



Installation Instructions:

(Part # SB76892)

2007-2013 Jeep JK
Atlas Front Bumper Kit

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

Parts Included	Qty	Parts Included	Qty
93-9148 Skid Plate Front Bumper	1	90-6922 Hardware Pack: Skid Plate Bumper	1
93-9152 Winch Mounting Plate	1	3/8"-16 X Clip On Nut	6
93-9160 Atlas Bumper	1	3/8" -16 X 1" Black Button Head Bolt	6
93-9233 Bull Bar	1	3/8" SAE Hardened Flat Washer	6
93-9275 Bumperette	1	90-6923 Hardware Pack: Front Bumper to Frame	1
90-9280 Bolt Plate:	2	7/16" Hex Nut	8
90-9407 Stainless Grill: Driver	1	7/16" Split Lock washer	8
90-9408 Stainless Grill: Passenger	1	7/16" USS Flat Washer	8
90-6928 Hardware Pack: S.S. Grill	1	90-6924 Hardware Pack: Winch Plate to Frame	1
#10-24 X 3/8" Stainless Button Head Bolt	8	5/8" X 1" Hex Bolt Gr. 8	2
90-6920 Hardware Pack: Driving Lights	1	5/8" Hex Nut	2
#8 Plastic Clip On Nut (Purchase)	8	5/8" USS Flat Washer	4
#8 X 3/4" Phillips Screw	8	90-6943 Hardware Pack: Front Bumper to Bumperette	1
90-6921 Hardware Pack: Bull Bar to Bumper	1	3/8" Nylock Nut	4
7/16" X 1" Black Button Head Bolt	8	3/8" SAE Flat Washer	4
7/16" Hex Nut	8	90-6944 Hardware Pack: Front Bumper	1
7/16" Split Lock washer	8	3/8" Hex Nut: Winch Plate to Frame	1
7/16" SAE Hardened Flat Washer	8	3/8" Split Lock washer : w/Vacuum Pump	1
		3/8" USS Flat Washer	2

INSTALLATION:

Step 1: Unbolt and remove the **OE** front bumper and hardware from the vehicle.

NOTE: Be sure to unclip the factory fog light wiring harnesses if equipped

Step 2: Unbolt and remove the **OE** driving lights from the **OE** bumper.

Step 3: Lift the winch mounting plate (**93-9152**) into place and insert the mounting studs into the holes on the frame horn bumper mounting brackets. Secure using the supplied **7/16"** washers and nuts. Do not tighten the **7/16"** bolts at this time. (Fig A)

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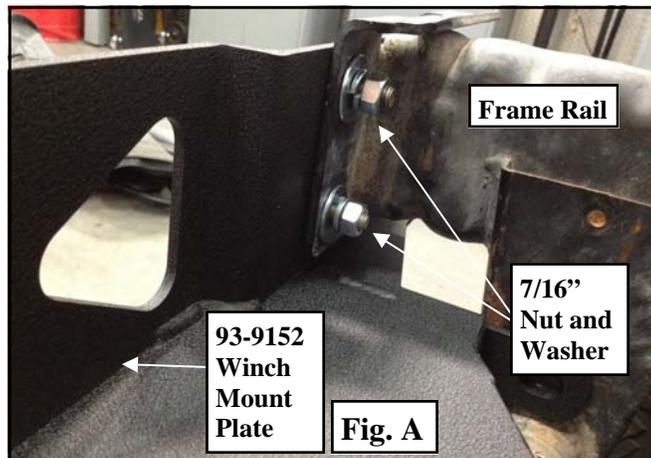


