



**ROCK HARD 4X4 JEEP WRANGLER JL  
2018 - CURRENT BELLYPAN SKID SYSTEM  
PART #: 905XX  
Installation Manual**



## **PACKING LIST:**

### **BELLYPAN**

- 4 - 1/2 X 2-1/2" CARRIAGE BOLTS
- 4 - 1/2 NYLOCK NUTS
- 4 - SAE WASHERS
- 7 - 2" TAPERED WASHERS
- 1 - 1-3/8 MACHINED SPACER
- 6 - 12-1.5 X 60MM BOLTS
- 1 - 12-1.5 X 90MM BOLT
- 1 - FRONT CROSSMEMBER  
(4 HOLES)
- 1 - REAR CROSSMEMBER  
(6 HOLES)

### **OIL PAN**

- 2 - 1/2 X 2-1/2 CARRIAGE BOLT
- 4 - 1/2 X 1-1/4 BOLTS
- 6 - 1/2" NYLOCK NUTS
- 4 - 1/2" SAE WASHERS
- 2 - 2" TAPERED WASHERS
- 2 - 3/8" X 1" CARRIAGE BOLTS
- 2 - 3/8" NYLOCK NUTS
- 2 - 12 X 1.5 X 60 HEX BOLTS

### **OIL DOOR STEEL**

- 1 - SMALL TAPERED WASHER
- 1 - 1-3/8 X 1 HEX BOLT
- 1 - 1-3/8 LOCKWASHER

### **OIL DOOR ALUMINUM**

- 1 - SMALL TAPERED WASHER
- 1 - 5/16 HEX BOLT
- 1 - 5/16 LOCKWASHER

### **RESONATOR**

- 3 - 12-1.5 X 35MM HEX BOLTS
- 3 - 1/2 SAE WASHERS
- 1 - 3/8 X 1-1/4" BOLT
- 1 - 3.8" NYLOCK NUT

## **FUEL TANK**

- 3 - 3/8 X 1 HEX BOLTS
- 3 - 3/8 NYLOCK NUTS
- 3 - 12-1.5 X 35 MM BOLTS

## **REQUIRED TOOLS:**

- 3/4" WRENCH AND SOCKET
- 18MM SOCKET
- 9/16" WRENCH AND SOCKET
- 13/16" WRENCH
- 15/16" WRENCH AND SOCKET

**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.

1. Remove front and rear factory t-shaped braces, if equipped. Front brace is just behind exhaust crossover pipe and bolts to main cross member and frame rails. Rear brace installs through fuel tank and has square shaped stamped steel shield.



### **INSTALLATION - LEAVE ALL HARDWARE LOOSE**

2. Install Rock Hard 4x4 rear cross member (6 holes) with 2 factory nuts at fuel tank. DO NOT cut off factory studs at fuel tank. Cross member will install over those 2 studs, factory nuts are reused. **Tighten these nuts.**
3. Install belly pan skid plate starting at 3 center bolts with 3x machined tapered washers and 3x 12mm x 1.5 x 60 mm bolts into factory cross member. Floor jack may help.



4. Slide front cross member (4 holes) into position from front between belly pan skid and Jeep frame. At corners of skid, install forward outer right and left side bolt and passenger rear bolt with tapered washers using 3x 12mm x 1.5 x 60mm bolts into existing frame rail nuts.
5. Install right rear side bolt with 1-3/8" spacer (do not tighten) using:
  - 1 - 12mm x 1.5 x 90mm bolt
  - 1 - 1/2" x 2" carriage bolt
  - 1 - 1/2" sae washer
  - 1 - 1/2" nylock nut



6. Install 3 fuel tank brackets into nuts in undercarriage with 3x 12mm x 1.5 x 35mm bolts. Hang fuel skid to brackets with 3x 3/8 x 1 hex bolts and 3x 3/8 nylock nuts. Remove 2x frame side factory bolts. Slip front of skid between cross member and belly pan skid.



**CENTER MOUNT NEAR REAR DRIVESHAFT BOOT**



REAR CORNER NEAR FRAME RAIL



REAR CORNER NEAR DIFFERENTIAL



FRAME SIDE MOUNTS FOR FUEL SKID





7. Install resonator skid plate to frame rail and on top of cross member with 2x 12mm x 1.5 x 35mm bolts through skid into frame rail. 1x bolt to bent end of drop bracket down to skid, 1x 3/8 bolt with 3/8" nylock nut. Install 1x 1/2 x 2-1/2" carriage bolt up through belly pan skid, through cross member, through resonator skid, with 1/2" washer and 1/2" nylock nut on top side.



8. Install oil pan skid plate left/driver side drop bracket in rear hole under motor mount hole using 1x ½" x ¼" hex bolt with ½" washer and ½" nylock nut.  
DRIVER SIDE BRACKET – BENDS AROUND DRIVESHAFT  
PASSENGER SIDE BRACKET – STRAIGHTER DESIGN



9. Install oil pan skid plate right/passenger side drop bracket in rear hole under motor mount hole using 1x ½" x ¼" hex bolt with ½" washer and ½" nylock nut.



10. Raise front of skid plate to drop brackets and install on inside lip of oil pan skid plate. Secure using 1 x ½" x ¼" hex bolt with ½" washer and ½" nylock nut per side.
11. Mount rear of oil pan skid plate over belly pan skid plate (closest to ground) using 2x ½" x 2" carriage bolts through oil pan skid, through belly pan skid, through cross member, with ½" washers and nylock nuts on top side.
12. Remove front upper control arm nut on driver side frame mount. Install oil pan skid plate extension over control arm bolt and thread nut back into place. Secure extension over oil pan skid plate main body using 2x 3/8" x 1" carriage bolts, 2x ½" washers, and 2x ½" nylock nuts. Tighten control arm nut.



13. Tighten all skid plate hardware at this time.