

MAXIMUS-3



JL WRANGLER RUBICON

TOW LOOPS

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.

Parts List:

Qty

Tow Loop LHS	1
Tow Loop RHS	1
Hardware Kit	1

Tools Required:

Wrench and Sockets, 16MM, 18MM, 19MM
Driller and Drill Bits
Hole-Saw Diameter 1.5 Inch
Cut-off Wheel (Grinder)



INSTALLATION STEPS

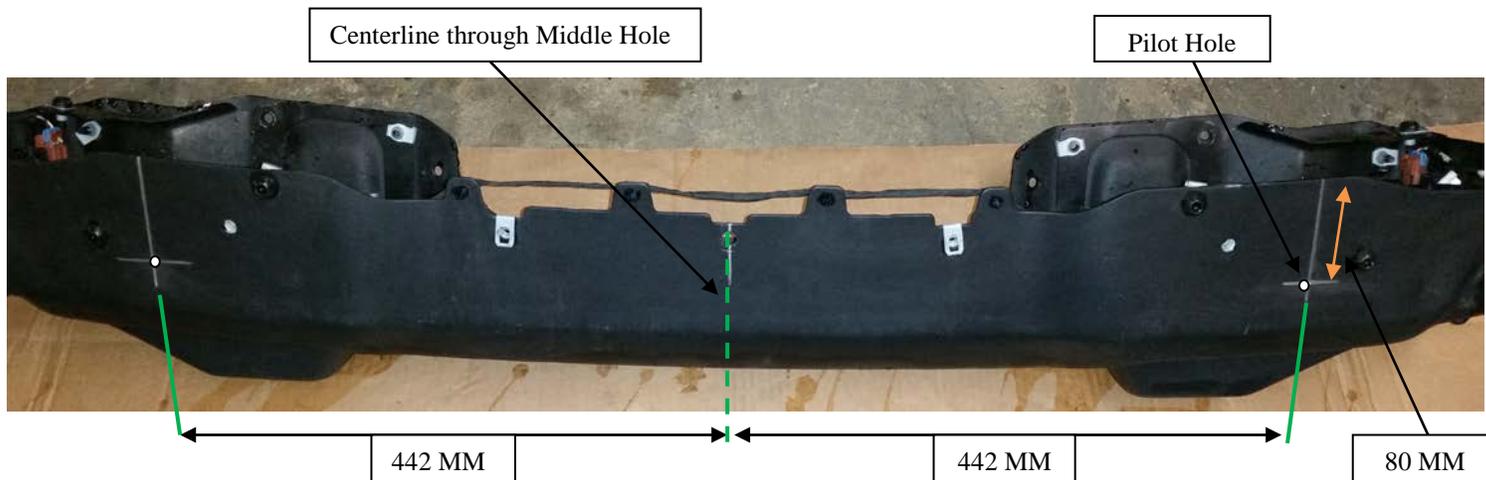
(1)- REMOVE THE SKID PLATE USING 15 MM SOCKET/WRENCH

(2)- REMOVE THE FRONT BUMPER:

- Reach under the bumper on the passenger side and disconnect the fog lights wire connector from the chassis frame.
- Using 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 of the bumper as shown below.
- Using a small drill bit drill a pilot hole.



