



# Installation Instructions:

(Part # SB2843 HD)  
2007-2014 Jeep JK HD Tire Carrier Kit

**NOTE: Carefully read entire instructions thoroughly before attempting to install this part.**

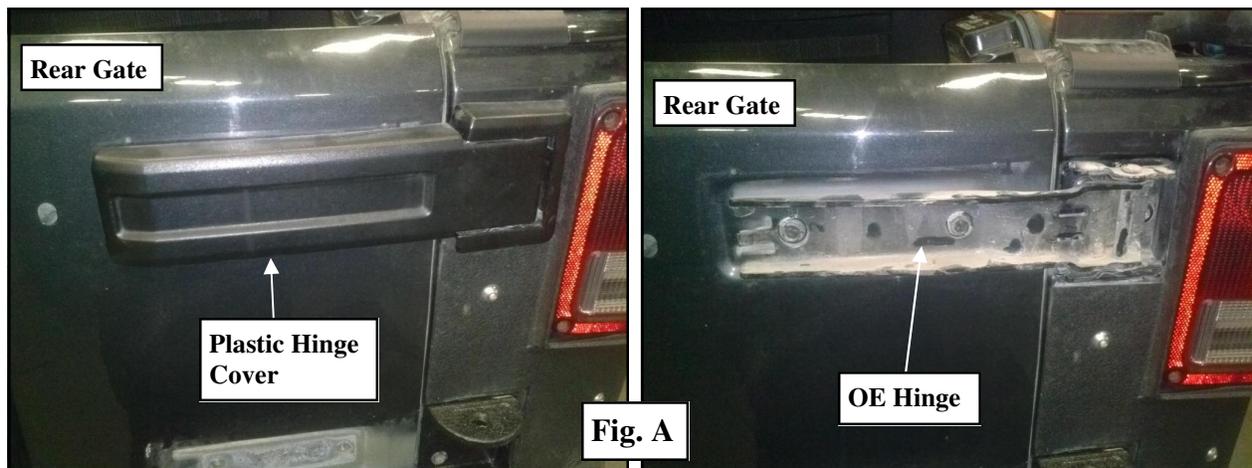
Parts Included	Qty	Parts Included	Qty
HD Tire Carrier	1	12mm-1.75.X 35-40mm Hex Head Bolt Gr. 8.8	4
93-9183 Tire Mount Bracket Base	1	12mm- 1.75 Nylock Nut	4
93-9187 Tire Mount Bracket	1	12mm Flat Washer	4
93-356CA100 Tire Gate Mount	1	6mm-1.0 X 20mm Hex Head Bolt Gr. 8.8	4
90-4560 Wheel Mount Stud: 1/2"-20	3	6mm- 1.0 Nylock Nut	4
90-4219 Lug Nuts: 1/2"-20	3	6mm Flat Washer	8
90-6913 Hardware Pack: Wheel Mount	1	8mm-1.25 X 40mm Hex Head Bolt Gr. 10.9	8
10mm-1.0 X 30mm Hex Head Bolt Gr. 8.8	5	8mm Flat Washer	8
10mm Nylock Nut	5	8mm Lock Washer	8
10mm Flat Washer	10	Third Brake Light Lower Bracket	1
		Third Brake Light Upper Bracket	1

## INSTALLATION:

**Step 1:** Place the vehicle on a flat, level surface and engage the parking brake.

**Step 2:** Remove the spare tire and unbolt and remove the **OE** rear tire mount from the rear gate. Remove the **OE** third brake light assembly according to manufacturer's specifications.

