



Proudly Made In USA

Installation Instructions:

JL Summit Rear Bumper
Part Number: **600.200.100**

Vehicle Fitment:

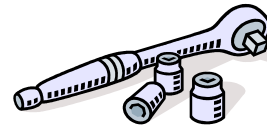
2018 - Present Jeep Wrangler
& Unlimited

Parts List

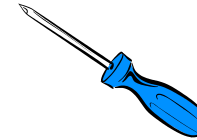
Qty:

- 1 Summit Rear Bumper
- 4 Black Plastic Hole Plugs for Back Up Sensor Holes
- 4 Back Up Sensor Grommets
- 4 Stainless Steel Retainer Clips
- 1 Black Plastic Round Plug for Tire Carrier Tube
- 1 LED License Plate Light
- 2 Butt Connectors with solder joint
- 4 1/4-20 x 1/2" Stainless Button Head Screw
- 2 M3.63 x 14mm Torx Stainless Steel Thread Forming Screw

Tools Needed



Ratchet
7mm Socket
8mm Socket
10mm Socket
16mm Socket
21mm Socket
6" Extension
9/16" Socket
T15 Torx Driver
3/16 Hex Key



Panel Fastener
Tool or Flat Blade
Screwdriver



Lubricating Oil



Heat Gun or Lighter

Congratulations on your purchase of the Hyline Offroad JL Summit Series Rear Bumper. Our products are completely manufactured in our facility located in Perkasio, PA. They are designed and engineered for durability and long product life. We sincerely thank you for your purchase and your support. We look forward to serving you in the future.

Hyline Offroad Staff

PLEASE READ INSTRUCTIONS BEFORE BEGINNING INSTALLATION

Stock Rear Bumper Removal

Step 1 – Remove the three screws from the plastic mud guards on each side
Using an 8mm socket. (See Figure 1)

Step 2 – Disconnect the wiring harness by sliding the locking tab up, then depress connector tab and separate the harness. Pull the two “christmas tree” retainer clips to separate from the frame and bracket.

Step 3 – Remove the metal mud guard bracket from the frame/bumper using a 16mm socket shown in Figure 2. Repeat on passenger side.

Step 4 – Remove the two remaining nuts using the 16mm socket and extension as shown in Figure 3. Repeat on passenger side.

Step 5 – Remove the four tow hook bolts using a 21mm Socket as shown in Figure 4. You will not be reusing the tow hook, but you’ll need to retain the bolts for installation of the Hyline bumper.

Step 6 – Remove the two screws underneath the bumper next to the hitch receiver using the 10mm socket. (See Figure 5) You do NOT have to remove the hitch receiver. The bumper should be free to remove now. Remove remaining brackets on each side of the frame.

