

MAXIMUS-3

JL WRANGLER / JT GLADIATOR

TOW / RECOVERY LOOPS

SKU# JL1025TL/ JL1026TL

INSTALLATION GUIDES

PLEASE MAKE SURE YOU READ AND UNDERSTAND THE ENTIRE INSTALLATION GUIDE BEFORE YOU START. WE EXPECT YOU TO HAVE BASIC MECHANICAL ABILITIES TO PERFORM THIS INSTALLATION.

WE RECOMMEND THAT YOU SEPARATE AND IDENTIFY ALL THE PARTS AND HARDWARE KITS YOU RECEIVED WITH YOUR SHIPMENT BEFORE YOU PROCEED TO DISASSEMBLE YOUR JEEP.



IMPORTANT

Follow these instructions precisely. Maximus-3 is not liable for any damage caused by improperly installed products. It is the purchaser's responsibility to ensure both the installation and maintenance is performed properly as set forth in this guide. We recommend using anti seize paste on all non-thread lock bolts.

IMPORTANT NOTICE

THE MAXIMUS-3 TOW / RECOVERY LOOPS ARE FOR RECOVERY ONLY IF USED WITHOUT THE MAXIMUS-3 TOWING TIE ROD. IF YOU ARE FLAT TOWING YOUR JEEP BEHIND A MOTORHOME/RV, ETC, YOU WILL NEED THE MAXIMUS-3 TOWING TIE ROD (PN# JL1020TR) FOR ANYONE WHO FLAT TOWS THEIR JEEP WITH MAXIMUS-3 TOW / RECOVERY LOOPS. This is the safest way to tow your Jeep to avoid premature failure of the product and damage to your Jeep in the event of a towing brake system (surge brake system) malfunction or failure.

Parts List:	Qty	Tools Required:
Tow Loop LHS	1	Wrench and Sockets, 16MM, 18MM, 19MM
Tow Loop RHS	1	Drill and Drill Bits
Hardware Kit	1	Hole-Saw Diameter 1.5 Inch Cut-off
Spacer Plate Kit	1	Wheel (Grinder



INSTALLATION STEPS

(1)- REMOVE THE SKID PLATE USING 15 MM SOCKET/WRENCH

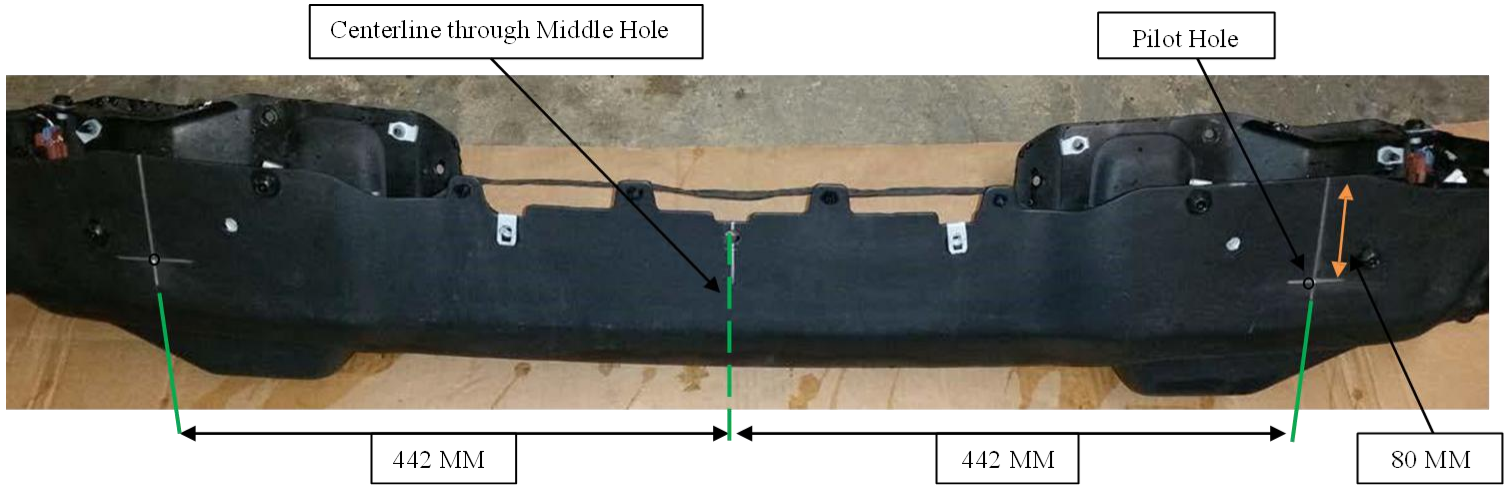
(2)- REMOVE THE FRONT BUMPER:

