



Installation Instructions:

(Part # SB612830)

2008-2010 Ford Super Duty
F-250/F-350 M1 Front Bumper Kit

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

Parts Included	Qty
93-7290 Front Bumper	1
93-7311 Bumper Horn Mount	2
93-7314 Window Backing: Driver	1
93-7315 Window Backing: Passenger	1
93-7316 Window Bezel: Driver	1
93-7317 Window Bezel: Passenger	1
90-7318 Fog Light Bracket: DLAA LA5070	2
93-7484 Jack Pad	1
90-6812 Hardware Pack: Front Bumper	1
1/2" X 1 1/2" Hex Bolt Gr. 8	12

Parts Included	Qty
1/2" X 1 1/2" Hex Bolt Gr. 8	6
1/2" Stover Nut	18
1/2" SAE Hardened Flat Washer	36
1/4"-20 X 3/4" Hex Bolt Gr. 8	8
1/4"- 20 Nylock Nut	8
1/4" SAE Hardened Flat Washer	16
#10-24 X 3/4" Stainless Button Head Bolt	8
#10-24 Nylock Nut	8
#10-24 SAE Flat Washer	8
S/B612800-01 3 1/2" Clear Driving Light Kit	1
S/B612800-02 2 1/2" Amber Driving Light Kit	1

INSTALLATION:

Step 1: Unclip the wiring harness for the fog lights in the OE front bumper.

Step 2: Unbolt and remove the OE hood release latch. Keep the OE bolt and nut plate for reinstallation. (Fig A)



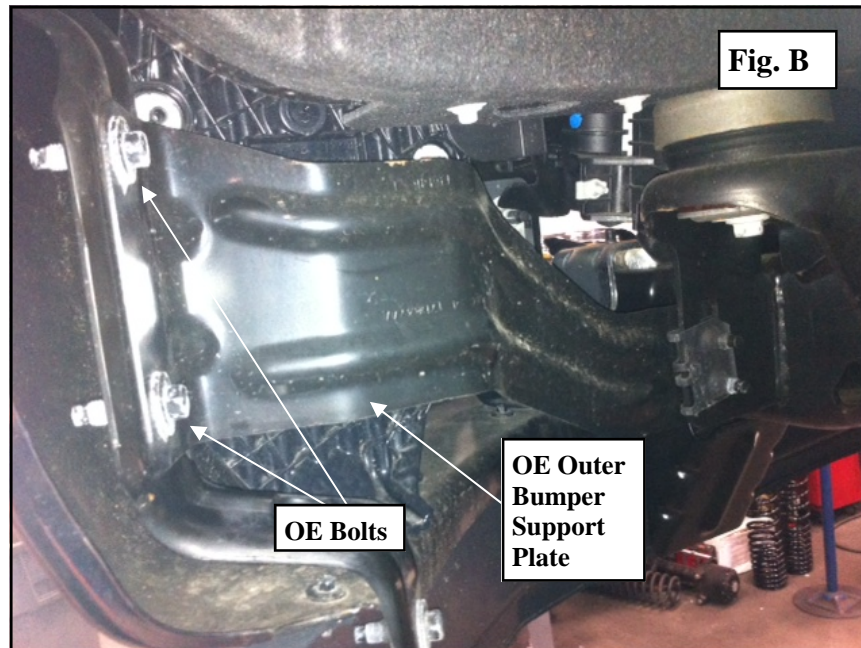
Step 3: Unbolt and remove the OE outer bumper support plates if your vehicle came equipped with them. (Fig B)

