



# Installation Instructions:

(Part # SB76840)  
EXO Cage Kit

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

<u>Parts Included:</u>	<u>Qty</u>	<u>Parts Included:</u>	<u>Qty</u>
97-263AR027 Stainless Steel Badge: Drvr	1	93-263AR010E B-Pillar Mount Pad	2
97-263AR028 Stainless Steel Badge: Pass	1	93-263AR010D Windshield Frame Mount Pad 2	2
93-263AR024 Roof crossbar 1	2	93-263AR010C Windshield Frame Mount Pad 1	2
93-263AR026 Rear Roof Crossbar 2	1	93-263AR010B A-Pillar Mount Pad	2
93-263AR023 Rear Quarter Assembly: Pass	1	93-263AR010A Hood Brace Mount Pad	2
93-263AR022 Side Roof Bar: Drvr	1	90-6774M Hardware Pack: Nutcert Installation	1
93-263AR025 Side Roof Bar: Pass	1	96-5951 Nutcert Tool	1
93-263AR020 Rear Quarter Assembly: Drvr	1	10mm Star Washer	1
93-263AR018 A-Pillar Upright: Drvr	1	10mm X 50mm Socket Head Bolt	1
93-263AR019 A-Pillar Upright: Pass	1	10mm Gr. 8 Flat Washer	1
93-263AR016 B-Pillar Upright: Drvr	1	10mm Gr. 8 Nut: Un-plated	1
93-263AR017 B-Pillar Upright: Pass	1	90-6778M Hardware Pack: EXOP Cage Mounts to Body	3
93-263AR015 Windshield Frame	1	10mm Threaded Nutsert	14
93-263AR013 Hood Brace: Drvr	1	10mm X 20mm Button Head Socket Bolt	40
93-263AR014 Hood Brace: Pass	1	8mm-1.25 X 20mm Socket Head Bolt	16
93-263AR010H Rear Quarter Mount Pad: Rear	2	8mm-1.25 X 60mm Button Head Bolt	8
93-263AR010G Rear Quarter Mount Pad: Front	2	8mm-1.25 Nylock Nut	8
93-263AR010F Roof Bar Mount Pad	2	8mm Flat Washer	16

***NOTE: Installation of this kit requires drilling holes in the body***

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### INSTALLATION:

**NOTE:** Cardboard spacers are provided to help align and keep the EXO cage pieces from contacting the body.

**Step 1:** Place the vehicle on a flat, level surface and engage the parking brake. Place blocks both in front of and behind the front wheels. Although we have included a nutsert tool with this kit, it is highly recommended that a good quality nutsert driver be used for this installation (such as a Marson 325-RN)

**Step 2:** Using masking tape, mask off the spots on vehicle where the cage will make contact, as shown. For extra protection against scratches, remove bubble wrap just from tubing mounting flanges and use moving blankets to protect the hood and roof.



**Step 3:** Remove the OE #35 Torx head bolts from the sides of the windshield gussets. Install the windshield frame (93-326AR015) onto the A-pillar and insert the supplied 8mm X 20mm socket head bolts and hardware into the lower (2) holes on each side of the windshield gussets. Insert (2) previously removed OE Torx bolts into the remaining (2) upper holes. Be sure to use the cardboard spacers to keep the assembly from contacting the roof.

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**Step 4:** Loosely assemble the side roof bars (**93-326AR022 Drvr** and **93-326AR025 Pass**) onto the roof crossbar 1 (**93-326AR024**) using the supplied **8mm X 20mm** socket head bolts and hardware. Carefully place the assembled side roof bars and roof crossbar 1 onto the roof of the vehicle and insert the front ends of the side roof bar assembly into the windshield frame (**93-326AR015**) and secure using the supplied **8mm X 60mm** bolts and hardware. Be sure to use the cardboard spacers to keep the assembly from contacting the roof.



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**Step 5:** On the driver side, install the rear quarter assembly (**93-326AR020 Drvr**) to the side roof bar (**93-326AR022 Drvr**) and secure using the supplied **8mm X 60mm** button head bolts and hardware. Leave the hardware loose at this time. Install the roof crossbar 1 (**93-326AR024**) and the rear roof cross bar (**93-326AR026**) with light tabs (direction of light tabs is your choice) to the rear quarter assembly and secure using the supplied **8mm X 60mm** button head bolts and hardware. Leave the hardware loose at this time. Be sure to use the cardboard spacers to keep the assembly from contacting the roof.



