



### **Parts Checklist:**

- Instructions
- Iron Rock Off Road Decal (1)
- IRO Full Length Add-a-Leaf 96013 (2 Leafs)
  - Upper leaf clamp 96021 (4)
  - Lower leaf clamp 96022 (4)
  - 5/16-24 x 4 Center pin (2)
  - 5/16-24 hex nut (2)



## **Installation Instructions**

### **Safety Warning:**

Installing a suspension lift kit raises the center of gravity of the vehicle. This increases the possibility of a rollover accident. Avoid sudden maneuvers at high speed and avoid all situations where a side rollover may occur. In addition larger tires decrease braking performance, please drive accordingly. We recommend a tire and wheel combination that makes the vehicle's track width wider (wheels with less backsacing). This will lower the center of gravity and add stability. We also recommend that 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.
- Contact Iron Rock Off Road customer service 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

### **Add-A-Leaf Installation:**

1. Lift rear of vehicle and support with tall jack stands under the unibody frame.  
\*Tip: break lug nuts loose before lifting vehicle.
2. Ensure that the vehicle is safely supported.
3. Remove rear tires.
4. Remove rear shocks.
5. Allow suspension to droop as much as possible.
6. Starting with the driver's side, remove u-bolts.
7. Allow axle to droop and remove leaf spring clamps and center pin to take apart the leaf spring pack. Note orientation of leaves.
8. Install the new highly arched leaf in the spring pack (directly under main leaf in the #2 spot) with the long end of leaf towards the rear of the vehicle. Use a c-clamp or two to help install the new center pin.
9. Tighten leaf spring centering pin.
10. Use a c-clamp or two to help install new leaf spring clamps.
11. Clean any debris from axle seating surfaces.
12. Raise the axle up to the leaf spring, make sure the center pin drops into the axle and the axle seats flat against the leaf spring. Install u-bolts and torque to spec. Be sure to re-torque u-bolts after first 100 miles of use.
13. Repeat for passenger side.
14. Install shocks.
15. Install tires.
16. Lower vehicle from jack stands.
17. With the vehicle on the ground, torque any loose bolts to spec. including lug nuts.