

Parts List

1	Winch support bracket
2	Nut plate
2	Hex bolt, M10 x 30mm
2	Flat washer, M10
2	Lock washer, M10
2	Hex bolt, M12 x 30mm
2	Flat washer, M12
2	Lock washer, M12

Tools Required

Ratchet	Torque wrench
Phillips screwdriver	Flathead screwdriver
10mm socket	Deburring tool
16mm socket	Touch-up paint
18mm socket	Masking tape
Cut-off tool	

Torque Specifications

	Metric	SAE
M6 bolt	3 ft.-lbs.	
M8 bolt	7 ft.-lbs.	
M10 bolt	25 ft.-lbs.	
M12 bolt	45 ft.-lbs.	
1/4" bolt		3 ft.-lbs.
5/16" bolt		7 ft.-lbs.
3/8" bolt		16 ft.-lbs.
7/16" bolt		20 ft.-lbs.
1/2" bolt		28 ft.-lbs.

Use above torque setting unless otherwise noted

Level of Difficulty

Moderate

Product Image



Notes and Maintenance

Before you begin installation, read all instructions thoroughly.

Proper tools will improve the quality of installation and reduce the time required.

To protect the product, wax after installing. Regular waxing is recommended to add a protective layer over the finish. Do not use any type of polish or wax that may contain abrasives that could damage the finish.

For polished, gloss and other smooth finishes, polish may be used to clear small scratches and scuffs on the finish.

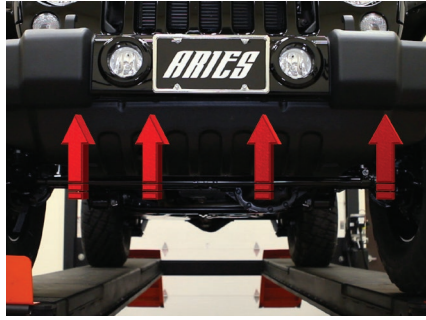
Mild automotive detergent may be used to clean the product. Do not use dish detergent, abrasive cleaners, abrasive pads, wire brushes or other similar products that may damage the finish.

Refer to the table to the left when securing hardware during the installation process to help prevent damage to the product or vehicle.

Step 1

Using a flat head screwdriver, pry and remove the four plastic push pins securing the air dam in place. Remove the air dam from underneath the vehicle.

Once removed, pry off the fasteners securing the brackets to the frame.



Step 2

From behind the bumper, disconnect the wiring harness attached to each fog light. Unclip the wiring harness from the bumper cover.



Step 3

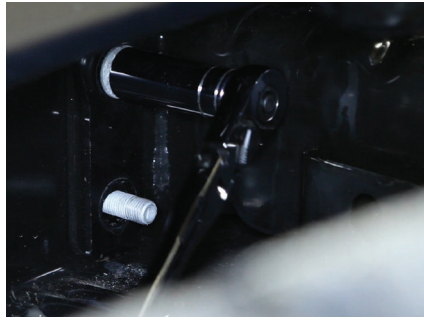
Locate the two fasteners securing the frame cover in place on top of the bumper. Remove these with a Phillips screwdriver.



Step 4

When facing the Jeep head-on, slide the cover to the left to expose the driver side bolts securing the bumper in place. Remove the four nuts securing the bolts onto the bumper frame with an 18mm socket.

Repeat this step on the passenger side.



Step 5

When all the bolts have been removed, carefully lift the bumper from the frame and set on a flat work surface.



Step 6

Remove the front bolt securing the vacuum pump to the frame.

Loosen the rear bolt securing the vacuum pump to the frame and rotate it to the left.



Step 7

Cut off the vacuum bracket as shown and deburr the cut edge. Use touch up paint to protect raw metal.



Step 8

Pull out the wiring harness from the side of the frame and place tape on the nut plates.

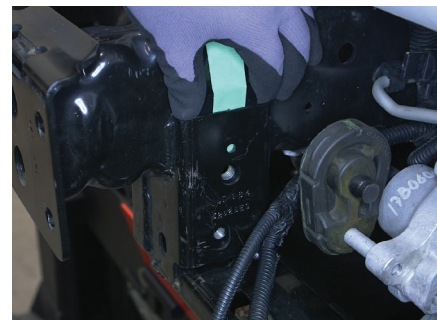


Step 9

Tuck the fog light wiring harness into the frame channel.

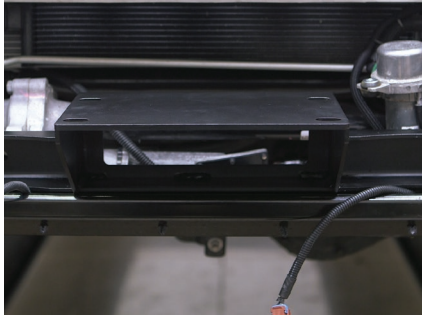
Insert a nut plate, aligning the two threaded holes with the holes in the Jeep frame. Temporarily hold in place with tape.

Repeat this process on the driver side.



Step 10

Set the winch support bracket in place making sure the wiring harness is routed below the bracket as shown.

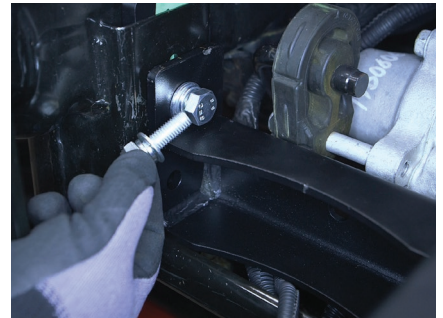


Step 11

Insert the M12 and M10 bolts with flat washers and lock washers.

Repeat this step on the driver side.

Do not tighten fasteners until all four bolts are started.



Step 12

Remove the tape from both nut plates.

Using a torque wrench, torque the M10 bolts to 25 ft./lbs. and the M12 bolts to 45 ft./lbs.



Step 13

Congratulations on the installation of your new winch support bracket.

With the winch support bracket installed, periodic inspections should be performed to ensure all mounting hardware remains tight.

Note: Please refer to the instructions provided with the front bumper, and the winch manufacturers instructions to complete the installation.