**Step 6:** On the passenger side, install the rear quarter assembly (**93-326AR023 Pass**) to the side roof bar (**93-326AR025 Pass**) Fig G, and secure using the supplied **8mm X 60mm** button head bolts and hardware. Leave the hardware loose at this time. Secure rear quarter assembly to the previously installed roof crossbar 1 (**93-326AR024**) and the rear roof crossbar 2 (**93-326AR026**) using the supplied **8mm X 60mm** button head bolts and hardware. Leave the hardware loose at this time. Be sure to use the cardboard spacers to keep the assembly from contacting the roof.



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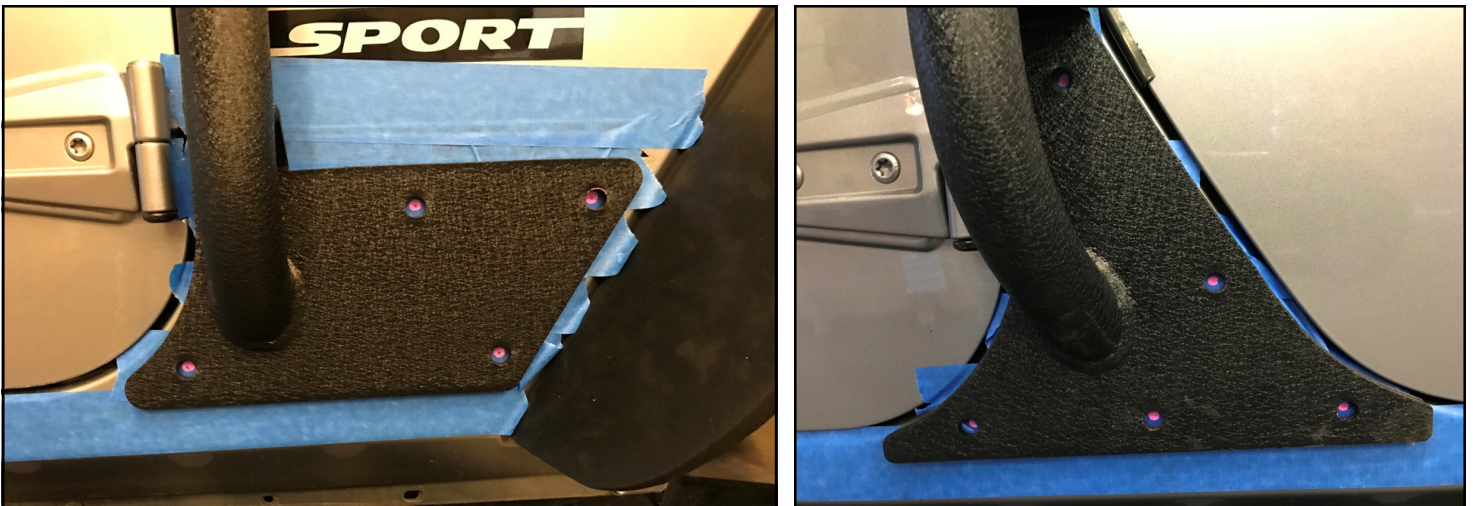
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**Step 7:** Adjust and align the EXO cage assembly so that it is square on the vehicle. Snug the mounting hardware at all joints. When you are satisfied that all the reveals are symmetrical, carefully mark the mounting holes on the previously applied masking tape using a marker.

**NOTE:** *Once these are drilled there are no adjustments, double check and re-check!*



**Step 8:** Carefully install the A-Pillar uprights (93-326AR019 Drvr and 93-326AR018 Pass), B-Pillar uprights (93-326AR016 Drvr and 93-326AR017 Pass), and hood braces (93-326AR013 Drvr and 93-326AR014 Pass) to the windshield frame (93-326AR015) and side roof bars (93-326AR022 Drvr and 93-326AR025 Pass). Secure the A-pillar uprights B-pillar uprights and using the 8mm X 60mm button head bolts. Secure the hood brace using the 8mm X 20mm socket head bolts and hardware. Leave the hardware loose at this time. Align the A-pillar uprights and hood braces and mark the mounting holes on the previously applied masking tape using a marker.



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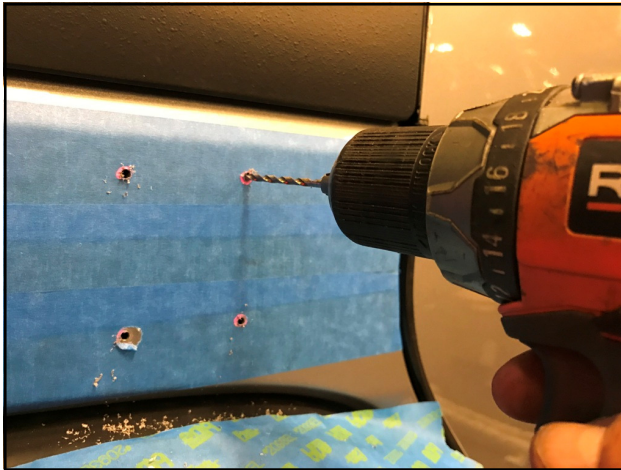
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**Steps 9 through 13 are to be performed on one side of the vehicle at a time.**

**Step 9:** Starting on the driver side, unbolt and remove the hood brace, A-pillar upright, B-pillar upright, side roof bar, quarter panel assembly.

