

Installation Instructions



Ford Bronco Front Bumper
Part # S/B61268W



For Technical Support / Warranty Information please call 800-776-0767 EXT 1317
or Email info@smittybilt.com

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	
Metric Socket Set	Torque Wrench
Socket Wrench	Medium Strength Threadlocker
Torx Allen Key Set	

! WARNING

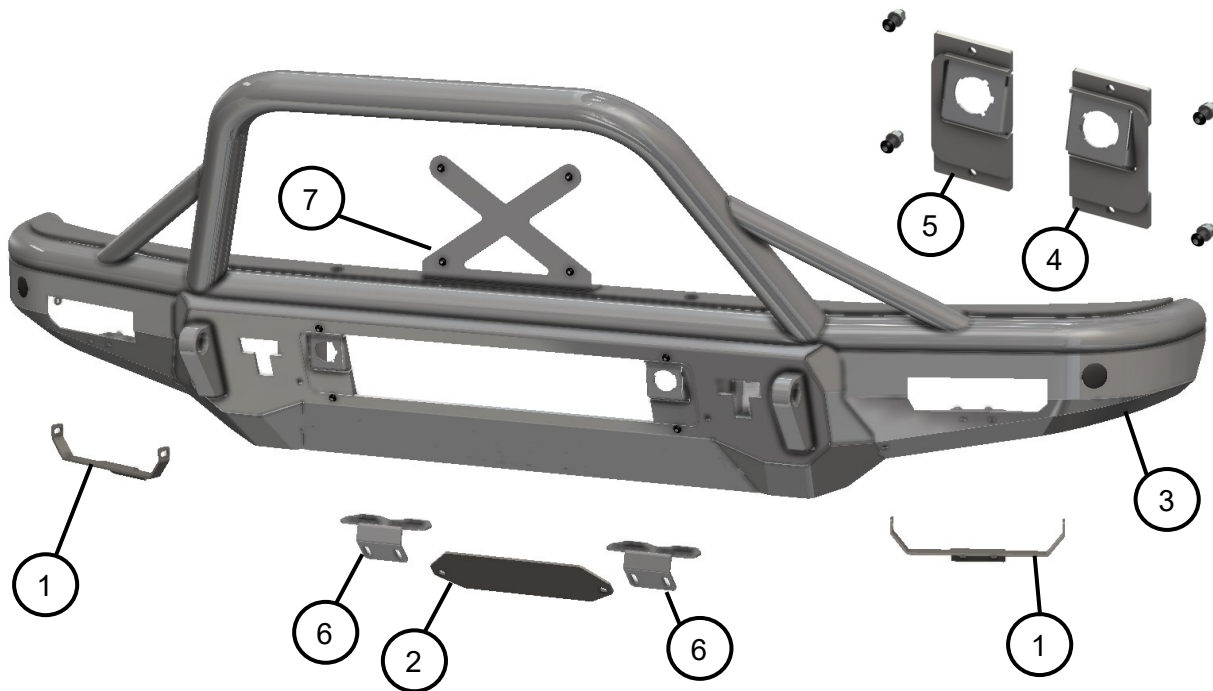
Serious injury can occur when working on vehicles alone.

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



S/B61268W BOX CONTENTS

ITEM NO.	PART NO.	DESCRIPTION	QTY
1	84-12366	6IN LIGHT BRACKET	2
2	102-12367	LOGO BACKING PLATE	1
3	84-12368	FRONT BUMPER WELDMENT	1
4	84-12439	BEZEL MOUNT, INNER DRV	1
5	84-12443	BEZEL MOUNT, INNER PASS	1
6	84-12445	POD LIGHT TAB	2
7	84-12438	LICENSE PLATE MOUNT	1
-	(SEE NEXT PAGE/S)	HARDWARE PACKS	7



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Hardware Packs

90-60822 LOGO / MOUNTING HARDWARE PACK CONTENTS

QTY	PART NO.	DESCRIPTION
2	42GH75	M6X1 NYLOCK
2	6EY59	M6 FLAT WSHR
6	HW-PBR-M12	M12 BOLT RETAINER
6	42GH78	M12X1.75 NYLOCK
6	91100A180	M12 OVERSIZED FLAT WSHR

