



JK 1 Ton – No Flip

TIE Rod and Drag Link Installation Instructions:

1. Tie rod assembly requires TR117 and TR119 rod ends.
2. Thread jam nuts all the way down the tie rod ends, install Ninja washers on the ends all the way down to the jam nuts.
3. Starting with the Tie Rod Tube, locate the lefthand side of the tie rod tube, it will have a cut line toward the end of the rod, find the left tie rod end, this will have notches in the jam nut. (Please, coat the inside threads of the connecting rod with anti-seize, NOT the tie rod end threads. Getting anti-seize in the area of the jam nuts can decrease the effectiveness of the jam nuts). Start to thread in the tie rod end, ensuring the correct thread direction. Thread until it reaches the jam nut.
4. Continue with the righthand side of the tie rod and repeat the above instructions.
5. Drag link assembly, locate tube and ends and follow the instructions as you did with the tie rod end assembly. This will require TR117 and TR120,
6. Before removing the OEM tie rod and drag link assemblies, measure center to center of the end studs and write these measurements down for later
7. Remove OEM tie rod and drag link assemblies.
8. Install drag link first with the drag link end on the knuckle side then the pitman arm side. Torque the castle nuts 75-82 ft lbs. leave the jam nuts loose and center the steering wheel before turning the tube until lined up.
9. Install the tie rod assembly, torque castle nuts to 63-67 ft. lbs. rotate the tube to the previous measurements you wrote down. Leave jam nuts loose and use tape measure to set tow to factory specs.

CONTINUED ON REVERSE SIDE

10. Tighten all jam nuts tie rods and drag links, torque to 100 Ft. Lbs. Now bend the flat taps of the Ninja washer over the tube and the other tabs over the jam nut. (You may want to have it aligned then bend tabs)
11. We recommend taking it to a professional to get the alignment set. Check jam nuts after the first few days to insure they are tight.

If you have any questions or concerns, please don't hesitate to give us a call or email.

Thank you,

Team Apex

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