



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.

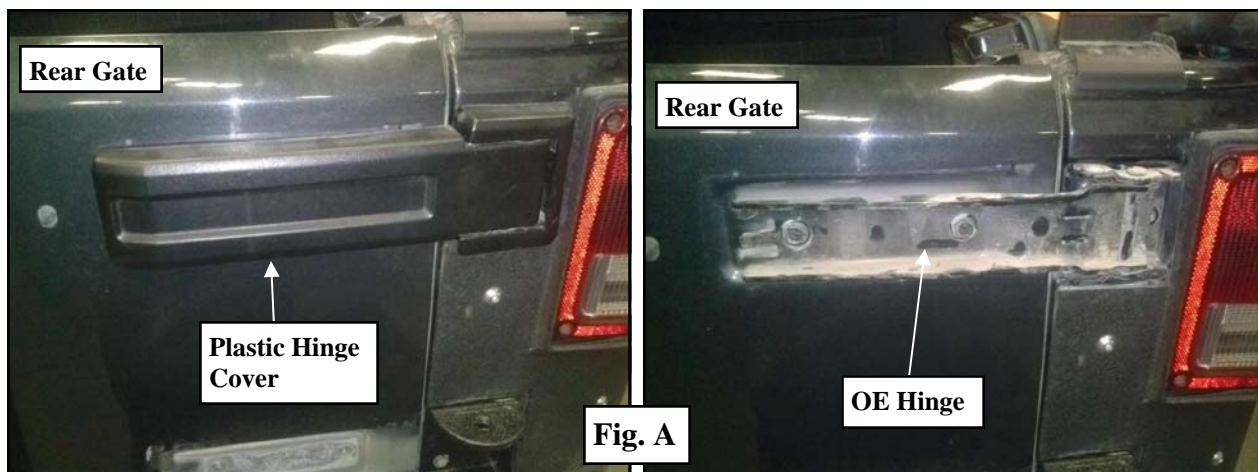
Parts Included	Qty	Parts Included	Qty
Tire Gate Hinge	2	90-4560 Wheel Mount Stud: 1/2"-20	3
HD Tire Gate	1	90-4219 Lug Nuts: 1/2"-20	3
Pivot Pin	2	90-6913 Hardware Pack: Wheel Mount	1
Retaining clip	2	3/8" X 1" Hex Head Bolt Gr. 8	5
93-9183 Tire Mount Bracket Base	1	3/8" Stover Nut	5
93-9187 Tire Mount Bracket	1	3/8" Hardened Flat Washer	10
93-356CA100 Tire Gate Mount	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. Save the **OE** hardware for reinstallation.

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



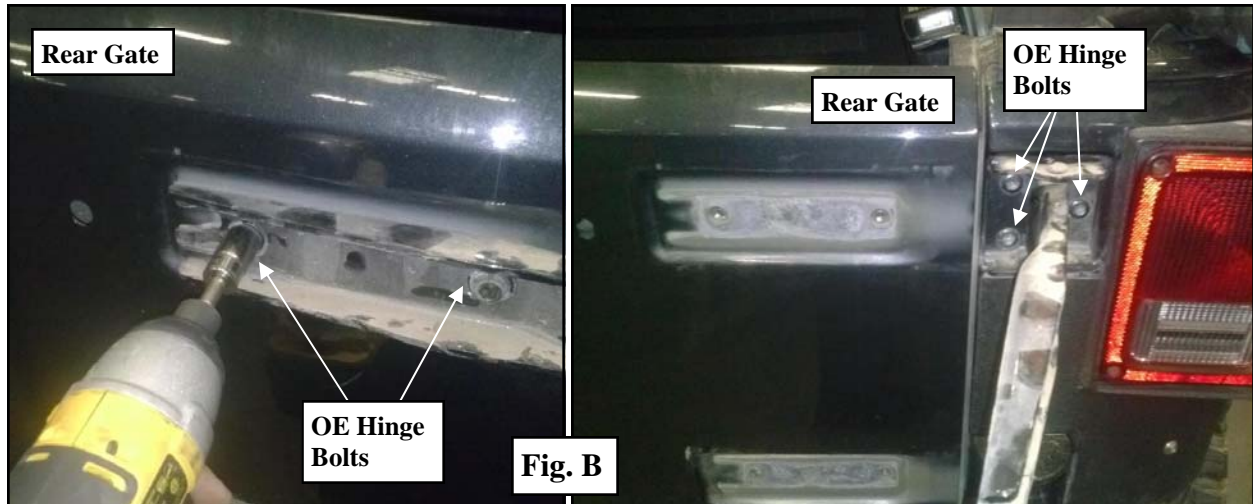
For Technical Support/Warranty Information please call 310-762-9944



