

INSTALLATION INSTRUCTIONS

KP Laser Method Alignment for Self-Steering Axle

Figure 1

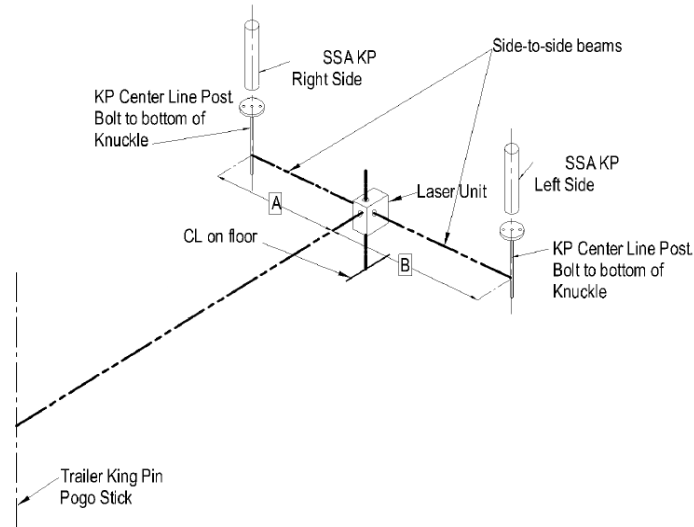
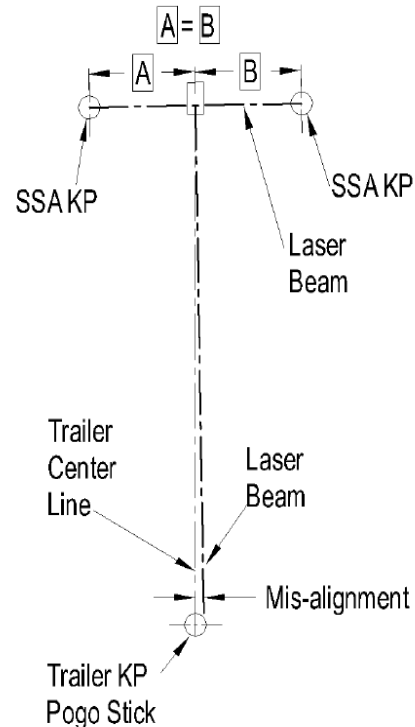


Figure 2



Procedure (Trailer must be on level floor)

1. Remove bottom KP caps and clean bottom surface of knuckle.
2. Bolt KP center line post to bottom of each knuckle using the KP cap bolt holes.
3. Mount the laser unit on the floor bracket and set it on the ground between the KP center line posts.
4. Set up Trailer KP pogo stick, level and centered properly.
5. Turn on the laser unit and aim the side to side beams on center of SSA KP center line posts.
6. Measure and set the vertical center beam so that distance "A" = "B" while maintaining side to side alignment with the SSA KP's. (Fig. 2) Scribe marker CL on floor at least 1 inch long.
7. Using white paper target at pogo, determine which side there is misalignment.
8. Realign the laser unit to aim at the pogo, at the center line on floor and at the SSA KP post that will NOT move when the suspension is realigned.
9. Adjust opposite suspension side until the SSA KP post comes into the side laser beam center.
10. Final check (Fig. 3) vertical laser beam must line up on scribed floor center line. Front beam must hit center of pogo. Side beams must hit center of SSA KP posts.
11. Reset (weld) suspension adjustment lock.

Figure 3

