

SkyJacker Black MAX Rear Shock Absorber for Stock Height - Installation Guide

Installation Time: 60 Minutes

Tools Required:

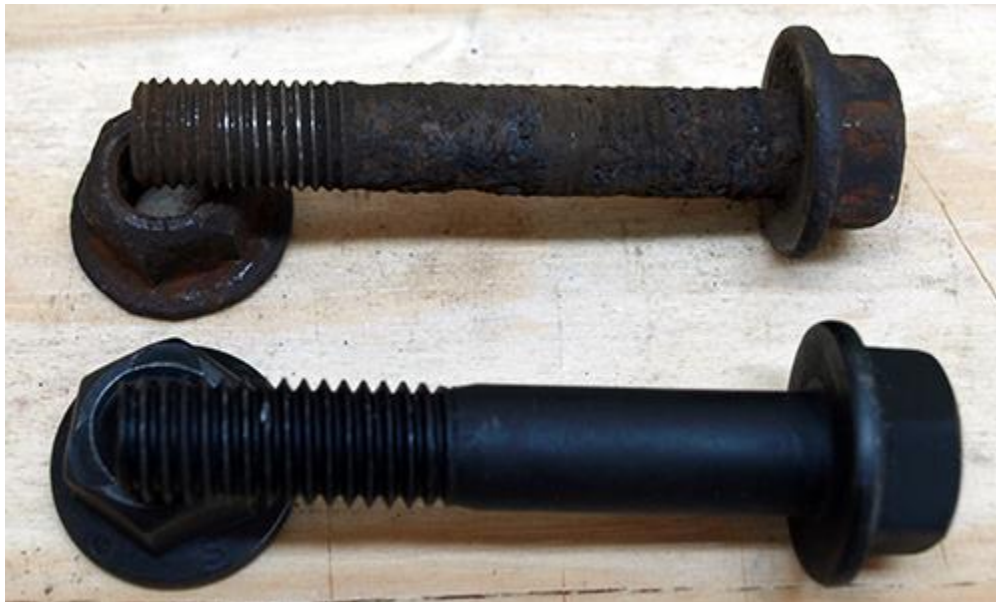
- ✓ Safety Glasses
- ✓ Breaker Bar with 3" extension and 3/4 socket
- ✓ Socket Wrench with 16mm, 18mm socket and 6" extension
- ✓ Torque Wrench
- ✓ Hammer
- ✓ Wheel chocks
- ✓ Floor Jack and Jack Stands (A 2-1/2 Ton Floor Jack with 3 Ton Jack Stands were used for this install.)
- ✓ Grease, Vaseline or other lubricant (Used for new shock bushing assembly.)
- ✓ PB Blaster or other rust penetrating spray (Optional)

There is a total of 1 SkyJacker Black MAX Shock with hardware included in the box. You will need two total SkyJacker Black MAX Front Shock Absorbers for both sides.

Installation Notes: *Completely read through the installation instructions before starting your install.*

You may need to spray a lubricant on the factory bolts holding the current shocks as they maybe rusted. The bolts may need to be sprayed multiple times based on how rusted they are. Recommended to spray the bolts a few days before starting your install. Also, you can replace the rear shocks without having to remove the rear tires.

Important Note: *Inspect all bolts and replace any that are damaged or heavily rusted.*



Before Install



Installation Instructions:

1. Place wheel chucks in front of the front tires to prevent the Jeep® from moving. If removing the rear tires. Break the lug nuts free using a Breaker bar or a socket wrench with a 3" extension and 3/4 socket while the Jeep® is still on the ground.



2. Place the floor jack on the bottom of the front differential and lift the Jeep®. Place jack stands under the rear axle to secure the Jeep® in place and remove the tire



3. Break free the bottom shock bolt using a socket wrench with a 18mm socket and a 18mm wrench. If the bolt does not slide out you will need to use a hammer to hit the side with the nut. Move the nut to the edge of the bolt making it flush with the bolt end and then hit the bolt until it breaks free.



4. Loosen both top 16mm bolts securing the factory shock bar pin using a stock wrench with 16mm socket and a 6" extension. Only completely remove the of 16mm bolts. This will help hold the new shock absorber when securing it.



5. Layout all the hardware parts for your new SkyJacker Black MAX Shock Absorber. *Note:* You will need both rubber bushings, one metal collar and one bar pin.



6. Place grease, Vaseline or other lubricant within the mount hole of the shock, and on the black rubber bushing. **NOTE:** You do not need to use a lot of lubricant.



7. Slide the rubber bushing through the mount hole on the shock. Lightly lubricate the inner hole of the rubber bushing. Its recommended to place the bushing on the side of the shock piston as it will be much easier to place the shock boot over this end then the bar pin end.



8. Slide the metal collar through the rubber bushing.



9. Pull the piston out of the shock absorber as shown in the image below.



10. Place the piston through the supplied black rubber shock boot cover and secure with the supplied zip tie. Cut the excess of the zip tie.



Note that an aftermarket green shock boot was used to complete this install.



Important Note: *There are different ways to insert a rubber bushing and bar pin into a shock absorber. The instructions below will demonstrate how the bar pin was installed for this installation guide. ** Contact a mechanic for assistance if you do not feel comfortable with this step. ***

11. Place grease, Vaseline or other lubricant within the mount hole of the shock on the opposite end, and on the black rubber bushing and on the bar pin. NOTE: You do not need to use a lot of lubricate. Slide a bar pin only a quarter of the way into the rubber bushing as shown below.



12. Place the rubber bushing end into the shock mount with the bar pin. Using two 2x4 blocks of wood. Place one of the blocks on the side of the shock making it flush with the shock hole mount. Then place the other block of wood on the side of the bar pin. Secure the bottoms of the 2x4 blocks of wood with a clamp and then place another clamp 2 to 3 inches above as shown below.



Place the other end of the shock absorber firmly against another solid object so the shock will not move. Slowly compress the clamps evenly until you start to see the rubber bushing slide into the shock mounting hole.



You may need to place the shock into a vise to completely slide the bar pin through the rubber bushing. Note that bar pin opened end that is being pushed through may cut through the rubber bushing. This cut will close firmly once the bar pin has been pushed into position.



The bar pin should look like the image below when finished.



13. Slide the bar pin onto the loosened 16mm bolt that was left during step 4. Screw in the second bolt and torque both bolts to 37-foot pounds.



14. Place the other end of the shock into the bottom Jeep® shock mount and slide the factory 18mm bolt and secure with factory nut. Torque bottom nut/bolt to 56-foot pounds.



Important Note: If you removed the tries from the Jeep®. You will need to torque the lug nuts down to factory spec of 95-foot pounds per the factory manual.

After Install



Installation Instructions Written by ExtremeTerrain Customer Brian Voelzke 09/01/2018