90-60823 BUMPER MOUNTING BOLTPLATES

QTY	PART NO.	DESCRIPTION
2	35-12387	SINGLE BOLT PLATE
2	35-12389	DOUBLE BOLT PLATE

90-60825 LIGHT MOUNTING HARDWARE PACK CONTENTS

QTY	PART NO.	DESCRIPTION
8	6EY59	SINGLE BOLT PLATE
4	71-060201008800	DOUBLE BOLT PLATE
4	42GH75	M6X1 NYLOCK

90-60840 HARDWARE PACK, PANEL PLUGS

QTY	PART NO.	DESCRIPTION
2	85985K25	PANEL PLUG



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Hardware Packs

90-60841 HARDWARE PACK, LICENSE PLATE, LIGHT BRACKET

QTY	PART NO.	DESCRIPTION
10	42GH75	M6X1 NYLOCK
8	6EY59	M6 FLAT WSHR
2	98363A112	M6 OVRSZD WSHR
6	HDWB0177	BHCS, M6X1X20MM

90-60843 HARDWARE PACK, PARKING SENSOR MOUNT

QTY	PART NO.	DESCRIPTION
4	HDWB0177	BHCS, M6X1X20MM
4	42GH75	M6X1 NYLOCK
4	6EY59	M6 FLAT WSHR

90-60844 HARDWARE PACK, CABLE TIES, 6IN

QTY	PART NO.	DESCRIPTION
10	90-44214	CABLE TIES, STANDARD, 6" LONG



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Installation Instructions: OE Front Bumper

! IMPORTANT NOTE

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

! WARNING

Check 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 Front Bumper, 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: Disconnect Battery

Remove both terminals from the battery to protect parking sensors and wire harness during install.

! IMPORTANT NOTE

If vehicle is not equipped with parking sensors **proceed to step 4**



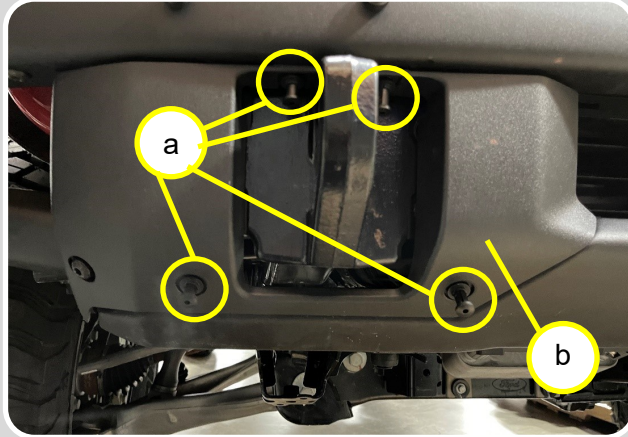
Step 3: Disconnect Parking Sensor Wire Harness

Disconnect wire harness from driver side located behind front bumper.



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Installation Instructions: OE Front Bumper

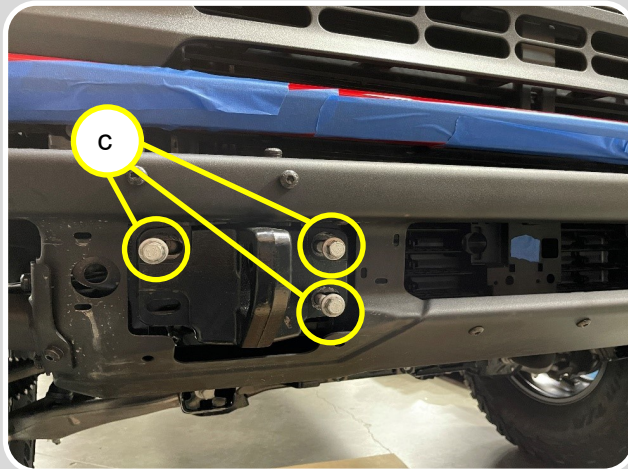


Step 4: Remove OE Bumper Covers

On the Passenger side of the OE bumper, unclip 4X clips (*a*) (suggested tool: panel clip removal tool).

Once clips have been removed, remove cover (*b*) (cover pops out).

Repeat this process on Driver side.



! IMPORTANT NOTE

Step 5 will require 2 people.
Tape along grill as shown to avoid damage to paint

Step 5: Remove OE Bumper

Starting at the Passenger side, unbolt bumper from frame horn use 15mm socket to remove 3X OE bolts (*c*).

