

2014-26 RAM 2500/3500 ADJUSTABLE TRACK BAR

INSTALL INSTRUCTIONS:

2014-26 RAM 2500/3500 ADJUSTABLE TRACK BAR
SKU: 115-91377

COMPONENTS INCLUDED:

QUANTITY	PART #	DESCRIPTION
1	8879	2014+ Ram Adjustable Track Bar Weldment

HARDWARE INCLUDED:

QUANTITY	PART #	DESCRIPTION
2	6497	Heim Spacer 1" Ram
1	217208	Heim Spacer JMX14 X 18mm X 1.350
1	217218	Heim Spacer JMX14 X 18mm X 1.850
1	217520	L-R Adj Sleeve 1-1/8-12L / 7/8-14
1	UNI-BALL-COM16T	COM16T Bearing F1 Fit
1	RODEND-JMX14T	JMX14T-772 SP 7/8-14, 4.25 OAL, 2.75 THD
2	HARDWARE-22864	3/8-16 X 1.000 12PT
1	HARDWARE-33817	1/2 Washer
1	HARDWARE-M12X1.75-LN	M12-1.75 Lock Nut
1	HARDWARE-M12X1.75X70-BHCS	M12 X 1.75 X 70 Button Head
2	HARDWARE-M10X1.5X20-BHCS	M10-1.5 X 20mm BHCS

REQUIREMENTS

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



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 installer to determine feature compatibility prior to installation. Recalibration of sensors may be required in the event of any modification.

TOOLS REQUIRED:

Torque Wrench	36mm Socket / Wrench
6mm Allen Wrench	42mm Wrench
8mm Allen Wrench	3/8" 12 Point Socket / Wrench
27mm Socket / Wrench	3/4" Socket / Wrench

TECH NOTES:

- The Track Bar is designed to be adjusted on the vehicle via the threaded adjuster holes. Adjusting it off the vehicle by turning only the rod end or only the adjuster can lead to incorrect thread engagement and failure. Always adjust using the adjuster with the rod end fixed. Maximum adjusted length is 39.40"
- Solid mounted ends increase steering response and improve vehicle feedback but can generate increased road noise.
- Track bar should be adjusted roughly 1/16" longer for each inch of lift assuming factory track bar mounting location. Final number determined by professional alignment.
- COGNITO does not recommend installing this bar on non-COGNITO suspension systems. Other manufacturer's lift kits above 2.5" lift may require radius arm drop brackets or a track bar drop bracket. Using another manufacturer's lift kit may bind the track bar or require adjustments beyond the specified limits.
- Out of spec caster can cause rubbing and damage to vehicle components.
- Do not exceed 2.375" of adjustment from the center of the rod end to the edge of the track bar pinch housing. Failure caused by excessive adjustment will not be covered under COGNITO's warranty policy. Refer to tech note photo #6.
- 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.

INSTALLATION

1. With the vehicle in park and on a level surface remove the factory track bar from the frame and axle using a 27mm.
2. If installing this on an application with increased droop over stock, the passenger side coil seat must be sanded where the adjuster will contact it. COGNITO recommends cycling the suspension to full droop with shocks installed and sanding until there is no interference. **[FIGURE 1: Note 1]**

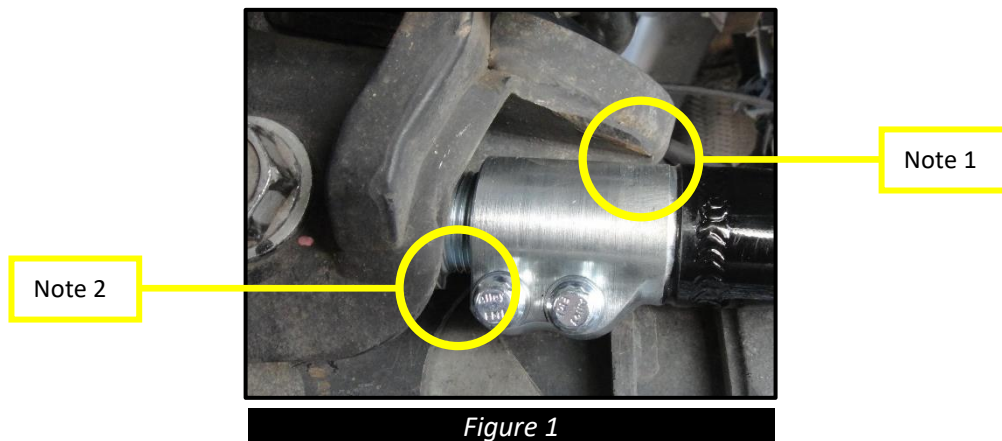


Figure 1

3. If installing on a vehicle that requires the track bar to be at minimum length, sanding for pinch bolt clearance may be required. **[FIGURE 1: Note 2]**
4. The COGNITO track bar comes preassembled from COGNITO with the parts listed above. The factory track bar length removed in Step 1 from center to center is 38.84"
5. Lay the COGNITO track bar assembly over the stock track bar and turn the adjuster while holding the rod end fixed until the eye-to-eye dimensions are close to factory.

6. Install the rod end side into the axle mounting pocket using the 2 spacers (Part #'s 217208 & 217218) and the factory hardware (the spacers push the track bar rearward in the frame pocket). Using a 27mm, thread the bolt into the factory nut tab. [torque to factory spec]
7. Install the uniball side in the frame mounting tabs using the 2 spacers (Part # 6497) and the factory hardware. [Torque to factory spec]
8. Verify axle is centered/adjust as needed. Once aligned, apply BLUE thread locker to the pinch bolts in the track bar housing. Tighten the pinch bolts in an opposing pattern at least 3 times. [Torque to 45 ft-lbs] **[FIGURE 2]**

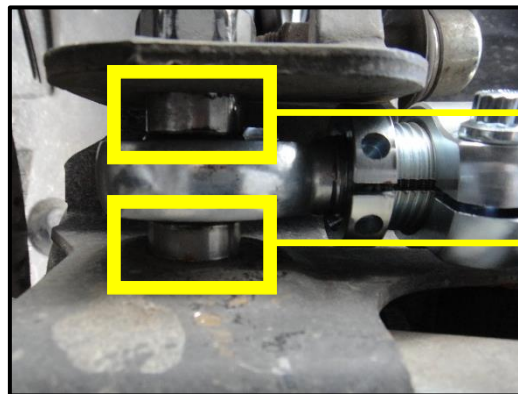


Figure 2

9. Center the steering wheel if needed by adjusting the drag link adjuster with a 36mm and 42mm. [Torque to factory spec.]
10. If you do not have a bump stop spacer that limits up-travel, replacing the factory stabilizer bolt with the supplied 12mm button head screw is required to keep the track bar from hitting it at full compression. If the factory bump stops failed the track bar can come into contact with the factory bolt. The washer is for the bottom side with the lock nut. [Torque to 50 ft-lbs] **[FIGURE 3]**



Figure 3

11. If you have low caster, COGNITO recommends replacing the (2) axle bolts with the supplied (Part # HARDWARE-M10X1.5X20-BHCS) button head bolts for added clearance using a 6mm allen wrench. Vehicles with adequate caster do not have clearance issues. **[FIGURE 4 & 5]**



Figure 4



Figure 5

12. Have the vehicle professionally aligned.

**VERIFY ALL FASTENERS ARE PROPERLY TORQUED BEFORE DRIVING VEHICLE.
RETORQUE ALL NUTS, BOLTS AND LUGS AFTER 100 MILES AND PERIODICALLY THEREAFTER.**



TECH NOTE 1

**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.



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