



Pitman Arm Installation Instructions

Read and understand all instructions and warnings prior to installation of product and operation of vehicle.

Zone Offroad Products recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known. Minimum tool requirements include the following: Assorted metric and standard wrenches, hammer, hydraulic floor jack and a set of jack stands. See the "Special Tools Required" section for additional tools needed to complete this installation properly and safely.

» PRODUCT SAFETY WARNING

Certain Zone Suspension Products are intended to improve off-road performance. Modifying your vehicle for off-road use may result in the vehicle handling differently than a factory equipped vehicle. Extreme care must be used to prevent loss of control or vehicle rollover. Failure to drive your modified vehicle safely may result in serious injury or death. Zone Offroad Products does not recommend the combined use of suspension lifts, body lifts, or other lifting devices.

You should never operate your modified vehicle under the influence of alcohol or drugs.
Always drive your modified vehicle at reduced speeds to ensure your ability to control your vehicle under all driving conditions. Always wear your seat belt.

Difficulty Level

easy 1 **2** 3 4 5 difficult

Estimated installation: hours

Special Tools Required

Pitman arm puller

Pickle fork or tie rod end puller

» PRE-INSTALLATION NOTES

1. Special literature required: OE Service Manual for model/year of vehicle. Refer to manual for proper disassembly/reassembly procedures of OE and related components.
2. Adhere to recommendations when replacement fasteners, retainers and keepers are called out in the OE manual.
3. Larger rim and tire combinations may increase leverage on suspension, steering, and related components. When selecting combinations larger than OE, consider the additional stress you could be inducing on the OE and related components.
4. Post suspension system vehicles may experience drive line vibrations. Angles may require tuning, slider on shaft may require replacement, shafts may need to be lengthened or trued, and U-joints may need to be replaced.
5. Secure and properly block vehicle prior to installation of Zone Offroad Products. Always wear safety glasses when using power tools.
6. If installation is to be performed without a hoist, Zone Offroad Products recommends rear alterations first.
7. Due to payload options and initial ride height variances, the amount of lift is a base figure. Final ride height dimensions may vary in accordance to original vehicle attitude. Always measure the attitude prior to beginning installation.

Pitman Arm Installation

1. Park the vehicle on a level surface.
2. Block tires to ensure the vehicle cannot move.
3. Remove the cotter pin and nut from the drag link at the pitman arm.
4. Use an appropriate tie rod end puller or pickle fork to disconnect the drag link from the pitman arm.
5. Remove the nut and washer from the steering shaft that is retaining the pitman arm.
6. Draw a line on the bottom of the exposed steering shaft in line with the pitman arm to assist with installation of the new pitman arm.
7. Use a pitman arm puller to remove the pitman arm.
8. Align the new pitman arm with the mark made earlier and install the arm on the shaft.
9. Retain the pitman arm with the nut and washer.
10. Torque to specification (see chart below).
11. Install the drag link to the pitman arm and tighten to specification (see chart below). Be sure to install a new cotter pin if the vehicle was originally equipped with one.
12. The steering linkage may need to be adjusted to straighten the steering wheel and /or adjust toe after pitman arm installation.

Step 8 Note

The new pitman may not align perfectly with the mark made from the original arm. This is intentional to adjust for the modification in steering geometry.

Step 9 Note

Some Fords have a one time use nut. Please refer to your O.E. service manually. If your vehicle requires it, then a new Ford nut must be used.

Application	Steering Shaft Nut	Drag Link Nut
07-09 Wrangler JK	185 ft.lbs.	77 ft.lbs
'97-06 Wrangler TJ	185 ft.lbs.	60 ft.lbs.
'87-95 Wrangler YJ	185 ft.lbs.	60 ft.lbs
'84-01 Cherokee XJ	185 ft.lbs	60 ft.lbs.
'99-04 Grand Cherokee WJ	185 ft.lbs	65 ft.lbs
'76-86 CJ Series	185 ft.lbs	60 ft.lbs
'09 Dodge 2500,3500	225 ft.lbs	65 ft.lbs
'03-08 Dodge 2500, 3500	185 ft.lbs.	40 ft.lbs plus 90 degrees.
'00-01 Dodge	185 ft.lbs	80 ft.lbs
'94-99 Dodge	185 ft.lbs	65 ft.lbs
'05-09 F250, 350	350 ft.lbs	129 ft.lbs.
'99-04 F250, 350	200 ft.lbs	67 ft.lbs
'80-96 F150, Bronco	200 ft.lbs.	65 ft. lbs.
'73-79 F150, Bronco	200 ft.lbs.	65 ft. lbs

The above specifications are for reference only. Please refer to your specific vehicle's repair manual for exact specifications.