**Step 3:** Carefully, remove the upper and lower **OE** plastic rear gate hinge covers. (Fig. A)



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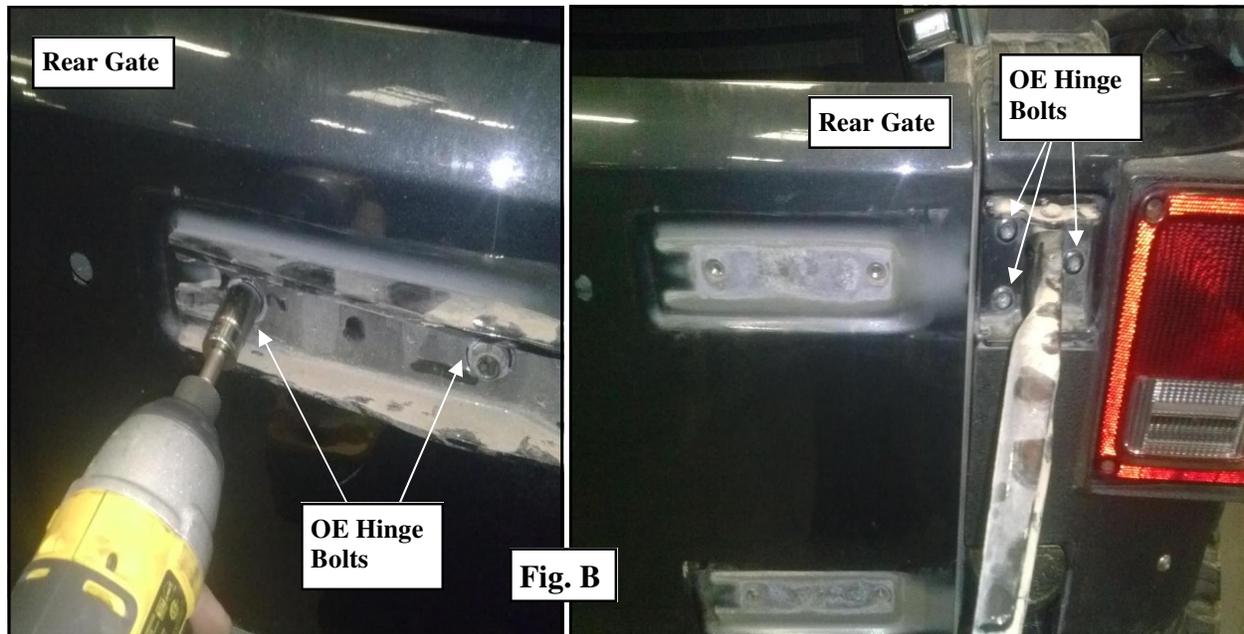
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**Step 4:** Using masking tape, secure the rear gate in place. Unbolt the (10) OE bolts securing the upper and lower OE hinges to the rear gate. Save the OE hardware for reinstallation. (Fig. B)

**NOTE:** Place a block of wood between the bumper and the tailgate, placing slight pressure on both. This will prevent tailgate misalignment when OE hardware is removed.



**Step 5:** Lift the HD tire carrier into place and secure to OE hinge points using the previously removed (4) OE bolts. Tighten the (4) OE hinge bolts. Make sure all remaining HD tire carrier mounting holes line up with existing holes in the rear gate before tightening the OE bolts. (Fig. C)

**NOTE:** If the tailgate moved, realign as necessary. Starting a few bolts in the remaining mounting holes will help to ensure the mounting holes are properly aligned.

**Step 6:** Torque the OE hinge bolts, starting with the outside bolts first, according to manufacturer's specifications. Carefully, open the rear gate and torque the inner hinge bolts according to manufacturer's.

