



# Tandem Laser Alignment

Bee Line

BEST PRACTICES

# Purpose

- ▶ Aligning tires on semi trailers



# Inspect

- ▶ Floors clean
- ▶ Brakes unlocked
- ▶ Air to trailer

# Wheel Cradle

- ▶ Attach wheel cradles underneath rear tires
- ▶ Brackets to the back

Wheel Cradle



# Sub Frame Pendulum

- ▶ Attach center line sub frame pendulum



**Center Line Sub Frame Pendulum**

# Operation

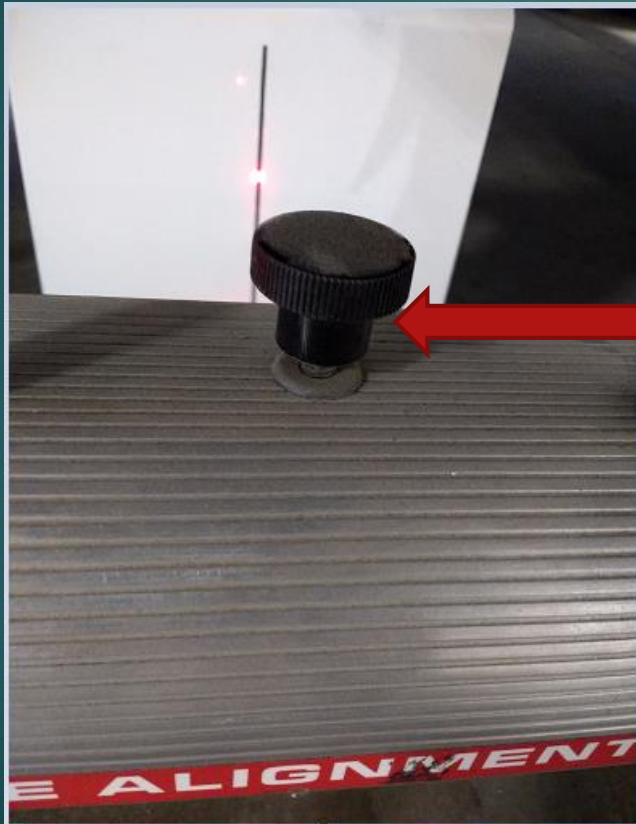
- ▶ Set laser bar on cradles
- ▶ Turn laser on
- ▶ Line up laser with slit in center line sub frame pendulum

**Laser Bar**



# Laser Height

- ▶ Adjust laser height by turning black nob



Laser Height Adjustment Nob

# Attach Pendulum

- ▶ Attach king pin pendulum
- ▶ Unlock and wait for it to stop swinging (centers itself)

**King Pin Pendulum**





# Find Center

- ▶ Line up laser with slit in both center line sub frame pendulum and king pin pendulum to find center



# Measure

- ▶ Use tram to measure distance between wheels on non adjustable side of back axel



# Make Adjustments

- ▶ Say its 1 inch off, adjust ½ inch and check the other side (adjusting one side has an effect on the other)
- ▶ Measure distance on adjustable side (drivers side) and find how much it is off and needs to be adjusted

**Adjustment Clamp**



# Tool Storage

- ▶ Turn off laser
- ▶ Set wheel cradles on the side of the cart that they came off
- ▶ Set pendulums back on rack
- ▶ Move cart somewhere it won't be damaged

# Training

Training Quiz



- ▶ <https://www.flexiquiz.com/SC/N/61dd37b1-0bf3-4960-b993-02ef3b0381a0>