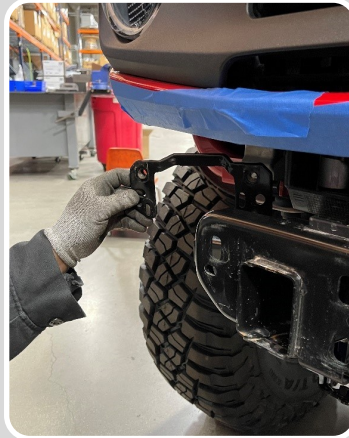
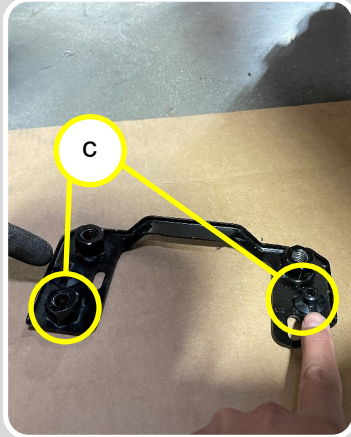
Repeat on Driver side and remove bumper..

If equipped with OE parking sensors remove and set them aside.



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Installation Instructions: OE Front Bumper

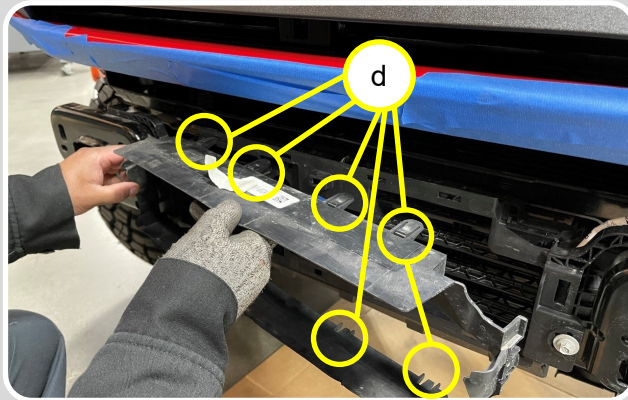


Step 6: Remove Nut Plate

Starting behind the Passenger side frame horn, remove plastic nuts located on nut plate (c) by hand.

Remove nut plate.

Repeat this process on the Driver side.



Step 7: Remove Air Deflector

Remove Air Deflector from the front of the vehicle by pinching and pulling fastening clips located at both top and bottom (d).

Installation Instructions: Underneath Vehicle



Step 8: Remove OE Skid Plate

Remove 4X OE bolts from the OE Skid Plate using the 15mm socket.



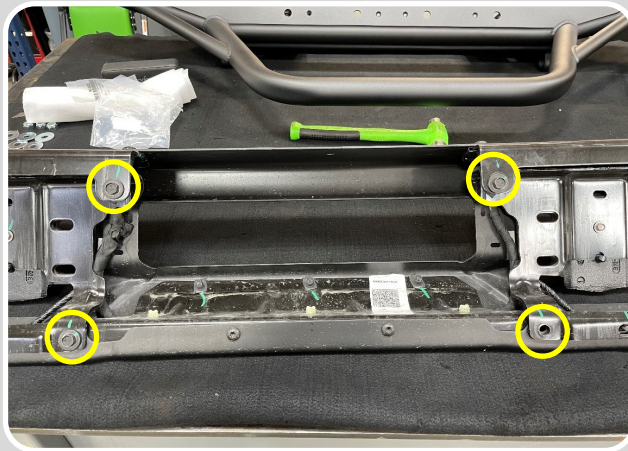
IMPORTANT NOTE

Bolts and skid plate will be reused at step 19. Set aside until then.



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Installation Instructions: OE Front Bumper



! IMPORTANT NOTE

If vehicle is NOT equipped with parking sensors proceed to step 10

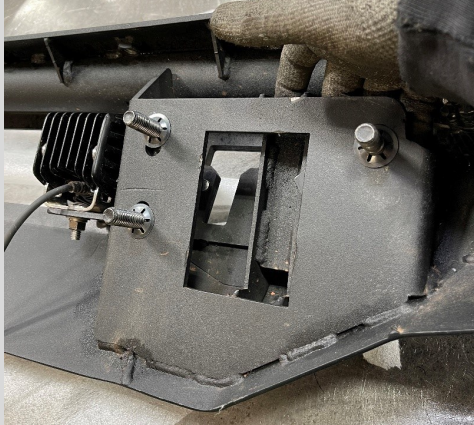
Step 9: Install Bumper

If OE bumper is equipped with parking sensors use torx allen key and 13mm socket and remove wire harness, parking sensors and bezels (will be re-used).