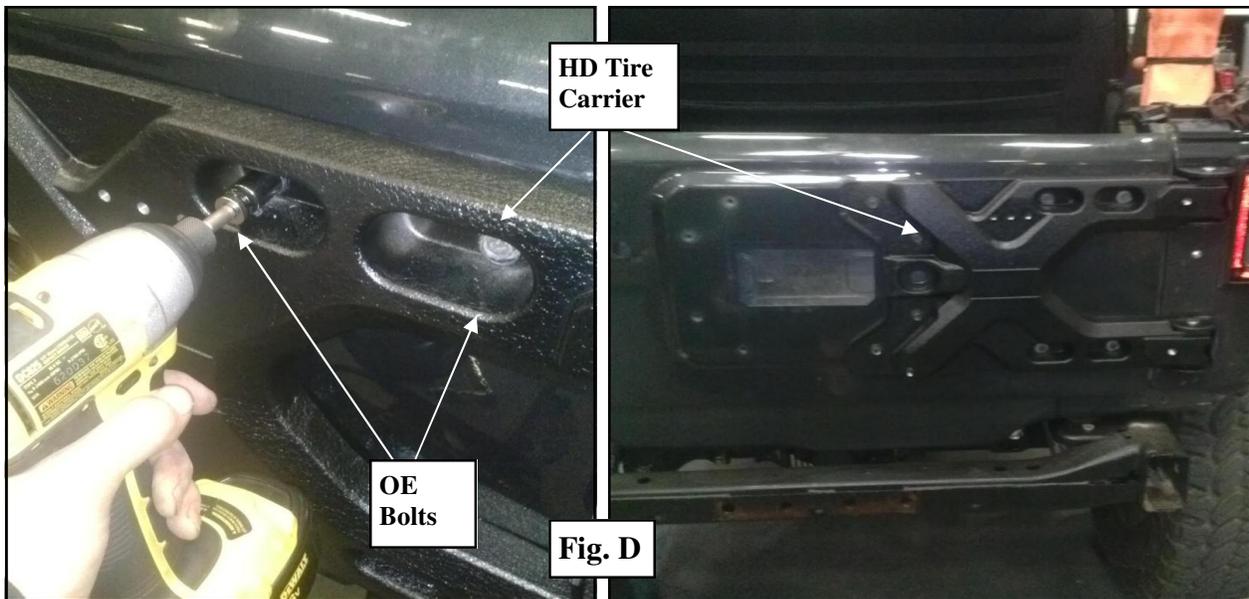
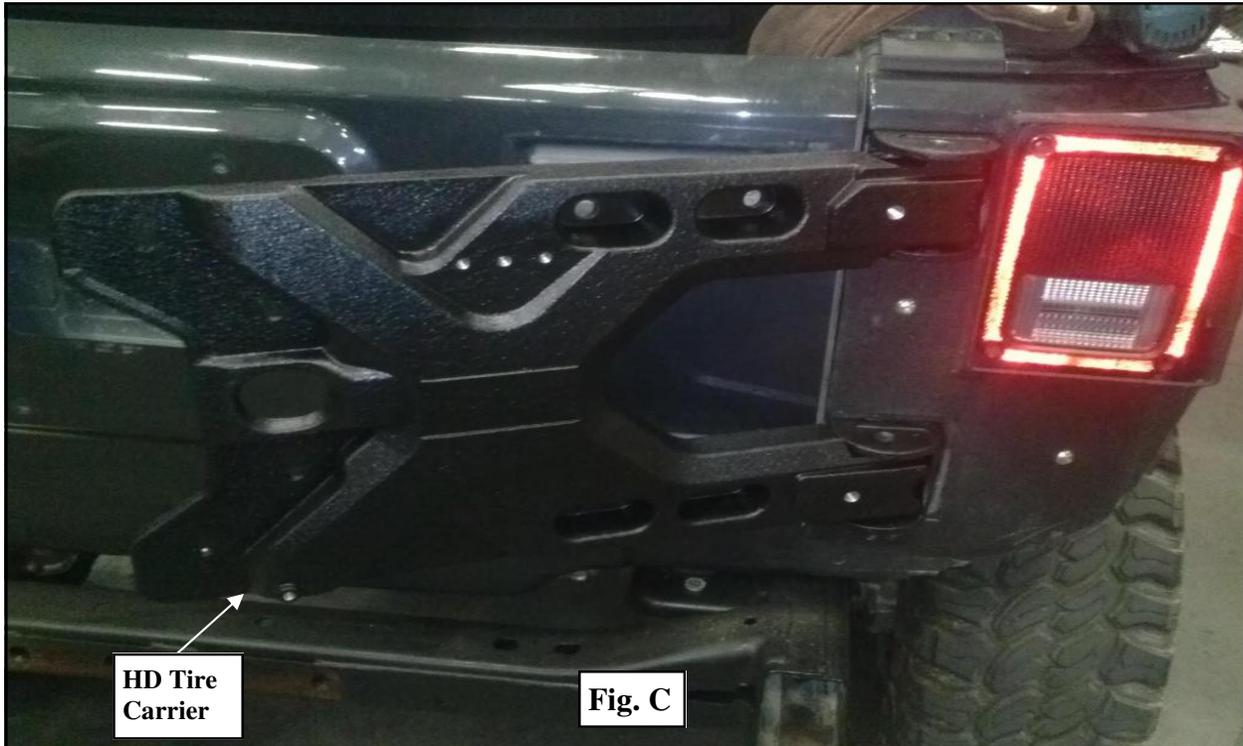
**NOTE:** It is recommended to apply medium strength (blue) threadlocker to the OE hinge bolts.

