

Installation Instructions



Bronco HD Pivot
Part #S/B6143



For Technical Support / Warranty Information please call 800-776-0767 EXT 1317
Smittybilt, 400 W Artesia, Compton, CA 90220

Introduction

Thank you for choosing Smittybilt accessories for your Ford Bronco. If you would like to view our full range of available accessories, please visit us at www.smittybilt.com



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Important Notes Before Starting

IMPORTANT NOTE

Carefully read through this entire instruction manual thoroughly before attempting to install this part.

The following tools will be required to complete the installation of this part:

TOOLS REQUIRED		
10mm Socket	10mm Wrench	8mm Wrench
13mm Socket	13mm Wrench	19mm Socket
Plastic Pry Tool	Screw Driver Flat & Phillips	1/4" Ratchet
Impact Wrench	3/8" Ratchet	

WARNING

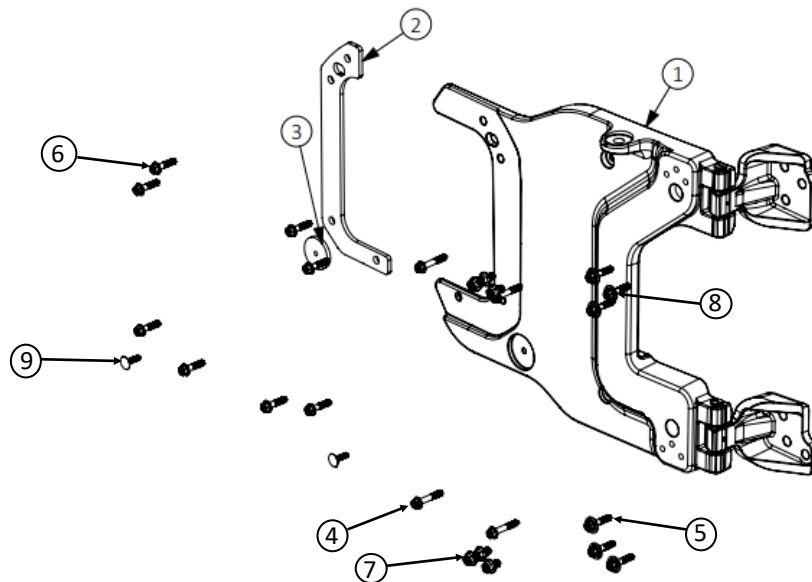
Serious injury can occur when working on vehicles alone.

When possible, work with another person to reduce risk of injury from strain or other dangers that can occur when working alone.



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Box Contents & Technical Information



SB6143 BOX CONTENTS

ITEM NO.	DESCRIPTION	QTY
1	HD PIVOT ASSY	1
2	SHEET METAL SPACER	1
3	TIRE BUMP STOP SPACER	1
4	M8X1.25X50	4
5	M8X1.25X40	6
6	M8X1.25X35	8
7	M10X1.25X16	6
8	M8 WASHERS	6
9	PUSH PIN	2



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! IMPORTANT NOTE

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WARNING

Chock all four wheels and make sure parking brake is engaged before starting this install. Failure to do so could result in serious injury.

Step 1: Check Box Contents.

Open the box containing your Ford Bronco HD Pivot, check all parts against the Bill of Materials outlined in the first pages of these instructions.

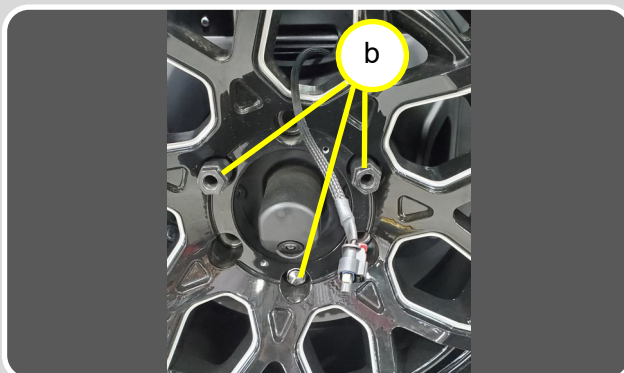
If anything is missing, contact Smittybilt Technical Support immediately.



Step 2: License Plate Removal.

