

DOMINION OFFROAD

JEEP JK TAILGATE

HOLDER KIT

(626)TRAILS1 OR (626) 872-4571

BILL OF MATERIALS AND INSTALLATION INSTRUCTIONS

Notes: Installation time .5 to 1.5 hours. Please check and verify that all of the following components are included in your Tailgate Shock Kit: If any parts are missing, please notify us immediately.

- | | |
|---------------------------------------|----------------------------------------------------------------|
| (1) 3 Hole Ball Stud Bracket | (2) Threaded Inserts |
| (1) 7 Hole Ball Stud Bracket | (2) 10-32 X .5" Phillips Machine Screws |
| (1) Aluminum Tailgate Support bracket | (2) .25-24 X 1" Hex Head Cap Screws |
| (4) 10-32 Flange Nuts (one spare) | (3) 10-32 X .75" Phillips Machine Screws |
| (1) Gas Spring | (1) Threaded Insert Install Tool |
| | (2" Cap Screw, $\frac{1}{4}$ " Washer and $\frac{1}{4}$ " Nut) |

Required Tools and Materials:

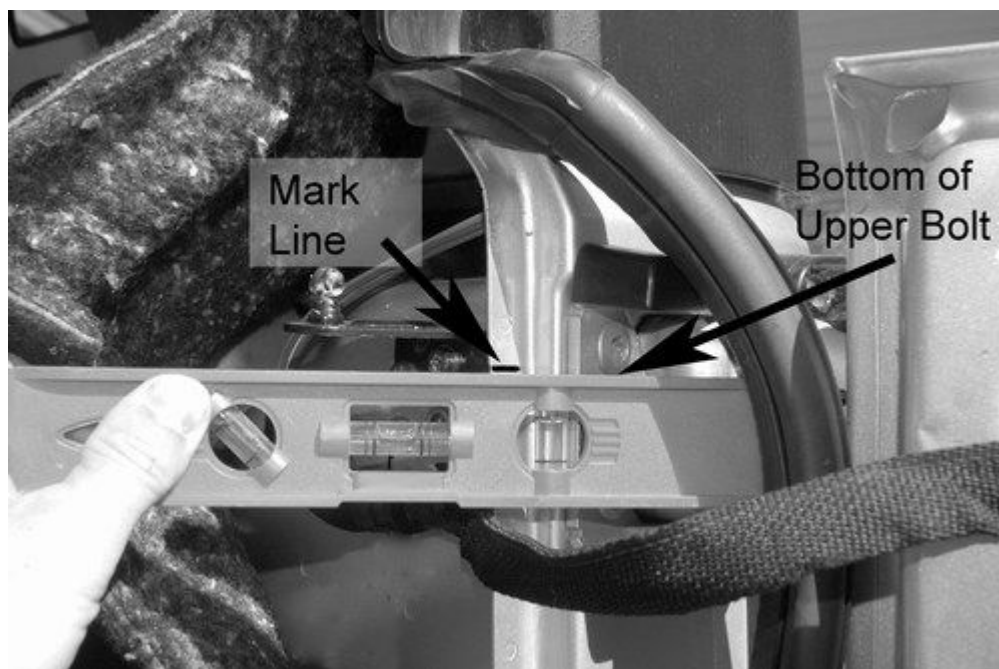
- | | |
|------------------------------------------------------------|-----------------------------------|
| 3/16" Drill bit | 25/64" Drill Bit (3/8" will work) |
| Center Punch and Small Hammer | Countersink Bit |
| Level (Torpedo Level works best) | Drill Motor |
| Felt Tip Pen or other marker (small or medium tip is best) | Razor Knife |
| Primer to protect drilled metal surfaces | Small Pliers |
| 8mm or 5/16" Closed End Wrench | Phillips Head Screw Driver |
| Vice Grips / Locking Pliers | 7/16" Closed End Wrench |



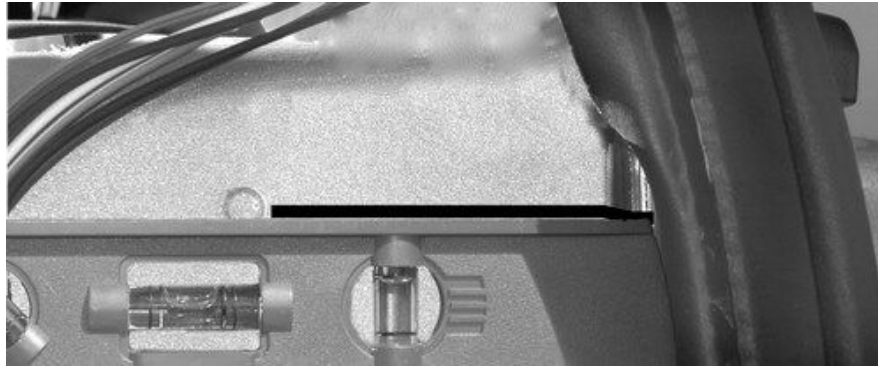
1. Pull back carpet and rubber tailgate seal as indicated in picture:



