IRON ROCK OFF ROAD

JL 3" Foundation Series Lift Kit Instructions

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

Parts Checklist:

- ❑ Iron Rock Off Road Logo Decal 10001 (1)
- ❑ Ironrockoffroad.com decal (1)
- ❑ 3" Front coil spring 96025 (2)
- ❑ 3" Rear coil spring 96005 (2)
- ❑ Rear sway bar link 11.25" center to center 92147 (2)
- ❑ ***#201 - Sway Bar Link Hardware (1)***
  - ❑ 3/4" hourglass bushing M00393 (4)
  - ❑ 12mm sway bar bolt sleeve 92038 (4)
  - ❑ M12 x 65 Hex bolt cl 10.9 (2)
  - ❑ M12 Nylock nut (2)
  - ❑ 7/16 USS washer (4)

Shocks

- ❑ ***IRO Hydro***
  - ❑ Front shock 79004 (2)
  - ❑ Rear shock 79005 (2)

  #232 – JL Shock Hardware (1)
  - ❑ Upper shock sleeve 79012 (4)
  - ❑ Upper shock mount spacer 79013 (8)
- ❑ ***Doetsch Upgrade (Optional)***
  - ❑ Front shock DT 8299 (2)
  - ❑ Rear shock DT 8371 (2)

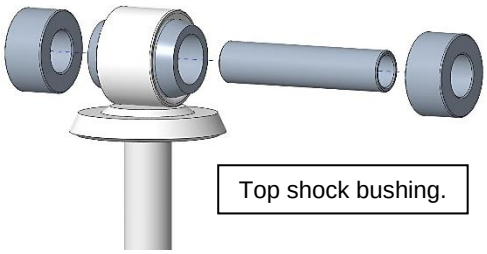
  #232 – JL Shock Hardware (1)
  - ❑ Upper shock sleeve 79012 (4)
  - ❑ Upper shock mount spacer 79013 (8)
- ❑ ***Bilstein Upgrade (Optional)***
  - ❑ Front shock 33-185552 (2)
  - ❑ Rear shock 33-104652 (2)

  #231 – JL Bilstein Shock Hardware (1)
  - ❑ 12mm X 1.49" Shock Sleeve 79008 (4)

  #232 – JL Shock Hardware (1)
  - ❑ Upper shock sleeve 79012 (4)
  - ❑ Upper shock mount spacer 79013 (8)

Before you begin:

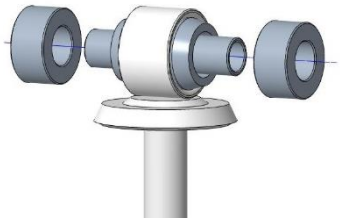
- ❑ ***Ensure that all parts are present and in good condition using above shipping checklist. ***
- ❑ Read and understand all installation instructions.
- ❑ Tools required:
  - ❑ Floor jack
  - ❑ Jack stands
  - ❑ Basic hand tools
  - ❑ Torque wrench
  - ❑ File or angle grinder
  - ❑ Multipurpose grease



Top shock bushing.

Prepare the parts for installation:

1. **Shocks:** Locate the front and rear shocks and hardware kits.
2. Grease and install the long sleeve into the top bushing of the front and rear shocks. The long sleeve should be approximatly in the center of the bushing.
3. Grease and install the short shock sleeves (included with shocks) into the bottom bushing.
4. **Sway Bar Links:** Grease and install the hourglass bushings into the links.
5. Grease and install the sway bar link bolt sleeves into the bushings. All sleeves are the same (12mm I.D.).



Front installation:

6. Lift front of vehicle and support with jack stands under frame rails.
   **Tip: break lug nuts loose before lifting vehicle.
7. Remove front wheels
8. Disconnect front sway bar links.
9. Support front axle with jack stands and remove shocks.
10. Loosen the upper and lower control arm bolts at the frame and the axle (do not remove).
11. Allow the axle to droop as much as possible and remove coil springs.
12. Install new coil springs.
13. Install new shocks with spacers on the long sleeve.
14. Reconnect front sway bar links.
15. Reinstall front wheels.
16. Lower vehicle onto ground.
17. Torque lug nuts to factory spec.
    Typical specification is 85-115 ft-lbs., depending on your wheels
18. With the vehicle weight on the suspension, tighten all lower control arm bolts to 130 lb-ft. Tighten upper control arm bolts to 75 lb-ft.

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 rear sway bar links.
22. Support the rear axle with jack stands and remove shocks.
23. Loosen the upper and lower control arm bolts at the frame and the axle (do not remove).
24. Allow the axle to droop as much as possible and remove coil springs.
25. Install new coil springs.
26. Install new rear sway bar links. Use bolts from hardware kit #201 for the top and reuse the original bolt for the lower.
27. Install new shocks with spacers on the long sleeve.
28. Reinstall rear wheels.
29. Lower vehicle onto ground.
30. Torque lug nuts to factory spec.
    Typical specification is 85-115 ft-lbs., depending on your wheels
31. With the vehicle weight on the suspension, tighten all upper and lower control arm bolts to 130 lb-ft.

Adjustments:

32. 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.
33. 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:

34. * 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.