

Thank you for purchasing your Brute Performance heavy duty tie rods

Quick guidelines for installation;

inner tie rod thread length should be approx. 1.5 inches to the nut

outer tie rod thread length should be approx. 2.5 inches to the nut

stock length replacement

overall length from the body of the inner tie rod to the center of the grease zerck fitting should be approx. 13 ¼ inches. That will give you a good starting point to set alignment.

HCR spec

overall length from the body of the inner tie rod to the center of the grease zerck fitting should be approx. 18 ¼ inches. That will give you a good starting point to set alignment.

1.5 drop and 6" lift

There is not really a good way to accurately measure rod length

It is recommended to keep 1.5 inches of thread on the inner joint and adjust alignment with the outer joint.

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keep 1.5 inches of thread on the inner joint and adjust alignment with the outer joint for all versions of tie rods

It is important

use thread locker (Blue or red Loctite) on the inner joint threads that screw into the steering rack shaft

use never seize on the inner and outer joint threads to prevent galling

inner joint is sealed and greased

outer joint is pre greased with 6 shots of synthetic ep grease. If more is desired use a quality ep.

The new steering rack boots are very stretchy, pliable and foldable. They will go over your new tie rod shaft in the machined groove. It is recommended to use a few drops of oil on the boots to ease installation