

Tools you'll need to install this kit

Set of sockets and wrenches
White Lithium grease
Floor Jack
Tall jack stands

2 large C-clamps
Welder
Vice-Grips
Angle grinder/Large Sander

Getting Started

These instructions assume a certain level of skill on the installers part. Since these are for a serious off-roader we assume you have installed leaf springs, know how to weld and have several tools. If you have any questions please email us or call and we'll do our best to help you through the install.

1. Jack up the rear of the truck enough so that you can let the axle hang on the springs without touching the ground and place it on jack stands. Make sure the truck is very stable. It will be very high in the air at this point. Remove the rear tires. Keep the jack under the rear axle with just enough support to keep the axle from falling when you remove the leaf springs
2. Measure the BC Broncos Spring rockers. The 4 top bolts should be 2.42" apart where the leaf springs have to sit between them. Dodge springs are 2.52" wide. If your spring rockers are 2.42" you will have to shave off .050" off each side of your leaf springs to make them fit. This can be done safely if done properly.
3. Start with one side at a time. Remove the lower shock mounts, U-bolts and spring eye bolts/rear shackle bolts on one side. Remove the leaf spring from the truck.
4. Place the spring rockers next to your leaf spring. You will need approximately 1" of bolt remaining above the spring pack to make the spring rocker fit. If you have less you might need to remove the overload leaf from the pack. Unless you carry heavy load often this is not a big deal. If you do, why are you installing Spring Rockers? These are designed for serious off-road use. A work truck is not a good candidate for them.
5. Take 2 large C-clamps and clamp the leaf spring about 4" to each side of the center pin bolt. This will keep the springs from "Popping" open as you remove the center pin bolt. Attach large Vice-Grips to the smooth side of the bolt and turn the nut on the other end with a wrench. Remove the center pin bolt and slowly loosen the C-clamps.
6. You will now have to grind the rounded edge off the sides of your springs. It is easiest to do this one at a time and you would have to take the pack apart anyways to clean it after grinding. An angle grinder works best but don't get too crazy with it. You want long transitions to your grinds. Blend them out 15" or so on each side of the center pin hole. Use the spring rockers as a guide. When the bolts can stand straight up you have removed enough material. Move on to the next leaf in the pack and make sure they are all being ground evenly. Not too much off one side or the other.
7. When all leaves in one pack are fitted you can clean them up with any type of cleaner you wish. Soap and water with a final rinse of brake cleaner works well. Paint the leaves separately and let them dry for several hours.
8. Once dry apply a coat of white lithium grease where they will come on contact with each other. Wear patterns on the leaves will show you where to grease. Place the center pin in the bottom leaf and stack the other leaves on it in the order and direction they are to be reassembled. You will then need to place the loose stack on top of the main leaf and clamp it back down with the C-clamps. This can get tricky you will need to keep it all perfectly aligned so that the center pin can move freely. Tighten the center pin to about 25 ft-lb.
9. Drill the upper end of the Summit rear shackles to 5/8" and place the shackles on the springs with the new 5/8" I.D. sleeve installed in the lower bushing and set aside.
10. Install the spring rocker on this side of the truck per BC Broncos instructions. Grease it now.
11. Reinstall the leaf spring now. This can be a little tricky and two people can make it easier. Install the new top spring plate and tighten down the 4 bolts on the spring rockers.

Repeat on the other side and check your pinion angle. You may need to install degree shims under the springs to get it back in alignment. Do this before you install the shock mounts.

Shock mount installation

1. Sand or grind the axle tube next to the U-Bolts. Prep the shock mounts by removing any paint on them in the areas to be welded.
2. Weld the mounts to the lower rear portion of the axle tube so they are parallel to the ground. Try not to over heat the mounts or axle tube.

3. Clean and paint your welds then install the shocks. They are pre-lubed and ready to run.