



**ROCK HARD 4X4 JEEP WRANGLER JK 2/4-DOOR
2011-2015 SPORTS CAGE (MAIN SECTION)
PART #: RH-1030-1L
Installation Manual**



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Thank you for your purchase! Please read all instructions carefully prior to
beginning installation of your Rock Hard 4x4 product.

PACKING LIST:

- 1 - OVERHEAD CAGE SECTION**
- 1 - DRIVER SIDE A PILLAR CAGE SECTION**
- 1 - PASSENGER SIDE A PILLAR CAGE SECTION**
- 1 - DASH BAR CAGE SECTION**
- 1 - OVERHEAD BAR CAGE SECTION**
- 1 - DRILL GUIDE PLATE**
- 4 - 1 3/4" CLAMPS**
- 2 - 1 3/4" CLAMPS (CHAMFERED)**
- 39 - 5/16" X 1" SOCKET HEAD BOLTS**
- 2 - 3/8" X 2 1/2" BUTTON HEAD BOLTS**
- 2 - 3/8" STD FLAT WASHERS**
- 6 - 3/8" X 1" BUTOTN HEAD BOLTS**
- 2 - 3/8" THIN NYLOCK NUTS**
- 1 - 5/16" TAP**
- 2 - 7 GAUGE DOOR POST SPACERS**
- 2 - 11 GAUGE DOOR POST SPACERS**

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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.

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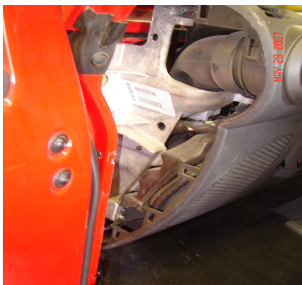
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1. If hard top, remove. If soft top, simply fold back – you do not have to unbolt hardware from rear 45-degree factory cage section.
2. Remove driver and passenger front doors by unbolting security nuts in hinge pins (if equipped) and unplug electrical connection in foot wells (if equipped).
3. Remove sun visors and set aside. These will be reinstalled later when you are done with install. Torx T20.
4. Remove top corner molding on both sides of windshield as shown in photo below. These will be trimmed and reinstalled later. (Reinstalling is optional). A phillips screwdriver may be required to loosen body plugs. Remove 2 upper bolts using 13mm socket.



5. Unzip vehicle roll bar covers on both sides and remove foam that is over your front door seats along upper doorframe.
6. Remove plastic dash side panel covers. These simply pop out and are not reused.



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7. Trim dash plastic on upper dash using box cutter or sharp knife. Trim down to defrost vent. On some models you may have to also notch aluminum dash support bracket.



8. Install driver side window side bar, lower tip in first, rotating inward slightly. You may have to give it a bump to help it get into position until you can start bolts in upper two holes by windshield visor mount – only snug bolts. At the same time you are twisting you can apply upward

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pressure to help keep plate off your dash pad. Some blue painters tape over the a/c vent helps prevent marring.



9. Use drill guide to mark where to drill holes. Top of drill guide should be lined up with top of nut plate that is welded to dash side plate. Center punch holes or mark with sharpie. Remove a-pillar upright (unbolt from top of windshield as well) and drill holes using long drill bit to help clear door hinges. You'll want to drill as straight as possible to prevent misalignment.



10. Repeat steps 7, 8, and 9 on passenger side.
11. Reinstall driver side window bar, top bolts and three 3/8" x 1" button heads into door post holes you just drilled using 7/32 allen.
12. Lay dash bar across dash and install clamp on driver's side. Start with middle screws to help center cap onto

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- collar. Do not snug bolts at this time. Dash bar is different than overhead bar. The dash bar DOES NOT have chamfered sides on welded on collar. Be sure to use caps that are not chamfered on dash as well. Chamfered caps will be used on overhead bar. ¼" allen wrench.
13. Install passenger side bar with three 3/8" x 1" button head bolts into door post holes drilled earlier. Secure bolts at top near visor at this time as well.
 14. Loosely secure dash bar with clamp to passenger side bar. Dash bar should sit approximately ½" above dash.
 15. Adjust bar up or down slightly (paying care to not scratch powder coat or paint) prior to tightening bolts. Ensure bar is level with dash (not with ground as suspension may not be level.) Once satisfied, tighten hardware. Lower the dash bar - tighter the fit. Too low and you may pinch your dash causing a bulge in the middle.
 16. Install doors to test fit clearance. Do not slam doors shut as this time as you want to verify clearance.
 17. Door post location from side to side is not consistent on all Wranglers. If your dash side plate is hitting door and not lining up with dash, the spacers included in our hardware kit can be used as needed on bottom bolts. These will shim the side plates enough to provide clearance so doors do not rub cage dash plates.
 18. Remove doors once satisfied with clearance.
 19. Cut hole in factory roll bar padding cover as shown in photo. Unzip cloth and remove foam on both sides.