First remove the **2X 19mm bolts (a)** holding the license plate mount and disconnect the license plate light by pulling the red tab out first and then remove the plug.

NOTE: If you do not have a license plate relocation bracket continue to step 2.



Step 3: Remove Spare Tire.

Next using an impact wrench remove the **3X 19mm lug nuts (b)** and remove the spare tire.



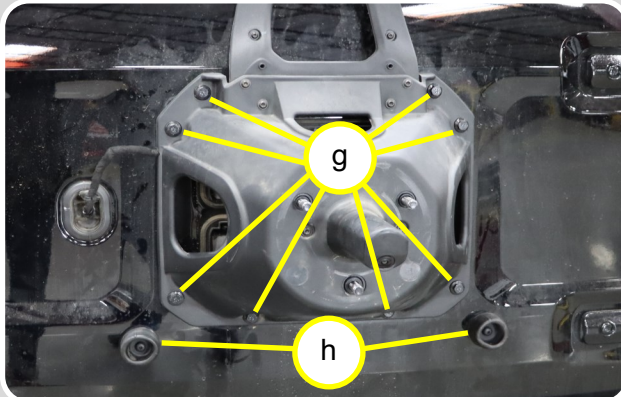
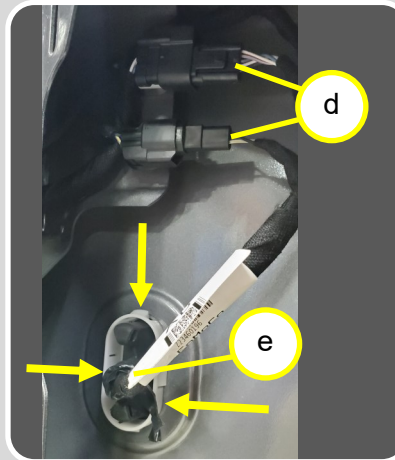
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Step 4: Disconnect Tailgate Wires.

Open the tailgate (c) and with a plastic pry tool remove the plastic panel starting from the right side. Once panel is removed disconnect the two wires (d), next press the plastic tabs (e) to remove the rubber grommet and wire harness.



Step 5: Tire Carrier Removal.

After the wires are disconnected remove the **8X 13mm bolts (g)** and remove the tire carrier.

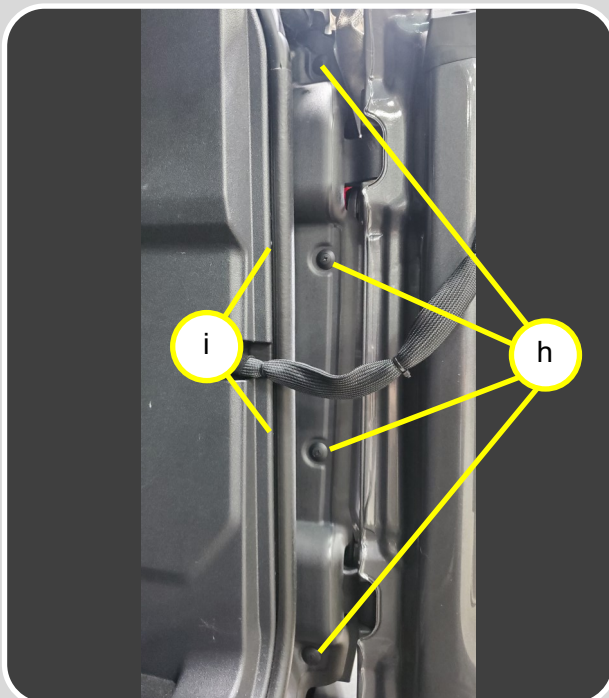
! IMPORTANT NOTE

Spare tire rubber bump stops (h) will need to be removed. To remove the bump stops use a Phillips screwdriver to take out the push pins, after pins are removed than you can pull out the bump stops by hand.