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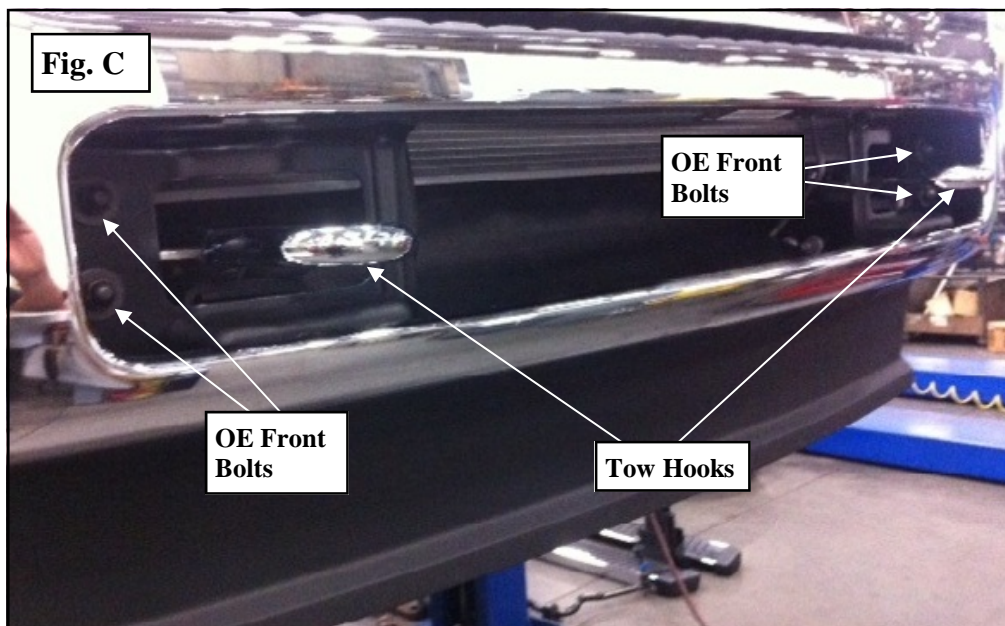


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(Part # SB612830)
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Step 4: Remove the OE vertical front bumper bolts (2 per side next to the tow hooks) from the front of the bumper. (Fig C)