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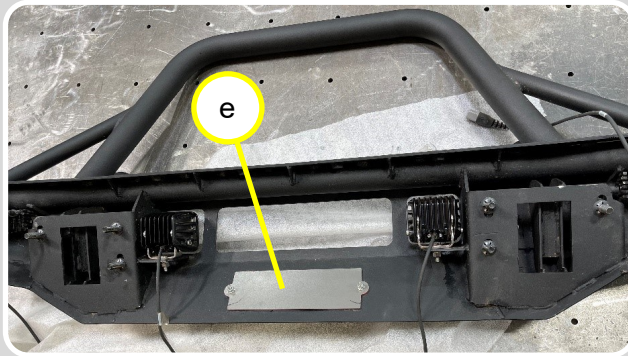
Installation Instructions: S/B Front Bumper



Step 10: Install Bolt Plates

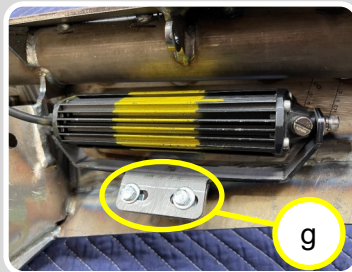
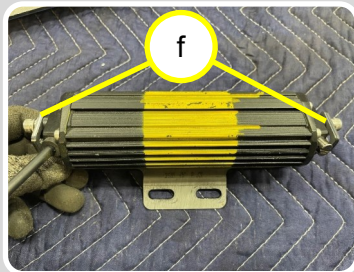
On the Passenger side of PN: **84-12368 (Front Bumper Weldment)**, install bolt plates with bolt retainers (from **HWPk 90- 60822**), to Bumper mount .

Repeat process on Driver side.



Step 11: Install Logo Plate

Using (**HWPk: 90-60822, Logo/Mounting Hardware**), install PN: **102-12367 (Logo Backing Plate)** (*e*) to PN: **84-12368 (Front Bumper Weldment)**



Step 12: Install Light Bar

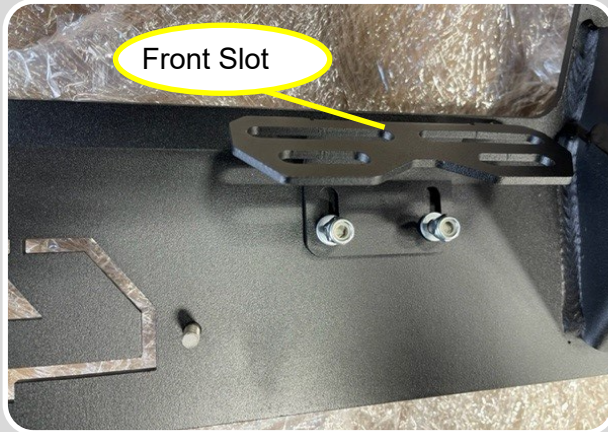
Use hardware provided by light manufacturer to secure light bar to PN: **84-12366 (Light bracket)** (*f*). Use hardware provided in PN: **90-60825 (Light Mounting Hardware Pack)** to secure light bracket assembly to bumper. Use a **10mm Socket** and **10mm Wrench** (*g*).

Adjust light bracket to achieve the desired fit then tighten completely.



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Installation Instructions: S/B Front Bumper



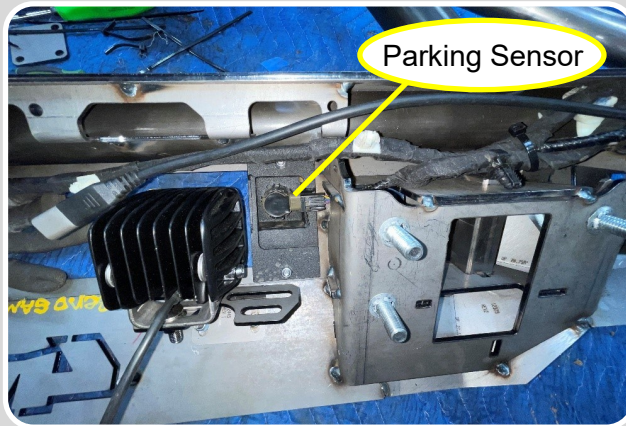
Step 13: Install Light Pods

Use PN: 84-12445 Pod light tab and install to bumper, adjust light pod to desired location.

! IMPORTANT NOTE

Note: if using ProComp light pods use FRONT SLOT closest to window of bumper. Depending on model of light pod it may interfere with mounting bumper, make sure to install in correct slot for proper fitment.

Note: if installing parking sensors only one Pod light can be installed as indicated in picture. On vehicles without parking sensors, or if installing a winch cradle, up to four pod lights can be installed.



Check for interference between rear of pod light and air dam during install.