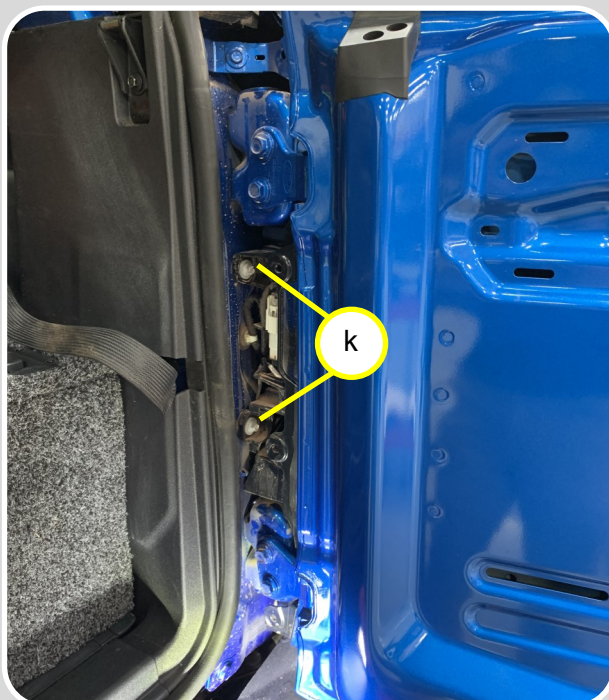
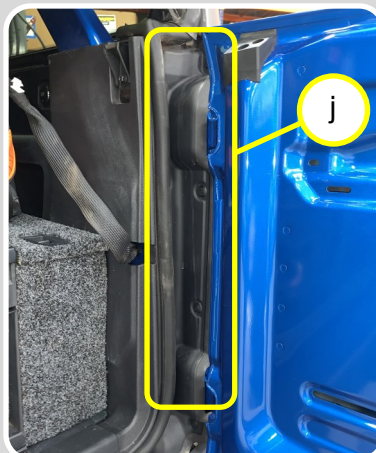
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Step 6: Access Tail Light Bolts.

Open the tailgate and remove the **4X Phillips push pins (h)** and the **2X 10mm screws (i)**, now remove the plastic panel (j) to access the taillight bolts.



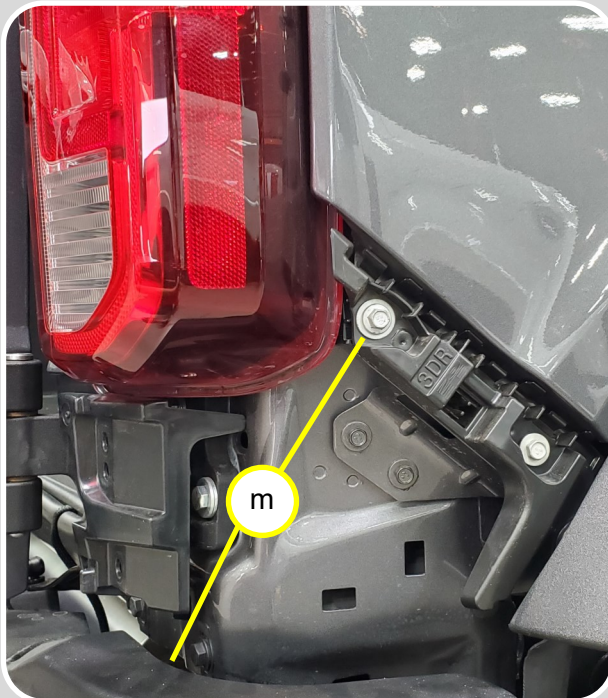
Step 7: Tail Light Removal.

Once the plastic panel is off remove the **2X 8mm screws (k)**. Using a plastic pry tool remove the outer panel (l) by prying from top left corner and slowly pulling the panel out, to access the remaining two screws.



