



07-18 JEEP WRANGLER JK/JKU 18+ JEEP WRANGLER JL/JLU 20+ JEEP GLADIATOR JT FRONT BUMPER INSTALLATION INSTRUCTIONS

JFBST2, JFBMW, JFBST2-SS, JFBST2-SS-B



Thanks for purchasing a Reaper Off-Road bumper for your Jeep Wrangler JK/JL or Gladiator JT. Our team has worked to ensure that this product is the premium in performance, quality, and fitment. We are proud to say that this product will enhance the look and off-road performance of your vehicle. We encourage you to read through the following steps, and check the included Bill of Materials before beginning. Please follow these steps to ensure that your installation goes as planned.

Our products are specifically designed with ease of installation in mind. However, if you are uncomfortable with the following instructions please seek professional assistance. Reaper Off-Road will not be held liable for harm or injury to yourself or your vehicle during installation or use of this product.

Recommended Tool List

- Plastic fastener removal tool
- Flat head screwdriver
- Phillips screwdriver
- Ratchet
- Metric socket set
- Inch socket set
- Allen wrench set
- Blanket or towel



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SECTION A DISASSEMBLY - JK

- A1.** Remove (4) push clips from the lower air dam, along the front edge under the bumper. The clips may pull up by hand, or use a removal tool.
- A2.** Remove (2) push clips from behind the air dam, where it connects to the crash bar.
- A3.** Unplug the foglights and free the wire looms from the bumper.
- A4.** Use a ratchet and 19mm socket to remove the (8) nuts that secure the bumper to the frame.
- A5.** Remove the OEM bumper from the vehicle and set it aside.
- A6.** Use a Phillips screwdriver to remove the plastic filler panel just below the grille. If the (2) screws do not turn, you may need to pry them up or just pull up at each mounting point to pop it loose.
- A7.** Remove the fog lights from the OEM bumper. Use a Phillips screwdriver to remove the (8) screws.

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Detail 1: Remove lower push clips



Detail 4: Remove (8) mounting nuts

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SECTION B DISASSEMBLY - JL/JT

Steps may vary depending on trim level and optional equipment.

- B1.** Remove the plastic skid plate by using an 8mm socket to remove (2) screws at the bottom of the panel. You will also remove (8) plastic retainer clips along the front edge under the bumper. The clips may pull up by hand, or you can use a removal tool.
- B2.** Remove (2) push clips from the top at the air dam, where it connects down to the frame near the tow hooks.
- B3.** Remove the brace that runs side to side. Use a 16mm socket to remove (2) bolts. The brace is tabbed into the frame and may feel stuck. Use a mallet to tap it up and out.
- B4.** Disconnect the fog light harness at the passenger side.
- B5.** Remove (8) nuts at the bumper mounting pads using an 18mm deep socket. The bumper will be loose at this point.
- B6.** Remove the bumper from the vehicle and set it on the ground.

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Detail 1: Remove lower push clips



Detail 3: Remove bolts on brace



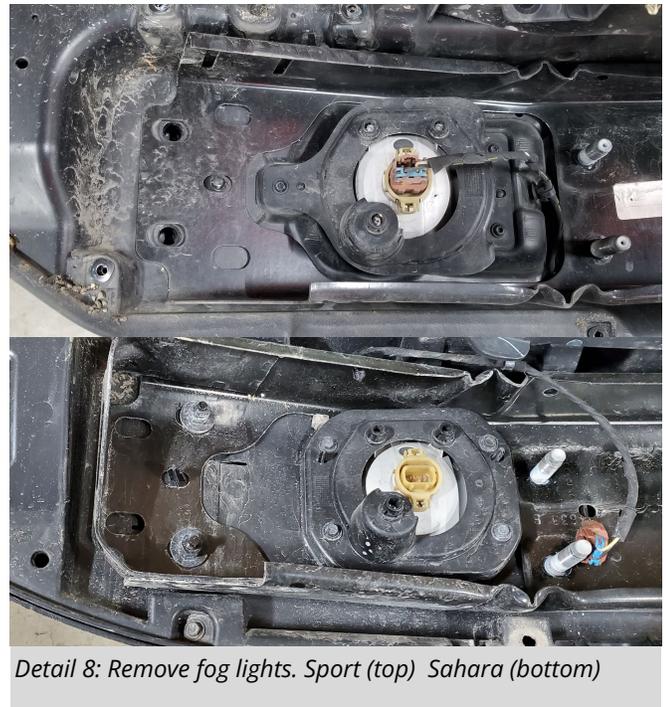
Detail 5: Remove (8) nuts

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**SECTION B (cont.)
DISASSEMBLY - JL/JT**

