

# MAXIMUS-3



10A/X & HARD ROCK RUBICON

D-RING LOOPS WITH HI-LIFT JACK POINTS

**THIS OPTIONS IS NOT COMPATIBLE WITH OFF CENTER WINCH SETUP  
THIS PRODUCT IS DESIGNED TO WORK WITH MAXIMUS-3 10A/X WINCH MOUNT ONLY  
FITS 3/4" D-RING PIN**

## 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 BUMPER.

### Parts List:

D-Ring Loop LHS  
D-Ring Loop RHS

### Qty

1  
1

### Hardware Component List:

M10 Hex Head Bolts  
Flat Washers – Zinc Plated

### Qty

4  
4

### Tools Required:

Metric Drive Sockets: (15MM, 18MM, 19MM)  
Metric wrenches/spanners  
Driller and Drill Bits  
Hole-Saw Diameter 1" (25MM)  
Cut-off Wheel (Grinder)



## INSTALLATION STEPS

### (1)- REMOVE THE SKID PLATE:

Using a 15 MM drive socket and ratchet remove the skid plate – there are 7 bolts to remove, 5 in front and 2 in the back. Remove the skid plate and place on a protective surface to avoid surface damage.



### (2)- REMOVE THE FRONT BUMPER:

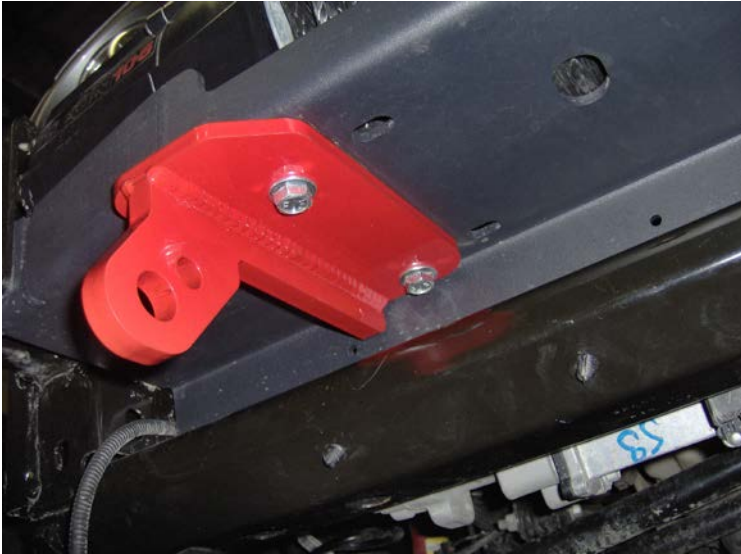
Reach under the bumper and disconnect the fog lights wire connectors, both RHS & LHS. Using the 18 MM drive socket, short extension and ratchet remove the 8 bumper flanged nuts – there are 4 bolts on each side. Carefully slide the bumper assembly out and place on a protective surface.



### (3)- INSTALL THE D-RING LOOPS:

Using a ratchet wrench (spanner), remove the winch mounting bolts – there are 4 bolts, 2 in the front and 2 in the back. Keep the winch alignment on the plate.

Align the mounting holes on the D-Ring Loops to corresponding winch mounting holes on the winch plate and bolt to the winch through the winch plate using the bolts and washers provided. Please refer to the pictures below. Note the Left Hand Side and the Right Hand Side brackets.



### VERY IMPORTANT HINT:

**For WARN Zeon 10s winch** do not tighten the bolts for now – leave just a bit loose as you may need to slide the winch from side to side when you come to re-assemble the bumper later.

**For small body winches** tighten and torque all the 4 bolts - Torque to 30 – 35 (Ft.Lbs) on each bolt.

### (4)- PREPARE THE BUMPER FOR INSTALL:

#### (A)- For D-Ring Loops only:

Mark the center line of the bumper through the center of skid plate front mounting hole.

On the Left Hand Side, mark a drill point 85 MM from the bottom edge of the Bumper and 175 MM from the center line.

Mark with a center punch and drill out with a 1" Hole Saw. Repeat the same on the Right Hand Side.

Using a Cut-off Wheel (Grinder) cut a slot to the tangents of the hole you just drilled out. Refer to the pictures below.

De-burr with a file and paint the cut edges for rust protection.



### **(B)- For D-Ring Loops with Hi-Lift Jack Points:**

Mark the center line of the bumper through the center of skid plate front mounting hole.

On Left Hand Side, mark 2 drill points 175 MM and 240 MM from the center line and 85 MM from bottom edge of the bumper.

Mark with a center punch and drill out 2 holes with a 1" Hole Saw. Repeat the same on the Right Hand Side.

Using a Cut-off Wheel (Grinder) cut from bumper edge to tangents of the holes you drilled out to create a wide slot as shown by dotted white lines in the picture above.

De-burr with a file and paint the cut edges for rust protection.

### **(5)- RE-ASSEMBLE THE BUMPER:**

Lift the bumper assembly and carefully align and push the studs into their respective holes on the chassis frame – you may need a second person to help you align the holes.

Slightly tilt the bumper forward for hand clearance and hand-start the 8 factory bumper nuts you removed in step (2).

Tighten and torque all 8 bumper nuts using 18 MM socket drive ratchet, extensions and a universal joint (flexi socket extension) -

You may need to use a long extension to tighten the driver side lower inner nut working from underneath the vehicle.

Torque to 66.5 Ft.Lbs (90 N.m) on each bolt.



If you are installing a Zeon winch, now adjust the winch position, tighten and torque the winch and D-Rings down using an open/box wrench or ratchet wrench - there are 2 bolts in front and 2 in the back. Torque to 30 - 35 (Ft.Lbs) on each bolt.

### **(9)- RE-ASSEMBLE THE SKID PLATE AND RECONNECT THE FOG LIGHTS:**

Re-assemble the skid plate using the factory mounting bolts you removed in step (1) – there are 7 bolts.

Reconnect the Fog Lights.



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