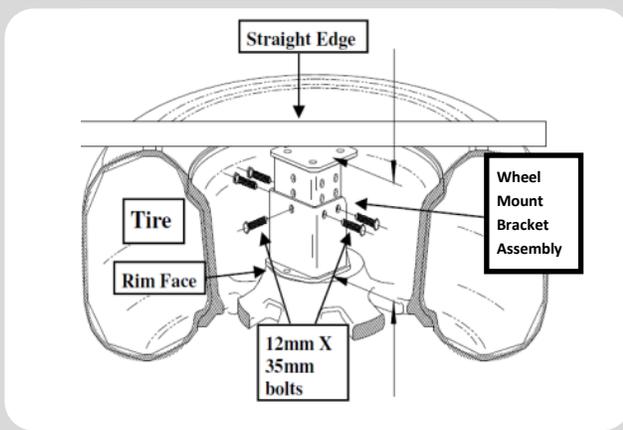
## Step 25:

Close the **Tire Carrier**. Install the **Cam Wheel** over the **Main Pin** shoulder. Install the supplied **M12-1.75x160mm Bolt** and **M12 Large OD Flat Washer** through the **Main Pin** down to the bottom hole in the **Rear Bumper**.



## Step 26:

Fish the **Main Pin Nut Plate** in through the access hole in the **Rear Bumper**. Thread the **M12 Bolt** through the threads in the **Main Pin Nut Plate**. Do not tighten the hardware yet. Leave the wire on the **Main Pin Nut Plate** on for now.

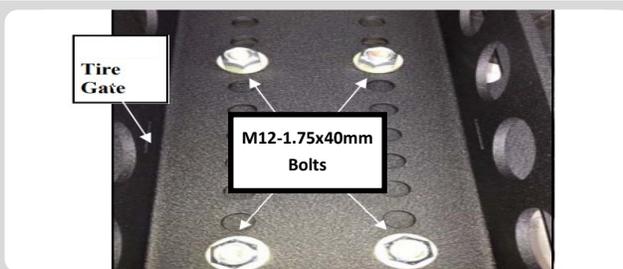


## Step 27:

For proper alignment, use a straight edge on the backside of the tire. Line the **Stationary Bracket** up with the straight edge as shown. Assemble the wheel mount bracket (**Adjustable Bracket** and **Stationary Bracket**) inside the wheel using the supplied (5) **M12-1.75x35mm Bolts**, (10) **M12 Flat Washers**, and (5) **M12-1.75 Nylock Nuts**.

Torque bolts to spec found on **Page 21**.

**Note: If possible, it is better to have the tire fit tighter against the straight edge/ tire carrier to avoid excess vibration.**



## Step 28:

Install the **Wheel Mount Bracket Assembly** to the **Tire Carrier** using the included (4) **M12-1.75x40mm Bolts**, (8) **M12 Flat Washers**, and (4) **M12-1.75 Nylock Nuts**. **Tip: For off-road applications raise the tire position for more departure angle. For street driven applications, lower the tire position for better rear window visibility.**



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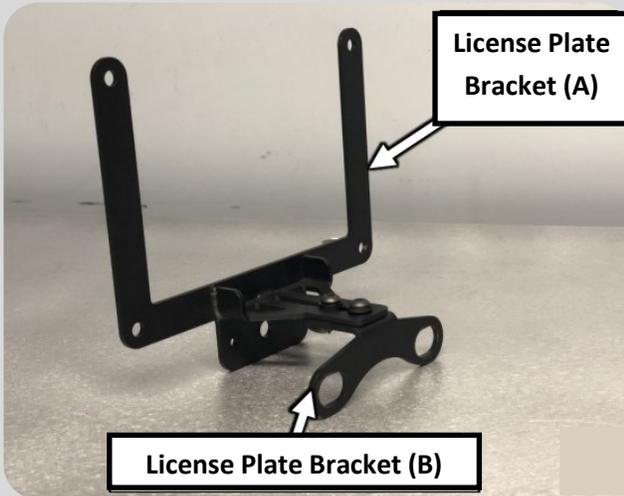
## Installation Instructions: Atlas Tire Carrier



### Step 29:

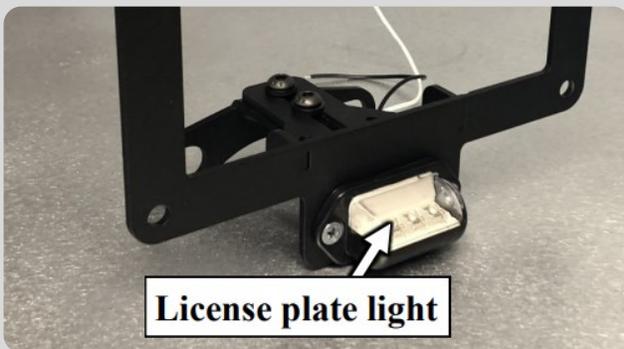
Install the spare tire to the wheel mount bracket using the supplied (3) M14-1.5 Lug Nuts. Torque to 65ft/lb.

