

**Fits with either a soft top or hard top installed.
Please read ALL directions before starting on Sports Rack.**

Leave all bolts loose till everything has been installed unless instructed otherwise.

Olympic 4x4 Products are serviced by our factory. We provide answers to installation questions. We ship parts ASAP. Try us before the hassle of returning Olympic 4x4 Products to your retailer or mail order specialist. **For assistance please call (800) 777-0878.**

Other accessories are available for the Sports Rack



Sports rack on TJ Wrangler



Rack folding back for soft-top removal/installation.

Technical specifications:

Weight: 50 lbs.

Load capacity: 150 lbs. Standard

Load capacity: 300 lbs. With 901-Raise N Shine and 912- Loader Kit
or 914- H.D. Front Supports and 912- Loader Kit

Outside dimensions of top load bars: 41" X 69"

To determine the total height of the Sports Rack on your vehicle, measure from the ground to the top of the body tub, then add 33.5" for total height.

Tools needed

3/8" or 1/2" drive ratchet wrenches

Socket wrench sizes: 3/8", 1/2", 5/8", 11/16", and 3/4"

Open end/ combination wrench sizes: 3/8", 1/2", 5/8", 11/16", and 3/4"

T-40 Torx drive socket

Flat head screwdriver

Phillips head screwdriver

5/32" Allen wrench

Optional tools and equipment

Stepladder

Drill motor

5/16" drill bit

Note:

5/16" bolts use 1/2" wrench

7/16" bolts use 5/8" wrench

1/2" bolts use 3/4" wrench

5/16" nuts use 1/2" wrench

7/16" nuts use 11/16" wrench

7/16" nuts use a different size than the 7/16" bolts

901-12X List of hardware

<u>Qty</u>	<u>Description</u>
6	5/16" X 1" Hex head bolt
10	5/16" Flat washer
6	5/16" Lock washer
4	5/16" Flange nut
24	7/16" Flat washer
12	7/16" Flange nut
12	7/16" X 1 1/4" Hex head bolt
2	3/8" X 5" Hex head bolt
4	3/8" flat washer
2	3/8" NyLock nut
1	5/16" X 1 1/2" Allen head set screw
2	#12 Stainless steel screw
2	1/2" Flat washer
2	1/2" Lock washer
6	5/16" countersunk head bolts
2	1/4" threaded knob

901-11X List of hardware

<u>Qty</u>	<u>Description</u>
10	5/16" X 1" Hex head bolt
10	5/16" Flat washer
4	5/16" Lock washer
6	5/16" countersunk head bolts
4	5/16" Nyloc nut
1	5/16" X 1 1/2" Allen head set screw
2	1/2" X 1 1/2" Hex head bolt
2	1/2" Flat washer
24	7/16" Flat washer
12	7/16" Flange nut
12	7/16" X 1 1/4" Hex head bolt
4	#12 Stainless steel screw
2	1/4" threaded knob

Parts list

Rear mounting bracket, left
 Rear mounting bracket, right
 Rear support, left
 Rear support, right
 Top load bar (5)
 Front support, left
 Front support, right
 Rear cross bar
 Front cross bar
 Rear hinge top (2)
 Rear hinge bottom (2)
 Plastic caps 1 1/2" round (4)

Parts list

Rear mounting bracket, left
 Rear mounting bracket, right
 Rear support, left
 Rear support, right
 Top load bar (5)
 Front support, left
 Front support, right
 Rear cross bar
 Front cross bar
 Plastic caps 1 1/2" round (4)

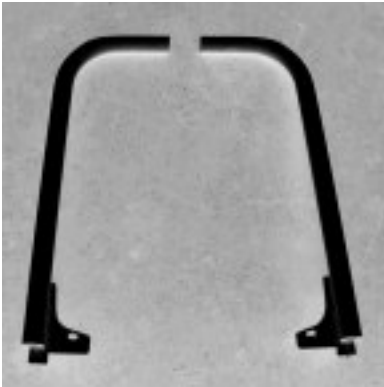
Optional Accessories for Sports Rack

911- Raise N Shine kit, Adapts to the sports rack, retro fitting previous sports racks on Wrangler TJ so you can easily raise the top of the rack to lower the convertible style soft top of the Wrangler TJ. Simply depress stainless steel button on front support arm and lift up the rack. It will pivot on the two rear brackets.

913- Sports Rails, Easily bolt right onto the sports rack, providing a basket when using the 901-Sports rack for carrying equipment.

TJ Wrangler Sports Rack has Raise N Shine kit included, which consists of 2 rear hinges and 2 HD front supports.

Contents photos



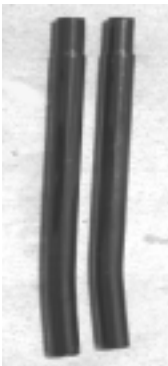
HD front support
right and left
901-12X & 901-11X



Rear mounting bracket
left and right
901-11X



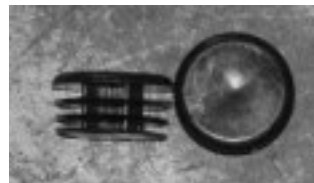
Rear mounting bracket
left and right
901-12X



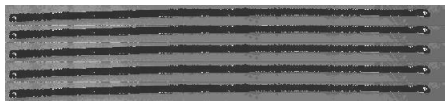
Rear support bar
left and right



Front and rear cross bar



Plastic end caps



Top load bar (5)



Raise N Shine Hinges
with hardware installed



Photo 1



Photo 2



Photo 3

Step 1. Remove your taillight cover and taillight housing from vehicle body. Using Phillips head screwdriver and flat head screwdriver. See Photos 1,2, and 3.

