



Cognito Carrier Bearing Spacer For Silverado/Sierra 2500/3500 2WD/4WD / Ford F250/F350 4WD

INSTALL INSTRUCTIONS:

Cognito Carrier Bearing Spacer For Silverado/Sierra 2500/3500
2WD/4WD / Ford F250/F350 4WD
SKU: 199-90188/199-90189

PARTS LIST FOR SKU: 199-90188

QTY	PART #	DESCRIPTION
1	8139	Spacer Carrier Bearing 2" & 3"
1	HP9070	Carrier Bearing Spacer Hardware

PARTS LIST FOR SKU: 199-90189

QTY	PART #	DESCRIPTION
1	8140	Spacer Carrier Bearing 3" & 4"
1	HP9070	Carrier Bearing Spacer Hardware

PARTS LIST FOR SKU: HP9070

QTY	PART #	DESCRIPTION
4	HARDWARE-15157	Hex Cap Screw
4	HARDWARE-37266	Lock Nut
8	HARDWARE-33084	Flat Washer

**WARNING**

Please read this entire instruction sheet before beginning installation. Proper installation of these components requires a qualified mechanic. Always wear safety glasses when using power tools, and take appropriate precautions when working under a vehicle. If these instructions are not properly followed you may jeopardize your, and your passenger's safety, and severe frame, suspension or tire damage may also result from improper installation.

Modification of vehicle suspension can interfere with ride-height sensors, active suspension, lane departure features, semi-autonomous, and autonomous driving features. It is the responsibility of the mechanic to determine feature compatibility prior to installation. Recalibration of sensors may be required in the event of any modification.



INTRODUCTION

Thank you for purchasing the Cognito Carrier Bearing Spacer
Powder coated semi-gloss black. Made in the USA.

TECH NOTES

- Secure and properly block vehicle prior to beginning installation.
- Read instructions carefully and study the pictures (if included) before attempting installation.
- If this product was purchased as part of a bundle/package. Familiarize yourself with each set of instructions included with the bundle/package before beginning.
- Check the parts and hardware packages against the parts list to assure that your kit is complete before starting.

REQUIREMENTS

- Installation requires a qualified mechanic.
- Follow the OE specifications when replacing or re-installing OE fasteners, retainers, and hardware specified in the OEM manual.
- Always wear safety glasses when using power tools.
- When a lift is required to perform the installation of these products and always ensure the vehicle is properly supported before attempting installation or serious injury may occur.



INSTALLATION

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.
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.



WARRANTY / RETURN POLICY / SAFETY

Cognito Limited Lifetime Warranty

Cognito Motorsports, Inc. hereinafter “Cognito,” warrants to the original retail purchaser, that its suspension products are free from workmanship and material defects for as long as the purchaser owns the vehicle on which the product(s) were originally installed. This warranty will be void if any modifications are made to the components, including alterations to the surface finish, i.e.; painting, powder coating, plating, and/or welding, or if they are improperly installed. Cognito truck suspension products are not designed nor intended to be installed on “competition” vehicles used in race applications, stunt or for exhibition purposes that are outside of the intended operating conditions specified by the manufacturer. Racing and competition are defined as any contests between two or more vehicles; or vehicles competing individually on off road circuits in timed events (whether or not such contests are for an award or prize).

This warranty does not include coverage for police, taxi, government or commercial vehicles, and the warranty does not cover Cognito products sold outside of the USA. Cognito’s obligations under this warranty are specified and applied at its sole discretion, and warranty coverage is limited to repair or replacement of the defective product(s). Any and all costs of removal, installation or reinstallation; freight charges, incidental or consequential damages associated with the covered products are expressly excluded from this warranty.

The following items are exempt from Cognito limited warranty coverage: bushings, bump stops, tie-rod ends (Heim joints) and limiting straps. These parts are “consumables” and designed to wear as a normal part of their duty cycle, therefore they are not considered defective when worn. The aforementioned products are warranted separately against defects in workmanship, for 60 days from the date of purchase. As a condition of warranty validation, respective Cognito suspension components must be installed as a complete system (not combined with non-Cognito hardware or ancillary parts). Any substitutions or omission of required components will void the warranty. Some minor cosmetic wear and imperfections may occur to parts during shipping, which is not covered under this warranty. This limited warranty does not apply to any components that have been subjected to collision damage, negligence, alteration, abuse, or misuse, and coverage does not extend to products manufactured by third-party companies. Cognito reserves the right to supersede, discontinue, or change the design, finish, part number and/or application of its parts when deemed necessary, without notice.

Return Policy

Product returns will not be accepted without prior written approval from an authorized Cognito representative. All products being returned must be shipped via trackable, prepaid freight. Returned products are subject to a 25% percent restocking fee. The eligible return period for products purchased directly from Cognito is 30 days from the verified date when the product(s) were originally received by the purchaser.

Product Safety Advisory

The installation of Cognito steering and suspension components will modify your vehicle’s original factory equipment and geometry, which may cause it to handle differently than a stock (unaltered) vehicle. Installation of these components is not intended to strengthen nor reinforce the vehicle’s frame, nor are they designed to increase rollover protection. It is necessary to periodically inspect all suspension and drive train components for proper attachment, torque specifications, operation, and for any potential unusual wear or damage. Installation of these parts will modify the height of the vehicle and may raise the center of gravity. Modifying vehicle height combined with off road operation may increase your vehicle’s susceptibility to rollover conditions, which may cause serious injury or death. Many states regulate allowable vehicle height modifications, and it is your responsibility to know and comply with the legal requirements specified by the laws where you reside. Modifications to your vehicle’s ride height may also affect the ride quality, driver input response, trackability and handling, and wear to your vehicle’s suspension components and tires.