

## FREEDOM OFFROAD USA INSTALLATION INSTRUCTIONS

### FO-J30330

Installation of parts without proper knowledge and/or tools can affect the integrity and safety of any vehicle, and Freedom Off-Road will not be held accountable for improperly installed parts and/or vehicle damage. Any time you lift a vehicle you are raising the center of gravity which will increase the chances of a rollover. We do not recommend the mixing of various brands of lift components.

**IMPORTANT NOTE:** Vehicle's draglink must be adjusted to the center steering wheel **BEFORE** the vehicle is driven. Failure to do so **WILL** cause a ECU error code in the Jeep's TCS (traction control system).

#### Kit Contents

2-Front Coil Spacers  
2-Rear Coil Spacers  
2-Front Shock Extenders  
2-Rear Shock Extenders  
4-Brake Line Relocation Brackets  
1-Bag of Hardware

#### Tools Required

10mm Wrench & Socket  
14mm Wrench & Socket  
16mm Wrench & Socket  
18mm Wrench & Socket  
19mm Socket  
Jack & Jack Stands

#### Torque Specs

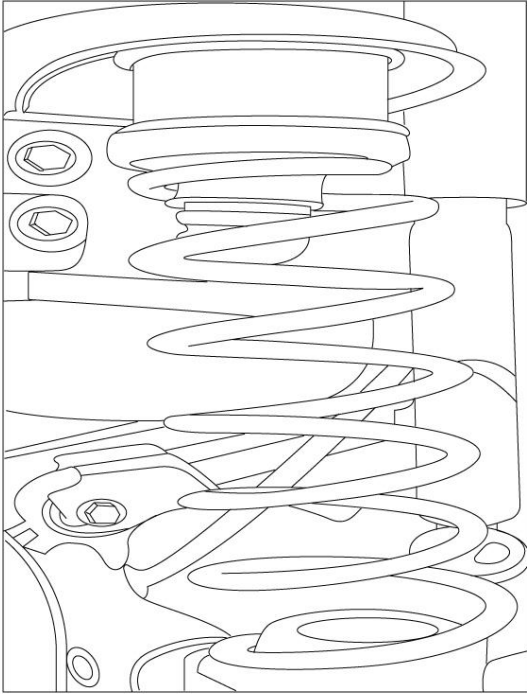
Front Lower Shock Bolts: 58 ft/lbs Rear  
Upper Shock Bolts: 20 ft/lbs  
Sway Bar End Links: 75 ft/lbs  
Brake Line Brackets: 16 ft/lbs  
Rear Spacer Retaining Hardware: 98 ft/lbs  
Wheel Lug Nuts: 132 ft/lbs

### FRONT INSTALLATION INSTRUCTIONS

1. Chock rear tires and jack up the front of the vehicle and safely support the front end with jack stands so that the front wheels are off the ground.
2. Remove both front wheels with the 19mm socket
3. Using the jack support the front axle then using the 18mm socket and wrench remove the sway bar bolts, saving hardware for later
4. Remove the lower shock bolt using the 18mm socket and wrench
5. Locate the brake line support on the frame and remove, saving hardware for later
6. Slowly lower the jack supporting the axle until there is enough room to remove the coil springs.
7. Bolt the new spacer, bump stop, and spring isolator to the upper spring mount
8. Take the OEM spring and reinstall and be sure it is turned all the way to the spring stop as in photo below:

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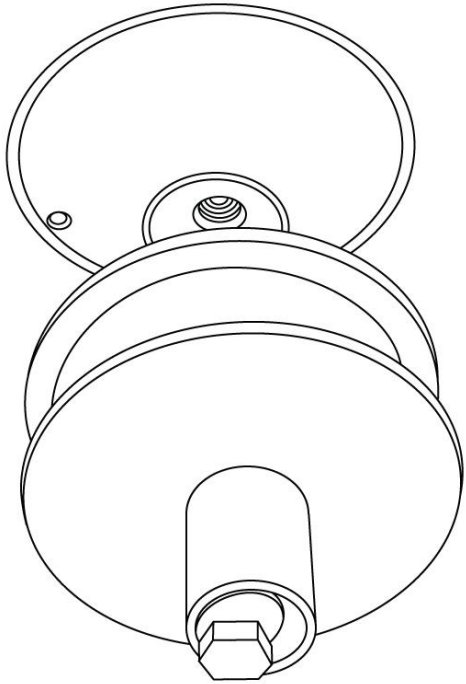
9. Using the shock relocation bracket provided in the kit install the shock reusing the factory hardware and the provided ½ x 3in bolt, nut, and washer.
10. Install the brake line relocation brackets using the OEM hardware and the new 1/4in x 1in bolt w/ nut.
11. Reinstall wheels and lug nuts
12. Remove jack stands and set vehicle back on the ground. Reconnect sway bar using OEM hardware. Sway bar can only be connected while vehicle's suspension is on the ground fully loaded. Make sure to go through all hardware and torque to specs listed on page 1.

