

Installation Instructions



**XRC Gen 3 Rear Bumper
2020+ Jeep Gladiator JT
S/B79868**



For Technical Support / Warranty Information please call 1-800-776-0767
Smittybilt, 1017 W 600 N, Suite 4, Ogden, UT 84404

Introduction

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



XRC Gen 3 Front Bumper



Defender Bed Rack



Waypoint™ 55L Fridge

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Important Notes Before Starting



IMPORTANT NOTE

Carefully read through this entire instruction manual thoroughly before attempting to install this part. Photos may vary from your vehicle. Installation will remain the same.



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.

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

TOOLS REQUIRED

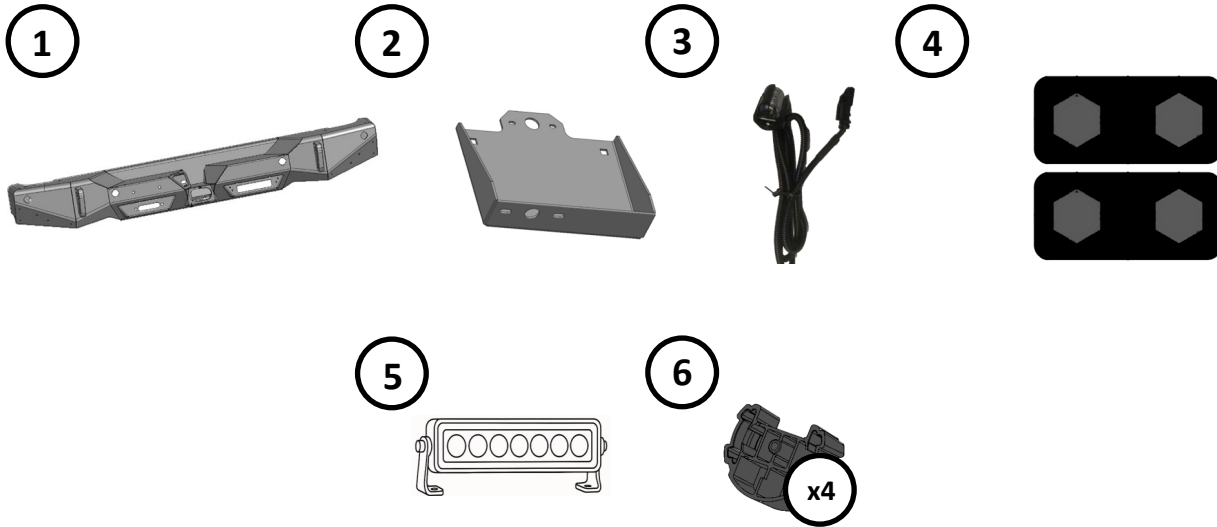
| | | |
|---------------|----------------------|-------------------|
| Hex Key Set | Wire Stripper/Cutter | 13mm Wrench |
| Socket Set | Electrical Tape | 3/8 Drive Ratchet |
| Torque Wrench | Drill | 1/2" Drill Bit |



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Box Contents & Technical Information

79868 Box Components



| ID | Part Description | QTY |
|----|------------------------------|-----|
| 1 | XRC Gen 3 Rear Bumper | 1 |
| 2 | License Plate Bracket | 1 |
| 3 | License Plate Light | 1 |
| 4 | 6" LED Light | 1 |
| 5 | M12 Bolt Plate | 2 |
| 6 | Sensor Retaining Caps | 4 |
| | Rock Rail Nut Plate | 2 |
| | M12-1.75x40mm Bolt | 10 |
| | M10-1.5x25mm Hex Bolt | 4 |
| | M8-1.25x35mm Hex Bolt | 4 |
| | M6-1.0x20mm Button Head Bolt | 2 |
| | M6-1.0x16mm Hex Bolt | 2 |
| | M12-1.75 Hex Nut | 8 |
| | M12-1.75 Nylock Nut | 4 |