- Reach under the bumper on the passenger side and disconnect the fog light wire connector from the chassis frame.
- Using the 18 MM drive socket, short extension and ratchet, remove the 8 bumper flanged nuts – (2 outside, 2 inside from each side)
- Carefully slide the bumper assembly out and place on a protective surface.

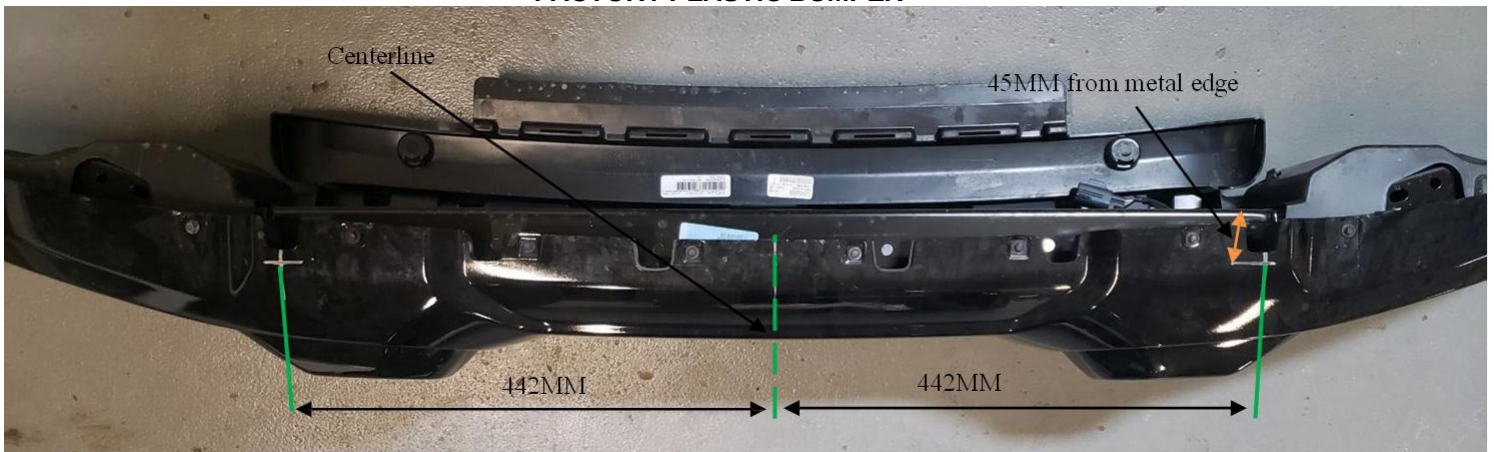
(3)- Cut Clearance Slots in the Bottom of the Bumper

- Mark the center line on the bottom side of the bumper (through the middle hole).
- Mark a line **442 MM** from the center line on each side.
- Mark a drill point on the line **80 MM** from the edge for steel bumpers and 45 MM for plastic, as shown below.
- Using a small drill bit, drill a pilot hole.

