

Installation Instructions

Jeep Wrangler JL



TrailGuard™ Rear Swing Away Tire Carrier

For proper installation and best possible fit, please read all instructions BEFORE you begin.

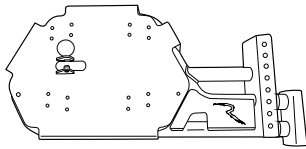
Important Safety Information



- CAUTION - Before driving, ensure that the bumper is properly secured to vehicle.
- Periodically check all components for tightness.

Contents

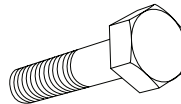
NOTE: Actual product may vary from illustration.



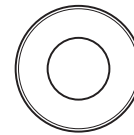
Tire Carrier



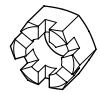
M12 Nylon Lock Nut (2)



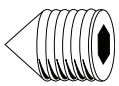
M12 Hex Bolt 70 *31MM (2)



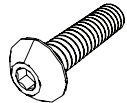
M12 Flat Washer 24*2.5MM (4)



M24 Hexagon Thin Slotted Nut (1)



M8 Cone Point Slotted Screw(1)



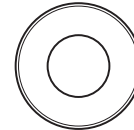
M6 Socket Cap Screw(4)



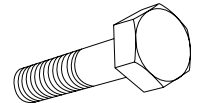
M6 Flat Washer (6)



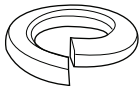
M6 Nylon Lock Nut (4)



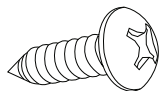
M12 Flat Washer 29*5MM (4)



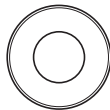
M12 Hex Bolt 60MM (4)



M12 Lock Washer (4)



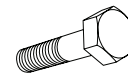
M4 Phillips Screw (1)



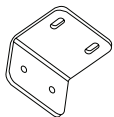
M8 large Flat Washer (8)



M8 Lock Washer (8)



M8 Hex Bolt (8)



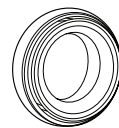
Tire Carrier Seat Installation Plate (1)



Threaded Rod End Bearing (2)



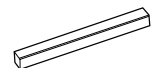
Oil Seal (1)



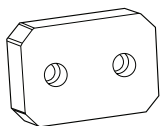
Tapered Roller Bearing (2)



Rubber Plug (2)



Flat Key (1)



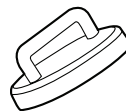
Buffering Pad (1)



M12 Connecting Screw Rod (1)



M12 Lock Screw (2)

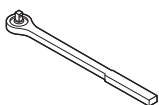


End Cover Assembly (1)



Bearing Retainer (2)

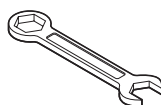
Tools Required



Socket Wrench



Socket Set



Wrench Set



Allen Wrenches

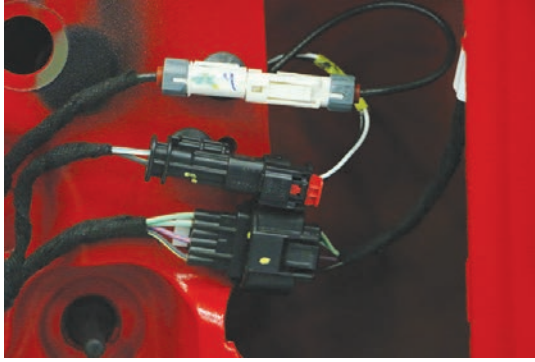


Safety glasses

Installation Steps NOTE: Actual application may vary slightly from illustrations.

Remove the interior tailgate panel and disconnect 3rd brake light and rear view camera. Remove rear bumper and tire carrier. Save tire carrier and hardware for reuse on Swing Away.

1



Remove the (2) rubber bump stops on the tailgate. Save for installation in the Swing Away. Install provided plastic cap.

2



Remove Driver / Left side vent panel from tailgate by using a flat screw driver and pushing down the tabs at the top of the vent.

3



Install Tailgate Plate using the original hardware.

4



Installation Steps **NOTE:** Actual application may vary slightly from illustrations.

Make sure the pivot is centered properly in the pass-through hole of the bumper and is straight up. A level may be useful in making sure the pivot is perpendicular to the ground.

5



Insert the Large Bearing Race into the bottom side of the tube on the Swing Away.
Make sure the Race is fully seated into the machined housing.



6

Pack the Large Bearing with Marine-Grade grease.
Insert the Large Bearing into the Race.



