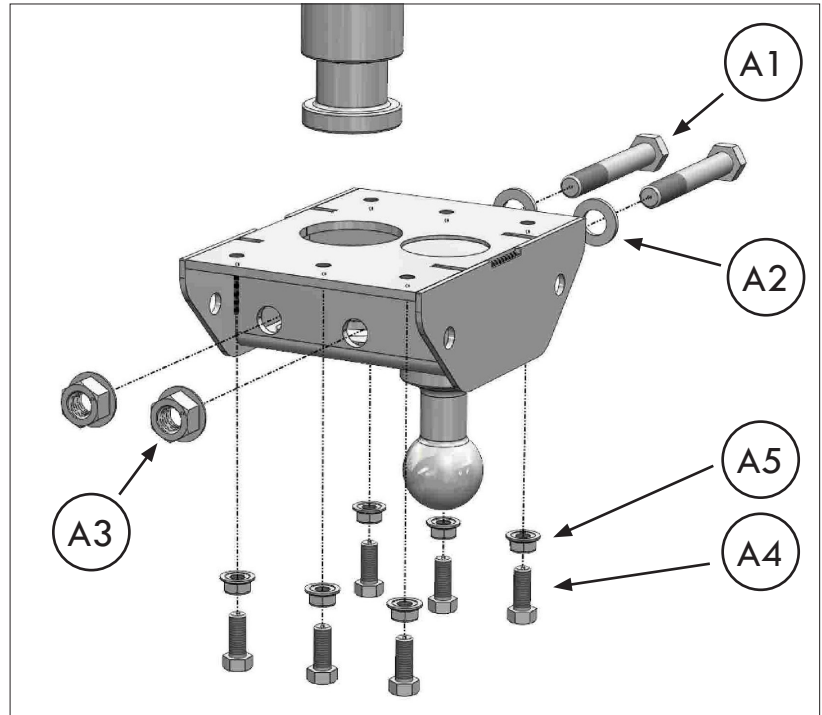




#4811 25K Heavy Duty SuperLite King Pin Adapter

OWNER'S MANUAL SUPPLEMENT

1. Your SuperLite King Pin Adapter will come to you with hardware already in place. Before beginning, remove the Adapter Plate Bolts {A1}.
2. For this installation, you will need a 3/4" open-end and socket wrench, a 9/16" open-end and socket wrench, and a torque wrench capable of up to 75 ft. lbs.
3. Verify that your trailer's king pin is clean and free of burrs before installing the King Pin Adapter. A build up of rust on the king pin or excessive powder coat paint on the king pin or the SuperLite King Pin Adapter may need to be removed as well. To do so, you can remove any burrs with a flat file or sand paper. You want a nice snug fit when the Adapter is placed onto the king pin. To help ease the Adapter onto the king pin, you can also use a coating of WD-40 to lubricate both the Adapter and the king pin.



If you are having fit issues from a bent or skewed king pin skid plate, or have other issues, call Customer Service at 800-443-2307 for help with “work-arounds.”

4. Slide the King Pin Adapter over the king pin and install the forward-most Adapter Plate Bolt {A1} and Flat Washer {A2} through the Adapter, and hand tighten with a Flange Nut {A3} to keep it in place.

Now install the rearward Adapter Plate Bolt, Flat Washer and Flange Nut in the same manner, making sure you hand tighten only.

5. The SuperLite King Pin Adapter can be installed with the hitch ball either forward or rearward of the king pin. These two positions create an offset — either ahead or behind the king pin. In most cases, the ball will be installed forward of the king pin to gain the additional cab-to-trailer clearance when turning, which is ideal for most short bed trucks, but does not guarantee total cab clearance; this depends on the type of trailer you have, the distance your king pin box extends forward of your trailer's nose cap and whether you have contoured corners or straight sides. If you have any questions about this, call Customer Service before proceeding.
6. Position the King Pin Adapter in the orientation you decided in the previous step and square it up with the king pin box.
7. Next, you will set the Adapter Plate Set Screws {A4} in place. First, back off the 6 Flange Nuts {A6} from the underside of the Adapter Plate, giving yourself enough room to turn and extend the Set Screws up to the bottom of the king pin skid plate.

8. Evenly turn and install the Adapter Plate Set Screws {A4} up to the bottom of the king pin skid plate, in a back and forth pattern, much like you would tighten the lug nuts of a tire, giving each Set Screw about the same amount of turns for each bolt.

Keep turning each Set Screw evenly until they touch the underside of the king pin skid plate. You should have approximately the same number of threads between the bottom of the skid plate and the top plate of the King Pin Adapter.

9. Once all Set Screws are firmly in place, hand tight the 1/2" Flange Nuts {A5} up the bolt shaft until they are tight up against the underside of the King Pin Adapter.
10. Hand tighten only, all six of the Adapter Plate Set Screws {A4} slowly and evenly with a 9/16" socket in a corner to corner / opposite angle manner, as you would when installing a tire, making sure that each bolt is tightened with the same amount of turns so the Adapter Plate stays level with the king pin. *It is imperative that you alternate torquing of the Set Screws between the driver side and passenger side to ensure both sides are evenly torqued; torquing only one side first, then the other, can cause the skid plate to warp.* Note also, the gap between the King Pin Adapter and the king pin box skid plate may be uneven due to several conditions, e.g., concave or convex skid plate or skewed king pins.

NOTE: It is important you don't allow your Flange Nuts to bottom out during tightening; make sure you have backed them off far enough from the underside of the adapter so you are not hindering the bolts from being fully tightened against the king pin skid plate.

11. Once all Set Screws are firmly and evenly set in place, set your torque wrench to 20 ft. lbs. and tighten all 6 down into place. You'll feel a "pop" on the torque wrench when you have achieved 20 ft. lbs.
12. Using the 9/16" open-end wrench, torque the Flange Nuts {A5} into place snugly against the underside of the King Pin Adapter
13. To complete the installation, you will now tighten down the Adapter Plate Bolt {A1} hardware.
14. Increase your torque wrench to 75 ft. lbs. and change out the socket to 3/4".
15. Because we are using Serrated Flange Nuts, you will tighten it down from the bolt side with the torque wrench, while holding the Flange Nuts in place with an open-end 3/4" wrench.
16. Torque both Adapter Plate Bolts to 75 ft. lbs. as you did in Step 11.
17. Should you want to change the orientation of the adapter in the future, it should only be necessary to loosen the Flange Nuts {A5} and Adapter Plate Set Screws and rotate the Adapter Plate on the king pin. Loosening the remaining hardware should not be necessary most of the time.

