

IRON ROCK OFF ROAD

**WJ Front Coil Retainer
Cone Instructions**

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

Parts Checklist:

- ☐ Logo decal 10001 (Qty: 1)

Front Coil Spring Retainer Kit - 16020 (1)

- ☐ Front coil spring retainer cone 92414 (2)
- ☐ M12 x 35 flange bolt class 10.9 (2)
- ☐ 7/16 SAE flat washer (2)
- ☐ M12 rivet nut (2)

#297 - M12 Rivet Nut Install Tool (1)

- ☐ M12 x 50 hex bolt, class 10.9 (1)
- ☐ M12 hardened washer, class 10.9 (1)
- ☐ Serrated hex install spacer, class 10.9 (1)



Installation Instructions:

Safety Warning: *Important! Read before installation. *****

We recommend this system be installed by a qualified professional. Knowledge of suspension component function is necessary for safe installation and post installation inspections. Be sure to re-torque all suspension components after the first 100 miles of use, and frequently inspect all safety critical suspension components.

Before you begin:

- ☐ Read all safety warnings.
- ☐ Read and understand installation instructions.
- ☐ Check all steering and suspension components for wear and replace as needed.
- ☐ Contact Iron Rock Off Road with any questions before, during, or after installation.
- ☐ **Ensure that all parts are present and in good condition using the included shipping checklist.**
- ☐ Be sure you have the following tools and supplies:
 - ☐ Floor jack and jack stands.
 - ☐ Basic hand tools (wrenches, sockets, etc.).
 - ☐ Medium Strength Thread locker such as Lock-Tite Blue
 - ☐ Hand drill with good quality 5/8" drill bit
 - ☐ Anti-seize compound for bolts.



Installation:

1. Lift front and rear of vehicle and support with jack stands under the uniframe.
****Tip: break lug nuts loose before lifting vehicle. ****
2. Remove front wheels/tires.
3. Disconnect front shocks and let the front axle droop down until springs can come out easily.
4. Remove the front springs and upper isolator.
5. Locate the coil spring retainers (black cones) and **HK #297**. The coil spring retainers bolt onto the front upper coil spring perch to keep the coil springs from falling out under extreme droop and hold the upper isolator in place.
6. Drill the existing hole in the center of each front upper coil spring mount with a 5/8" drill bit.
7. Using **HK #297** install the M12 rivet nut into the upper coil spring mount. See below.
8. Apply medium strength thread locker (such as Loctite blue) to the threads of both M12 bolts.
9. Position the upper coil spring isolator on the upper spring perch then install the retainer cone. The retainer cone will hold the isolator in place.
10. Torque M12 bolt to **30ft-lbs.**
11. Reinstall the front springs, raise the axle back up into position then reconnect the shocks.
12. Install tires and wheels. Torque lug nuts (Typical specification is **85-115 ft-lbs.**, depending on your wheels)
13. Recheck all fasteners and torque any remaining loose nuts or bolts to spec.
14. Lower vehicle to the ground.

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 ensure 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.