7

Place the Large Pivot Washer onto the bearing.



8

Insert the Bearing Seal into the housing by tapping evenly all around the seal.
Make sure the seal is fully seated and flush with the housing edge



9

Insert the Small Bearing Race into the top of the pivot housing by tapping evenly all around the edge.
Make sure the race is fully seated into the housing.



10

Place the Swing Away onto the pivot on the bumper.



11

Installation Steps NOTE: Actual application may vary slightly from illustrations.

Pack the Small Bearing with Marine-Grade grease.
Insert the Small Bearing in the house, on the Pivot and into the Race.

12



Place the Small Pivot Washer on top of the Small Bearing, then thread on the Castle Nut.

Tighten the Castle Nut by hand as far as you can while pivoting the Swing Away. This will help make sure the bearings are properly seated. Then, using a 36mm Socket, tighten the castle nut as tight as it will go.

Then back off the Castle Nut until the slots align.

Pivot the swing away through the full range of motion to make sure it moves smoothly



13

Insert the Square Pin into the slot.



14

Thread the Set Screw into the top of the Pivot. Tighten the Set Screw to lock down the Square Pin.



15

Insert the Factory Rubber Bump Stops into the the plate on the Swing Away. Make sure the conical tip is fully seated into the counter-sunk hole.



16

Remove the 3rd Brake Light and Camera wires from the goove in the Tire Carrier.



17

Installation Steps NOTE: Actual application may vary slightly from illustrations.

Inside the tire carrier, pull the plastic fastener securing the rear view camera wire.



18

Pass the 3rd Brake Light and Camera wires through the access hole, towards the tailgate.



19

Using the provided 8mm bolts, 8mm Flat Washers, bolt the factory tire carrier to the new swing away.



20

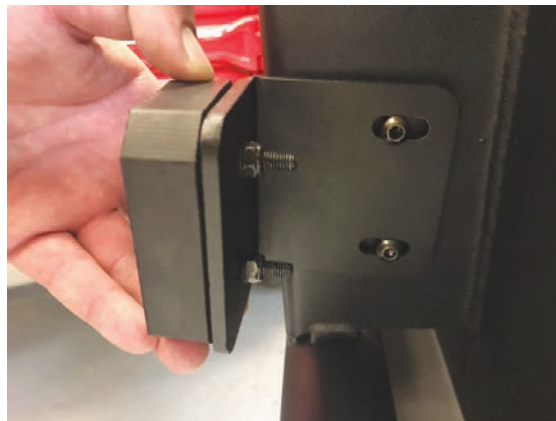
Pass the 3rd Brake Light and Camera wires through the access hole, towards the tailgate.



21

Bolt the provided Bump Stop Pad to the Bump Stop Bracket using the provided 6mm x 30mm Allen Head Bolts, 6mm Flat Washers and 6mm Nylock Nuts.

Then bolt the Bracket to the center support of the Swing Away. The bracket will need to be adjusted in Step 22, after the heim assembly has been adjusted.



22

Bolt the Heim Assembly to the Tailgate Bracket using the provided 12mm x 70mm Bolts, 12mm Flat Washers and 12mm Nylock Nuts. Tighten hardware.



23

Installation Steps **NOTE:** Actual application may vary slightly from illustrations.

Looking through the opening in the side of the tire carrier, bolt the Heim Assembly to the Swing Away using the provided 12mm x 70mm Bolts, 12mm Flat Washers and 12mm Nylock Nuts.

The Heim Assembly can be adjusted while installed using right and left-hand threaded heims. Rotate the center coupler and adjust the Swing Away so that it is parallel to the tailgate of the Jeep. Tighten jam nuts.



24

Adjust the Bump Stop so that it contacts the tailgate plate and is flat against it and is partially crushed at full close. This may require temporary removal of one side of the Heim Assembly.



25

Tighten all hardware. Install the Swing Away Spindle Cap by tapping into place.



26

Care and Cleaning

- Rampage products are built to last; any detergent you use to wash your vehicle is sufficient to clean the product. Do not use any harsh abrasive detergents. Periodically check and lubricate moving parts, tire swing pivot has a zerk fitting to grease joint.

Congratulations!

You have purchased one of the many quality Rampage® branded products offered by Lund International. We take the utmost pride in our products and want you to enjoy years of satisfaction from your investment. We have made every effort to ensure that your product is top quality in terms of fit, durability, finish and ease of installation.



The material that your product is made from can be recycled. Please also consider recycling the packaging that your product came in.

