



Allowable maximum weight from the weight chart? **59,000 pounds**

Allowable steering weight by size = **15,360 #** steering weight by rating = **16,764 #**

Allowable gross weight from the gross weight chart for the **rear group = 43,500 pounds**

Axle weights **within the rear group?**

1<sup>st</sup> axle weight by size = **11,000 #** 1<sup>st</sup> axle weight by rating = **12,000 #** 2nd&3rd = **34,000 #**

Actual gross weight on the rear axle group = **43,500 #** (configuration of 45,000 exceeds weight chart)

Actual legal weight of the vehicle? **58,860 pounds**  
(steering + rear axles)

**Restricted Weights**

7 ton road? Steering = **14,000 #** Rear group = **37,444 # (11,000 + 26,444)**

8 ton road? Steering = **15,360 #** Rear group = **41,222 # (11,000 + 30,222)**

9 ton road? Steering = **15,360 #** Rear group = **43,500 # (note \* on Chart I)**

**10% Increase**

Maximum gross weight? = **64,900 pounds**

Steering axle? = **16,764 (size + 10% = 16,896 & went over rating)**

Rear axle group (chart with 10% increase)? **47,850 pounds**

(10%) axle weight increase within the rear group

1<sup>st</sup> axle weight by size = **12,100 #** 1<sup>st</sup> axle by rating? = **12,000 #** 2<sup>nd</sup> & 3<sup>rd</sup> axles = **37,400 #**

Actual increased total weight (above) on the rear group? **47,850 # (configuration went over 10% of the weight table)**

Actual 10% increased vehicle gross weight? **64,614 pounds (16,764 + 47,850)**

Registration increase?

Need a transportation permit?

**Note:** To convert millimeters (mm) to inches , divide mm by 25.4 = inches

$\frac{\text{mm}}{25.4} = \text{inches}$

example:  $\frac{325 \text{ mm}}{25.4} = 12.8 \text{ inches}$

**Also:** To convert kilograms (kg) to pounds; multiple by 2.2

example:  $3,810 \text{ kg} \times 2.2 = 8,382 \text{ lbs}$