**Note:** Be sure the double-sided lug nuts are installed at the top.



### Step 30:

Install License Plate Bracket (A) to License Plate Bracket (B) using the 2 included M6-1.0x12mm Bolts and M6 Flat Washer, leave loose at this time.



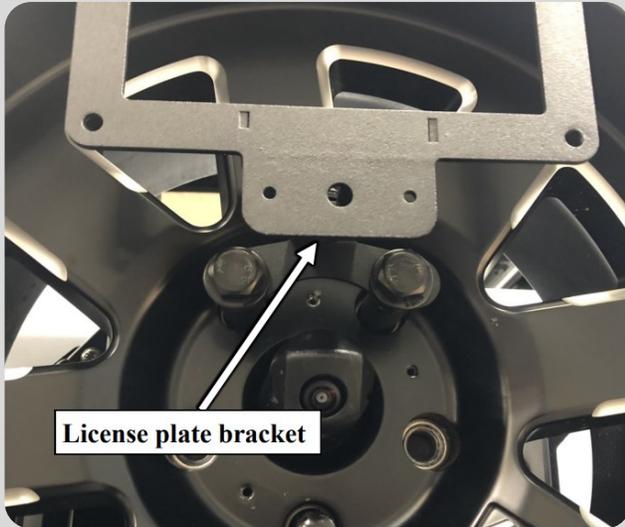
### Step 31:

Install the License Plate Light to License Plate Bracket (A) using the included (2) M4-0.7x14mm Bolts, (2) M4 Flat Washers, and (2) M4-0.7 Nylock Nuts.



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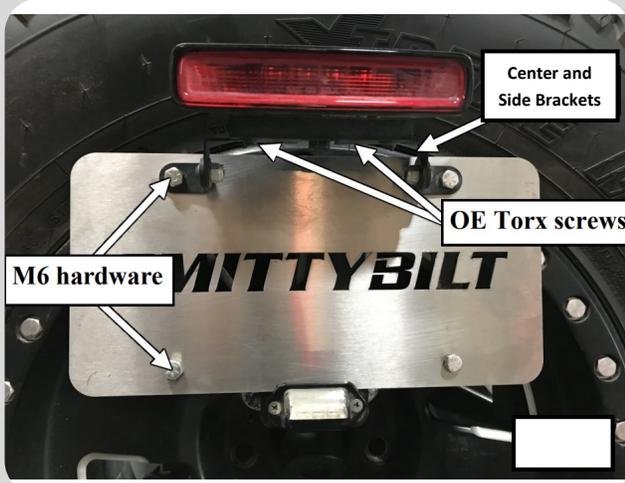
## Installation Instructions: Atlas Tire Carrier



### Step 32:

Secure the **License Plate Bracket Assembly** using the included (2) **M14-1.5x20mm Bolts** and **M14 Flat Washers**.

Use the included **8ft License Plate Light Extension** to connect the new license plate light to the OE harness. Neatly run this wire from the OE harness, up the pivot side of the carrier. Use zip ties to hold the cable to the swingarm. Be cautious of pinch points. Do the same for the **3rd Brake Light Extension** and **Camera Extension**.



### Step 33:

Then, install your license plate and third brake light assembly (**Center and Side Brackets**) to the license plate bracket assembly using the included (4) **M6-1.0x12mm Bolts**, (4) **M6 Flat Washers**, and (4) **M6 Nylock Nuts** as shown.

**Note:** If using lights, now would be a good time to install them. Use the included light tabs and M10 hardware to mount any pair of 2" cube lights to the Tire Carrier in the spaces shown. Install per the manufacturer's instructions.



### Step 34:

If you are installing a Trail Jack, secure the (2) **Jack Mounting Brackets** to the upper tube of the **Tire Carrier** using the supplied (2) **M8 U-bolts** and hardware.