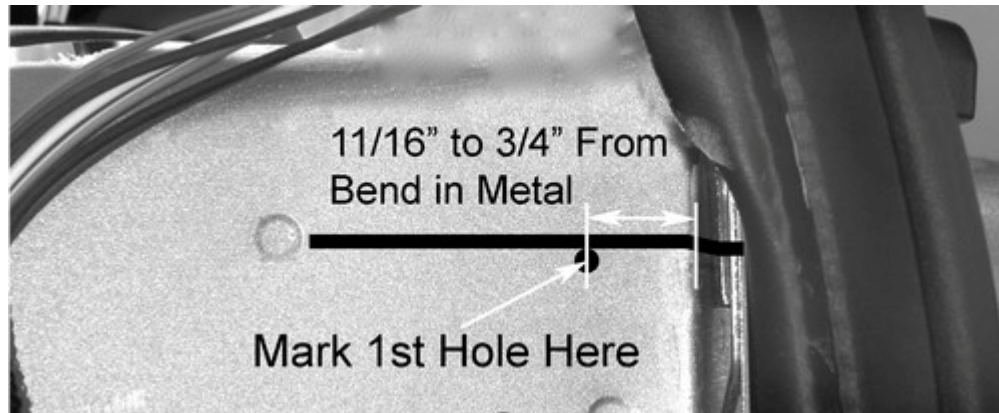
2. Using a level. On the upper tailgate bracket, measure from the bottom of the upper bolt, and mark a line as indicated in picture:



3. Using a level. From line marked in previous step, measure and mark a line as indicated in the picture:



4. BELOW the new line, mark a small circle 11/16" forward of the bend in the body panel, that supports the rubber tailgate seal. DO NOT center punch or drill at this time.

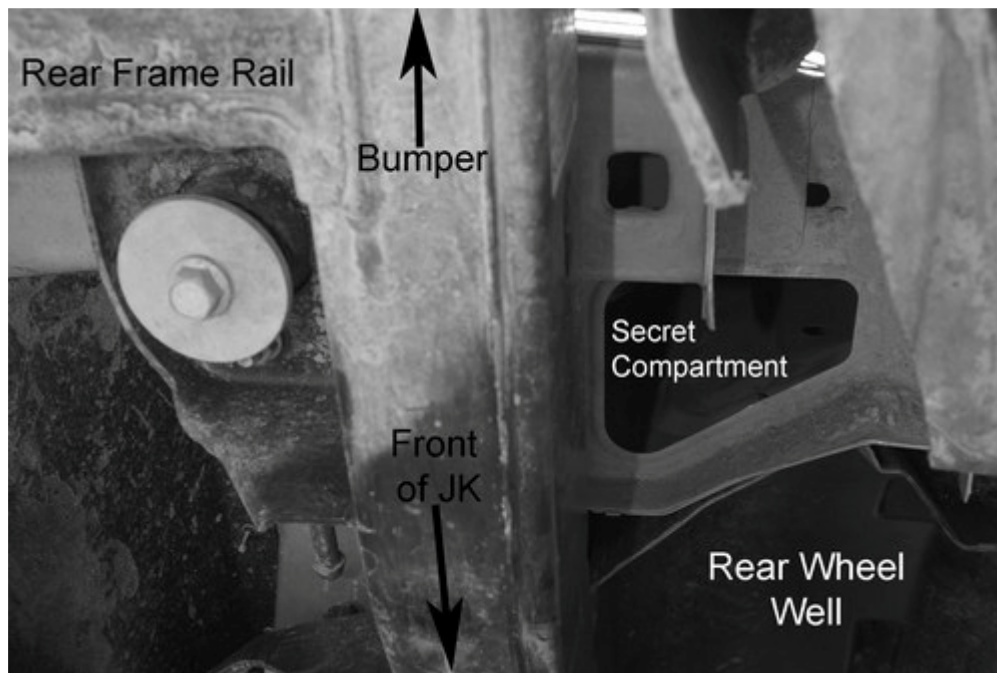


4. Re-install the rubber tailgate seal and close the tailgate. Place the interior ball joint bracket so the rear hole is over the small circle mark from step 3, in order to verify that there is a 1/8" - 1/4" gap between the closed tailgate and the bracket.



