



Manual Steering Gear General Instructions

Borgeson Saginaw Manual Steering Gears:

- Center Borgeson steering gear prior to installation. To center the steering gear, turn the input shaft all the way to one lock of the steering gear. Count the turns while turning the input shaft all the way to the other lock of the steering gear. Divide the number of turns by two and then turn the input shaft that amount from the lock back to center, you will also feel a snug spot as you approach the center. It is perfectly normal for there to be a snug spot on center as these boxes are designed with a high tight center.
- Borgeson manual steering gears are pre lubed with the proper amount of lithium complex EP2 grease before they leave our facility. There is no need to add additional lubricant upon receipt.
- Bolt steering box to frame. Frame to steering box bolts should be tightened to 50 ft. lbs.
- Attach pitman arm with supplied nut and split lock washer. Torque pitman shaft nut to 100-120 ft. lbs.
- Connect to steering column with proper universal joint for the steering box you purchased. Borgeson manual steering boxes use the following three splines for the input shaft: 5/8"-36 spline, 3/4"-30 spline and 3/4"-36 spline. Be sure to use the proper universal joint for the steering box you purchased.