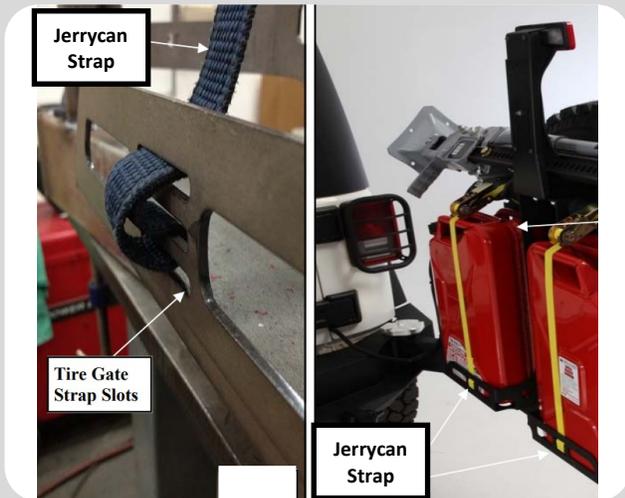
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# Installation Instructions: Atlas Tire Carrier



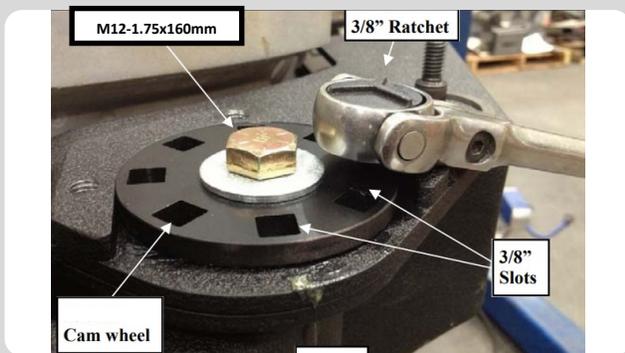
## Step 35:

Install the Trail Jack to the previously installed Jack Mounting Brackets using the supplied (2) M12-1.75x30mm Bolts and Washers. Check that the Tire Carrier opens fully and that the Trail Jack does not contact the body of the Jeep®. Torque the M8 U-bolt hardware to 25 ft/lb and the M12 hardware to 55 ft/lb.



## Step 36:

If you are installing a gas cans, install the gas cans with the spouts facing toward the outside of the Tire Carrier, using the supplied Jerrycan Straps (76896-03). Lace the Jerrycan Strap through the Tire Carrier slots as shown.



## Step 37:

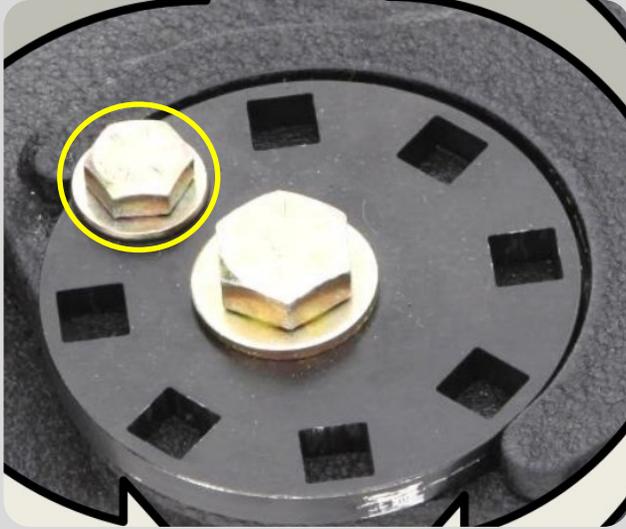
With the Tire Carrier fully loaded, adjust the Cam Wheel to make sure carrier closes properly. Using a 3/8" ratchet, insert the ratchet into the Cam Wheel and rotate the cam wheel until it lifts the weight of the carrier. Inspect and ensure the latch and striker mate properly.



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## Installation Instructions: Atlas Tire Carrier



### Step 38:

Once the striker and latch are aligned properly, install the **M8-1.25x15mm Allen head bolt** through the window in the cam wheel to lock it in place. Torque the **M8 bolt to 18 ft/lb**. Torque the previously installed **M12-1.75x160mm Bolt to 80 ft/lb**.



### Step 39:

Install the **Billet Cam Wheel Cap** using the (3) supplied **M8-1.25x25mm Allen Head Bolts**. Torque cap bolts to **10 ft/lb**.

**Be sure to grease the carrier using the included zerker fitting.**

**Be sure to view all the regular maintenance information on Page 20.**



### Step 40:

**Installation is now complete.**



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## Installation Instructions: Tire Carrier Adjustments

The goal for adjusting the tire swing is to have the striker pin line up with the center of the latch while also having the latch in the highest position possible. If latch is set too low, it will be difficult to open the tire swing using the tire swing latch handle. Always use caution when adjusting tire swing , take care to avoid bumper to tire swing contact during setup. Use a piece of cardboard between swing and bumper for protection.