6. Once clearance is checked, center punch and drill a 3/16" hole.

7. Access to the inside of the previously drilled panel is limited. The best access is from underneath the Jeep. The area behind this panel is known as the secret compartment. At the bottom of the secret compartment is a foam pad. From underneath the Jeep, push the foam up into the secret compartment. Additional access can be made by removing the tail light with a Phillips head screw driver.



8. Install a .75" long machine screw, using a flange nut, on the secret compartment side

9. Using a 3/16" drill bit. With the bracket level and using the bracket as a template Center Punch and Drill the forward most hole.

10. With a install a .75" long machine screw, using a flange nut, on the secret compartment side

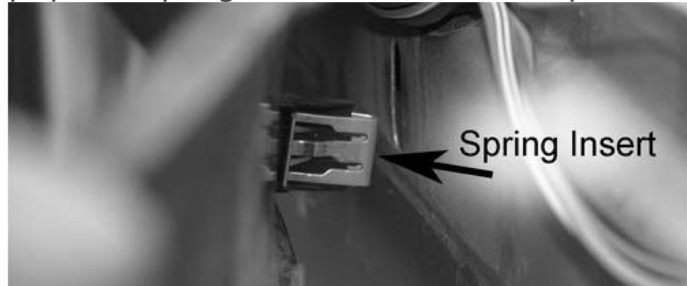
11. Using a 3/16" drill bit and using the bracket as a template drill the center hole and install a .75" machine screw and flange nut

Option: remove the interior ball stud bracket and treat all exposed metal with primer. If you have a spray can, you can spray the end of a Q-Tip and use the Q-Tip as a brush. Re-install the ball stud bracket

12. Using a razor knife, cut a slot in the carpet to allow the ball stud bracket to go through

the carpet. Re-install carpet and rubber tailgate seal. This completes the installation of the interior ball stud bracket.

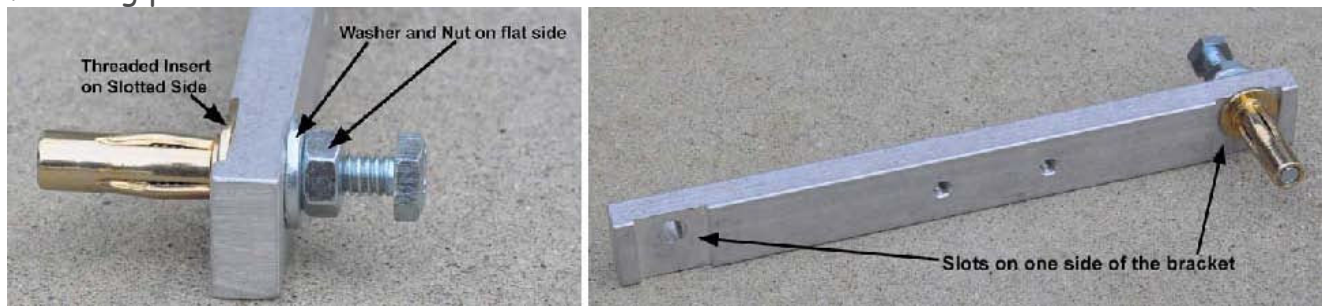
13. Being careful to not damage the upper tabs, reach under the plastic tailgate cover and pull out. There are four evenly spaced spring inserts that hold the plastic cover in place.



14. Carefully cut then remove the two center wire clips.



15. With the threaded inserts on the slotted side of the aluminum bracket, assemble the install tool (2"X.25" Cap Screw, .25" Nut and Washer) and one threaded insert as indicated in the following pictures:



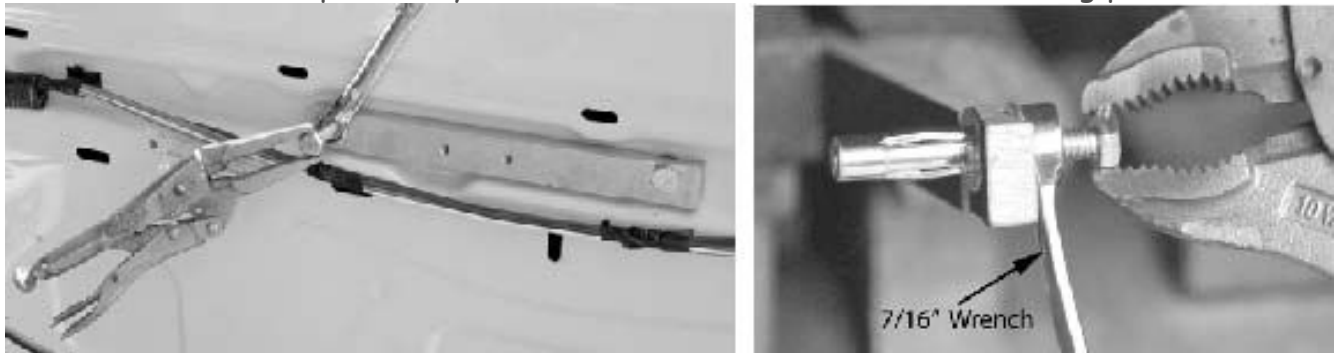
16. Countersink then drill two 25/64" holes, in the locations indicated in the following picture.

