



## INSTALLATION INSTRUCTIONS FOR JK 2 & 4-DOOR, AND TJ BACKBONE

All pictures show are for JK, however, TJ installation is the same

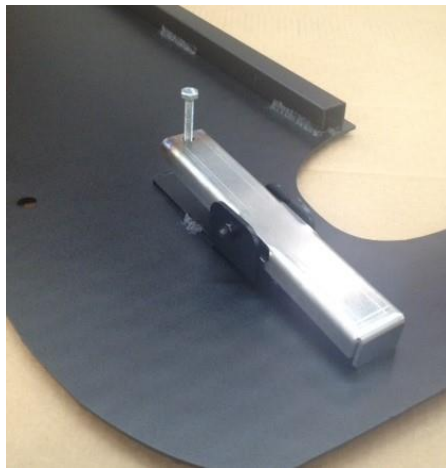
1. Using a soft surface, unpack each piece of the Backbone and lay upside down (tread plate down) so that the pieces align.
2. Unpack the gasket material, and lay each piece on the underside (non tread plate side) outer edge of the Backbone to make sure they are in the correct location. **FIGURE 1**
3. Peel off the backing and attach the two (2) curved and the two (2) 1-1/2x18x3/16" gaskets to underside of Backbone 1/8" from outer edge. The curved gaskets attach to the smaller rear section of the backbone, and the straight gaskets attach the center section that has the bend. Start at the corner by the roll bar cut out and work away from the corner.
4. Attach the junction bar seal (the gasket with the holes in it) on the vertical support bar in between the rear two sections being careful that the precut holes align. Take care to not "PULL" as you are applying or the gasket will stretch and not fit.
5. The 41" long tailgate seal will be installed after the Backbone is on the Jeep.
6. Next insert the four (4) 1-1/2" bolts into the attachment levers. Do not insert all the way, but rather twist enough to get each bolt started. **FIGURE 2**
7. Fold both rear seats down (for JK 2-doors the rear seat must be removed), and using two people, carefully place the middle section of the Backbone (the piece with the bend) on top of the Jeep frame by passing it in between the rear door and the roll bar. The roll bar cut outs should be facing the rear of the Jeep. **FIGURE 3**
8. Next take the rear section of the Backbone and place it on top of the frame spanning the tailgate. Both the back and middle sections of the Backbone should be positioned so that the roll bar cut outs are centered around the roll bars and the two pieces should be touching together. **FIGURE 4**
9. Take the 1 1/2x 20x1/2" roll bar gasket and lay it on its side and push up against the roll bar. Take a marking device, and trace a line all the way around where the top of the gasket touches the roll bar cover. This will serve as a guideline to attach the roll bar gasket seal. **FIGURE 5**

10. Carefully remove the rear section of the Backbone and set aside on a soft surface, and gently slide the middle section of the Backbone towards the front of the Jeep so that you have room to attach the roll bar gasket.
11. Peeling back the adhesive tape as you go, attach one roll bar seal, using the line as a guide, around each of the roll bar covers making sure the ends meet together. **FIGURE 6 & 7.** \*\* On 2007-2010 models there will be 2 gaskets per roll bar (4 total). Attach the longer gasket around the seat belt plastic first, making sure the ends go as far as possible in the corners. Then attach the smaller gasket around the roll bar making sure it is snug against the first gasket. **IF GASKET IS TOO LONG, CUT EXCESS WITH SCISSORS.**
12. Insert the 1" bolts into the third Backbone piece that has the speaker cutout. Only get them started, do not screw in all the way. **FIGURE 8**
13. Using two people place the third piece (with the speaker cutout) behind the rear seats so that it lines up with the middle piece of the Backbone. Carefully lift up on the side of the middle piece with the bend and then join the two pieces together. While one person is holding the third piece in place, have a second person hand tighten the 1" bolts to secure the two pieces together.  
**FIGURE 9**
14. With one person on each side, carefully slide the middle section towards the back of the Jeep so that it fits snugly around the roll bars. Use a flat head screwdriver or other flat object to press in on the gasket while you are moving into position around the roll bars to prevent the metal from tearing the gasket.
15. In the same manner take the rear section of the Backbone and from the rear of the Jeep, slide around the roll bars so that the two halves touch. Take care to utilize the fat head or other flat object in the same way to prevent tearing.
16. From the underside, use the remaining nuts and bolts to attach the two halves together through the support tubes and tighten.
17. Slide each of the four (4) levers under the lip on the frame of the Jeep and slide back so the lever catches. Tighten the 1 ½" bolts on each of the levers until the Backbone is securely clamped down against the frame of the Jeep. **DO NOT OVERTIGHTEN LEVERS**
18. Take the 41" tailgate seal and attach to the tailgate bar just inside the tailgate. Start the seal so that it touches the side of the opening. There will be about 1" of overhang on each side of the tailgate bar. **FIGURE 10**

19. Install the four (4) grommet seals in the holes on top of the Backbone if you will not be using the Cargo Carrier.



**FIGURE 1**



**FIGURE 2**



**FIGURE 3**



**FIGURE 4**



**FIGURE 5**



**FIGURE 6**



**FIGURE 7**



**FIGURE 8**



**FIGURE 9**



**FIGURE 10**



**FINISHED !!!!!**