FACTORY STEEL BUMPER



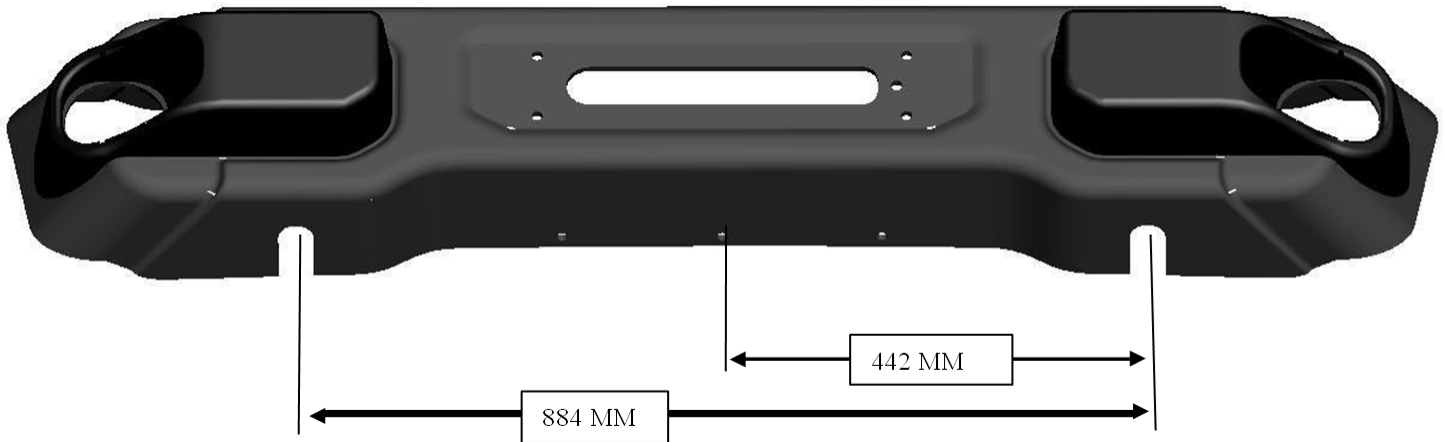
FACTORY PLASTIC BUMPER



- e. Using a 1.5" hole-saw drill out a radius hole.
- f. Mark lines tangent to the holes you drilled out to cutout clearance slot as shown below.

