

INSTALLATION MANUAL

FOR

PURE PERFORMANCE SUSPENSION

2003 - Present Ram 2500/3500 4X4

Front Trackbar PP03180/PP04532

04/22/2020

Dear customer:

Thank you for purchasing the strongest track bar on the market for your Dodge Ram 4x4 Truck. We are sure you will be happy with this track bar when your installation is complete. Please take your time during the installation and be sure to do it correctly. Completely read the directions before starting your installation so you know what to expect. Remember, your personal safety depends on it. Should you have any questions during this installation feel free to give our tech line a call (518-270-9822) and we will be happy to help you.

Note: BE SURE TO CHECK ALL FASTENERS FOR PROPER TORQUE BEFORE TEST DRIVING. RECHECK AFTER 500 MILES AND BE SURE TO CHECK PERIODICALLY.

Warning

Read and understand all instructions, warnings and safety precautions in these instructions and your owner's manual before attempting to install these components.

Caution

Proper installation of Pure Performance Group, Inc. products requires knowledge of recommended procedures for disassembly/assembly of OE vehicles and components. Access to OE shop manuals and special tools are required. Attempting to install this kit without knowledge of these procedures may affect the safety of your vehicle and/or the performance of these components. Pure Performance strongly recommends that a certified mechanic with off road experience install this system.

Warning

Pure Performance Group, Inc. does not recommend combined use of suspension lifts, body lifts or other lift devices. Combined use of lifts may result in unsafe and unexpected handling characteristics. Also, many states now have laws restricting Vehicle lifts, bumper heights, and other alterations. Consult local laws to determine if your proposed alterations (including installation of this system) comply with your state laws.

Caution

Pure Performance Group, Inc. recommends the use of Loctite on all hardware, unless noted otherwise.

Warning

Properly block and secure vehicle prior to installation.

Warning

Always wear safety glasses when using power tools.

Tools required:

Drill, Drill Bits , Standard and Metric Hand Tools, Jack Stands, Bottle Jacks or Floor Jacks, Lift if possible.

Helpful hint:

Do not tighten connections until assemblies are installed in entirety

Suggested Starting Lengths:

For a 2" Lift, set track bar to 39 1/8

For a 3" Lift, set track bar to 39 3/16

For a 4" Lift, set track bar to 39 1/4

Step 1) Brace the vehicle from shifting left or right.

The easiest way to do this is to support the truck in the front by the two frame horn ends. Jack up the vehicle by the axle, position the stands under the frame horns and let the stands support the weight of the truck.

Step 2) Remove the factory track bar.

Be sure to retain the factory hardware on the axle end, this will be reused. If you choose to replace the factory hardware, be sure to match size and grade.

Step 3) Prepare to install new track bar. Skip this step for 2013+ 3500's and 2014+ 2500's