(previously used factory "wire clip" holes)(A 3/8" bit will work with a little reaming)

Advisory: The proper method to drill holes in sheet metal -Use a COUNTERSINK to enlarge the pilot holes. -Slowly drill the 25/64" final hole running the drill at low RPM.



17. With the slotted side of the aluminum bracket against the tailgate, insert both threaded inserts, into the two previously drilled holes, as indicated in the following picture:



18. With a 7/16" closed end wrench and a pair of locking pliers, turn the .25" NUT clockwise to seat the threaded insert. The nut will need to be turned approximately 9 full revolutions and pressure on the wrench will become firm, when the threaded insert is properly seated. **Advisory: A closed end wrench works best**

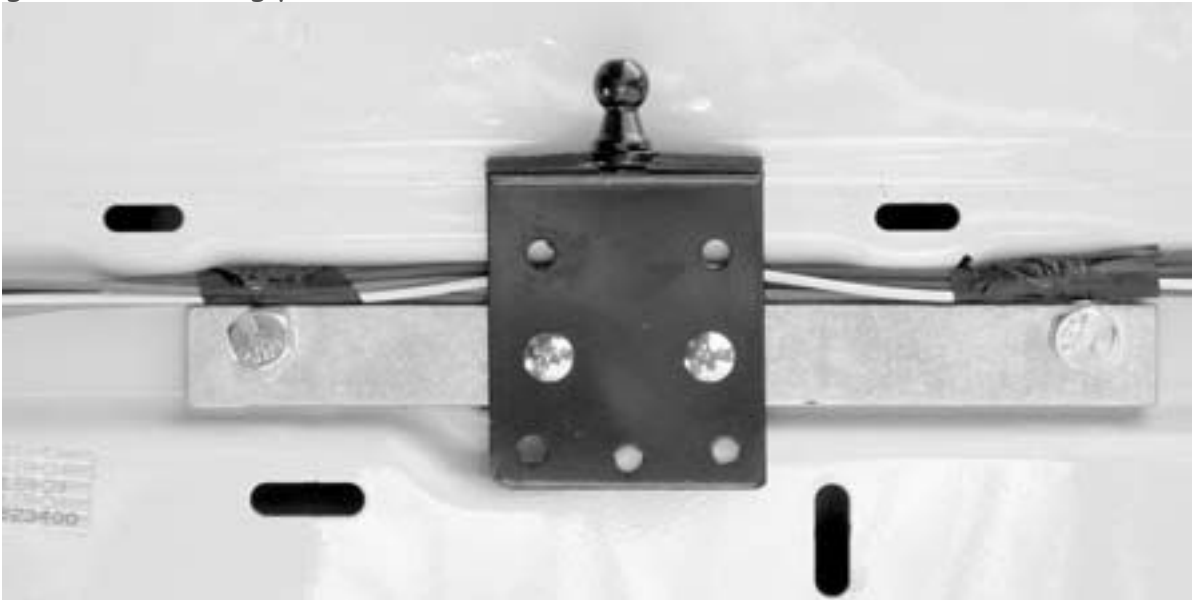
19. Remove the installation tool and aluminum bracket.

20. Fasten the installation tool and threaded insert to the other .25" hole on the aluminum bracket.

21. Using the previously installed threaded insert, refasten the aluminum bracket with one of the 1" cap screws.

22. Install the second threaded insert, according to the technique describe in step 19.

23. Using the two .5" long machine screws, install the ball stud bracket, routing the wires according to the following picture:



24. Align the plastic cover on the tailgate and mark both sides for the cutout around the ball stud bracket.

25. Using a razor knife, cut a 1/8" notch to allow exit of the ball stud bracket.

26. Replace the plastic cover and install the tailgate shock with the rod forward.



27. Close then open your tailgate and admire a job well done.

Always hand-hold your tailgate to open. This reduces unnecessary stress on the tailgate hinges.

The tailgate shock must not work as the door stop. The factory door stops are much stronger

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