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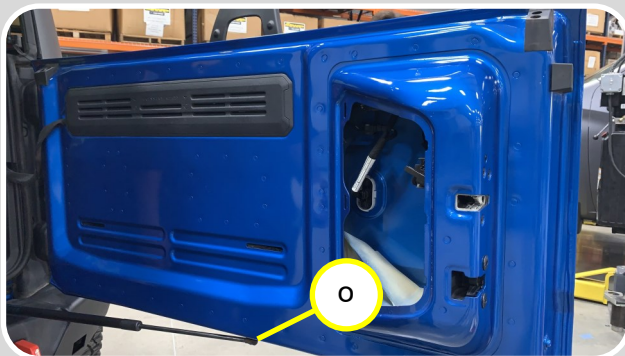
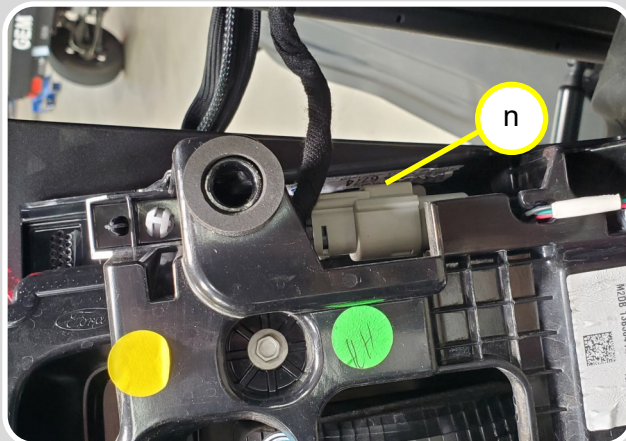
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Step 8: Removing the taillight.

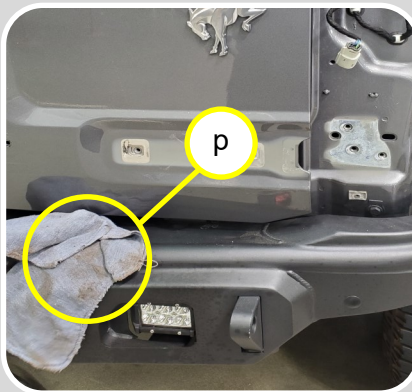
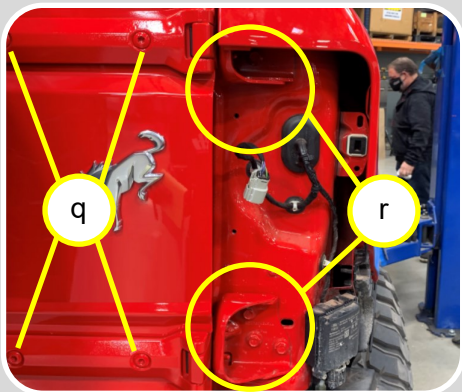
With the panel off remove the remaining **2X 10mm screws (m)**.

Before removing the taillight completely disconnect the light bulb wire (n).



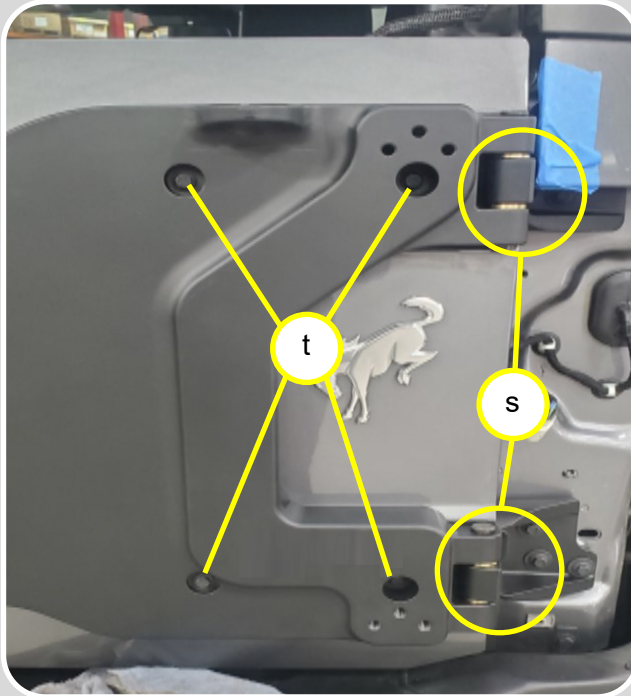
Step 9: Removing the hinges.

Before removing any bolts remove the damper from the tailgate (o). Close the tailgate and wedge a block or piece of wood between the tailgate and the bumper, wrap the block with a rag to protect the paint (p). Using a **T40 torx socket** remove the **4X screws (q)**, with a **13mm socket and wrench** remove the **6X bolts (r)** that hold the hinges.



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Step 10: Installing HD Pivot.