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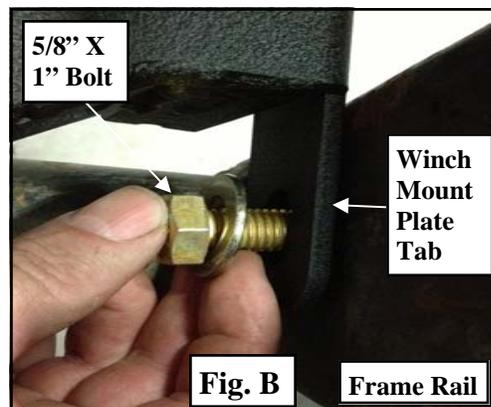
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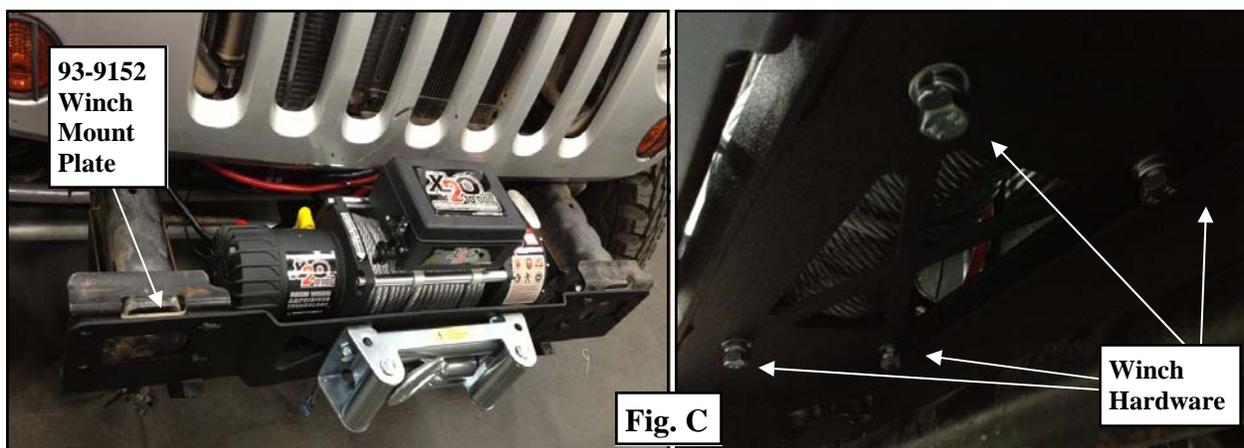
Step 4: Secure the tabs on the winch mounting plate to the inside of the frame rail using the (2) supplied 5/8" X 1" bolts and hardware. (Fig B)

NOTE: If vehicle is equipped with a vacuum pump use the 3/8" X 1" bolt and hardware from pack (90-6944) on the driver side tab.



Step 5: Torque winch plate mounting 7/16" hardware to 55 ft./lbs. and the 5/8" hardware to 135 ft./lbs. (Fig C)

NOTE: If installing a winch, do so at this time using the provided hardware from the winch kit.



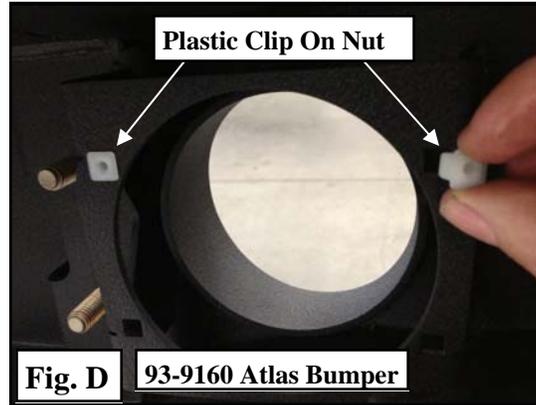
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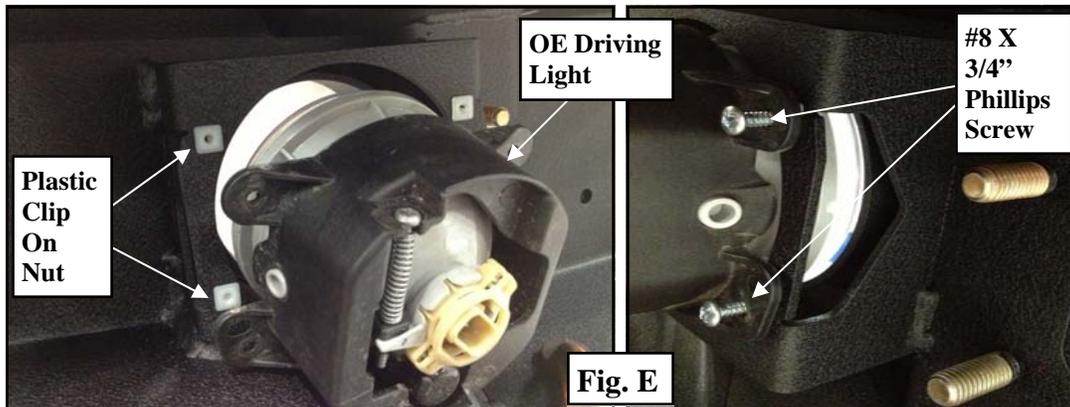
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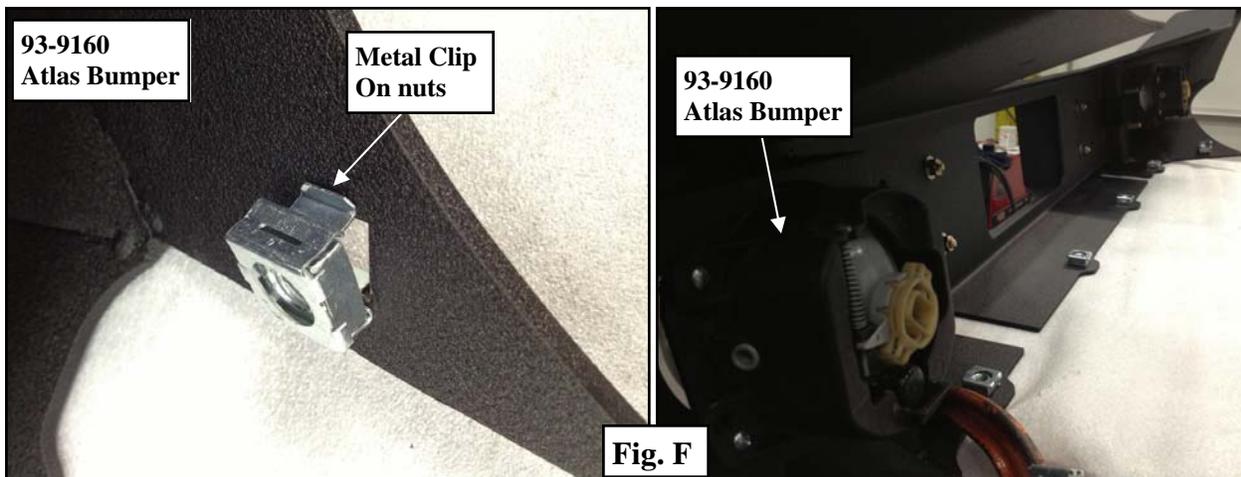
Step 6: Insert the (8) supplied plastic clip on nuts to the mounting holes in the bumper driving light mounting pads. (Fig D)