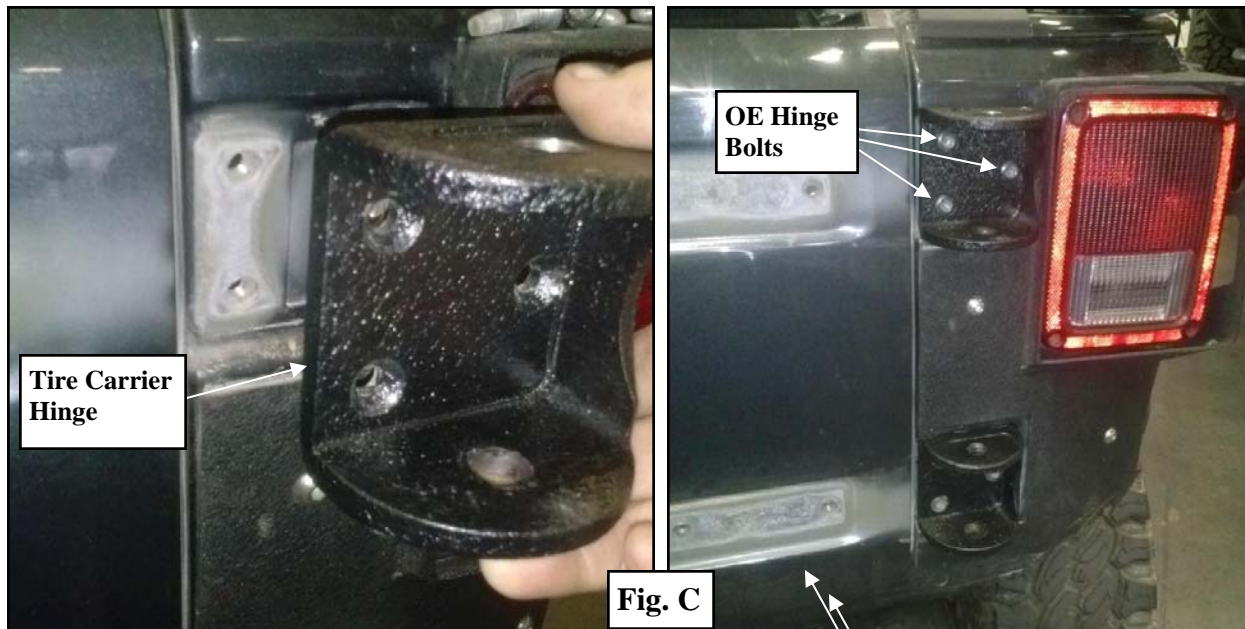
Installation Instructions:

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

Step 3: Unbolt the (10) OE bolts securing the upper and lower OE hinges to the rear gate. Save the OE hardware for reinstallation. (Fig. B)



Step 4: Install the supplied tire carrier hinges to the original rear gate mounting holes using the (3 per hinge) previously removed OE bolts. Leave the OE bolts loose at this time. (Fig. C)



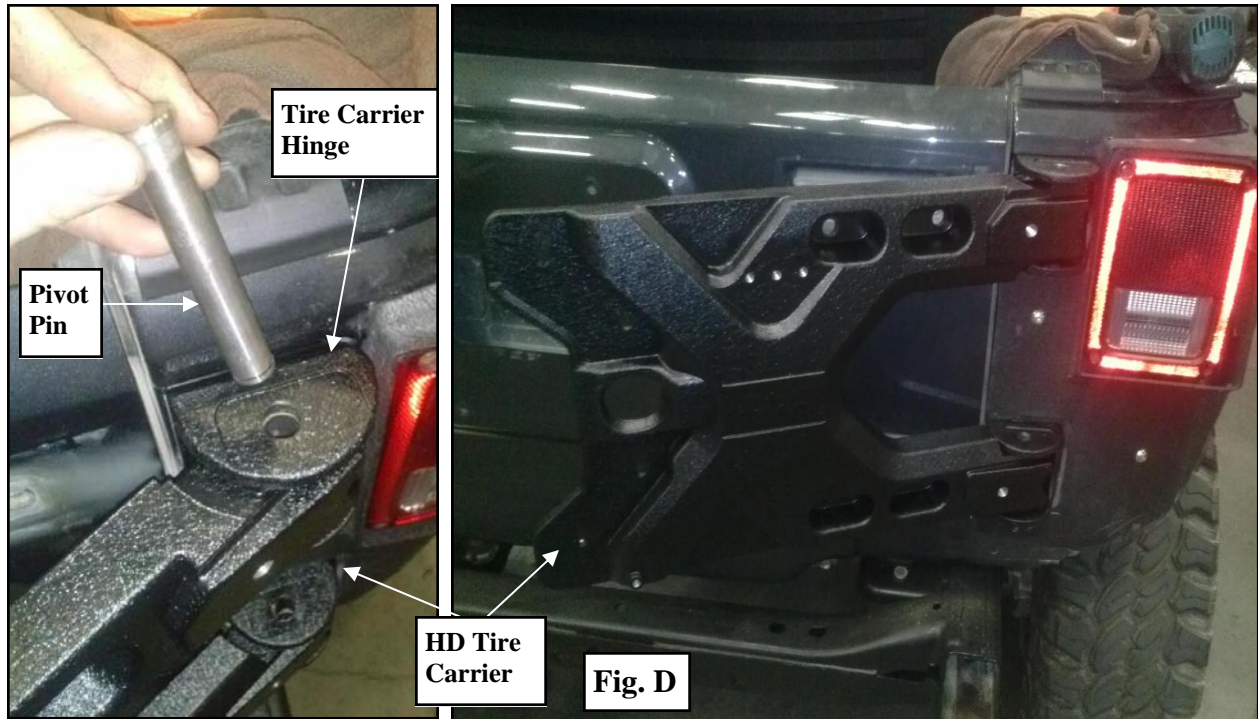
For Technical Support/Warranty Information please call 310-762-9944