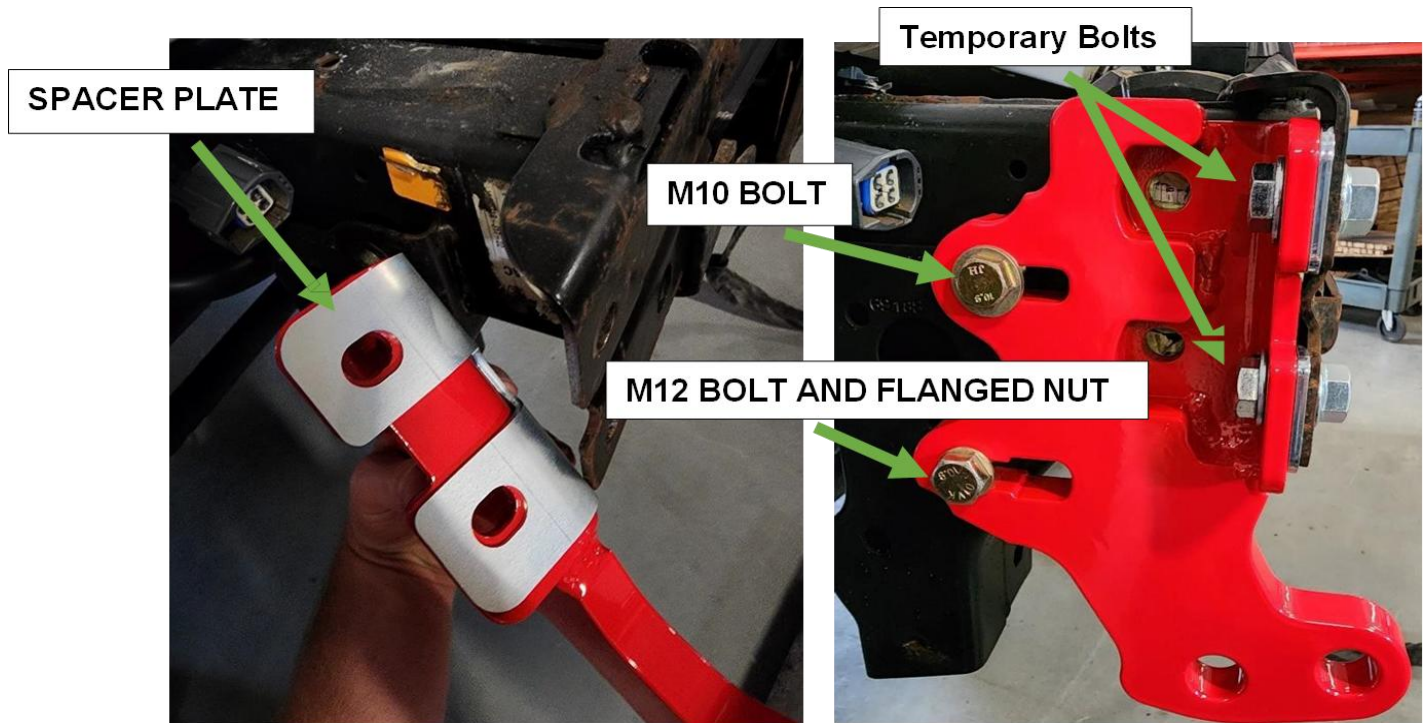


- g. Using a cut-off wheel/grinder, cut along the lines you marked to the tangents of the holes to create a slot.
- h. De-burr your cut edges and touch up with a protective paint to prevent rusting.
- i. Reassemble the bumper.
- j.



(4)- INSTALL THE TOW LOOPS:

- a. Place the spacer plate on the Tow Loop and start the temporary bolts through frame-horn as shown. Repeat on other side, wait to tighten bolts.
- b. Now start the side bolts using **M10 bolt** (top) and **M12 bolt and flanged nut** (bottom), then tighten the temporary bolts



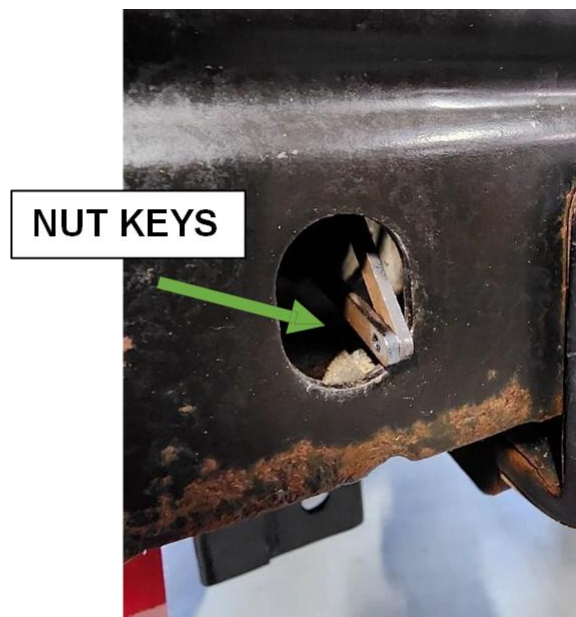
- c. to pull the Tow Loops forward against the frame horn. Now tighten the side bolts and repeat the same on the other side.
- d. Next you will need to drill out the 2 holes behind the frame-horn.



- e. You need to bend the nut keys to fit in the hole on the front of the frame-horn. Once you have one in use the bolt and tighten, then push the access hanging out into the hole.