Step 7: Install the OE driving lights to the bumper mounting pads using the (8) supplied #8 X 3/4" Phillips screws. (Fig E)



Step 8: Insert the (6) supplied metal clip on nuts into the square lower skid plate mounting holes in the Atlas bumper (93-9160). (Fig F)





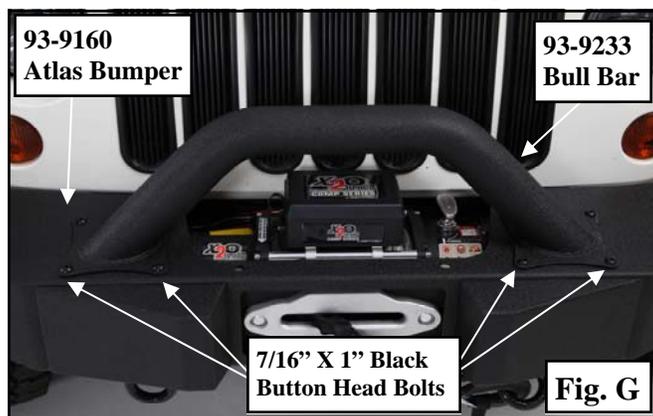
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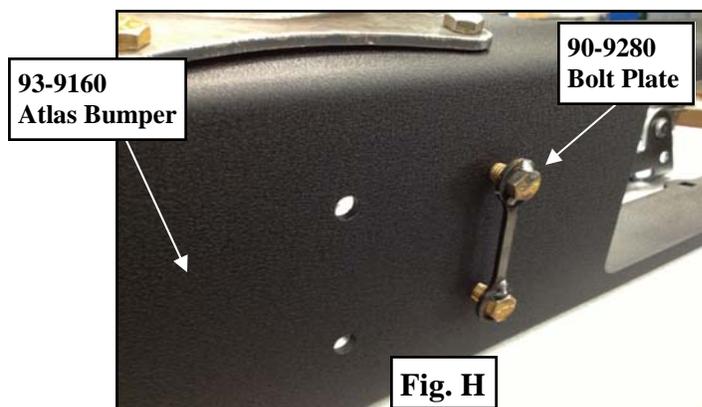
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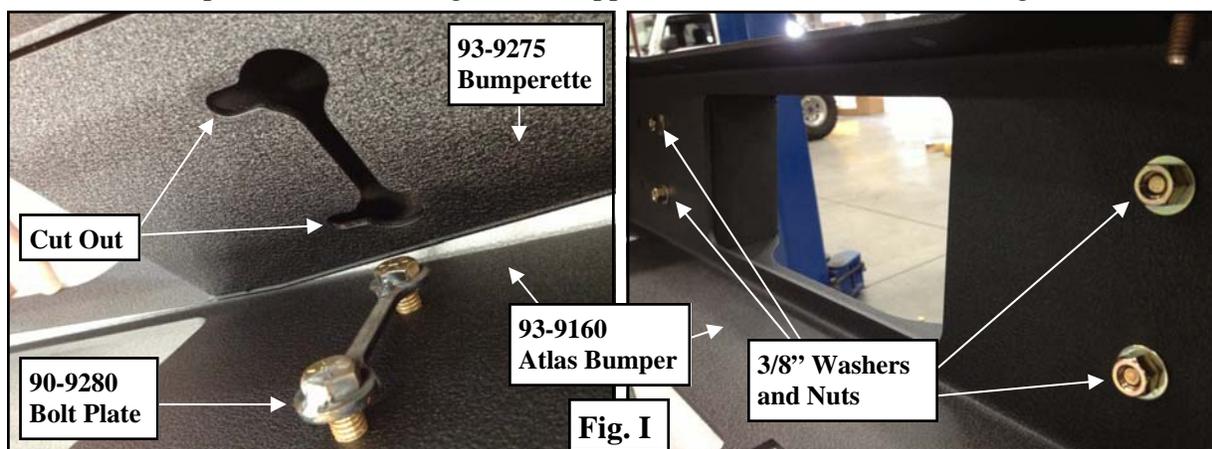
Step 9: Install the bull bar (93-9233), angled toward the vehicle, using the supplied (4 per side) 7/16" X 1" black button head bolts and hardware. (Fig G)



