

# STOP..READ THIS FIRST!!!

## McGAUGHY'S ADJUSTABLE SPRING HANGERS

### 97-03 FORD F-150

#### **INSTALLATION INSTRUCTIONS:**

1. Place a block in front of wheels and jack up rear of vehicle placing floor jacks under the frame in front of the rear suspension.
2. Using a jack under the rear end, raise the vehicle up enough to take the weight off the front spring hangers.
3. Drop the gas tank down, disassemble any brackets, straps, clips, and disconnect the gas filler neck so that the gas tank can slide over. Allow yourself enough room to remove your hanger and install our hanger.
4. Drill out the rivets that hold the hangers to the frame.
5. Lower the axle to allow the hanger and spring to drop below the frame.
6. Unbolt and remove the leaf spring. You will be unbolting and removing the emergency brake components from the drivers side rear (this will come off when you unbolt the leaf spring from the stock hanger).
7. Make sure the new hanger area has a smooth surface to install to.
8. Line up the holes in the new hangers with old rivet holes to determine driver side and passenger side.
9. Bolt the leaf spring to the new hanger and then the hanger to the frame. Remember to install emergency brake components just how you took them off in step #6.
10. Be sure to not over tighten the bolt through the spring eye because the leaf has to be able to rotate within the hanger.
11. Bolt in your new McGaughy's hangers on each side.
12. Cut your bump stops in the rear of the truck so that one inch is left on your bump stop. You should have one ring of the bump stop left after you have cut the excess foam.
13. Install gas tank using all original straps, clips, and brackets.
14. Install spring shackles now following shackle instructions.
15. Adjust the position of the center drive-line carrier bearing and pinion angle if needed.
16. Lower truck down and remove jack stands.

#### **TROUBLE SHOOTING:**

**REAR OF TRUCK NOT LEVEL:** Loosen leaf spring eye bolts on each side. Move the truck up and down to ensure the leaf springs are free and flexing at the eyes. Bolt down again being sure not to over tighten.

**VIBRATION OR HUM (PINION ANGLE):** In order to determine if an adjustment is needed, you must test drive the car. If you hear a hum or feel a vibration from the rear you need to adjust the pinion angle. Your truck has the pinion pointing too high compared to the rear of the drive-shaft.