Step 5: Unbolt and remove the tow hook bolts (3 per side). Remove the hooks from the vehicle. (Fig D)

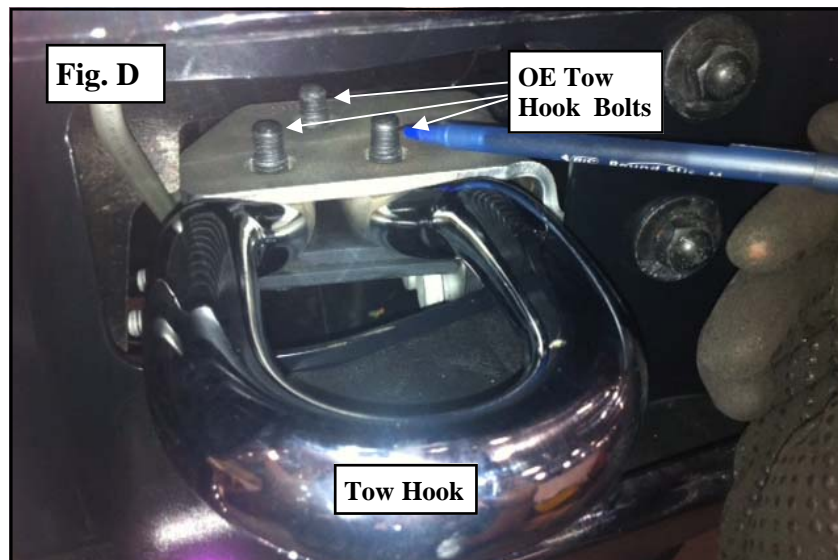
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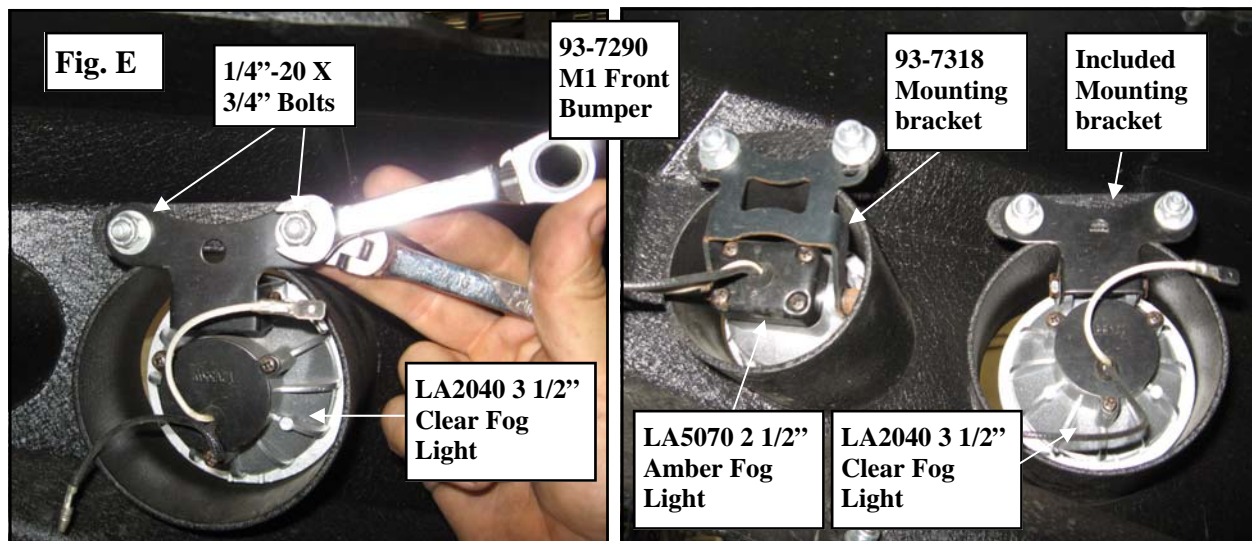
Step 6: Install the winch and the fairlead into the new M1 front bumper (93-7290).