- f. Now once the 4 bolts are tightened on the side of the tow loop going into the frame you can remove the temporary bolts holding it to the frame horn. Then push the access of the nut key hanging out the access hole in the frame into the hole out of the way for reinstalling the bumper

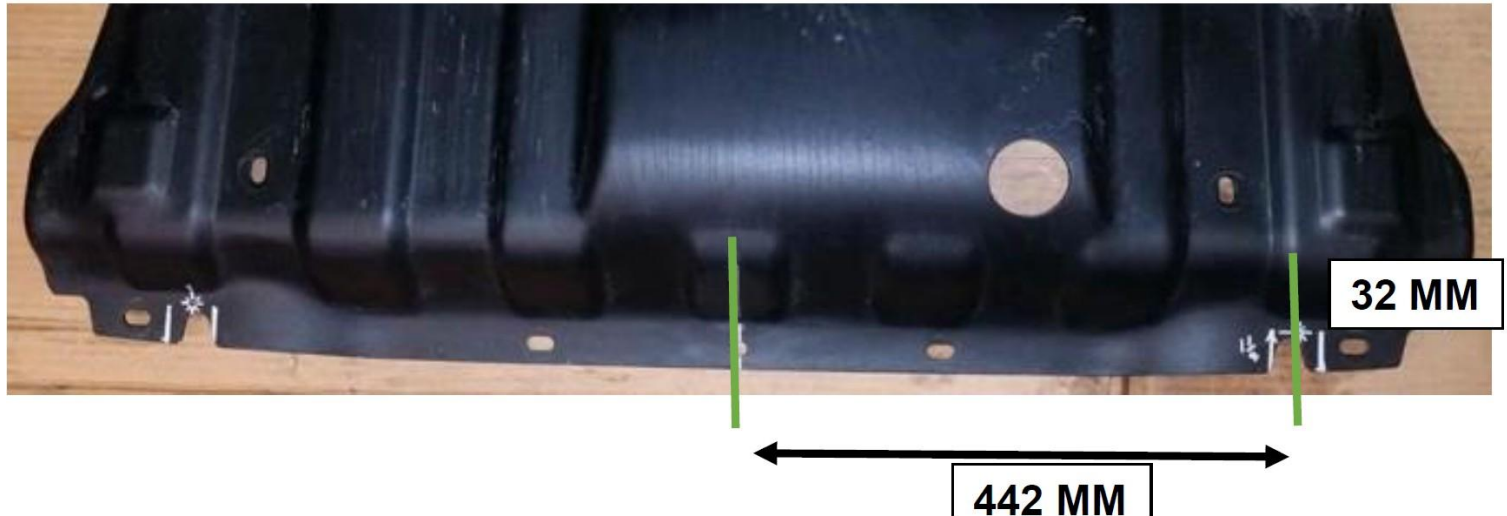


- g. Reinstall the bumper using the factory nuts and tighten.



(5)- CUT CLEARANCE SLOTS IN THE SKID PLATE (Similar process to step 3):

- a. Mark the center line on the lip of the skid plate (through the middle hole).
- b. Mark a line **442 MM** from the center line on each side.
- c. Mark a drill point on the line **32 MM** from the edge of the skid plate as shown below.
- d. Using a small drill bit drill a pilot hole.
- e. Using a 1.5" hole-saw drill out a radius hole.
- f. Mark lines tangent to the holes you drilled out.
- g. Using a cut off wheel/grinder cut along the lines you marked to the tangents of the radius holes you drilled in the previous step to create a slot.
- h. De-burr your cut edges and touch up with a protective paint to prevent rusting.



- i. Re-assemble the skid plate. Make sure the Tow Loops clear well through the slot.





Your installation is complete. If you have questions regarding this installation please contact us at Sales@maximus3.com or call (248) 821-6654.



WARNING



We offer a **Limited Warranty** on products engineered and manufactured by **MAXIMUS-3**.

Our **Warranty** covers all workmanship, material, and paint/finish defects for a period of 1 year (12 months) from the time of initial purchase.