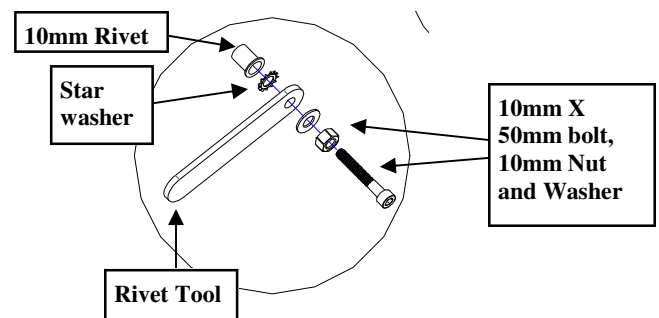
**Step 10:** Center punch and drill the previously applied marks, using an 1/8" drill bit as a pilot, then very carefully drill the holes out to 1/2".

**IMPORTANT!** Be very careful not to oversize these holes. The holes need to be slightly smaller than the nutserts.



**Step 11:** Install the 10mm nutsert into the previously drilled 1/2" holes in the body of the vehicle.

**NOTE:** If you do not have a professional nutsert installation tool, use the 10mm X 50mm socket head bolt, 10mm nut and washer. Install the nutsert into the 1/2" hole on the vehicle. Thread the nut up as far on the 10mm bolt as it will go and then follow that with the washer. Thread the bolt, nut, washer, nutsert tool and star washer assembly into the nutsert. (Fig. E) While holding the 10mm bolt with an Allen wrench, tighten the nut and washer down against the nutsert. Use the nutsert tool and star washer to keep the nutsert body from spinning while tightening the 10mm bolt. Once the nutsert is properly installed into the vehicle remove the 10mm bolt, nut, washer, nutsert tool and star washer.



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**Step 12:** Reinstall the side roof bar (93-326AR022 Drvr) and loosely secure it to the windshield frame (93-326AR015) and forward roof crossbar 1 (93-326AR024) using the supplied 8mm X 60mm button head bolts, 8mm X 20mm socket head bolts and hardware. Secure the mounting flange to the previously installed nutserts using the supplied 10mm X 20mm stainless button head bolts and washers.



**Step 13:** Reinstall the rear quarter assembly (93-326AR020 Drvr) and loosely secure it to the upper side bar (93-326AR022 Drvr) and roof crossbar 1 (93-326AR024) and rear roof crossbar 2 (93-326AR026) using the supplied 8mm X 60mm button head bolts, 8mm X 20mm socket head bolts and hardware. Secure the mounting flange to the previously installed nutserts using the supplied 10mm X 20mm stainless button head bolts and washers.

**Step 14:** Repeat steps 9 and 13 on the passenger side. Once the cage is fully assembled (minus the uprights), work your way around the vehicle, adjusting and tightening the mounting hardware.

**Step 15:** Install the A-Pillar uprights (93-326AR019 Drvr and 93-326AR018 Pass) and stainless steel badge (93-326AR027 Drvr and 93-326AR028 Pass), B-Pillar uprights (93-326AR016 Drvr and 93-326AR017 Pass), and hood braces (93-326AR013 Drvr and 93-326AR014 Pass) to the windshield frame (93-326AR015) and side roof bars (93-326AR022 Drvr and 93-326AR025 Pass) using the supplied 8mm X 60mm button head bolts, 8mm X 20mm socket head bolts and hardware. Secure A-Pillar upright, B-Pillar upright, and hood braces to the previously installed nutserts using the supplied 10mm X 20mm stainless button head bolts.

**Step 16:** Adjust and tighten the EXO cage hardware. When you are satisfied that the cage is adjusted properly and square to the vehicle, recheck and torque all the mounting hardware

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according to the torque chart on pg. 9.

**Step 17:** Installation is now complete.



Limited Warranties

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Smittybilt, 400 W Artesia, Compton, CA 90220





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

<b>Bolt Torque and ID</b>						
<b>Decimal System</b>			<b>Metric System</b>			
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><b>Grade 5    Grade 8</b> (No. of Marks + 2)</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>M12-1.25x50 HHCS</p> <p>D T L X</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>
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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.

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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