### REAR INSTALLATION INSTRUCTIONS

1. Chock front tires and jack up the rear of the vehicle and safely support the rear end with jack stands so that the rear wheels are off the ground.
2. Remove both rear wheels with the 19mm socket
3. Using the jack support the rear axle.
4. Remove the upper shock bolts using the 16mm socket
5. Using the 18mm socket and wrench remove the sway bar bolts, saving hardware for later
6. Remove brake line support from the frame and save OEM hardware for later
7. Slowly lower the jack until the coil springs can be removed. **PAY CLOSE ATTENTION NOT TO OVER EXTEND THE ABS BRAKE LINE.**
8. Install the coil spacer with retainer nut and 1/2in x 2 3/4in bolt with flat washer then the lock washer and tighten bolts as seen below:

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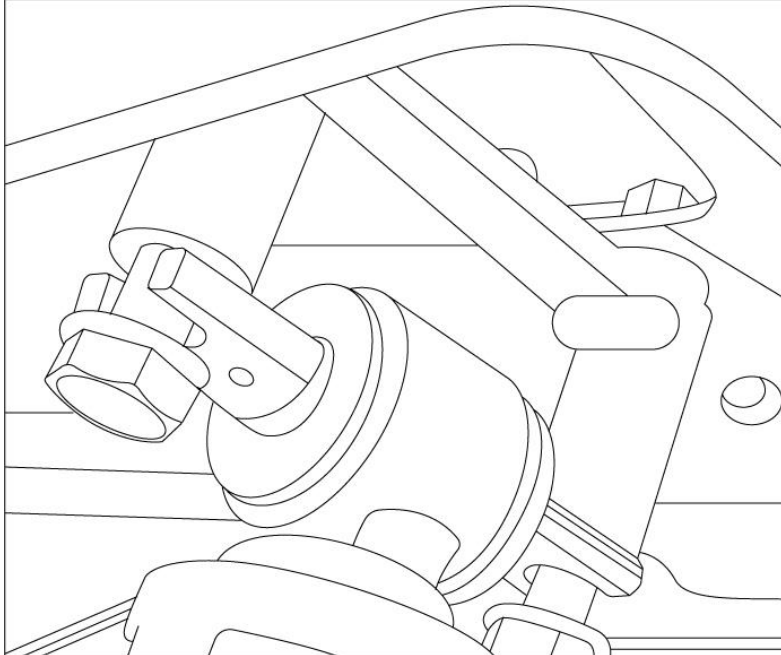
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9. Install the factory isolator and coil spring, it helps to use the jack to raise the axle slightly so the coil spring sits in its spot and doesn't fall out of place

10. Reinstall lower sway bar endlinks with the OEM hardware and tighten

11. Install the shock extenders as seen below using the 10mm x 80mm bolts and washers and tighten



12. Install the brake line relocation brackets using the OEM hardware and the new 1/4in x 1in bolt w/ nut

13. Reinstall wheels and lug nuts and set the vehicle back on the ground

14. Check all nuts and bolts, both front and rear, including lug nuts, for proper torque specs listed on page 1. **BE SURE TO TEST THE BRAKES ARE FUNCTIONING PROPERLY PRIOR TO TAKING ON PUBLIC ROADS OR BRING THE**

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**VEHICLE UP TO ANY HIGHER SPEEDS!!** Once everything is confirmed to be properly installed get the vehicle professionally aligned.

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