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95691 JK Jeep Wrangler HoodLift® Kit

INSTALLATION INSTRUCTIONS

Fits '07-'17 Jeep Wrangler JK



Figure 1



Figure 2

Congratulations on your purchase of a genuine HoodLift® made by the company who invented the Jeep aftermarket HoodLift® in the mid-1990's. It is made from the finest components available and should give you years of trouble-free service. Some drilling is required. **Please read the entire instructions through once and then get started.** Note, some of the photos for these instructions were taken on a different vehicle as we improved the bracketry.

Tools needed	Supplied Parts
Drill motor. Preferably a cordless drill.	(2) Gas springs (they look like shocks)
5/16" nut driver for the drill motor	(2) Upper Ball Stud Clips with ball stud
5/16" socket wrench and driver, 1/4" drive recommended	(2) Ball Stud Lower Clips
10mm wrench, either socket or end wrench	(2) Ball studs
Masking tape	(2) Nylock nuts for the ball studs
	(6) Star Lock Washers
	(1) Drill bit
	(6) Sheet metal screws

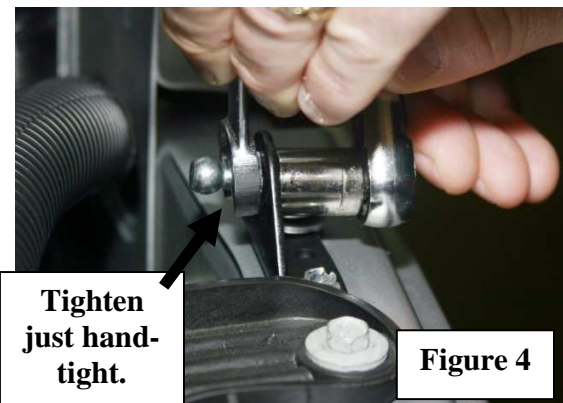


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1. Lift the hood and place it on the factory prop rod. Remove the rearmost 10mm bolt on each fender and install one of the ball stud brackets on the fender reusing the 10mm bolt. The vertical part of the bracket should be facing inward and the bolt should be through the rear hole. (See Figure 3) Then drill a hole in the fender through the front hole of the bracket using the supplied drill bit. Place a star lock washer on one of the sheet metal screws and drive it into the hole, securing the lower ball stud bracket to the Jeep. If you use an electric drill and a nut driver, set it on a low speed and go slowly to almost snug, then hand-tighten with a 5/16" socket and ratchet. Be careful to not break the head off the screw. If it's screwing in too tightly, ream the hole out slightly with the drill.



2. Next, install a ball stud facing inwards on the ball stud bracket using 1/2" wrenches and the supplied Nylock nut. Just tighten "wrist tight" to avoid breaking the ball stud. The Nylock nut will stay tight. Snap the small end of a gas spring onto the lower ball stud bracket you just installed. **Don't snap it onto the upper one just yet.**



3. Now take one of the brackets with a ball stud pressed on and position it per the photo (figure 5), but just use the gas spring as a length gauge by lightly setting it against the ball stud **with the ball stud facing inward**. With the hood on the prop rod and the gas spring lined up with the ball stud, the bracket end should land about 2 inches away from the edge of the hood about 1/8 inch down from the hood's insulation clip. (See figure 5 and figure 7) **The ball stud should face inward. The position of this ball stud clip establishes how far your hood opens when you are finished. It should open approximately the same height as it did when the prop rod was holding it open. Don't try to vary the position more than 1/2" since this may prevent the gas spring from collapsing all the way.**



4. Wrap some masking tape around your drill bit per the photo so it will only go approx. 1/4" into the metal. This is to prevent you from drilling the hood from the inside. Make sure the tape is wrapped tight and that it goes all the way to where the bit is clamped into the drill motor so the tape won't slip.



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I recommend using a bit more tape than the photo shows in Figure 6. Some folks use a couple of sockets as a drill-stop.

Masking tape on drill bit. Figure 6



5. Using the clip as a reference point, mark and drill two holes with the tape-wrapped drill for the two sheet metal screws. (See Figure 5)

6. Put one of the star lock washers on a sheet metal screw and drive it into the hole you just drilled using your drill and a 5/16" nut driver. You can also just use a 5/16" socket wrench, however it is easier with a drill. If you use a corded electric drill, be extremely careful to set it on a very slow speed and go only to *almost* snug or you will strip the screw. We recommend using a battery powered drill with the clutch set on a light setting. Finish tightening the screw with a socket and ratchet only to hand-tight. (See figure 7) Proceed carefully and don't strip the threads. Then drill the other hole and install that lock washer and screw.

7. Repeat steps 1-6 for the other side.

8. Now, **remove the prop rod** and hold up the hood with your hand. *Then* snap the gas springs onto the Ball Stud Brackets, carefully not letting go of the hood until both are snapped on. If you snap the gas springs on before taking the manual hood prop off, you may have a hard time removing it without slicing the insulation (if yours has it). Your hood will remain up. **Now, check for tools or anything else you may have inadvertently left in the engine compartment.** Then you can lower it and lift it up and let it go. Go ahead, do it a few times and see how it works for you. It should rise from the neutral point about a foot from closed and come to a smooth, dampened stop. If it doesn't have that dampened stop, you may have installed your gas springs upside down. (See figure 2) The large part of the gas spring should be up. Upside-down gas springs also have a shorter life than properly installed ones.

Upper bracket near insulation clip. It will be in a little farther than this photo shows.

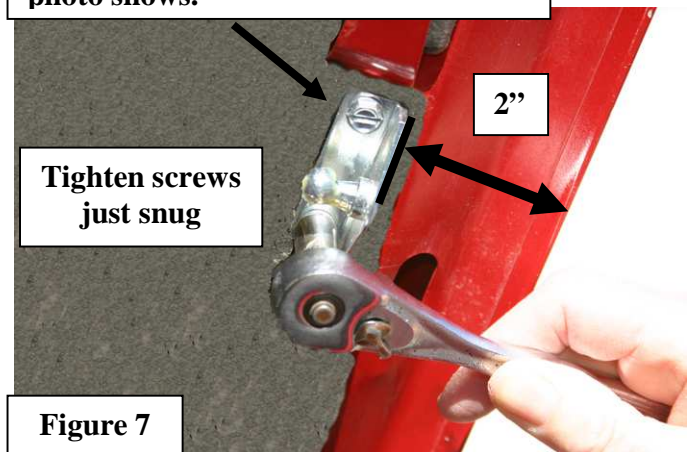


Figure 7



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If you ever have to remove a gas spring, slip a small screwdriver under the small semi-circular clip near the end and lift it up to release it from the ball stud it is capturing. To replace a gas spring, just snap it on the ball stud.

Now that you have a HoodLift®, take a look at the HoodLift TailGate Prop. It holds the tailgate open instead of it hitting you in the backside when you least expect it. The sloped mounting system allows the tail gate to glide open with a dampened stop from the oil inside the gas spring lubricating the seal. We have improved our custom-made gas spring with metal ends and use all, custom-made heavy-duty, black powdercoated brackets. Lifetime warranty!



If you need further assistance installing your product, please contact us by email at techsupport@warriorproducts.com or call us at: (888) 220-6861.

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