

## **\*\*Please Read (Installation Notes)\*\***

### **PLEASE USE THE PROVIDED ANTI SEIZE ON ALL BOLTS**

1- Please use the provided templates as a guide to place the brackets in the correct vicinity, the passenger side bracket placement may vary minutely depending on year; the important thing to pay close attention to is that the height of the brackets in relation to one another needs to be the same on the left and right side. It would be helpful to install the Drivers side bracket first and then match the height with the passenger side bracket.

2- If you have a 2012 or newer jeep you will not need the supplied thick spacers. A quick and easy way to determine if you need the supplied spacer is: with the box bolted in to the hinges and adjusted all the way aft in the slots, temporarily hold the driver side bracket in place (with spacer) with the two bottom screws. If the box hits the latch plate; remove the spacer, it is not needed.

3-If you have a head liner or insulation installed in the hard top, it will need to be removed. The brackets will not have room with the insulation. However the headliner may be trimmed to re-install after the JKVault install is complete.

That's it; if you have any further questions or feedback , don't hesitate to give us a call.

WD Automotive

206-317-4433



## JKVault Installation Instructions

### **\*\*4 Door JKU\*\***

1-Unzip the covers from the rear diagonal portion of the roll bar, (driver and passenger side) locate the bolt near the top of the diagonal section of the roll bar (one on each side). These are the bolts you will be using to bolt the hinge assy to the roll bar.

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### **\*\* 2 Door JK\*\***

1. Unzip the covers from the drivers and passenger side roll bar rear section to the sound bar, (the zippers for the covers go all the way fwd of the sound bar, are slightly difficult to unzip but can be done without removing hardtop)
2. Temporarily remove the drivers and passenger side rear seatbelt to remove covers.
3. Remove the foam padding from the rear of the roll bar aft of the sound bar; Drivers and passenger side (the foam padding does not get reinstalled)
4. Locate the two holes (driver and passenger side) on the underside horizontal section of the rear roll bar, these are the two holes that were used to secure the foam padding.
5. At this time drill out the two holes, driver and passenger side with a 21/64's drill bit, taking care to keep the drill in line with the direction of the holes (the invisible line through the roll bar and out the other side) the roll bar requires drilling all the way through both walls;

enlarging the side with the pre stamped holes and going through the other side. **\*\*note-the aft pre stamped hole is slightly oval in shape; try to drill this hole as centered in the oval as possible\*\***

6. Now you are ready to install the pre-assembled hinge assemblies onto the roll bar, there is a driver and passenger side.
7. Using the four 5/16's bolts install the drivers and passenger side brackets to the roll bar (washer goes under the nut). Noticing the slots in the brackets: slide the brackets as far aft in vehicle as they will go: then slide 1/8" fwd and tighten.
8. Now your roll bar cover can be reinstalled over the bracket ( you will have to carefully cut a slit in the cover to slide over the bracket)
9. Re install your previously removed seat belts at this time.

**\*\*End of 2 door specific instructions\*\***

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1-Locate the provided templates for hole placement of Latch/lock plates. Templates are different per year 2007-2010 and 2011-up (templates marked as such)

2-Tape Driver side template in position at the rear of hardtop above rear window; with driver side edge in line with the driver side edge of raised portion for wiper motor harness access.

3-Tape Passenger side template in position at rear of hardtop above rear window: with passenger side edge in line with the factory diagonal seam in the fiberglass and bottom of the angled portion of the hardtop.

3-Temporarily hold driver side bracket in place over driver side template to make sure the printed holes are in line with the holes on bracket (if not, mark holes with sharpie to correct)

4-Temporarily hold Passenger side bracket in place over Passenger side template to make sure the printed holes are in line with the holes on bracket (if not, mark holes with sharpie to correct)

5-Using a 19/64's drill bit; carefully drill the 4 driver side indicated holes through the inner layer of fiberglass. Taking care not to put excessive pressure (the fiberglass drills out easily) and to keep drill bit centered over the proper location **\*\*\*for an extra measure holes may be center punched lightly for proper centering\*\***

6-Install the driver side lock/latch plate with spacer and back up plate on the inside (through the access hole) with the four 1" cap screws \*\* make sure the slotted latch plate is pushed up as high as possible, then tighten\*\* Also make sure the lock/latch plate is parallel to the bottom edge of hardtop/window opening as much as possible.

6-At this time measure the distance from the driver side bracket upper flat to the roof of the jeep, temporarily place the passenger side bracket in place and verify that both sides will be even when installed, if necessary re-align the passenger side bracket template to match the distance of the driver side before drilling.

