



**ROCK HARD 4X4 JEEP CHEROKEE XJ
1984-2001 SPORT CAGE (MAIN SECTION)
PART #: RH-1012 AND RH-1012-1 -2 -3
Installation Manual**



(OPTIONAL CENTERBARS SHOWN)

Customer Service / Tech Support: sales@rockhard4x4.com
Thank you for your purchase! Please read all instructions carefully prior to
beginning installation of your Rock Hard 4x4 product.

PACKING LIST:

- 1 - H-BAR**
- 1 - LARGE HOOP**
- 1 - SMALL HOOP**
- 1 - DASH BAR**
- 2 - LT & RT 45 DEGREES BRACE
(EARLY & LATE 45 DEGREES
ARE THE SAME.)**
- 2 - LT & RT. REAR SIDE BARS**
- 2 - BASE PLATES FOR FRONT
HOOP SAME AS BOTTOM OF
BAR**
- 2 - BASE PLATES FOR CENTER
HOOP IN WELDING SHOP**
- 2 - BASE PLATES FOR REAR
HOOP**
- 2 - 45% BRACE BACKING
PLATES (ON HARDWARE
ISLE BOX XJ HARDWARE)**
- 4 - 1 3/4" CLAMPS WITH HOLES
(ROUND)**
- 2 - 1 3/4" CLAMPS WITH
THREADS (FLAT)**
- 1 - 5/16" TAP**
- 12 - 3/8" X 1 1/2" BUTTON HEAD
BOLTS**
- 12 - 3/8" NYLOCK NUTS**
- 4 - 1/2" X 1 1/2" BUTTON HEAD
BOLTS**
- 4 - 1/2" NYLOCK NUTS (THIN)**
- 2 - 5/8" X 1 1/2" BOLTS**
- 2 - 5/8" NYLOCK NUTS**
- 48 - 5/16" X 1" SOCKET HEAD
BOLTS**

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Thank you for your purchase! Whether you bought this Rock Hard 4x4 product from one of our fantastic dealers or our factory direct team, we thank you for your business.

Rock Hard 4x4 is a family owned and operated business. We are headquartered in Saint Paul, Nebraska where we design, fabricate, and produce every single one of our products. Every single part we manufacture is 100% Made in the USA and exclusively in house by the Rock Hard 4x4 team.

We outsource zero processes.

To you, that means the product you are installing is the highest quality and longest lasting component on the market.

To us, that means you've selected a part we've spent years developing. Each Rock Hard 4x4 part has gone through more research and development and evolution than most people realize. While our parts may have the same striking look year after year, subtle revisions and refinements we implement maintain their status as the most durable and easy to install on the market.

We invite you to send us your feedback! Please email, call, write, or catch us on an off road trail near you to share your tales, share comments, and ask questions.

Phone: 308-750-4690
Fax: 308-754-5201
Email: sales@rockhard4x4.com
Site: www.rockhard4x4.com
Mail: ROCK HARD 4X4
1005 Twin Forks Lane
Saint Paul, NE 68873

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PRO TIP: This is a two-person install.

1. Locate six drain holes under Jeep (three on each side).
 - a. 2 approximately in front of front doors
 - b. 2 approximately in front of rear doors
 - c. 2 behind rear fender well
2. On 2-door models – measure back from center drain pan plug 4 $\frac{3}{4}$ " and outside the frame rail 3 $\frac{7}{8}$ ". Center punch and drill $\frac{1}{8}$ " to $\frac{1}{4}$ " hole in center of each plug from bottom up. Do not drill center plug on 2-door model.
3. Drill $\frac{1}{8}$ " to $\frac{1}{4}$ " hole in center of each plug from bottom up.
4. Increase size to $\frac{1}{2}$ " in front four holes.
5. Increase rear holes to $\frac{5}{8}$ ".
6. Remove all grab handles above each door on interior (if equipped.)
7. Bring front hoop into position taking care to not hit windshield and crack/break glass.
8. Place a cloth around top ends and approx 6" down the outside of plates so you do not scratch your a-pillar molding.
9. Push passenger side forward first. Driver side should not be inside molding – just up against it.
10. After passenger side is within approx $\frac{5}{8}$ " of the windshield push the driver side in the same distance.