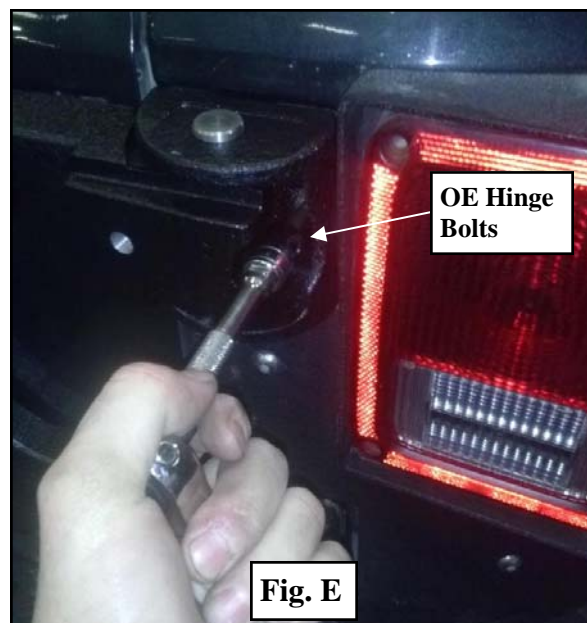
Installation Instructions:

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

Step 5: Lift the HD tire carrier into place inside the upper and lower HD tire carrier hinges and secure by inserting the (2) pivot pins in through the holes in the upper and lower HD tire carrier hinges and the HD tire carrier. Install the retaining clips to the pivot pins. (Fig. D)



Step 6: Torque the OE hinge hardware according to manufacturer's specification. (Fig. E)



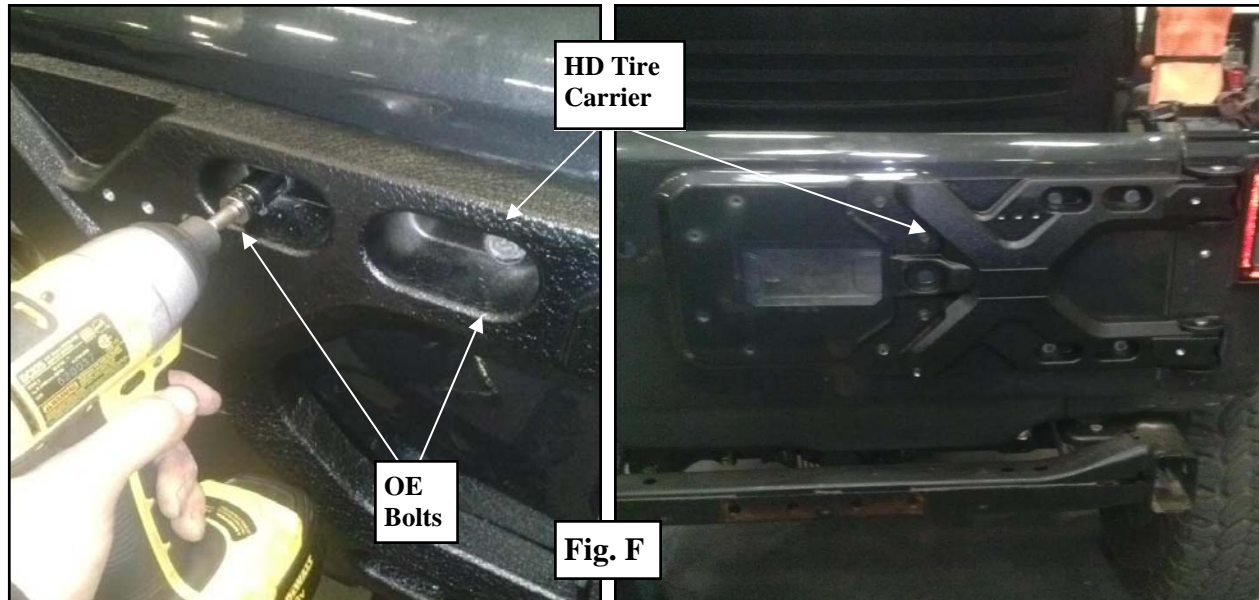
For Technical Support/Warranty Information please call 310-762-9944



