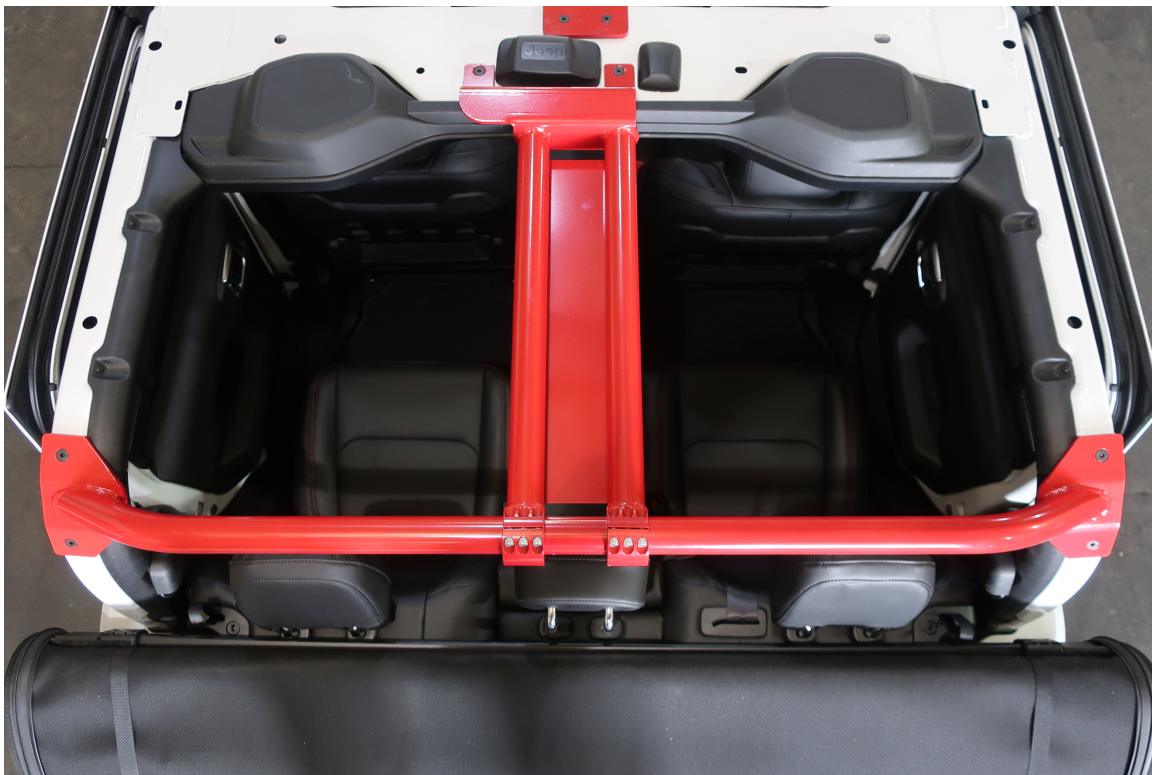




**ROCK HARD 4X4 JEEP WRANGLER JT GLADIATOR
2020-CURRENT REAR CAGE BRACE SYSTEM
PART #: RH-80700**

Installation Manual



PACKING LIST:

- 1 - REAR BAR
- 1 - OVERHEAD CENTER BARS
- 6 - 5/16" X 1-1/4" TAPERED
FLAT HEAD ALLEN BOLTS
- 6 - 5/16" NUT INSERTS
- 1 - TEMPLATE WASHER
- 1 - DRILL BIT PACK
2X 1/4" HARDENED COBALT
DRILL BITS
1X - TREE DIE GRINDER
- 1 - NUT INSERT TOOL
- 12 - 5/16 X 1" SOCKET HEAD
BOLTS
- 1 - 5/16" TAP
- 2 - 1-3/4" COLLAR CAPS WITH
HOLES

REQUIRED TOOLS:

- SLOW SPEED RPM DRILL (300 RPM
IDEAL, 500 RPM MAX)
- MARKER/SHARPIE
- DRILL BIT OIL
- DIE GRINDER
- 3/16" ALLEN
- 1/4" ALLEN
- WD-40 FOR THREAD CLEANING
- ASSISTANT TO HOLD PARTS

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.

OVERHEAD CENTER BARS ROCK HARD 4X4 DRILL GUIDE:

- DO NOT use your big box store drill bits. You are required to use our included hardened cobalt drill bits and conical die grinder bit.*
- Because drill bits are hardened, they are naturally brittle. They can and will crack or show fatigue. We do not warranty our drill bits as fatigue is in their nature. Additional drill bits are sold separately.*
- Drill very slowly. 300 RPM is ideal, 500 RPM max. If you drill too fast, you'll harden the factory cage metal and actually make it more difficult to drill.*
- DO NOT drill holes oversized from the included template washer.*
- DO NOT strip out the included nut inserts.*
- Take your time. Don't rush – enjoy the process.*

ROCK HARD 4X4 COLLAR BOLT TIPS:

- Always clean threads with supplied tap prior to ever inserting bolts. Do this during test fitting and after coating.*
- Replacement tap size: 5/16-24.*
- Always use WD-40 sprits onto each bolt before fastening.*
- Always start with top and bottom middle bolts to bring collar together evenly. Once each bolt has started, you can then begin tightening outer 4 remaining bolts.*
- Never force a bolt. If it begins to cross thread, back bolt out and clean threads with tap.*
- Caps are not designed to tighten flush with collar. There will always be a small gap that is a product of manufacturing process.*
- Take your time. Don't rush – enjoy the process.*

PLEASE NOTE: TEST FITTING IS REQUIRED PRIOR TO POWDER COATING / PAINTING. WHILE WE MAKE EVERY EFFORT TO ENSURE THE HIGHEST QUALITY PARTS ARRIVE FOR INSTALL, ROCK HARD 4X4 CANNOT BE HELD LIABLE FOR ANY COATING EXPENSES ON CAGE COMPONENTS.

1. Remove factory hard top.
2. No sound bar removal or modification is required. Have assistant hold rear center bars in place, using the plate on the center bars to square with factory cage. You can use a tape measurement from side to side to help.



3. Set straight across the rear bar up against factory cage and into welded collar halves of center bars. Install collar caps to collars at this time using tips above.
4. You can use a tape measure to square up cage. Mark 6 holes (2 at sound bar 4 for rear bar) using pen or sharpie. Remove rear cage system and set aside.

5. Using supplied template washer, center hole of washer to your 4 marked spots. Using HOLE, NOT outer diameter of template washer, color/fill in the hole. See photo:



6. Using supplied $\frac{1}{4}$ " hardened cobalt drill bit, drill hole at very slow (300RPM-500RPM) speed. Use oil to assist. Apply pressure while drilling. Drill 4 holes to $\frac{1}{4}$ ".
7. Using supplied conical/tree shaped die grinder, grind open hole to the outline drawn by template washer.
8. Test hole by inserting nut insert. Should slip in easily but not feel loose. Adjust hole as needed, DO NOT oversize hole.
9. Install 6 nut inserts using tool provided. Set cage system back in place and install rear bar and center bar using 6x $\frac{5}{16}$ " x 1- $\frac{1}{4}$ " flat head tapered allen bolts using $\frac{3}{16}$ " allen tool.