Step 7: Modify the vehicle wiring harness and DLAA fog light connector.

IMPORTANT!: DO NOT connect the winch or fog lights wiring harnesses until the bumper is fully installed.

Step 8: Install the bracket (93-7318) to the 2 1/2" amber DLAA fog light (LA5070) as a replacement for the included mounting bracket from amber driving light kit (S/B612800-02). (Fig E)

Step 9: Install the included mounting bracket to the 3 1/2" clear DLAA fog light (LA2040) from clear driving light kit (S/B612800-01). (Fig E)



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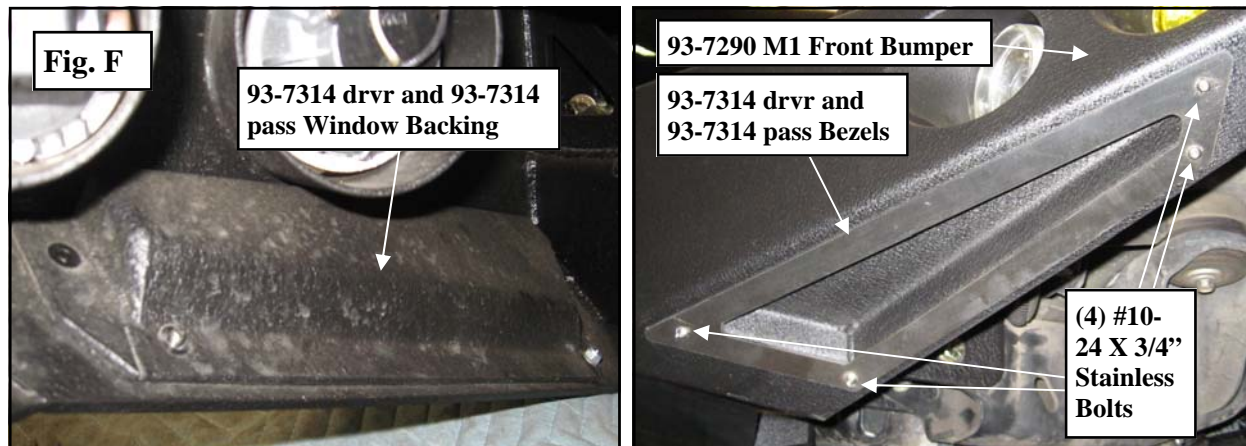
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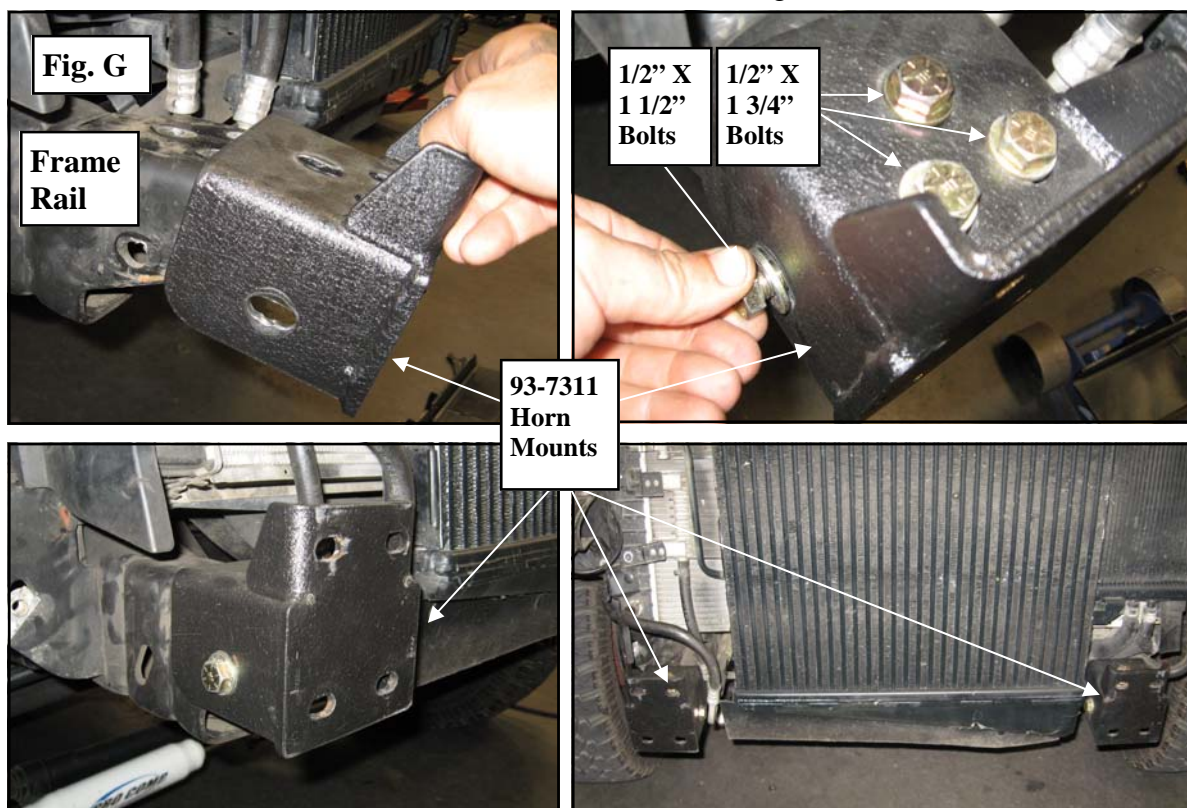
2008-2010 Ford Super Duty F-250/F-350 M1 Front Bumper Kit

Step 10: Install the fog lights into the new M1 front bumper (93-7290) using the supplied (8 per side) 1/4"-20 X 3/4" bolt and hardware. (Fig E)

Step 11: Install the window backing (93-7314 *drv*r and 93-7315 *pass*) and bezels (90-7316 *drv*r and 90-7317 *pass*) to the new M1 front bumper (93-7290) using (4 per side) 10-24 X 3/4" stainless button head bolts and #10 hardware. (Fig F)