7-Using a 19/64's drill bit, carefully drill out the 4 marked holes for the passenger bracket (inner layer only) taking care not to exert too much pressure and stopping at the inner layer. \*\*These are your pilot holes\*\* Now Using a 25/64's drill bit, carefully drill out the 4 pre drilled holes for the passenger bracket (inner layer only) taking care not to exert too much pressure and stopping at the inner layer.

8-Install the 4 provided Nut-serts using an appropriate nut-sert installation tool in the previously drilled 25/64's holes.

As an added measure but not required, install nut-serts wet with a 5 minute epoxy for added security of nut-serts\*\*

9-Assemble the passenger side latch striker plate to the lock plate bracket using four 3/4" cap screws and nuts (all the way up in the slots)  
\*\*2007-2010 requires the additionally proved back up plate as a spacer between the bracket and latch striker plate\*\*

10-Install the assembled passenger side lock/latch plate onto the hardtop using the four 3/4" cap screws; taking care to make sure the bolts spin easily. \*\*by the bolts spinning easily you can be assured that your previously drilled holes were accurate\*\* \*\*if the bolts do not spin freely, ensure they will spin freely without the bracket in place, if they do: your holes are slightly off. To correct this matter simply slightly oversize your holes in the bracket to allow for a looser tolerance using a larger drill bit.

**\*\*Four Doors\*\***

12-Remove the factory bolts on the roll bar rear near the top of the bend; one driver and one passenger.

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13-Using the previously removed bolt: install the assembled Driver Side hinge assembly onto the roll bar, taking care to ensure it is parallel with the line of the roll bar.

14- Using the previously removed bolt: install the assembled Passenger side hinge assembly onto the roll bar, taking care to ensure it is parallel with the line of the roll bar.

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This next step is easier with two people but can be done without: it's just easier

15- Place the box into the jeep with the locks to the rear \*\*on the newer jeeps this is easier due to the larger window opening, older JK's require a little more finesse. A helpful tip is to hold the box vertical like you are placing it in the jeep, slide the right side in behind the roll bar and hardtop (carefully) and then swing in the left side and move it center at the same time\*\*

16-while supporting the box install the four hinge plate to frame mounting bolts using the provided hardware\*\* taking note of the slotted holes in the frame, temporarily tighten the bolts so that the box is pushed all the way aft: bolts all the way forward in the slots\*\* Also ensure that when tightening make sure the hinge plate is even too or inline with the edge of the frame; this being crooked changes the dimensions slightly.

18- Reinstall the lock arms on the locks; lock arms point up, install one jam nut first, then lock washer, arm, second lock washer and then nut. Leave loose at this point for adjustment.

At this point the box is ready for closing and final adustments.

19-while slowly closing the box ensure minimum clearance between the locks (rotated all the way open [left]), the lock attach bracket hardware, and the lock and latch plate.

\*\*minimum clearance is critical with the JKVault to allow for proper engagement of lock lever\*\*

Ensure the locks fully rotate to the unlocked/locked position without binding.

At this point it may be necessary to adjust the hinge plates positions on the frame to allow for proper minimum clearances and smooth operation; this is accomplished by loosening the four bolts and pushing box forward just enough to allow for minimum clearance to the locks and plates to provide smooth operation. This movement should be minimal: if at all.

20-After the proper box position is obtained, the height of the lock levers will need to be adjusted, this is accomplished by loosening the jam nuts on the threaded portion of the lock and moving them higher or lower; this can be accomplished rather easily. \*\*the grip (tightness) of the locks is up to you, simply adjust the nuts until they feel like they exert enough pressure to properly secure the box and aren't too difficult to open or close.

21- Tighten the jam nuts on the locks, open and close a few times to make sure it feels right for you.

If you have any install or technical questions, simply email [customersupport@WD-Auto.com](mailto:customersupport@WD-Auto.com) or call 206-317-4433.



**Passenger** \*\*2007-2010 requires 2<sup>nd</sup> back up plate as a spacer between these two parts\*\* **Driver**



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## **Tools Required**

### **Drill**

**19/64ths drill bit**

**21/64ths drill bit**

**25/64ths drill bit**

**5/32 allen wrench or hex bit**

**11MM open end or combination open box end wrench**

**17MM open end wrench (for adjusting locks)**

**13MM wrench or socket and ratchet**

**Nut sert installation tool**

**Recommended 5 minute two part epoxy for installing nut serts wet.**