

# IRON ROCK OFF ROAD

WJ Upper Coil Spring Retainer  
Installation Instructions

1-877-919-JEEP www.ironrockoffroad.com

## Parts Checklist:

### \*BOX 1\* 6x6x6

- ☐ Instructions
- ☐ Invoice
- ☐ Iron Rock Off Road Decal (1)
- ☐ WJ upper coil spring retainer (2)

### Hardware kit 83 (FRONT coil spring retainers)

- ☐ 1/2" – 20 x 5" socket head cap screw (2)

### Hardware kit 23 (REAR coil spring retainers)

- ☐ 7/16"-14 x 5" socket head cap screw (2)



## Installation Instructions:

### Before you begin:

- ☐ Ensure that all parts are present and in good condition using the included shipping checklist.
- ☐ Read and understand installation instructions.
- ☐ Contact Iron Rock Off Road with any questions before, during, or after installation.  
Be sure you have the following tools and supplies:
  - ☐ Floor jack and jack stands
  - ☐ Basic hand tools
  - ☐ A coil spring compressor makes installation easier but is not required.
  - ☐ For front upper coil spring retainers only: 1/2 -20 Fine thread hand tap with tap handle
  - ☐ For rear upper coil spring retainers only: 7/16-14 Course thread hand tap with tap handle
  - ☐ For rear upper coil spring retainers only: Hand drill and .358 diameter (letter T) drill bit
  - ☐ High strength threadlocker adhesive such as Loctite red

### Front or Rear Upper Coil Spring Retainer Installation:

1. Lift vehicle and support with tall jack stands under the unibody frame – front or rear depending on where you are installing the coil spring retainers.  
\*\*tip: break lug nuts loose before lifting vehicle.
2. Ensure the vehicle is safely supported.
3. Remove the front or rear tires depending on which spring retainers you are installing.
4. Place a floor jack under the axle for support, do not lift vehicle.
5. With the axle hanging as low as possible, remove coil springs.
6. Locate the coil spring retainers (approx. 2" diameter x 5" long aluminum cylinders) and the mounting bolts. The coil spring retainers' bolt onto the upper coil spring perch to keep the coil springs from falling out under extreme droop.
7. FRONT ONLY: Using your 1/2-20 fine thread hand tap, tap the existing hole in the center of each front upper coil spring perch.
8. REAR ONLY: Using a letter T drill bit and 7/16-14 hand tap, drill and tap the existing hole in the center of each rear upper coil spring perch.
9. Apply high strength threadlocker adhesive (such as Loctite red) to the threads of both socket head cap screws.
10. Position the coil spring retainer onto the upper coil spring pad and install the bolt. Torque to 60 inch-pounds. Repeat for opposite side.
11. FRONT ONLY: Remove the lower coil spring isolators from the axle and snap the lower coil spring isolator into the spring.
12. Install springs in vehicle being careful to align isolator pin on front spring isolators with the hole in the spring bucket.
13. Install tires.
14. Lower vehicle from jack stands.
15. With the vehicle on the ground, torque any loose bolts to spec.
16. Drill both bolt holes using .272 diameter letter "I" drill bit.
17. Position the coil spring retainer and install the thread cutting bolts.
18. Re-install shock absorber.
19. Repeat for opposite side.
20. Install tires.
21. Lower vehicle from jack stands.
22. With the vehicle on the ground, torque any loose bolts to spec.

### Final Safety Warning:

Re-torque all fasteners after 100 miles, and frequently inspect all safety critical suspension components. It is the responsibility of the installer to be sure all fasteners are properly tightened after installation and to ensure the owner knows his/her ongoing responsibility. It is the responsibility of the owner of the vehicle to be sure all safety critical components are inspected frequently, especially after off road or other demanding use.