| ID | Part Description | QTY |
|----|---------------------|-----|
| | M12 Flat Washer | 22 |
| | M10 Flat Washer | 4 |
| | M8 Flat Washer | 4 |
| | M6-1.0 Nylock Nut | 2 |
| | M6 Flat Washer | 6 |
| | M12 Lock Washer | 8 |
| | M10 Lock Washer | 4 |
| | Plastic Clip Nut | 2 |
| | ST4 Phillips Screw | 2 |
| | Plastic Retainers | 4 |
| | Sensor Foam Spacers | 4 |
| | Winch Mounting Shim | 4 |
| | Sensor Plug | 4 |
| | Frame Brace Bracket | 2 |

*Hardware not actual size.



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Step 1:

Park your Gladiator® on a flat surface, engage the parking brake and chock the wheels. Remove the factory rear bumper, be sure to disconnect the tow plug and parking sensors (if equipped). Remove the trailer plug and install into the **XRC Gen 3 Rear Bumper**.



Step 2:

If equipped with sensors, carefully remove all 4 parking sensors from the OE retaining brackets. Be sure to note the position and orientation of each sensor.

Note: For vehicles without parking sensors install the included sensor plugs. Then, skip to Step 5.



Step 3:

Prep each sensor retainer by installing all (4) **Half-Circle Sensor Foam** onto all (4) **Sensor Retainers**.



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Step 4:

Install all 4 OE parking sensors into the pre-installed (4) **Sensor Mounts** in the **XRC Gen 3 Rear Bumper**. Be sure the position and orientation is the same as it was in the factory bumper. Install all (4) **Sensor Retainers** by pressing them into place until you hear a click.



Step 5:

Install the included **M12 Bolt Plates** into the rear bumper, use the **Plastic Retainers** to hold the bolt plates loosely in place.



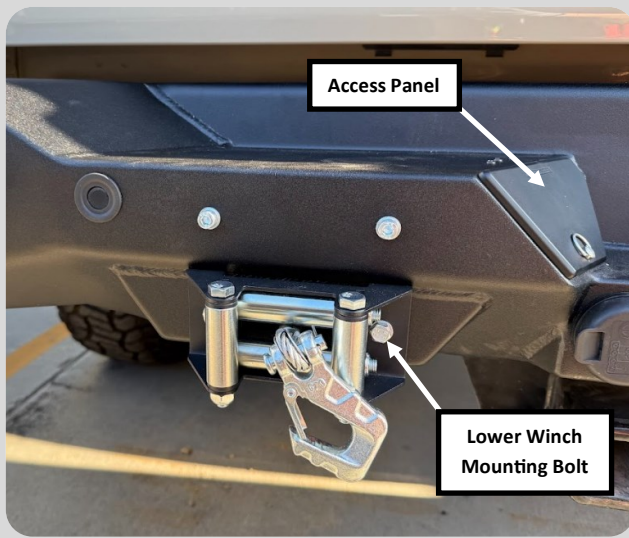
Step 6:

If you're installing a rear winch, do so at this time following the instructions provided with the winch. Continued on **Step 7**.



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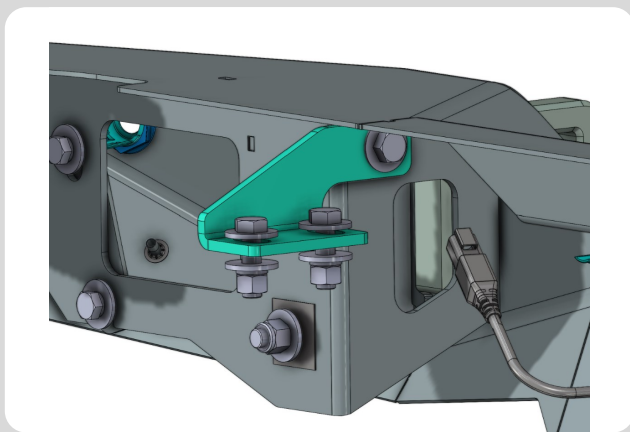
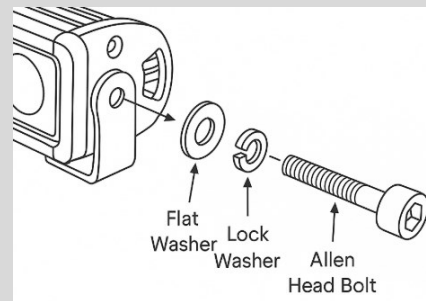
Step 7:

Depending on the winch, you may need the included **Winch Spacers** to keep it flush with the bumper. Mount the fairlead using the lower two winch bolts. If the supplied winch hardware is too short, longer bolts may be needed. Make sure the clutch lever is positioned near the access panel. Make sure to connect the winch wires to the motor terminals before fully mounting the winch. Use the wire boots included with the winch.



Step 8:

Locate and install the included 6" LED Light Bar using the (2) M6-1.0x20mm Allen Head Bolts, M6 Lock Washers, and M6 Flat Washers.



Step 9:

Loosely install the passenger side **Frame Brace Bracket** to the hole on the bumper using the included (1) M12-1.75x40mm Bolt, (2) M12 Flat Washers, and (1) M12-1.75 Nylock Nut. Repeat on the passenger side.



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Step 10:

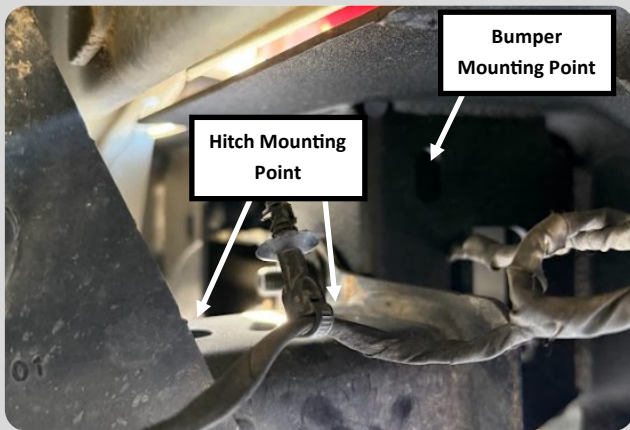
With the assistance of another person carefully lift the **XRC Gen 3 Rear Bumper** onto the rear of your **JT®**. Line up the previously installed **Bolt Plates** with the holes on the bumper mounts. Loosely secure the bumper to the frame using the included **(2 Per Side) M12-1.75 Nylock Nuts** and **M12 Flat Washers**.

Secure the top side of the **Brace Bracket Pairs** to the existing holes on your **Jeep®** using the included **(1) M12-1.75x40mm Bolt**, **(2) M12 Flat Washers**, and **(1) M12-1.75 Nylock Nut** per side.



Step 11:

Locate the **(2) Rock Rail Nut Plates** and secure the bumper to the OE Bed Rock Rails using the included **(2 Per Side) M12-1.75x40mm Bolts**, **M12 Lock Washers**, and **M12 Flat Washers**.



Step 12:

Secure the **Frame Brace Bracket** to the hitch on both sides using the included **(2) M12-1.75x40mm Bolt**, **(4) M12 Flat Washers**, and **(2) M12-1.75 Nylock Nuts** per side.