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**Step 7:** Press the wheel mount studs (90-4219), in your desired pattern, into the tire mount bracket base (93-9183). (Fig. E)

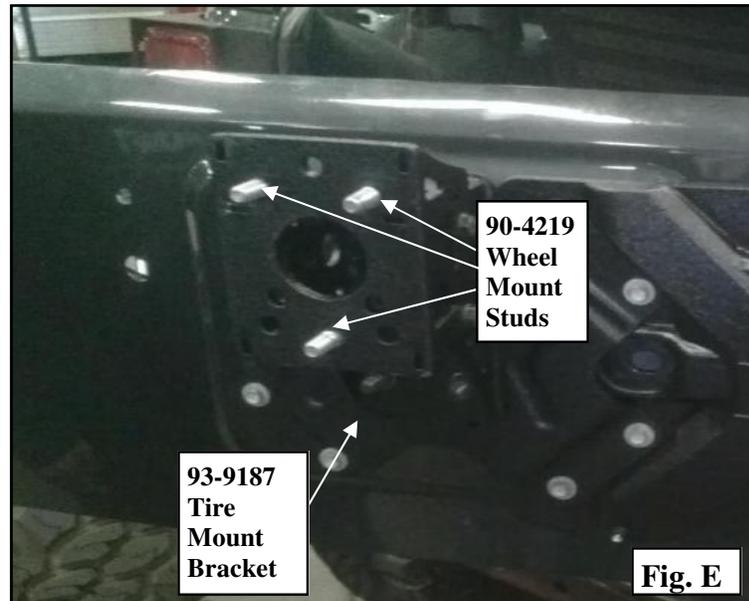
*NOTE: The studs may be pressed into place. DO NOT use lug nuts to install the studs.*

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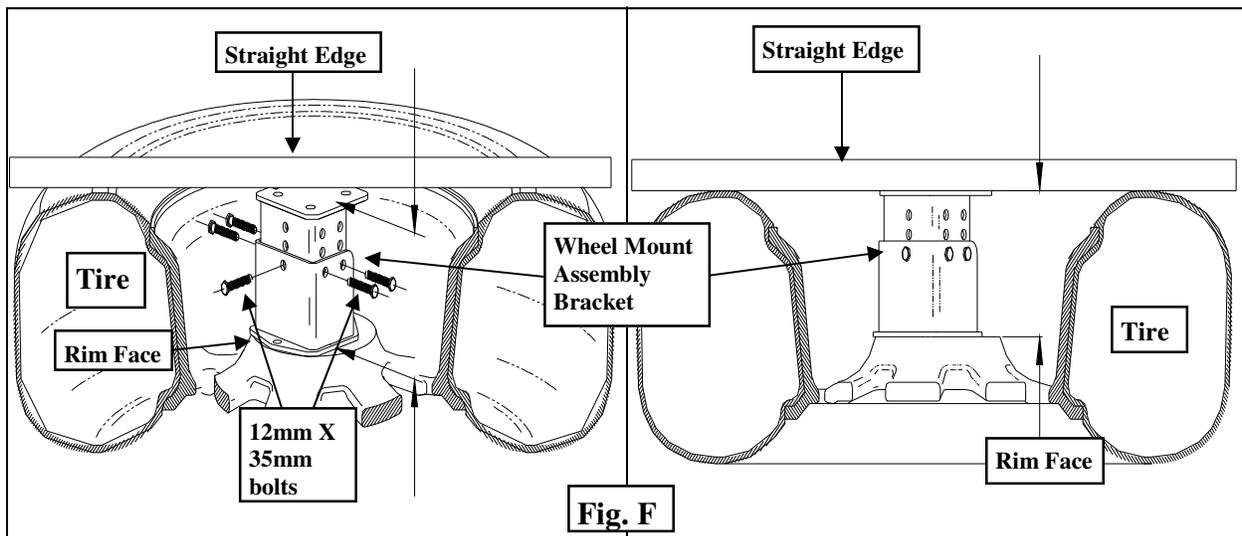
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**Step 8:** Assemble the wheel mount bracket (**tire mount bracket 93-9187 & tire mount bracket base 93-9183**) using the supplied (5) **10mm X 30mm** bolts and hardware. Leave the bolts loose at this time. Lay the spare tire face down on the ground and install the wheel mount bracket temporarily onto the spare tire. (**Fig. F**)