Steps 14-17 are for parking sensor wire harness installation to bumper. If not installing harness proceed to Step 18. Use PN: 90-60840 panel plugs to cover sensor holes in bumper.

Step 14: Install Bezel Mounts

Start from Passenger side and Install PN: 84-12443 Bezel Mount Inner passenger bumper, use Hardware PN: 90-60843, bolt and tighten. Re-install OE Bezel in its correct orientation. Repeat on Driver side. Note: do not use bezel mounts if installing a Winch Cradle. Install Center bezels per Winch Cradle instructions.



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Installation Instructions: S/B Front Bumper



Step 15: Begin Sensor Installation

Begin installation from Passenger side using OE bezel designated. Install across bumper to driver side, zip tie along bumper for fitment.

Note: Install OE bezels identical to OE bumper location and orientation.



Note: If installing sensors without winch cradle, apply & adjust wire harness as shown in Step 16. If using winch cradle, use wire harness extension from winch cradle instructions.

Step 16: Extend Wire Harness

Locate passenger inner connector. To increase length, remove 8" of harness cover to expose more free length. Use electrical tape to Re-wrap, install OE inner bezel to PN: 84-12443 Bezel Mount (pass.) and bolt to bumper. Repeat on driver inner side. Use zip ties to secure.



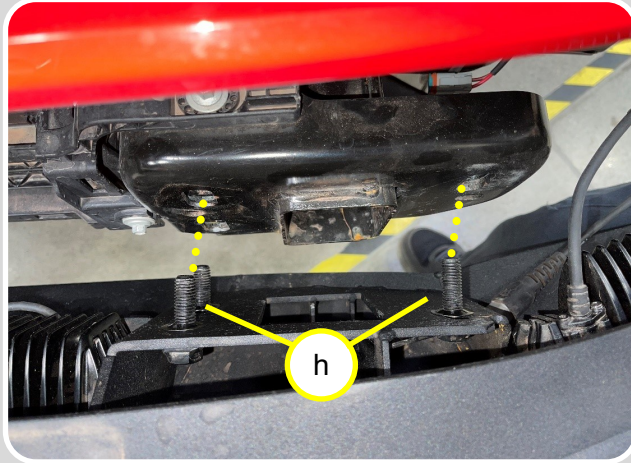
Step 17: Install OE Bezel and Sensor Plug

Driver side: install OE bezel and sensor into bumper. Connect wire harness.



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Installation Instructions: Front of Vehicle



! IMPORTANT NOTE

This step will require 2 people

Step 18: Install Bumper

Ensure that bolt plates are inserted through the frame horn (*h*), and install bumper using 3X 12mm washers and 3X 12mm Nylock nuts (from HWPK: 90-60822, Logo/ Mounting Hardware) per side- Driver and Passenger.

Level, tighten, and torque nuts to specification.



! IMPORTANT NOTE

Refer to page 14 of instructions for torque specifications



Step 19: Reinstall OE Skid Plate

Reinstall and torque the OE Skid Plate with hardware set aside in Step 6.

The Installation is now complete.

! IMPORTANT NOTE

Refer to page 14 of instructions for torque specifications

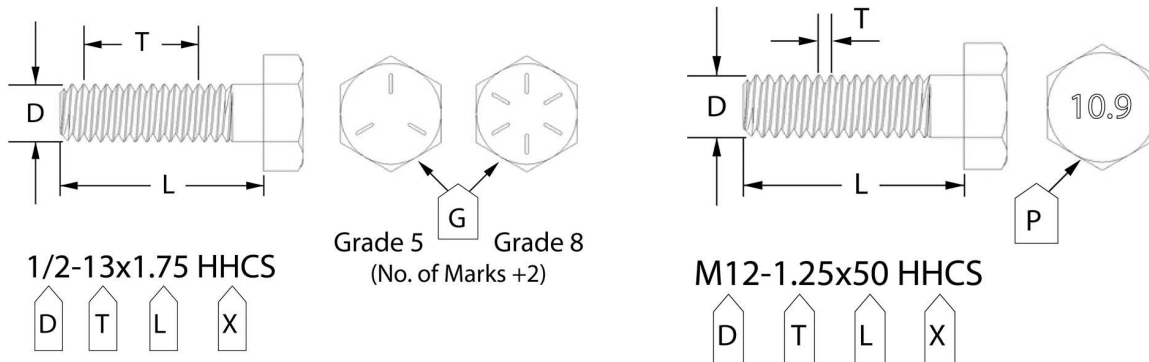


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Bolt Torque Specifications

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			
<i>All Torques in Ft. Lbs. Maximums</i>						
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
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