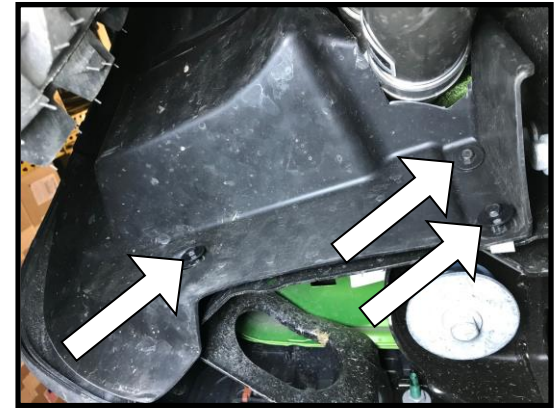


Figure 1

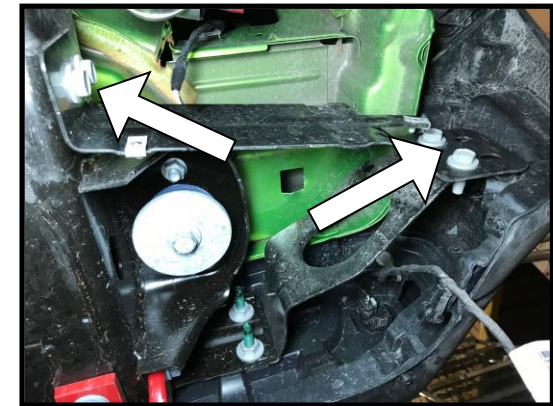


Figure 2

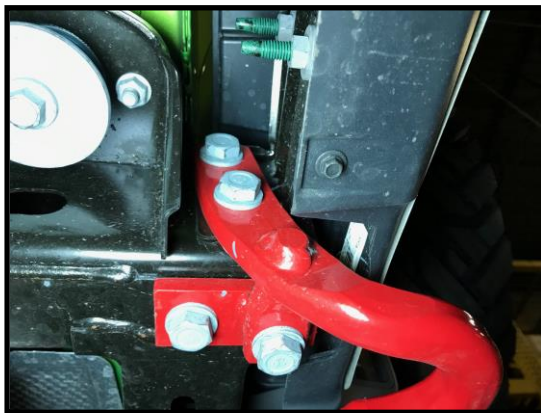


Figure 4

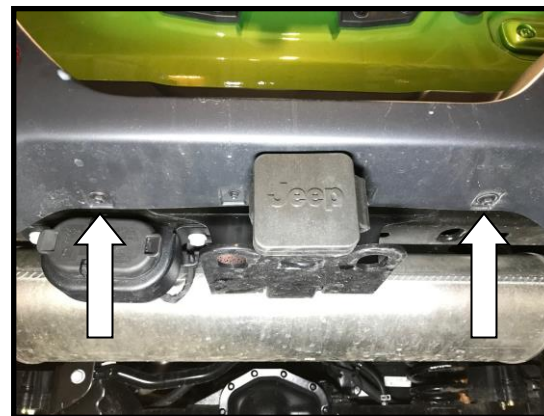
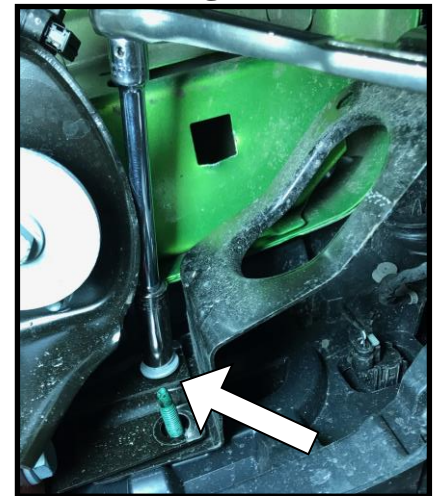
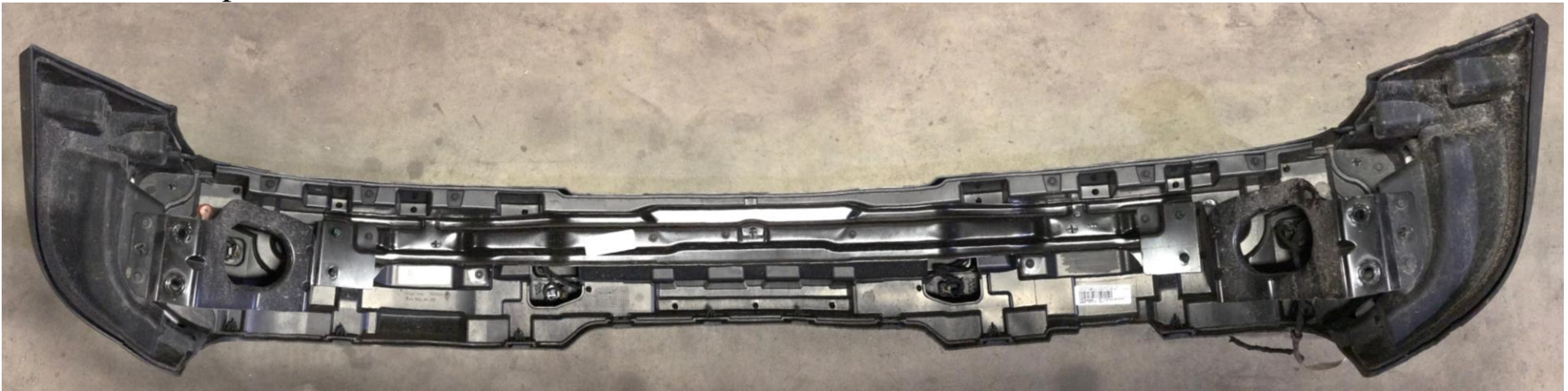


Figure 5



Step 7 – If you have park assist sensors and you want to reuse them in your new bumper then follow these steps in removing the wiring harness and sensors. If you do NOT have park assist sensors you can skip to STEP 11.



Step 7 (Continued)

- Using the 7mm Socket or Nut Driver remove the three screws from each metal bracket on ends of bumper
- Remove the five screws from the center metal stiffener brace.
- Remove the six screws from the plastic end cap inside covers.
- Use a panel fastener tool or flat blade screw driver to remove the white plastic retainer clip from each side. (See Figure 6)
- Pull off the outside plastic end cap cover to expose the two screws.
- Remove the two screws shown in Figure 7.
- Remove the 16 screws from the main plastic insert.
- Remove all four park assist sensors from each plastic housing by spreading the two retaining tabs apart and pulling out the sensor.
- Unplug the License Plate wire connector
- The plastic bumper insert should be free to remove now.
- Pry out each wire retaining push pin and remove wiring harness.



