# IRON ROCK OFF ROAD

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

**JK 2.5" Foundation Series**
**Lift Kit Instructions**

## Parts Checklist:

- ❑ Instructions
- ❑ Iron Rock Off Road Logo Decal 10001 (1)
- ❑ Ironrockoffroad.com decal (1)
- ❑ 2.5" Front coil spring 96025 (2)
- ❑ 2.5" Rear coil spring 96026 (2)
- ❑ ***#162 - JK Brake hose bracket front or rear (2)***
  - ❑ Brake hose bracket 80017 (2)
  - ❑ M6 x 18 hex bolt (2)
  - ❑ M6 hex nut (2)
  - ❑ 1/4" USS washer (2)

### Shocks

- ❑ ***Trail Tamer HD Hydro***
  - ❑ Front shock 79001 (2)
  - ❑ Rear shock 79004 (2)
- ❑ ***Doetsch Upgrade (Optional)***
  - ❑ Front shock DT 8350 (2)
  - ❑ Rear shock DT 8299 (2)

  ***#165 – JK Shock Hardware (1)***
  - ❑ Rear barpin GS-403261 (2)
- ❑ ***Bilstein Upgrade (Optional)***
  - ❑ Front shock 33-230351 (2)
  - ❑ Rear shock 33-185552 (2)

  ***#164 – JK Bilstein Shock Hardware (1)***
  - ❑ Rear barpin GS-403261 (2)
  - ❑ 12mm shock sleeve 404739 (4)

## Before you begin:

- ❑ ***Ensure that all parts are present and in good condition using above shipping checklist. ***
- ❑ Read and understand all installation instructions.
- ❑ Tools required:
  - ❑ Floor jack
  - ❑ Jack stands
  - ❑ Basic hand tools
  - ❑ Torque wrench
  - ❑ File or angle grinder

## Prepare the parts for installation:

1. Locate rear shocks and hardware kits.
2. Grind the outer corners on one end of the barpins to ease installation.
3. Grease and install the barpins into the top side of the rear shocks. Clamp the barpin vertically in a bench vise and lower the shock onto the barpin while rotating the shock back and forth. Be sure to grease the barpin and the shock bushing.

Barpin Installation

## Front installation:

4. Lift front of vehicle and support with jack stands under frame rails.
   **Tip: break lug nuts loose before lifting vehicle.
5. Remove front wheels
6. Remove sway bar link bolts at axle.
7. Remove shocks.
8. Remove brake line bracket from frame rail.
9. Remove coil springs.
10. Install new coil springs. Front springs will have a larger diameter pig tail than rear springs.
11. Install brake hose extension bracket on frame in factory location using factory bolt.

12. Reinstall brake hose on new bracket using provided bolt and nut. Gently bend steel hard line as needed to connect to the new bracket.
13. Re-route ABS wires as needed to allow full suspension droop.
14. Install new shocks.
15. Reinstall sway bar links.
16. Reinstall front wheels.
17. Lower vehicle onto ground.
18. Torque lug nuts to factory spec.

## ***Rear installation:***

19. Lift rear of vehicle and support with jack stands under frame rails.
    **Tip: break lug nuts loose before lifting vehicle.
20. Remove rear wheels.
21. Remove sway bar link bolts at axle.
22. Remove shocks.
23. Remove brake line bracket from frame rail.
24. Remove coil springs.
25. Install new coil springs. Rear springs will have a smaller diameter pig tail than the front springs.
26. Install brake hose extension bracket on frame in factory location.
27. Reinstall brake hose on new bracket. Gently bend steel hard line as needed to connect to the new bracket.
28. **Re-route ABS wires as needed to allow full suspension droop.**
29. Install new shocks.
30. Reinstall sway bar links.
31. Reinstall rear wheels.
32. Lower vehicle onto ground.
33. Torque lug nuts to factory spec.

## ***Adjustments:***

34. The draglink **must** be adjusted to center the steering wheel before driving the vehicle. Failure to do so will cause an error with the factory traction control system and will result in odd handling and decreased performance.
35. Check all components for clearance for suspension to fully cycle up and down and wheels to turn lock to lock. Pay special attention to brake lines, axle vent hoses, and ABS wires. Reposition as needed by bending the brackets, relocating, or extending hoses and wiring.

## ***Final Safety Warning:***

36. * 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.