When adjusting tire swing, there are **3** adjustments that can be made. All **3** may need to be adjusted for the smoothest operation.

1. **Cam wheel (used for major adjustments)**
2. **Latch**
3. **Striker pin**

Step 1: Loosen latch , raise to highest position and snug bolts.

Step 2: Loosen striker pin and raise to the highest position and tighten striker pin .

Step 3: Adjust cam wheel so that latch lines up as close to center as possible with the striker pin. Tighten cam wheel bolt and re-install cam wheel retainer bolt.

Step 4: If everything lines up and operates smoothly, re-check torque on all fasteners and re-install cam cover if equipped.

Step 5A: If striker is slightly below the center of the latch, loosen latch bolts and re-align latch and tighten hardware. Re-check operation.

Step 5B: If striker is slightly above center of latch, loosen striker pin and align with center of latch. Tighten hardware and check operation.

Step 5C: If striker is centered on latch and is difficult to open tire swing .

1. Latch may be too close to the striker pin. If putting pressure on the tire allows for the latch to operate easier, latch is too close to striker pin. Loosen latch and move away from striker pin.
2. Latch may be set too low, re-adjust striker, latch and cam so the latch will sit slightly higher up.

**NOTE: Periodically lube latch mechanism with Break-Free CLP or other high quality lube/protectant.**



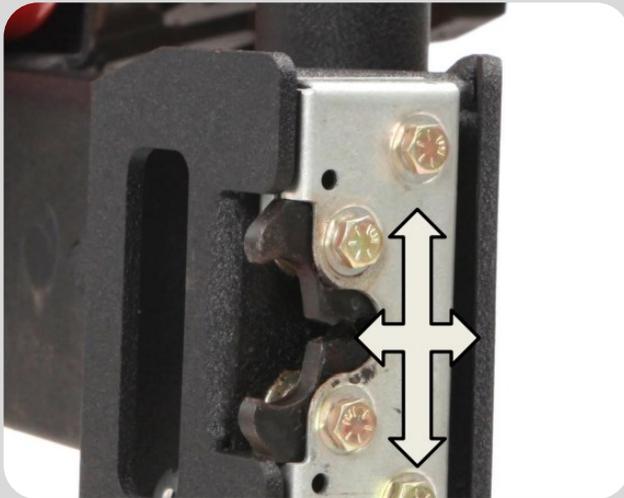
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## Installation Instructions: Tire Carrier Adjustments



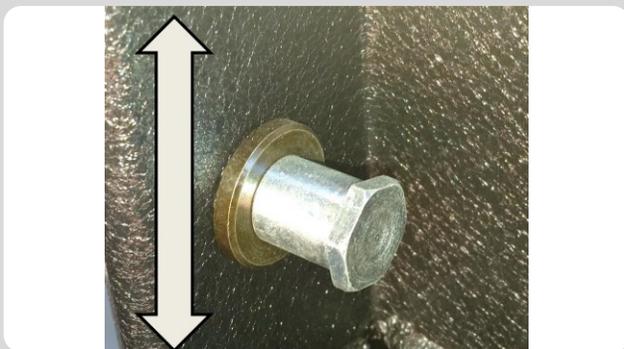
### Cam Wheel Adjustments:

For major adjustments of the overall tire swing height, adjust the **Cam Wheel** by removing the **Billet Cam Wheel Cap** and the **M8-1.25x15mm Bolt** and rotate it using a **3/8" Ratchet or Breaker Bar**.



### Latch Adjustments:

The latch can be adjusted both up and down as well as in and out. This can be done by loosening the **(4) Latch Bolts** and adjusting as needed.



### Striker Pin:

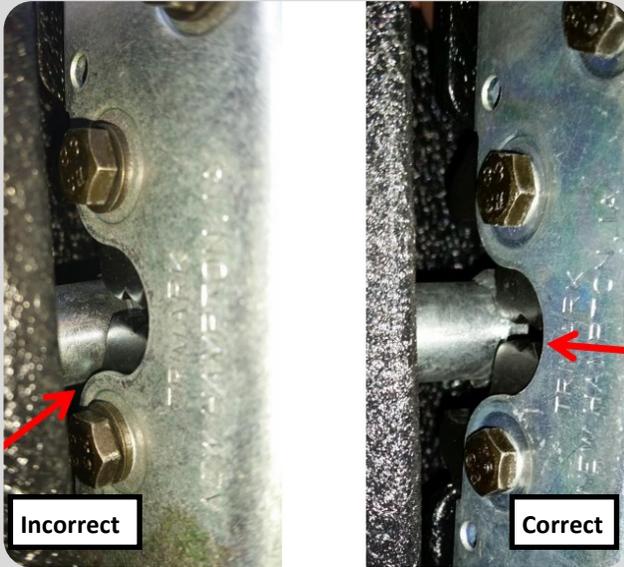
The **Striker Pin** can be adjusted up and down for fine tuning. To adjust loosen the end of the **Striker Pin** while holding the retaining nut (located on the backside of the bumper).

