

sum moments for fwd hangers

t=tires (1/2 of one axle)	B=bag pressure (one bag)	Bf= bag force
20	1500	
40	3100	
60	4600	
80	6400	
100	7800	

$$\text{sum}=645 \cdot T - 1031 \cdot B = 0$$

$$T = 1031 \cdot B / 645 \cdot 4 - (\text{unsprung mass})$$

times 4 for the tandem suspension
 Tire load =
 unsprung mass is 10% of rated load
 $0.1 \cdot 40,000 = 4000 \text{ lb}$

Pressure on gauge, PSIG	Rear Ground Load, lbs	Rear Suspension Load, lbs
20	9591	5591
40	19821	15821
60	29411	25411
80	40920	36920
100	49872	45872