Step 12: Install bumper horn mounts (93-7311) on both driver and passenger sides frame rails using the supplied (3 per side) 1/2" x 1 3/4" bolts, (2 per side) 1/2" X 1 1/2" bolts and 1/2" hardware. Leave the hardware loose at this time. (Fig G)



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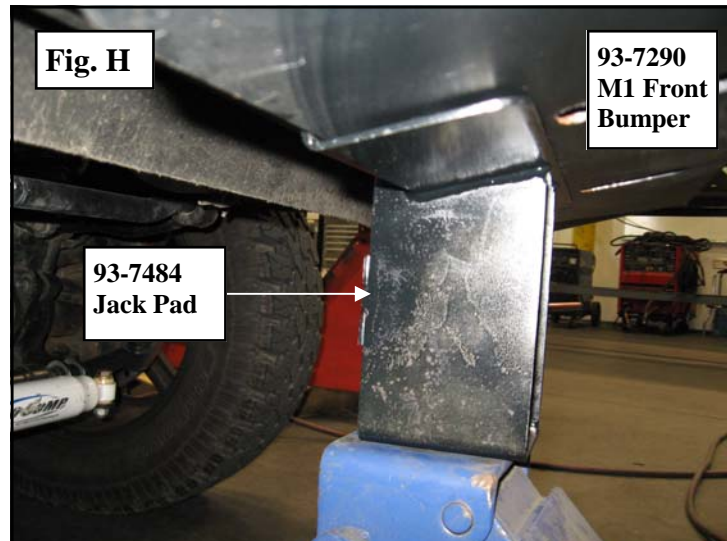


Installation Instructions:

(Part # SB612830)

2008-2010 Ford Super Duty
F-250/F-350 M1 Front Bumper Kit

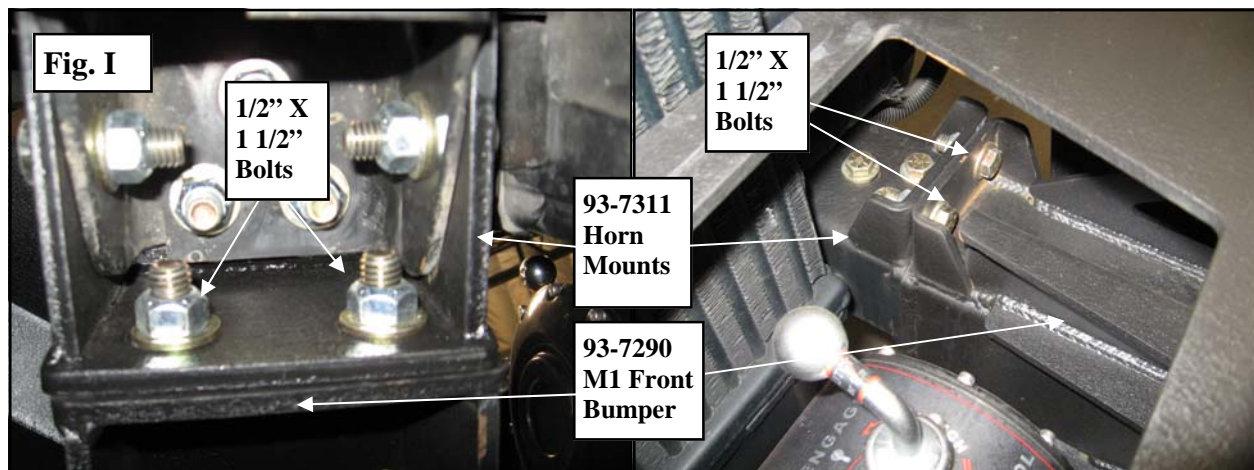
Step 13: Insert the provided jack pad (93-7484) into the bottom of the new M1 front bumper (93-7290). (Fig H)



Step 14: Using a floor jack, carefully raise and install the new M1 front bumper (93-7290) assembly to the bumper horn mounts (93-7311) using (4 per side) 1/2" x 1 1/2" bolts and hardware. (Fig I)

NOTE: Leave the hardware loose until all the bolts are started.

