



**ROCK HARD 4X4 JEEP WRANGLER JL 2/4-DOOR  
2018-CURRENT BILLET ALUMINUM HINGE BRACES  
PART #: RH-90345  
Installation Manual**



## **PACKING LIST:**

### **BRACES HARDWARE**

4- 10mm x 1.5 x 50

### **HI LIFT JACK MOUNT**

4- 3/8" x 1" Hex Bolt

4- 3/8" Lock Washer

4- 3/8" Flat Washer

2- 1/2" Collars

2- 1/2" x 2-1/2" Bolt

2- 1/2" Wingnut

2- 1/2" STD Nut

2- 1/2" SAE Washers

2- Brackets

## **REQUIRED TOOLS:**

T40 TORX

T55 TORX

3/4" SOCKET

9/16" SOCKET

13MM SOCKET

*TECH TIP: CLEAN TAILGATE ONCE FACTORY TIRE CARRIER AND HINGES ARE REMOVED.*

**FACTORY SPARE CARRIER REMOVAL:**

1. Remove factory camera cover (if equipped) with T40.
2. Remove spare tire with  $\frac{3}{4}$ " socket wrench.
3. Remove factory tire carrier using 13MM socket on 8 bolts.

**HINGE BRACES:**

4. *DO NOT OPEN TAILGATE DOOR.* Remove upper 2x tailgate hinge bolts with T55 Torx. *DO NOT* remove all 4 hinge bolts at same time. We are installing upper first.
5. Remove factory rubber isolators.
6. Set upper Rock Hard 4x4 hinge brace into place (cutout on bottom around tailgate vents). Install supplied 10mm bolts. Tighten.
7. Set lower Rock Hard 4x4 hinge brace into place. Install supplied 10mm bolts. Tighten.
8. Set factory tire carrier back into position over holes on upper and lower hinge braces and reinstall using 13MM socket.
9. Test door functionality.
10. Reinstall spare tire, reinstall camera cover.

## **HI-LIFT JACK MOUNT INSTALL:**

7. Insert supplied 2x ½" x 2-1/2" bolt through 2x supplied black brackets with bolt threads sticking out through bracket. Tighten into brace threaded holes using 3/8" bolts, lock washer, and flat washer. Make sure you insert long bolt into bracket first as you won't be able to do it once black Hi-Lift mounts are installed on braces.

Install ½" washer over threads up against black jack mounting bracket, tighten with ½" nuts. Install supplied collar over threads to space Jack rail away from body, tighten set screws, install Jack, and thread on wing nuts over threads to hold assembly in place.



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