Note: Depending on model of Jeep, the taillight may have hex head bolts; use a 3/8" socket wrench instead of the flat head screwdriver.



Photo 4

Step 2. Install the rear-mounting bracket behind the taillight using OEM bolts, lock washer and flat washer. See Photo 4.

NOTE: For extra strength you may drill 5/16" holes in your Jeep body and install 5/16" hex head bolts, flat washers, lock washers, and nyloc nuts in the pre-drilled holes on the rear mounting bracket. You will then need to seal the holes by applying silicon sealer on the bolts prior to installation.

Note: On TJ Wrangler, the right rear-mounting bracket is cut to fit around the tailgate hinge.



Photo 5



Photo 6



Photo 7

Step 3. Connect one rear support bar to rear mounting bracket using 1/2" X 1 1/2" hex head bolts, lock washer and flat washer. A 3/4" wrench will tighten these bolts. Then insert rear cross member into one end of rear support. Secure rear cross bar to rear support using 1" screw and tighten with a Phillips head screwdriver. See Photos 5,6, &7.

Note: The rear cross member is shorter than the front cross member



Photo 8



Photo 9



Photo 10

Note: For installation on Wrangler TJ and any other installation of the Raise N Shine kit, use the supplied Raise N shine hinges between rear mounting bracket and the rear support. The hinges will be bolted in place with 5/16" X 1" hex head bolts, flat washers, and 5/16" flange nut in the small hole; in the large hole use 7/16" X 1 1/4" hex head bolts, flat washers, and 7/16" flange nuts. The hinges will be offset towards the outside of your jeep. To aid in installing the hinges first bolt the hinge

bottom to the rear-mounting bracket, then install the rear hinge top on to the rear support using a lock washer between the rear hinge top and the rear support. Connect the rear support bars that have the rear hinge top connected to them to the rear hinge bottom using a 3/8"X5" hex head bolt, flat washers, and NyLock nut. See Photos 8, 9, & 10.

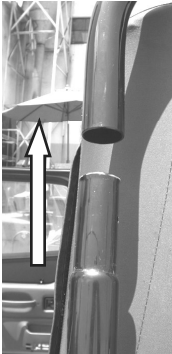


Photo 11



Photo 12



Photo 13

Step 4. Install the second rear support to the rear cross member in the same way as stated above, and then slide it into place with the rear mounting bracket(or rear hinge bottom depending on vehicle). For installation without the Raise N Shine kit use 1/2" X 1 1/2" hex head bolts, lock washer and flat washer. See Photos 11, 12, & 13.

Note : For installation with the Raise N Shine kit, align the rear hinge top with the rear hinge bottom and secure them together using 3/8"X5" hex head bolt, flat washers, and Ny Lock nut. See Photo 13.

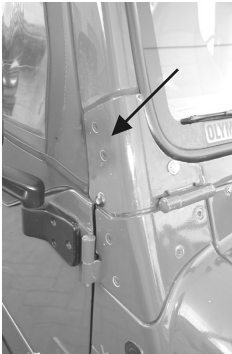


Photo 14



Photo 15



Photo 16

Step 5. Remove top bolt from upper part of windshield hinge, using #40 Torx bit and install a 5/16"x 1 1/2" Allen set screw with a 5/32" Allen wrench, to keep threaded plate inside windshield in place. Then remove all other bolts and attach front support with 5/16" x 1" countersunk head bolts, and 5/16" hex head bolts on the front of the windshield hinge also use a flat washer and lock washer. Once front support is tightened in place, remove Allen set screw and replace with countersunk head bolt. Leave these bolts loose till later

Note: When removing a Torx bolt that has been painted over, tap the torx bit in place with a hammer to make sure it is fully seated, then unfasten the Torx bolt. Torx size is a T-40.

Step 6. Install front cross member by sliding it onto the front supports. Secure the front cross bar to the front supports using 1/4" threaded knobs. Tighten the bolts that secure the front supports to the windshield hinge now.

Note: On TJ wrangler kit the front supports are secured to the front cross member with a stainless steel button. Raise N Shine kits also are secured with a stainless steel button. You must install the stainless steel button inside the front supports. To install it into front supports you must drill the hole on both the front supports and the front cross bar so that the pin will engage.



Photo 17



Photo 18

- Step 7. Assemble the 5 top load bars to front cross bar and rear cross bar by using 7/16" x 1 1/4" hex head bolts along with flat washers, and 7/16" flange nuts. Finger tighten bolts at this time. Once all bolts are finger tight you may then **securely tighten all bolts**. Use a 5/8" and a 11/16" wrench on these nuts and bolts. See Photos 17&18.
- Step 8. Re-check tightness on ALL nuts and bolts.
- Step 9. After 500 miles or first off-road trip, whichever comes first, re-check tightness on ALL nuts and bolts.
- Step 10. Purchase Olympic 4x4 accessories for your new Sports Rack.