Step 10: Insert the (1 per side) bolt plates (90-9280) into the existing holes in the Atlas bumper (93-9160). Do not install the bolt plate flush with the bumper at this time. (Fig H)



Step 11: Install the bumperette (93-9275) onto the new Atlas bumper (93-9160) over the installed bolt plates (90-9280). Push the bumperette to the side to lock the cut outs into place around the bolt plates. Secure using the (4) supplied 3/8" nuts and washers. (Fig I)



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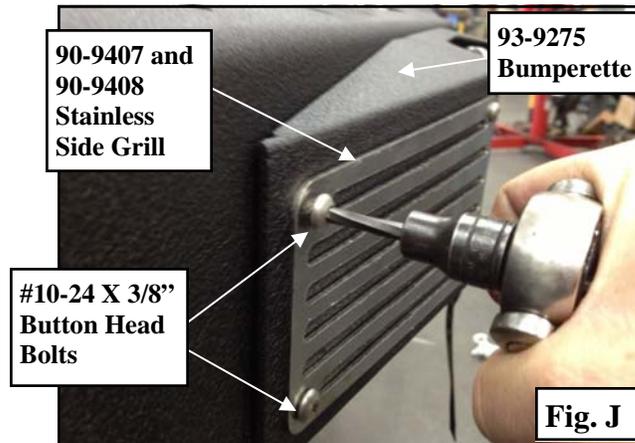
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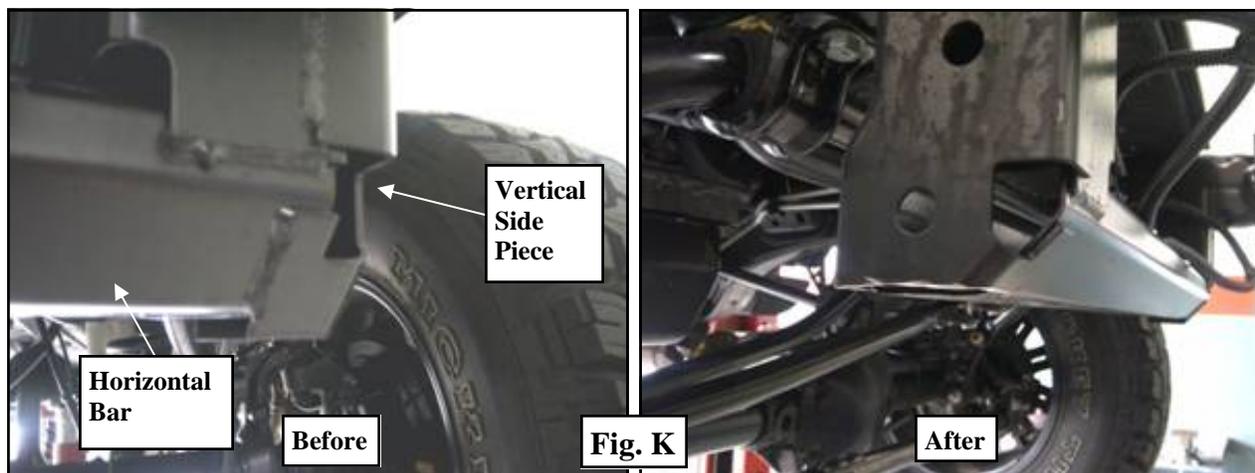
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Step 12: Install the stainless side grill (90-9407 drv and 90-9408 Pass) to the side of the Atlas bumper (93-9160) using the supplied (8) #10-24 X 3/8" stainless button head bolts. (Fig. J)

NOTE: The grill may also be installed directly to the bumper if the bumperette is not used.