Install the HD pivot to where the stock hinges were mounted using the **6X M8x1.25x40 bolts (s)**, hand tighten the bolts to allow room for adjustment.

Next install the **4X M8x1.25x50 (t)** to the tailgate and hand tighten these bolts as well.

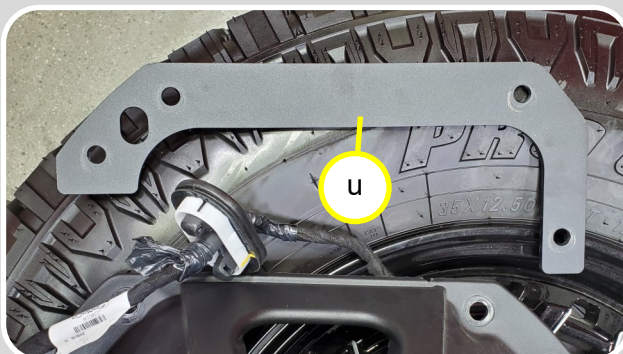
! IMPORTANT NOTE

This step will require 2 people to complete.



Step 11: Reinstall Tire Carrier.

Install the stock tire carrier to the HD pivot, place the sheet metal spacer (*u*) behind the tire carrier on the left side (highlighted in yellow) and install the **8X M8x1.25x35 bolts** and tighten by hand.



! IMPORTANT NOTE

Be sure to not pinch license plate light wire when installing tire carrier.



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Step 12: Adjusting the tailgate.

Adjust the tailgate so that it is parallel (yellow line) and tighten all the bolts (**torque to 23ft lbs.**).

Connect the two wires inside the tailgate and reinstall the rubber grommet and plastic panel

! IMPORTANT NOTE

When tailgate closes top and bottom gap (Yellow Arrows) should be similar, if not adjust as needed. Once the tailgate is adjusted properly go back to steps 3 to 8 in reverse order and reinstall the taillight and all the plastic panels.



Step 13: Bump Stop Spacer.

To install place the spacer (v) behind the rubber bump stop and mount to the tailgate with **OE Phillips push pin**.

NOTE: This step is optional. wire when installing tire carrier.



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Step 14: Reinstall Spare Tire.

Reinstall the spare tire (and license plate relocation bracket if owned) and tighten the lug nuts.

Your installation is now complete.

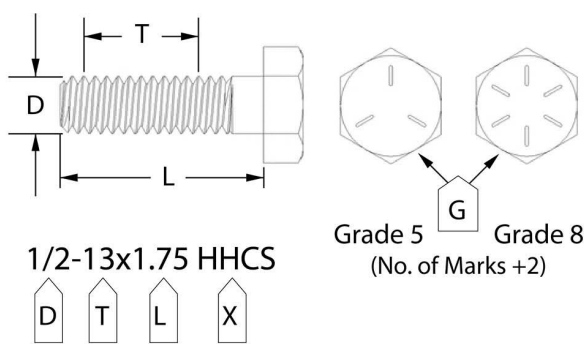


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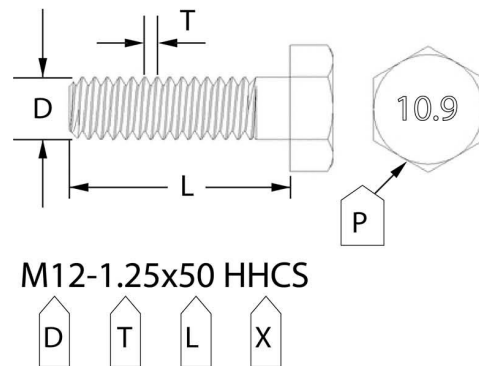
Bolt Torque Specifications

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



G= Grade (Bolt Strength)
D= Nominal Diameter (Inches)
T= Thread Count (Threads per Inch)
L= Length (Inches)
X= Description (Hex Head Cap Screw)



P= Property Class (Bolt Strength)
D= Nominal Diameter (Millimeters)
T= Thread Pitch (Thread Width, mm)
L= Length (Millimeters)
X= Description (Hex Head Cap Screw)



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Notes and Disclaimers

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. 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.



WARNING: Cancer and Reproductive Harm
www.P65Warnings.ca.gov



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