Installation Instructions:

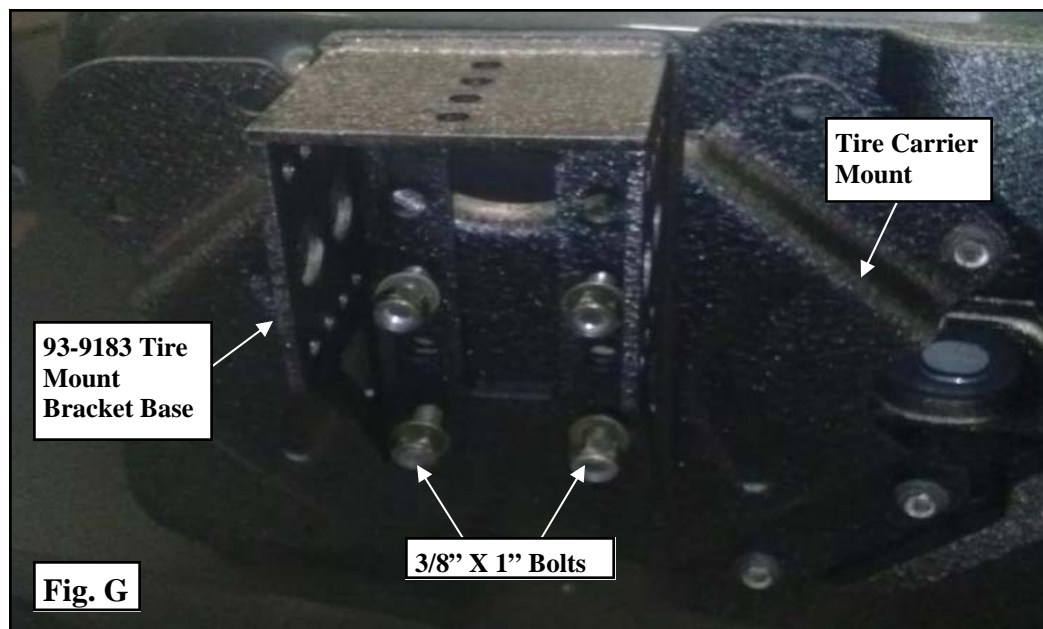
(Part # SB2843 HD)
2007-2014 Jeep JK HD Tire Carrier Kit

Step 7: Secure the HD tire gate to the rear gate mounting holes using the (4) previously removed OE bolts. Leave the OE bolts loose for adjustment at this time. (Fig. F)



Step 8: Fully open and close the tailgate. Torque the (4) previously installed OE bolts according to manufacturer's specifications.

Step 9: Secure the tire mount bracket base (93-9183) to the tire carrier mount (93-356CA100) using (4) the supplied bolts and hardware. (Fig. G)