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

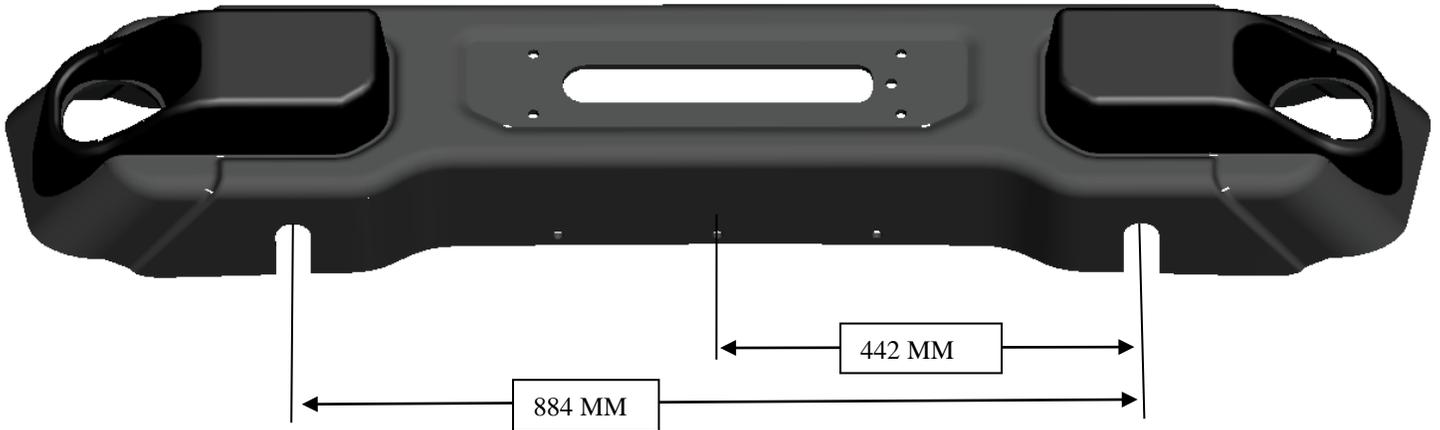


Hole Saw



Clearance Slot To Cut

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



i. Reassemble the bumper.

(4)- INSTALL THE TOW LOOPS:

- a. Place 1 spacer washer on each of bumper outer studs as shown.
- b. Insert your Tow Loop over the bumper studs and align to back mounting points on the chassis frame as shown. Now secure front using factory nuts and back end using M10 bolts (top) and M12 bolt and flanged nut (bottom). Repeat the same on the other side and tighten all bolts.

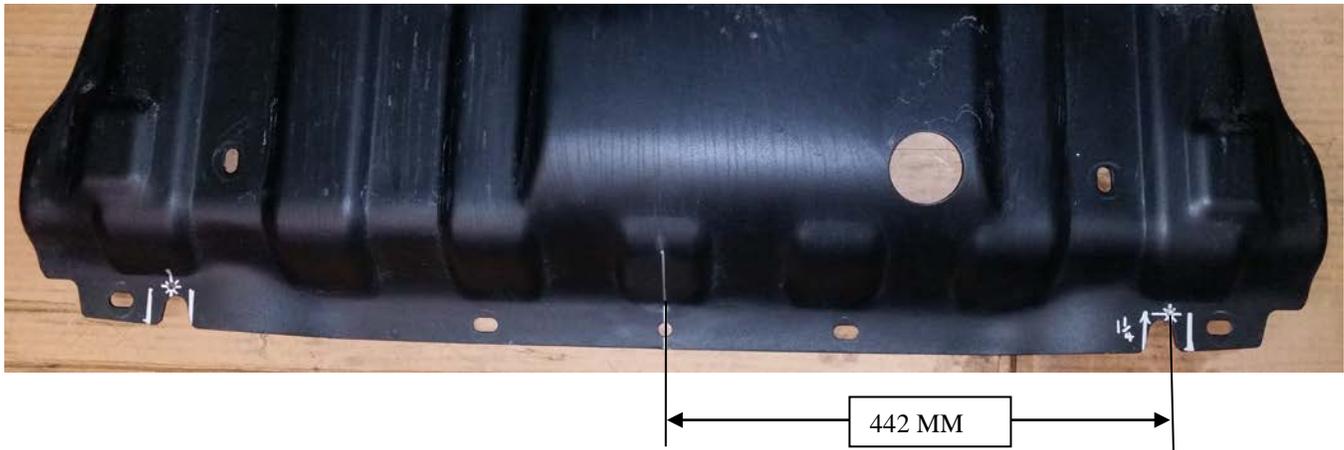


Spacer Washers



(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.



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

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Your installation is complete. If you have questions regarding this installation please contact us at info@maximus-3.com or call 248 821 6654.