Universal Traction Bar Kit

INSTALL INSTRUCTIONS:

Universal Traction Bar Kit
SKU: 199-90274/199-90275/199-90276



PARTS LIST FOR SKU: 199-90274/199-90275/199-90276

QUANTITY	PART #	DESCRIPTION
2	1218	Bracket Traction Bar Frame Mount
4	1345	Tab 1/2" Bolt To Axle
1	HP9066	Traction Bar Kit Hardware
2	8215	Traction Bar 42” (only for **199-90274**)
2	8134	Traction Bar 48” (only for **199-90275**)
2	8133	Traction Bar 58” (only for **199-90276**)

PARTS LIST FOR SKU: HP9066

QTY	PART #	DESCRIPTION
16	HARDWARE-33086	Flat Washer
8	HARDWARE-37268	Lock Nut
2	HARDWARE-36266	Jam Nut
4	HARDWARE-15209	1/2-13X1.5 Head Cap Screw
2	HARDWARE-15217	1/2-13X3.5 Head Cap Screw
2	HARDWARE-15221	1/2-13X4.5 Head Cap Screw
1	HARDWARE-0150959	Anti-Seize Lubricant
2	5012	Crush Sleeve
4	POLY-BUSHING-2130G	Bushing
4	5001	1.0X.180X.480 Crush Sleeve
2	RODEND-CMT-12-8	Rod End

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 Universal Traction Bar Kit.
Complete with 1.75 Inch x.120 wall traction bars, universal bolt or weld on frame brackets and weld on axle tabs.

Designed to help prevent axle wrap this traction bar kit features FK rod ends at the axle and polyurethane bushings at the frame. Durable semi-gloss black powder coat finish. Made in the USA.

Foot-pound readings are listed on the Torque Specification Chart at the end of the instructions.

TECH NOTES

- 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

1. From the hardware package, insert the polyurethane bushings and the crush sleeves into the front end of the traction bar tubes.
2. Thread the jam nuts onto the rod ends. Apply some anti-seize lubricant to the threads of the rod ends and thread them into the rear ends of the traction bar tubes leaving about **3/8”** of thread showing.
3. Mount the front frame brackets to the front ends of the traction bar tubes with the **1/2”** hardware included. Mount the spacer sleeves in between the rod end and the rear end housing weld on brackets with the **1/2”** hardware included.
4. With the rear suspension at ride height, clamp the front frame bracket to the underside of the frame. Adjust this position until a satisfactory position of both ends of the traction bar tube is achieved. The rear mounting point should be directly underneath the rear end axle tubes. Repeat for both sides of the vehicle.
5. Mark the holes from the front frame brackets to the underside of the frame. Unclamp the brackets and drill ½” holes through the bottom wall of the frame.



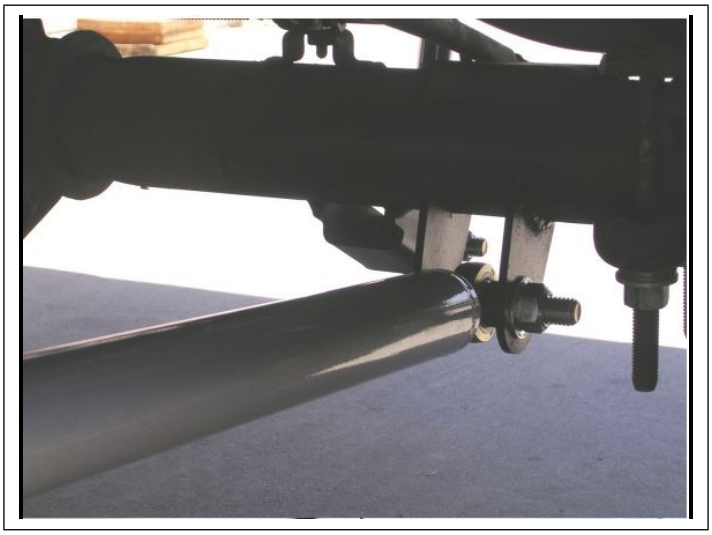
6. Mount the fame brackets with the ½” hardware provided.

7. With the rear suspension at ride height, weld the rear brackets to the rear end housing. Welding just the outside of the joint will be sufficient, welding in between the brackets will not be necessary. Be sure not to create excessive heat at the weld joint, as this will tend to warp the rear end housing.
8. Paint all exposed metal surfaces after welds have cooled. Tighten hardware to specs below.

Torque Specification Chart

1/2” Bolts **70Ft.-Lbs**

3/4” Jam Nut **100Ft.-Lbs.**





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 warrantied 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.