**Step 9:** With the spare tire face down, lay a ruler or a flat bar across the tire and adjust the wheel mount bracket assembly until the base makes contact with the ruler or flat bar. Torque the wheel mount bracket assembly bolts to **??** ft./lbs. (**Fig. F**)

**NOTE:** *The assembled bracket may not line up perfectly with the straight edge.*



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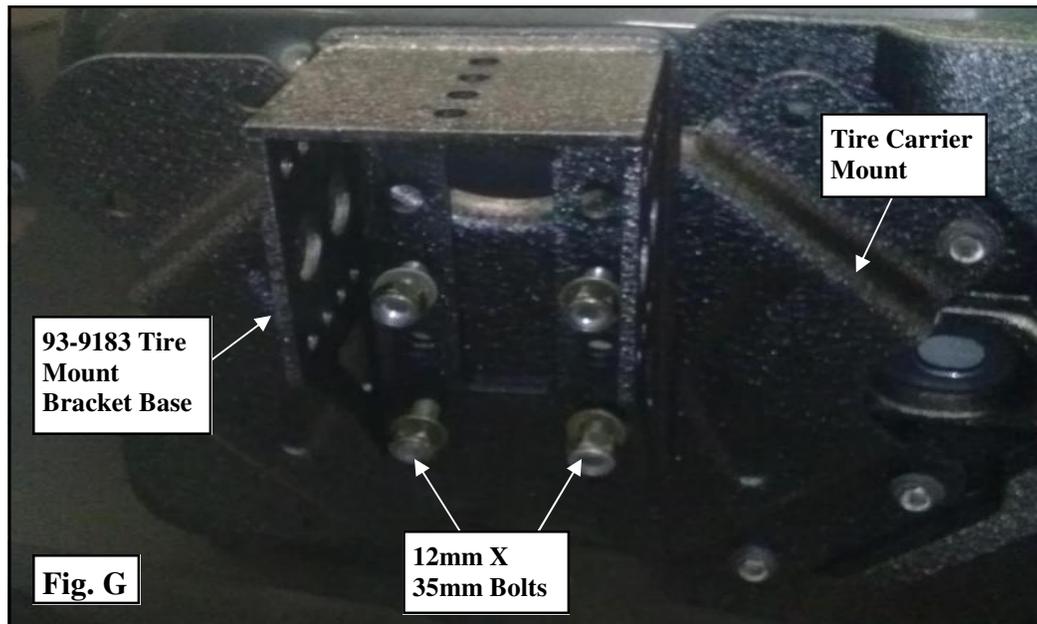
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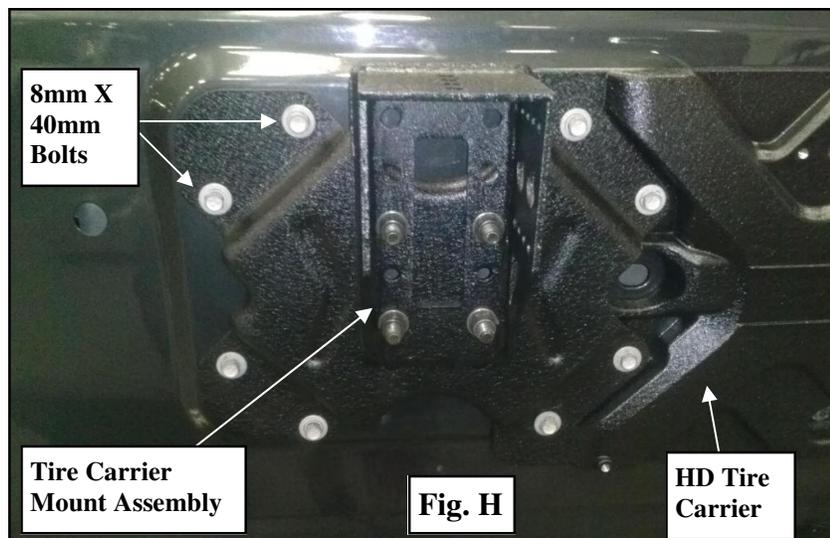
**Step 10:** Secure the tire mount bracket assembly (**outside**) and the 3rd brake light lower bracket (**inside**) to the tire carrier mount (**93-356CA100**) using the (4) supplied **12mm X 35mm** bolts and hardware. Torque **12mm** hardware to **80** ft./lbs. (Fig. G)

