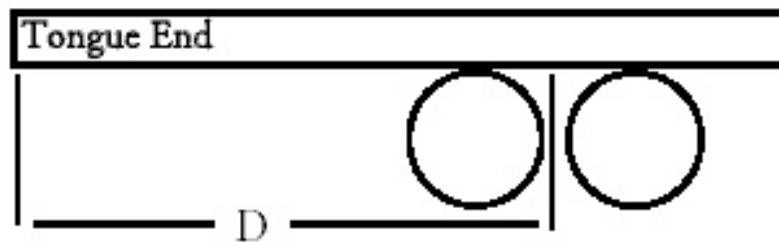


HOW TO DETERMINE CORRECT AXLE POSITION

1. Weigh the trailer (under wheels) "Wheel Weight"
 2. Obtain "Tongue Weight" (Actual)
 3. Measure distance from tongue to axle, or to center between Dual Axle Set (D)
 4. Determine Total Weight
- Total Weight = Tongue Weight + Wheel Weight



If tongue weight is greater than 10% of Total Weight, decrease distance D by X where

$$X = \frac{(\text{Tongue Weight} - 10\% \text{ Total}) \text{ Times } D}{\text{Total Weight}}$$

Example #1 - Tongue greater than 10% of Total Weight

$$\begin{aligned} \text{Tongue Weight} &= 1025 \# \\ \text{Wheel Weight} &= 7200 \# \\ D &= 264 \\ \text{Total Weight} &= 8225 \# \\ \% \text{ Tongue Weight} &= \frac{1025}{8225} = 0.1246 \text{ or } 12.5\% \\ X &= \frac{1025 - 822.5}{8225} \text{ Times } 264 = 6.499 \end{aligned}$$

Move the Axle(s) toward the Tongue of the trailer approximately 6.5"
New D = 264 - 6.5" = 257.5"

Example #2 - Tongue less than 10% of Total Weight

Tongue Weight = 300 #

Wheel Weight = 8200 #

D = 264 "

Total Weight = 8500 #

% Tongue Weight = $\frac{300}{8500} = 0.035$ or 3.5%

8500

X = $\frac{8500 - 300}{8500}$ Times 264 = 17

8500

Move the Axle(s) toward the Rear of the trailer approximately 17 "

New D = D + 17" = 264 + 7 = 281 "