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- B7.** Remove the plastic covers inside the corners of the bumper to gain access to the fog lights. Sport bumpers have (1) 7mm and (6) Torx T25 screws per side. Sahara/Overland/Rubicon plastic bumpers have (6) push clips per side.
- B8.** Unplug the fog lights and remove any screws holding the brackets in place. Sport bumpers have (3) T20 screws per side. Sahara/Overland/Rubicon plastic bumpers have (4) 7mm screws per side.
- B9.** You will need to remove the fog light harness from the OEM bumper. Sport bumpers have (4) 13mm bolts holding the metal bumper insert to the plastic cover, Sahara/Overland/Rubicon plastic bumpers have (6) nuts to remove.
- B10.** There will be several plastic harness clips holding the wiring in place between the layers of the bumper. For Sport bumpers, you can use a large and small pry bar to separate the layers enough to free the (9) clips and pull the wire harness. For Sahara/Overland/Rubicon plastic bumpers, the fog light harness is between plastic layers of the bumper - you can either free the (14) clips by pushing them through or by disassembling the layers for easier access.
- B11.** Remove the fog lights from the plastic brackets by squeezing the black clips and pushing them through.

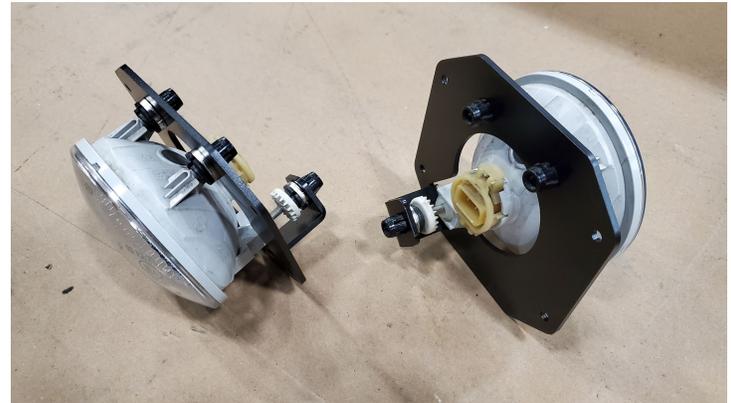


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SECTION C
ASSEMBLY -JK/JL/JT

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- C1.** Install the provided FOGSPCR washers (C) onto the black clips on the fog lights. Install the fog lights into the adapter brackets. These brackets are not needed for JK owners or JL/JT owners who will be using JK style lights (with 4 bolt holes).
- C2.** Assemble the fog lights into the bumper using the (8) provided PHILLIPS HEAD SCREWS (A) and a phillips screwdriver
- C3.** Install the accent plate behind the Reaper logo using $\frac{1}{4}$ "-20 NUTS (H) and a $\frac{7}{16}$ " socket. If you would like to customize the color of this plate it should be done before this step.
- C4.** Next install the bull bar by aligning the thru holes. Slip one $\frac{5}{16}$ " WASHER (D) on the $\frac{5}{16}$ " HEX HEAD CAP SCREWS (B) then insert through the aligned holes. Next slip another $\frac{5}{16}$ " WASHER (D) on the other end and tighten the $\frac{5}{16}$ -18 NUT (G) using $\frac{1}{2}$ " socket.
- C5.** The main plug for fog light harness may need to be moved from the outside of the frame to the inside of the frame. Use a removal tool to free the retaining clip from the vehicle and reinsert it into the inside of the frame.
- C6.** Before installing the bumper, take a look at the top outer studs. These are longer to assist in aligning the bumper. It may also help to check the alignment of L-brackets behind the mounting pads. Loosen the bolts if needed.
- C7.** Install the bumper to the mounting points by aligning the studs and pushing the bumper on fully.
- C8.** Use a 19mm socket and the supplied (8) LOCK WASHER M12 (I), (8) WASHER M12 (E), and (8) NUT M12 (F), to secure the bumper in place. Tighten the bolts on the L-brackets if needed.
- C9.** Reinstall the fog light harness into the fog lights and the main plug at the frame. Zip tie the extra wiring as needed.



Detail 12: Install fog lights into adapter brackets



Detail 15: Accent plate & bull bar installed



Completed install

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