**NOTE:** *The size of the spare tire will determine the mounting height of the bracket. If possible, it is better to have the tire fit tighter against the straight edge/tire gate to avoid excess vibration.*

**TIP:** *For off-road applications, raise the tire position for more departure angle. For street driven applications, lower the tire position for greater rear window vision.*



**Step 11:** Secure the tire carrier mount assembly to the rear gate mounting holes and HD tire carrier using the (8) supplied **8mm X 40mm** bolts and washers. Torque the **8mm** hardware to **??** ft./lbs. (Fig. H)



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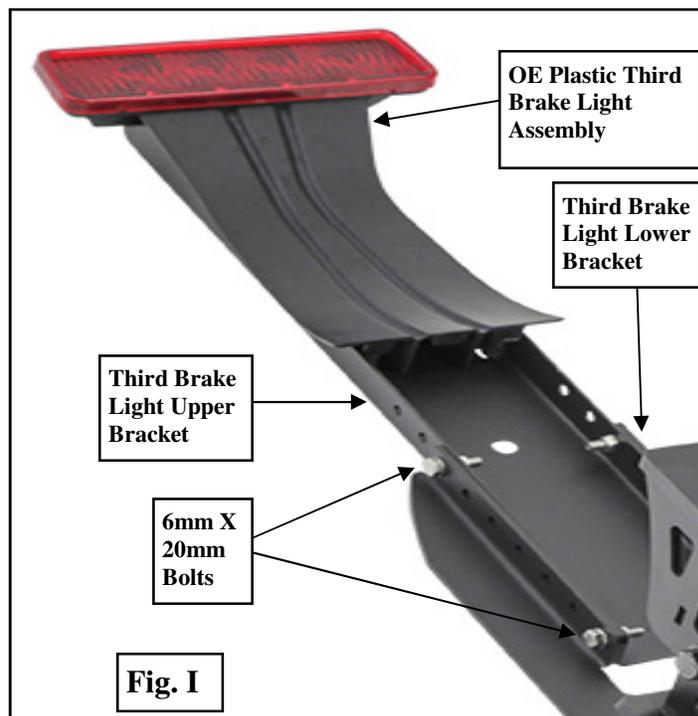
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**Step 12:** Install the spare tire to the tire mount bracket and secure using the supplied lug nuts (90-4219).

**Step 13:** If a third brake light is being used, install the third brake light upper bracket onto the third brake light lower bracket and secure using the (4) supplied 6mm X 20mm bolts and hardware. Torque 6mm hardware to ?? ft./lbs. (Fig. I)

**IMPORTANT!:** Be sure third brake light is mounted so it will be visible above the spare tire.



**Step 14:** Remove the (2) OE screws from the OE plastic third brake light assembly. Install the OE front plastic panel and lens into the new third brake light assembly using the (2) previously removed OE screws. (Fig. I)

**Step 15:** Depending on the mounting position of the third brake light assembly the wiring harness may need to be extended. Extend the third brake light wiring harness to the passenger side hinge, then up the tire gate. This can simply be done by splicing the wire and using some insulated butt splice connectors and 18 gauge wire, extend the wire to the appropriate length. It is recommended to have this done by an experienced electrical installer.

**IMPORTANT!:** Make sure there is enough slack in the wire throughout the tailgate travel.

**Step 16:** Adjust the HD tire gate assembly for level and re-torque mounting hardware as necessary.

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**Step 17:** Installation is now complete. (Fig. J)

**Step 18:** Periodically check and re-torque mounting hardware. Especially after off-road use.



### 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

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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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**Smittybilt, 400 W Artesia, Compton, CA 90220**