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20. Install top front bar with curve going towards rear of vehicle and upward away from seats. Ensure caps are facing up, not down towards ground. Chamfer in collar and caps will cover factory weld where cage bar meets front windshield mount.
21. Place one side of bar forward through hole in cloth and install other side through hole in cloth with bar at a diagonal. This allows you to insert clamp on other side of factory cage bar.
22. Once bar is parallel with windshield, slide assembly with clamps as far forward as possible and loosely tighten hardware.



23. Remove sound bar using 10mm socket. You do not have to unplug electrical connection. You simply want to lower sound bar so you can drill through factory cage hoop.
24. Slide overhead center bars into place between sound bar sheet metal and over windshield cage bar. This forms the

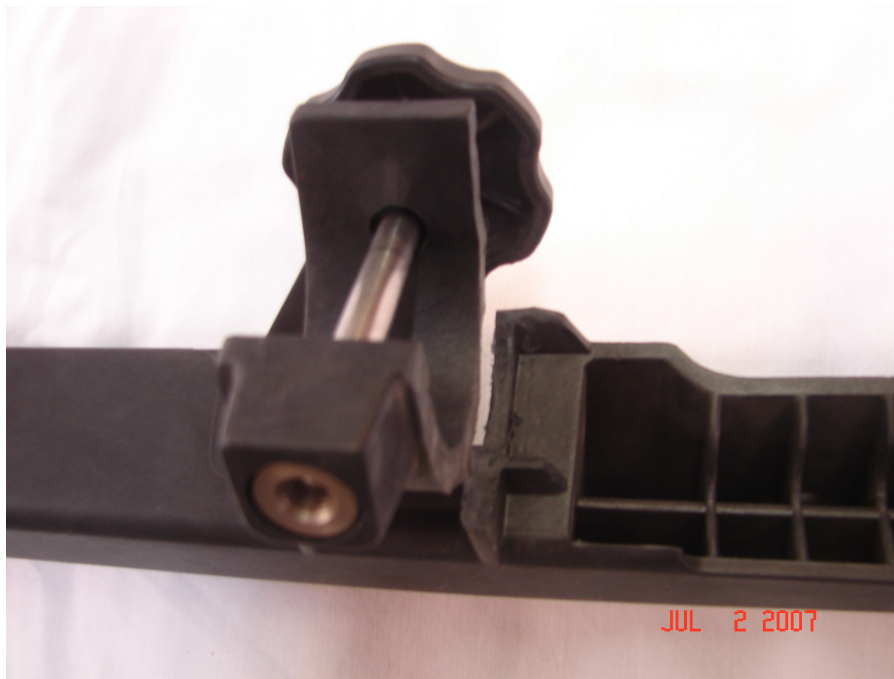
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- overhead “T section”. Ensure center bars are centered in Jeep between seats, over center console.
25. Use clamps to secure center bars with upper windshield cage bar. Snug hardware.
 26. Mark and drill holes on Rock Hard 4x4 overhead bars flat plate into sound bar sheet metal. Use two 3/8” x 2 1/2” button head bolts, flat washers, and nylock nuts. First tighten clamps at front of center bars then tighten rear sound bar hardware.
 27. Tighten all Rock Hard 4x4 cage hardware at this time.
 28. Reinstall foam (trimming where necessary) above doors and zip cloth back into place.
 29. Sound bar may sit 3/8” to 1/2” lower in the center. Use razor blade to trim the lip on inside of large diameter hole that Freedom Panel (JK t-top) large diameter hand screw threads into.
 30. If you wish to reuse upper a-pillar modling corners, trim per photos at this time. This is time consuming and may require numerous test fits.



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SOFT TOP: Trim door molding to clear clamp on both sides.



HARD TOP: Some hard tops need to be trimmed as front overhead corner clamps rub fiberglass top. This causes an improper seal and creates wind noise. The thickness of the fiberglass varies up to 1/4" due to variations in fiberglass cooling times and manufacturing facilities.

To trim fiberglass –

1. Mark top where clamp makes contact with clamp or bolt.
2. Grind fiberglass material.

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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!

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Rock Hard 4x4 Exclusive Limited Lifetime Warranty

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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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