IMPORTANT!: *This step might require 2 people, on newer models the vertical side pieces of the front lower frame will need to be trimmed. First, check to see if trimming will be required by raising your bumper to the front frame mount locations. If trimming is necessary, remove the bumper from the vehicle and trim. Using a suitable cutting tool, (abrasive cutoff wheel, Sawz-all, etc.) trim the vertical side pieces until flush with the horizontal bar. (Fig K) Always use extreme caution when cutting/trimming. Sand the welded area smooth. Clean the area thoroughly and paint the mounts and exposed metal with a good quality paint.*



Step 13: **NOTE:** *This step might require 2 people.* Raise the assembled Atlas bumper (93-9160) up into place and align the bumper mounting studs with (2 per side) remaining empty holes on the winch mounting plate (93-9152). Secure using the supplied 7/16" nuts and hardware. Torque bumper mounting 7/16" hardware to 55 ft./lbs. (Fig L)



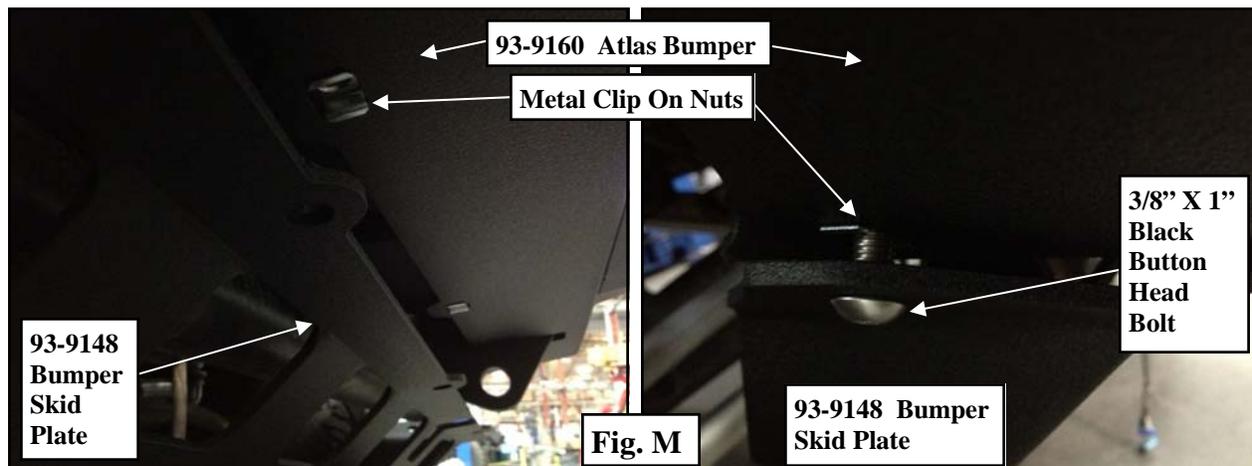
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Step 14: Install the front bumper skid plate (93-9148) to the previously installed metal clip on nuts using the (6) supplied 3/8" X 1" black button head bolts and hardware. Torque bumper mounting 3/8" hardware to 15 ft./lbs. (Fig. M)



Step 15: Install the winch wiring per the manufactures instructions. Carefully route the (+) lead keeping it clear of sharp metal, areas of excessive heat or any moving parts. Secure the leads using the supplied zip ties.

Step 16: Connect the driving light wiring connectors to the connectors on the vehicle. Test, aim & adjust the fog lights at this time. Note:OE wiring may need to be extended

Step 17: Installation is now complete. (Fig N)



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Finished Installation

Fig. N

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</p> <p>(No. of Marks + 2)</p>	<p>M12-1.25x50 HHCS</p> <p>D T L X</p>	<p>10.9</p> <p>P</p>
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G = Grade (Bolt Strength)	P = Property Class (Bolt Strength)
D = Nominal Diameter (Inches)	D = Nominal Diameter (Millimeters)
T = Thread Count (Threads per Inch)	T = Thread Pitch (Thread Width, mm)
L = Length (Inches)	L = Length (Millimeters)
X = Description (Hex Head Cap Screw)	X = Description (Hex Head Cap Screw)

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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

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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Note: When using Smittybilt tow bar (Part# 87450) you will need adapter brackets Part# 87451.