**Note: Add thread-locker to the threads of the Striker when adjusting.**



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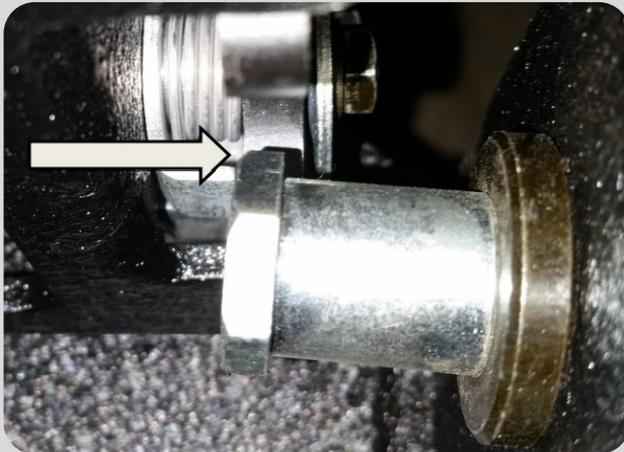
## Installation Instructions: Tire Carrier Adjustments



### Latch and Striker Alignment:

**Incorrect:** Latch sitting too high. Center line of striker pin does not line up with the center line of the latch.

**Correct:** Center line of latch and striker pin line up.



### Latch and Striker Alignment:

1. Make sure the end of the striker pin does not contact the tire swing.
2. Make sure the latch teeth sit on the round part of the striker pin.
3. Adjust by adding or removing flat washers between the striker pin and the bumper.

### Regular Maintenance:

1. Grease the **Tire Carrier** pivot point every 4-6 months.
2. Lubricate the **Latch** with CLP Break-free or other high quality lubricant regularly.
3. Be sure to adjust the **Tire Carrier** when adding or removing weight to be sure not to damage the finish of the **Bumper** and/or **Tire Carrier**.
4. Wash the **Bumper** and **Tire Carrier** regularly using mild car wash soap. To protect the finish, wax regularly with carnauba automotive wax.
5. Do not use any abrasive brushes or chemicals on the finish.
6. **Retorque all installed hardware 500 miles after installation and regularly thereafter.**

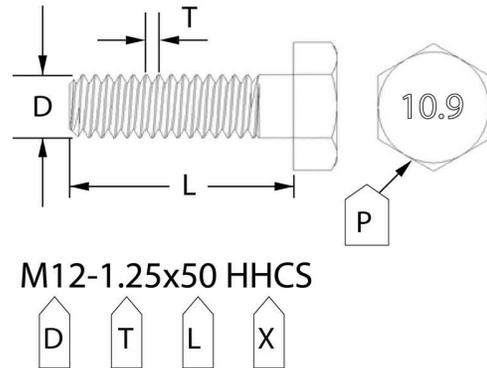
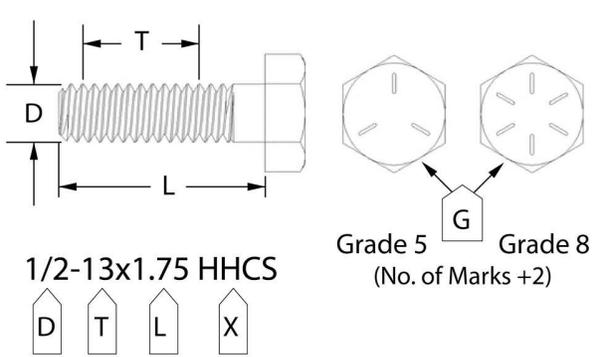


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# Bolt Torque Specifications

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

<b>Bolt Torque and ID</b>						
Decimal System			Metric System			
<i>All Torques in Ft. Lbs. Maximums</i>						
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.

## 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 **Atlas Bumper with 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 with tire carrier, 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 with tire carrier 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 of part replacement of the bumper and/or tire carrier. SAP will, at its sole discretion, provide replacement part(s) for a defective bumper and/or tire carrier 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 and/or tire carrier has/have 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 and/or tire carrier are used for any commercial, industrial, or rental applications. This warranty only applies to bumper with tire carrier 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](mailto:info@smittybilt.com)



**WARNING: Cancer and Reproductive Harm**  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



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