Figure 6



Figure 7

Prep For Install of Hyline Offroad Bumper

Step 8 – If you are NOT re-installing park assist sensors you can skip to Step 11. If you are re-installing the sensors start by installing the four provided rubber grommets into each round cutout in the front face of the bumper. (See Figure 8)

Step 9 – Install the four provided stainless spring steel retainer clips by sliding them underneath each rubber grommet. (See Figure 9)

Step 10 – Disconnect each park assist sensor from its connector to help ease installation. It does not matter which sensor goes into which hole, they are not specific to location on the bumper. Before installing the sensors, rub a small amount of lubricating oil around the inside of each rubber grommet. This will make installation easier. Install the sensors into grommet by pulling up enough on the stainless retaining clip to slide the sensor into the grommet. You will have to work the sensor back and forth until it seats into the grommet correctly. (See Figure 10 & 11 showing proper seating of sensor)



Figure 8

Locate Clip in this orientation for the two inside sensors



Figure 9

Locate Clip in this orientation for the two outside sensors



Figure 10



Figure 11

Step 11 – Install the four provided plastic hole snap plugs if you are not installing park assist sensors now.

Step 12 – Install the provided LED License Plate light using a T15 torx driver and supplied M3.63 x 14mm stainless screws. Feed the wires through the slot of the license plate mount. These are self threading screws so just hold the light casing from behind and apply light pressure to the screw and begin tightening. (See Figure 12)



Figure 12

Step 13 – Route the license plate light wires behind the frame mounting Bracket as shown in Figure 13.

Step 14 – Install the OEM wiring harness that was removed in Step 7. Clip all connectors back onto the park assist sensors. Cut the factory connector off the old license plate light. Use the supplied butt connectors with integrated solder joint and heat shrink tubing.



Figure 13

Installation of Hyline Offroad Bumper

Step 15 – Install the bumper onto the Jeep making sure there are no wires being pinched between the bumper and the frame. Reuse the four large bolts removed from the tow hook in Step 5 and install them through the bumper brackets and into the frame. If you ARE installing a swingout tire carrier DO NOT tighten the bolts yet and skip to Step 16. If you are NOT planning to install a swingout tire carrier go ahead and tighten up all four bolts using the 21mm socket. You can also install the supplied round black plastic tube plug to cover up the pivot pin tube and skip to Step 18.

Step 16 – If you are installing a swingout tire carrier then you **MUST** now install the Passenger Side Reinforcement Bracket that comes with the tire carrier. First loosen the one body mount bolt (white arrow) on the passenger side using the 18mm socket. Just loosen it about ½” or so. It will just make it easier to access the two smaller flange nuts. Now remove the two flange nuts (red arrows) using a 16mm socket and extension. (See Figure 14)

Step 17 – Install the Reinforcement Bracket into place by sliding the bracket forks up onto the threaded studs you removed the flange nuts from (red arrows). Reinstall the flange nuts loosely. Then install the supplied 3/8” x 1” hex bolts, lock washers and flat washers (yellow arrows) to connect the bracket to the bumper. Tighten the 3/8” hex bolts using a 9/16” socket. Then tighten the flange nuts using the 16mm socket and re-tighten the body bolt using the 18mm socket.

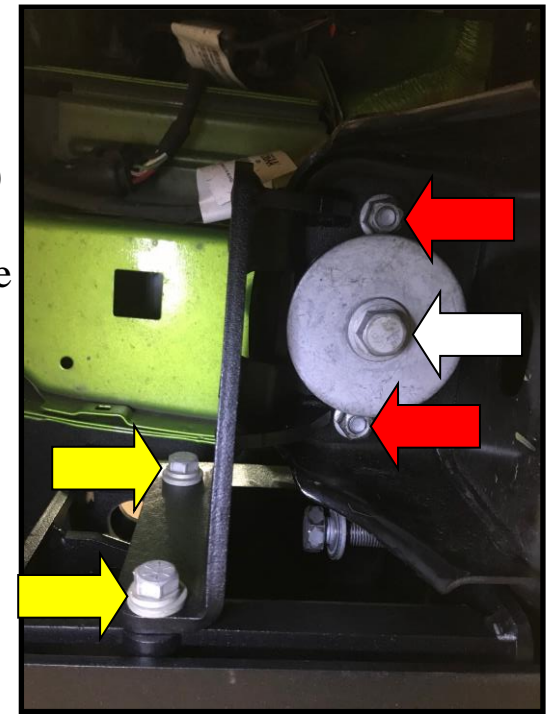


Figure 14

Step 18 – Lastly, tighten the bumper bolts using the 21mm socket and use the four supplied ¼”-20 Stainless steel cap screws and 3/16” hex wrench to install your license plate.



Attention

Installation instructions provided must be read and followed exactly when installing product. Failure to do so could potentially result in injury or death of any occupants in the vehicle. **WEAR SEAT BELTS AT ALL TIMES WHEN DRIVING!**

Though our products are rugged, they are primarily designed and built to enhance the appearance of the vehicle and will not protect from death or injury in the event of an accident. Adhere to all vehicle manufacturers specifications.