



## **Cognito Motorsports, Inc. Carrier Bearing Spacer Kit Installation**

### **Introduction**

- Installation requires a qualified mechanic.
- Read instructions carefully and study the pictures (if included) before attempting installation.
- Secure and properly block vehicle prior to beginning installation.
- Always wear safety glasses when using power tools.

### **Parts List**

- \_\_ Carrier bearing spacer
- \_\_ HP9070 Hardware Package

### **Disassembly**

- 1) Park vehicle on level ground.
- 2) **Never work on an unsupported vehicle.**
- 3) Inspect the carrier bearing of the vehicle to ensure that unacceptable wear is not present. Also be sure that the mounting configuration matches the configuration of the carrier bearing spacer provided.
- 4) Remove the factory bolts and nuts mounting the carrier bearing to the frame of the truck.

### **Assembly**

- 5) The carrier bearing spacer has two different size configurations, 2" and 3", or 3" and 4" depending on which spacer was purchased. Determine which size is best for your particular application and mount the spacer accordingly. Notice the spacer has a mounting surface that will end up at a small angle compared to that of the factory mounting surface. The angle should point down toward the rear axle of the truck.

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- 6) Use the hardware provided to mount the carrier bearing spacer loosely to the frame. Do not tighten the hardware at this time.
- 7) Next, use the rest of the hardware to mount the carrier bearing to the carrier bearing spacer. Tighten this hardware at this time to 50 ft-lbs. of torque.
- 8) Make sure there is no binding in the mounting areas in between the spacer and the frame. Hold the carrier bearing spacer up to the frame mount so that the carrier bearing is relaxed and there is no strain or twisting occurring. Now tighten the remaining hardware to 50 ft.lbs of torque.