All Maximus-3 aftermarket products and components must be installed as the manufacturer instructs. Maximus-3, LLC will not be responsible for any modification, improper installation, alteration, tampering, neglect, abuse or misuse of our products. Only use Maximus-3 installation guide to add, alter, or fabricate factory parts to incorporate Maximus-3 products. We will be happy to answer any questions concerning the design, function, and correct use of our products by calling 248-821-6654. It is ultimately the user's responsibility to have all fasteners properly retorqued after the first 100 miles and then every 3,000 miles thereafter. Tire carrier must be inspected for looseness every 1,000 miles. Using your vehicle off-road will put extreme stress on the vehicle and components. After driving off-road, always check for damage and wear to components, accessories, and equipment. Completely inspect your vehicle including wheels, tires, tire carrier, roof rack, and front set up. Check all threaded fasteners for looseness. Re-torque if necessary to the required specifications. Check and remove any accumulated dirt, mud rock, or debris to preserve powder coat finish/rust prevention.

MAXIMUS-3 provides detailed installation instructions for every product. It is the responsibility of the purchaser/installer to ensure these instructions are followed properly. MAXIMUS-3 will not be responsible for damage caused by misuse, altered or improperly installed products. MAXIMUS-3 will not cover paint or labor costs for damaged items. The warranty is not transferable and covers all items ordered on or after December 1, 2012, with a valid original receipt. The warranty covers all components manufactured by MAXIMUS-3 unless otherwise specified on individual product listings.

3 Year Manufacturer Warranty

Maximus-3 products are warranted to be free from structural defects. All metallic components will carry 3-year manufacturer structural warranty. All warranty claims shall be issued in replacement of the original part or in-store credit. No refunds will be issued in cash, check or credit card payments.

ANY PACKAGES BEING SENT/RETURNED TO MAXIMUS-3 WITHOUT RETURN MERCHANDISE AUTHORIZATION (RMA) NUMBERS WILL BE REFUSED AND RETURNED TO SENDER.

RETURN POLICY

(Procedures for Returning or Exchanging Product)

PRODUCT MUST BE RETURNED TO THE ORIGINAL PLACE OF PURCHASE – Please refer to your original invoice.

Returns and Exchanges

At MAXIMUS-3 we strive to get your order to you complete, undamaged and 100% correct. Your satisfaction is guaranteed. Products can be returned within 15 days of shipment if they are unused, uninstalled, unpainted and in new and saleable condition. Returned products need to be in their original packaging with all parts and instructions included. All returns of non-defective, non-damaged or special-order parts are subject to a 15% restocking fee, unless we made an error.

All returns require a "Return Merchandise Authorization" (RMA) number from MAXIMUS-3 or one of our Distributors.

Whether we have made an error, you wish to exchange something, or there is a warranty claim, an RMA number is required. This number must be written on the outside of the returned package. Please allow five (5) business days for refunds to appear on your credit card statement. **No returns will be accepted on modified, "Custom" or "Special Order" items.** Item(s) must be received within 30 days of the RMA issue date; otherwise, the Return Merchandise Authorization will be voided.

Damaged Merchandise

Upon receiving your order, open the carton(s) and thoroughly inspect the contents. If any package arrives and shows signs of external damage, you may choose not to accept it. You may refuse it and require your seller to advise you of their procedure to follow. If there was damage during shipment, contact us so that a claim can be filed. Please keep all packaging materials should the carrier wish to inspect them.

Truck Freight Shipments

It is imperative to make a note of any damage on the delivery receipt at the time of delivery. **Open and inspect** the merchandise carefully **before** signing the delivery receipt. We can only initiate claims if the damage was noted at the time of delivery. Freight costs are all based on shipments to commercial addresses (with a dock), if you require shipment to a residential address, additional charges may be applied to the order total.

Products

Product specifications, availability and pricing are all subject to change without notice. National, State, Provincial or local laws and regulations may prohibit the removal or modification of stock vehicle components, or the addition of some of our products for on road use. It is the responsibility of the purchaser to ensure that the use of purchased products follows all laws and regulations.