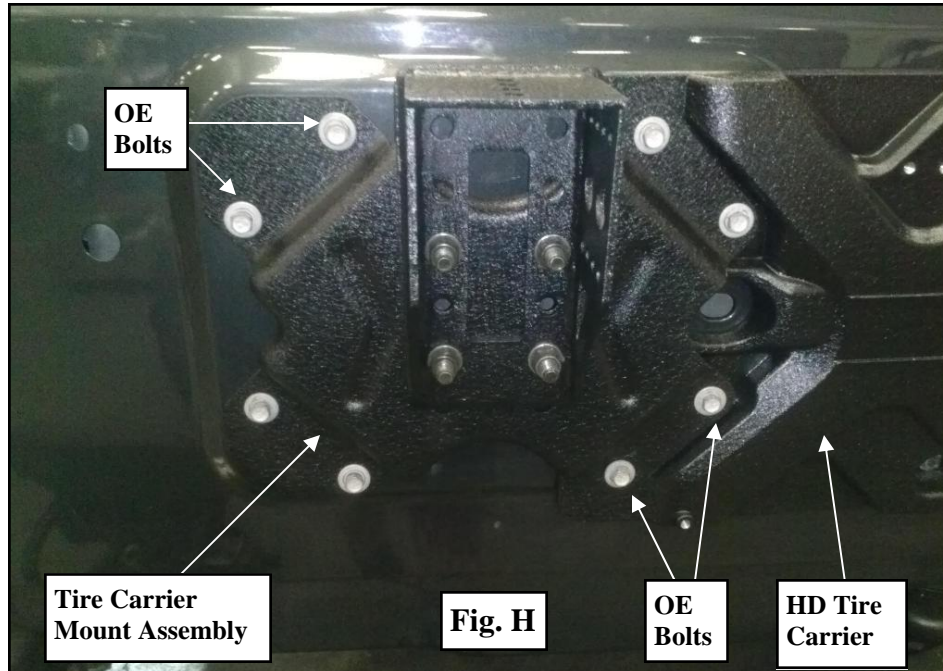
For Technical Support/Warranty Information please call 310-762-9944



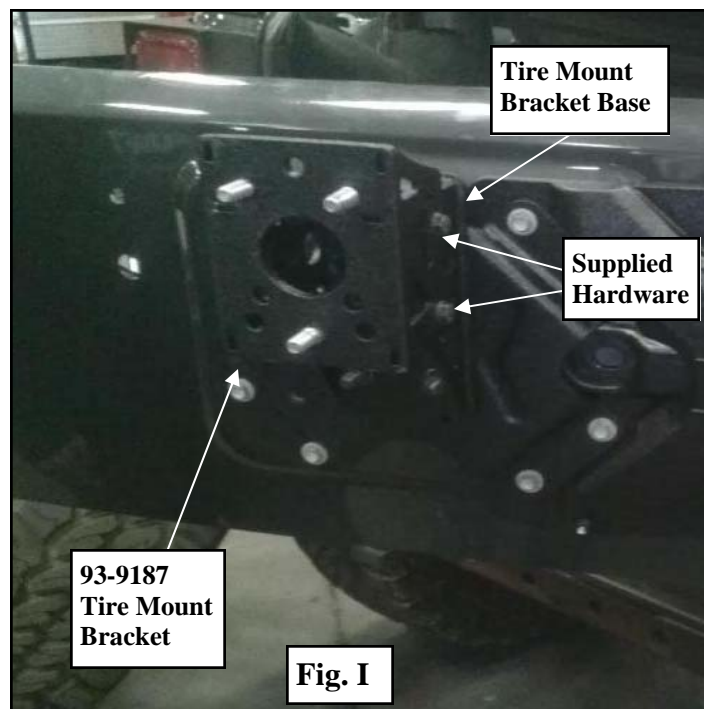
Installation Instructions:

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

Step 10: Secure the tire carrier mount assembly to the rear gate mounting holes and HD tire carrier using the (8) previously removed OE bolts. Leave the OE bolts loose for adjustment at this time. (Fig. H)



Step 11: Install the tire mount bracket (93-9187) to the tire mount bracket base (93-9183) using the (4) supplied bolts and hardware. (Fig. I)



For Technical Support/Warranty Information please call 310-762-9944



Installation Instructions:

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

Step 12: Adjust the HD tire gate assembly for level and torque the **OE** hardware according to manufacturer's specifications.

Step 13: Install the spare tire to the tire mount bracket and secure using the supplied lug nuts (90-4219). (Fig. J)



Step 14: Installation is now complete.

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

For Technical Support/Warranty Information please call 310-762-9944



Installation Instructions:

(Part # SB2843 HD)

2007-2014 Jeep JK HD Tire Carrier Kit

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

<p>1/2-13x1.75 HHCS</p> <p>D T L X</p> <p>Grade 5 Grade 8 (No. of Marks + 2)</p>	<p>M12-1.25x50 HHCS</p> <p>D T L X</p>
<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>	<p>P = Property Class (Bolt Strength) D = Nominal Diameter (Millimeters) T = Thread Pitch (Thread Width, mm) L = Length (Millimeters) X = Description (Hex Head Cap Screw)</p>

For Technical Support/Warranty Information please call 310-762-9944



Installation Instructions:

(Part # SB2843 HD)

2007-2014 Jeep JK HD Tire Carrier Kit

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.

For Technical Support/Warranty Information please call 310-762-9944