

# Installation Instructions

Eibach Springs, Inc. • 264 Mariah Circle • Corona, California 92879-1751 • USA • Tech Support 800-222-8811 Ext 114



## **TRUCK REAR SHACKLE Kit – 35112.820**

**Ford F150, 2WD only, 2004>**

Kit Contents	Description	Part Number	Qty
	Shackle		2
	Bushings		4
	Sleeve		2
	Information Kit	EPAK	1

### **Preparing the vehicle for the Shackle Kit Installation:**

1. Verify the individual Shackles and necessary hardware is correct for your vehicle. Use the Bill of Materials Checklist to verify all hardware.
2. The installation of this kit should be performed by a technician, certified in suspension work and/or familiar with your particular vehicle.
3. Before starting the installation of this kit, carefully measure all Four Corners of the vehicle to determine current ride height (take this measurement from the middle of the wheel or hub center straight up to the fender lip). Document the measurements here:

LF\_\_\_\_ RF\_\_\_\_ LR\_\_\_\_ RR\_\_\_\_

4. Protective eyewear should be worn throughout the installation of this kit.

### **Removing the factory Shackle:**

5. Block the front wheels (left & right side) and raise the rear of the truck at the differential housing. Place the jack stands under the frame just in front of the rear suspension mounting point at the spring hanger. **Never work on/or under a vehicle that is solely supported by a jack!!**
6. With the truck elevated on the jack stands, remove the rear wheels and place a floor jack under the rear axle. Raise the rear axle just enough to take the weight off of the spring shackles (rear of the leaf spring). **Do not raise the vehicle off the jack stands.**

**Caution:** the leaf springs have a load / tension on them. Be careful in the next step as the spring may cause pinching between itself and the shackle.

7. Loosen and remove the leaf spring retaining bolt at the shackle mount.
8. Loosen the retaining bolt at the leaf spring. **Do not remove.** This will allow the shackle to rotate for more clearance during the removal and replacement of the shackle mount.
9. Lower the jack down, slowly. This will allow the rear leaf spring and shackle to lower out of the way of the shackle mount.
10. Remove the Shackles from the vehicle.

### **Installing the new Eibach Shackle:**

11. Loosely install the New **Eibach** Shackle to the leaf spring assembly using the retaining bolt.
12. Raise the rear axle until the shackle is positioned in the factory shackle mount.
13. Tighten the shackle retaining bolts to the recommended factory specifications.
14. Repeat this procedure for the opposite side of the truck.

### **Additional Installation Notes:**

- **Leveling adjustments:** If the rear of the truck seems uneven side-to-side, it may be because the retaining bolts were tightened down to a fixed position while the truck was still on the jack stands. To remedy, first loosen all (4) retaining bolts both sides / front & rear. Second, jounce the rear of the truck to allow the leaf spring to move freely at eyelets. Re-tighten the retaining bolts to factory specifications. The leafs must be free to move slightly at both the front and the rear.