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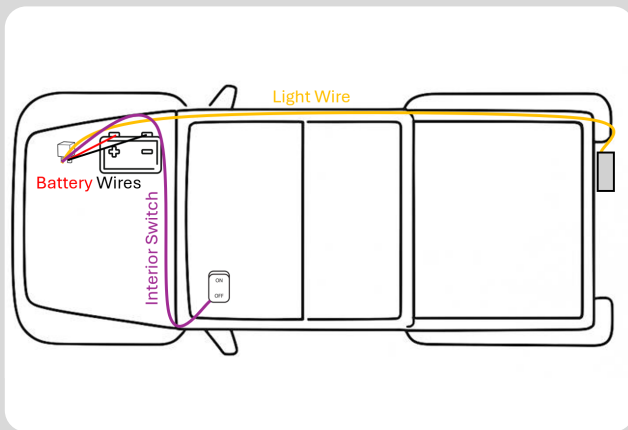
Step 13:

Install the included **License Plate Light** and your license plate onto the **License Plate Relocation Bracket** using the included **(2) Plastic Clip Nuts** and **(2) ST4 Phillips Screws**. Route the wire through the hole in the top left side of the bumper. Secure the **License Plate Bracket** to the bumper using the included **M8 Hardware**. Connect the **License Plate Light** wire to the OE harness



Step 14:

Connect the OE harness to the parking sensors and OE trailer plug. Secure the harness using zip ties as needed.



Step 15:

Wire the winch to power following the instructions included with the winch. A 24' winch harness with Anderson connectors is recommended.

Wire the light using the included harness

Professional wiring by an automotive electrician is recommended.



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Step 16:

Adjust the rear bumper until you're happy with the fitment, then torque down all installed hardware using the guide on **Page 10** of this guide.

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 | | | |
| <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 |

Grade 5 Grade 8
(No. of Marks +2)

1/2-13x1.75 HHCS

D T L X

M12-1.25x50 HHCS

D T L X

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 was 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 was that contains abrasive that could damage the finish.

SMITTYBILT ADVANTAGE WARRANTY

LIMITED-LIFETIME WARRANTY FOR STRUCTURAL COMPONENTS

5-YEAR FINISH WARRANTY

Smittybilt Automotive Products, LLC (SAP) warrants to the original purchaser that (a) the physical components (e.g., metal components, welds, etc.) of any SAP **XRC Gen 3 Rear Bumper** will be free of defects in material and workmanship for the lifetime of the product from the date of purchase of the bumper, and (b) the finish will be free of defects in material and workmanship for a period of 5-years from the original date of purchase. This warranty applies only to the original purchaser of the bumper and is non-transferable. To obtain any warranty service, you must provide SAP with a proof of purchase and date of purchase that is acceptable to SAP, such as a copy of your purchase receipt.

This warranty does not cover labor of part replacement of the bumper. SAP will, at its sole discretion, provide replacement part (s) for a defective bumper or component, provided this is done within the warranty period. To request assistance under warranty, one must call or email using the phone number or email at the bottom of this page. This warranty does not apply (1) wearable components; or (2) if the bumper has been damaged, including, but not limited to: abuse, misuse, collision, modification, misapplication, improper installation, or improper service. This warranty is void if any SAP serial number has been removed or defaced; or if the bumper is used for any commercial, industrial, or rental applications. This warranty only applies to bumpers bought, sold, and used within the Untied States or Canada unless otherwise specifically agreed in writing by SAP.

THE WARRANTY SET FOURTH ABOVE IS THE ONLY WARRANTY. THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANT ABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ANY IMPLIED WARRANTY WHICH BY LAW MAY NOT BE EXCLUDED IS LIMITED TO A DURATION OF ONE (1) YEAR FROM THE DATE OF ORIGINAL RETAIL PURCHASE OF THE PRODUCT. No SAP dealer, agent, or employee is authorized to make any modification, extension or addition to this warranty. SAP SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, DOWN TIME OR LOSS OF USE) UNDER ANY LEGAL THEORY, EVEN IF SAP WAS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Some states do not allow the exclusion of implied warranties or the exclusion or limitation of liability for incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitation or exclusion may not apply to you. This Warranty gives you specific legal rights. You may also have other rights that vary from state to state. SAP reserves the right to change product design without notice. In situations in which SAP has changed a product design, SAP shall have no obligation to upgrade or otherwise modify previously manufactured products. For warranty inquires contact SAP at:

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Customer Service Department

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WARNING: Cancer and Reproductive Harm
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