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Remove cloth. This is a tight fit but now glove box will operate.

11. There should be approx 5/8" distance between glass and plate.
12. Install 1/2" bolt with nylock nut down through larger hole in hoop.
13. Install plate under floor pan through drain hole.
14. Tighten 1/2" bolt – do not snug.
15. Install center hoop (taller of two).
16. Install 1/2" bolt down through larger hole in hoop through floor and install plate under floor. Tighten with nylock nut – do not snug at this time.
17. Install rear hoop (shorter of two).
18. Install 5/8" bolt down through hoop plate and install plate under floor. Use nylock nut. Do not snug at this time.
19. Install H-section in front top. Use clamps around dash bar with threads.
20. Install bolts in dash clamps but do not tighten. Install rear side bars matching front H-section clamps to about 1/2 way around corner at the rear hoop. If not matching at rear you have wrong side.
21. Lightly snug all clamp hardware and front floor plate.

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22. Install 45-degree brace clamp in rear with the plates matching rear inner fender.
23. Check distance between windshield glass and front hoop plate and windshield glass and upper windshield bar. If less than 5/8" at windshield bar pull back with ratchet strap. Hook on center hoop and out rear hatch, around bumper to spring shackle. Do one side at a time. Once clearance is correct drill two 3/8" holes in 45-degree brace into rear fender well.
24. Use 3/8" bolts and plates. Instal bolts from fender well so threads and nuts are inside cabin. Tighten hardware.
25. Repeat for other side of vehicle.
26. Drill 3/8" holes in front hoop and center hoop floor plates and install 3/8" bolts and nylock nuts.
27. Tighten all cage hardware.

CONGRATULATIONS! Now go wheel your rig with a whole new level of confidence and capability.

Please send photos of your install and wheeling adventures to pics@rockhard4x4.com. We love seeing our products on the trail!

Rock Hard 4x4 Exclusive Limited Lifetime Warranty

Your Rock Hard 4x4® branded accessories are covered by the following Limited Warranty provided exclusively by Rock Hard 4x4., 1005 Twin Forks Lane, St. Paul, NE 68873.

This Limited Warranty is the only warranty made in connection with your purchase. Rock Hard 4x4 neither assumes nor authorizes any vendor, retailer or other person or entity to assume for it any other obligation or liability in connection with this product or Limited Warranty.

What is Covered: Subject to the terms, exclusions and limitations herein and with respect only to Rock Hard 4x4 branded accessories first sold in the United States, Rock Hard 4x4 warrants to the initial retail purchaser only that your Rock Hard 4x4 accessory shall be free of defects in material and workmanship for the lifetime of this product.

Rock Hard 4x4 reserves the rights to: (a.) require invoice or other proof your accessory is within the terms of this Limited Warranty as a condition of warranty service and, (b.) make future revisions to this product and Limited Warranty without prior notice or obligation to upgrade your product.

What is Not Covered: *Your Rock Hard 4x4 Limited Warranty does not cover products or parts Rock Hard 4x4 determines to have been damaged by or subjected to: (a.) Installation damage, alteration, modification, combination with other parts, failure to maintain or improper repair or service, (b.) normal wear & tear, cosmetic damage or damage from moisture or water immersion, (c.) Acts of God, accidents, misuse, negligence, inadequate mounting or impact with vehicle(s), obstacles or other aspects of the environment, (d.) theft, vandalism or other intentional damage. (e.) powder coat, anodizing, or paint finish.*

Remedy Limited to Repair/Replacement: *The exclusive remedy provided hereunder shall, upon Rock Hard 4x4 inspection and at Rock Hard 4x4's option, be either repair or replacement of product or parts (new or refurbished) covered under this Limited Warranty. Customers requesting warranty consideration should first contact Rock Hard 4x4 to obtain a RGA number (308-750-4690). All labor, removal, shipping and installation costs are customer's responsibility.*

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