NOTE: Mounting system allows for three axis adjustment for best fit.

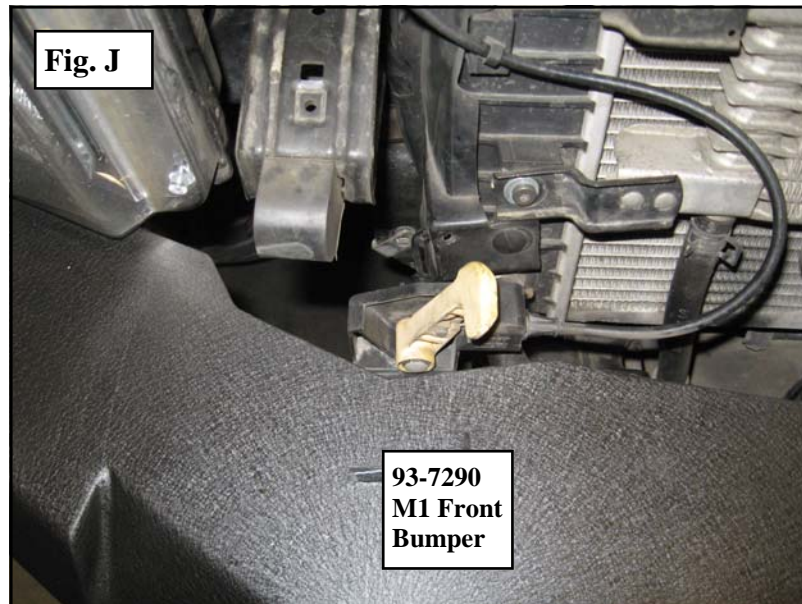


Step 15: Connect the winch and fog lights wiring connectors to the connectors on the vehicle. Test, aim & adjust the fog lights at this time. (Fig J)

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(Part # SB612830)
2008-2010 Ford Super Duty
F-250/F-350 M1 Front Bumper Kit



Step 16: Reinstall OE hood release latch using the previously removed OE nut plate and bolt.

Step 17: Be sure to torque all M1 bumper and winch hardware according to manufacturers specifications.

Step 18: Installation is now complete. (Fig K)



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(Part # SB612830)

2008-2010 Ford Super Duty F-250/F-350 M1 Front Bumper 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 Grade 5 Grade 8 (No. of Marks+2)</p> <p>D T L X</p>	<p>M12-1.25x50 HHCS P</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>

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.

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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.

Duration of Limited Warranty

Limited Lifetime Warranty on Stainless Steel Products -

Smittybilt stainless steel products carry the foregoing limited repair or replacement warranty against workmanship and defects in the material so long as the original purchaser retains the original stainless steel parts.

Limited Five (5) Year / 50,000 Mile Pro-Rata Warranty (whichever occurs first) on Dual-Stage Powder Coating Products -

Smittybilt dual-stage powder coated products carry the foregoing limited repair or replacement warranty for a period of (5) years or 50,000 miles (whichever occurs first) from date of purchase against workmanship and defects in the material, provided that any claim submitted after (2.5) years from date of purchase shall, if accepted, be satisfied by Smittybilt offering customer a credit on the purchase of a replacement product equal to fifty percent (50%) of customer's initial purchase price.

Limited Three (3) Year / 36,000 Mile Pro-Rata Warranty (whichever occurs first) on Chrome Products-

Smittybilt chrome products finished carry the foregoing limited repair or replacement warranty for a period of three (3) years or 36,000 miles against workmanship and defects in the material (whichever occurs first) from the date of purchase.

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.

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Smittybilt, 400 W. Artesia, Compton, CA 90220