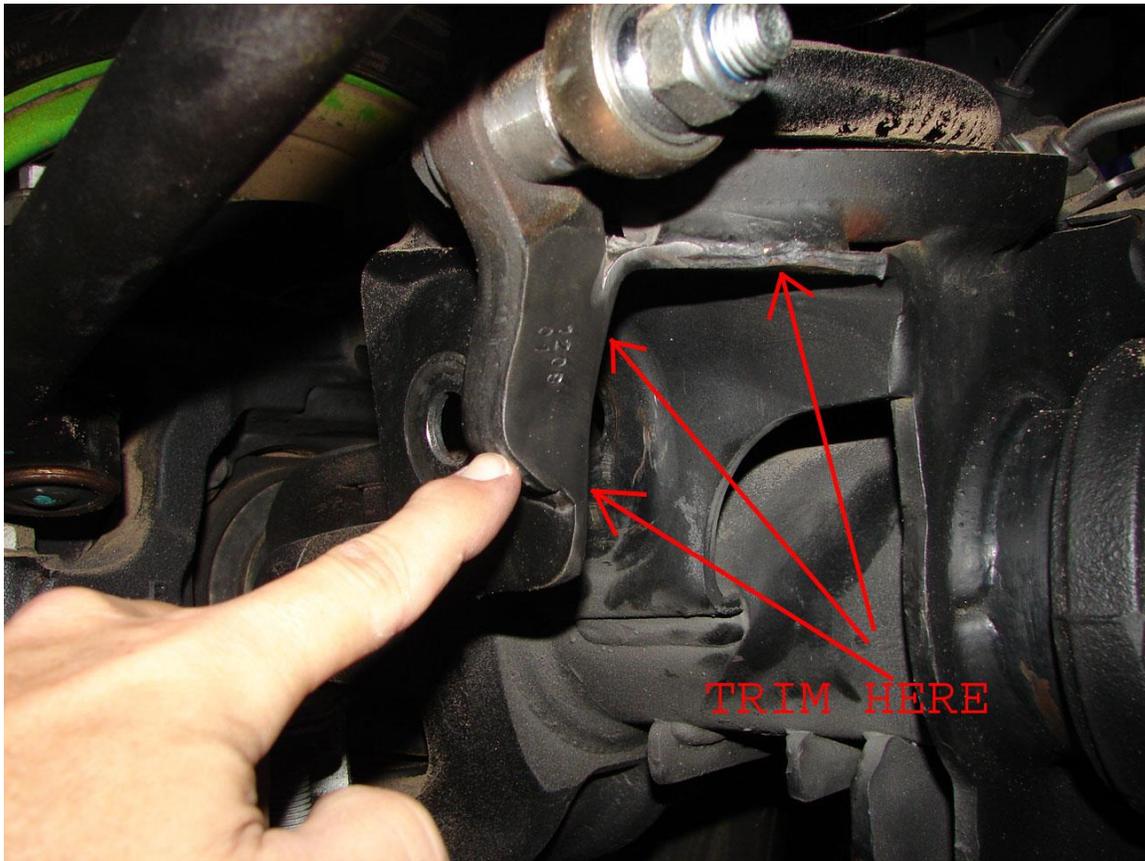
Some trucks came from the factory with 9/16" mounting hole at the frame and some came with 5/8". If your truck came with a 9/16" hole, drill out the OEM track bar mounting hole at the frame to 5/8". This may not be required for most 2007 1/2 and newer model Ram 2500 HD's and above! This will allow for a hardware upgrade that was performed at the factory for trucks that are still using 14mm (9/16) hardware to mount the track bar at the frame connection.



Drill Out the OEM Track Bar Mount to 5/8 or Make Sure the Hole Passes a 5/8 Bolt

Step 4) For 2013+ RAM 3500's and 2014+ RAM 2500's Trim the axle side bracket.

Trim the front track bar mounting bracket area on the axle flush with the sway bar end link mounting bracket and across the top horizontally as shown below. This will ensure the new bar and jam nut have ample clearance in that area. After trimming, be sure to treat the bare metal with a durable finish to avoid corrosion.



OEM Front Track Bar Mounting Bracket Required Clearancing on the Axle

Step 5) Install the new track bar.

Install Appropriate Spacers for axle connection into heim joint

Set the track bar length to the dimensions listed above.

Lock the Jam Nut and make sure the heim joint is free to move equally in both directions when installed.

You may find that it is easier to lock the jam nut in a bench vise than in the vehicle.

*The Torque on the jam nut should be 200 -240 ft- lbs. **Red Loctite must be used on jam nut.**

*The heim joint goes to the axle and the bushing goes to the frame connection

Install the new track bar with the Factory hardware at the axle and either the 5/8" supplied bolt for the frame connection on early trucks or the factory 18mm hardware for the later trucks.

Follow OEM Torque specs on connecting hardware.

Step 6) Set the vehicle back on the ground and remove the jack stands.

Measure to ensure the axle is centered under the vehicle.

Ensure that the track bar does not contact the brackets on either end, if it does, more trimming may be required. Interference will cause premature failure of joints. Depending on the lift height, trimming of the frame side bracket may be required.

Step 7) Adjust the drag link.

When adding an adjustable track bar, it is normal that your steering wheel is now not straight. It is common to need to adjust the drag link to recenter the steering wheel. Depending on the year of the truck or any aftermarket steering options, this process will vary. If you are unsure of how to adjust your specific drag link, consult an alignment shop.

If you choose to drive the truck with the steering wheel off center, do not be alarmed if you have traction control lights illuminated on the dash and you feel the ABS in the brake pedal. There is a sensor in the steering column of many of these trucks that feeds data to the ABS computer. When the wheel is not straight, this computer can not accurately process the data sent to it.

Step 8) Enjoy your truck

You have completed your install of the best track bar available for the RAM trucks on the market.

IMPORTANT NOTE:

The frame side joint has specific grease requirements!!! This joint will accommodate NLGI # 1 or thinner grease. Heavier weight grease can cause damage to the joint which will not be covered by a warranty.

COMMON SERVICE PART LISTINGS:

Heim Joint at the axle side connection: RK03426

Misalignment Spacers used at axle connection:

9/16": RK03428

5/8": RK03429

Raceways to rebuild frame side connection: RK00221K

Joint Tool to service frame side connection: RK04487