

# Weight and Balance/Equipment List



## Angel Aviation

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Work Order: 465  
Date: 12/29/2022

<b>Registration #:</b>	<b>N3552E</b>	<b>Previous Weight Informaion</b>	
Serial:	17271584	Aircraft Gross Weight:	2400
Make:	Cessna	Previous Empty Weight:	1498.17
Model:	172N	Previous CG:	39.16
Tach/Hobbs:	3005.3	Previous Moment:	58,672.35

Aircraft Weighing			
Description	Weight	Arm	Moment
Right scale	619		
Left scale	630		
Nose scale (F)	498		
<b>Weight Sub-Total (W)</b>	<b>1747</b>	<b>39.8461</b>	<b>69611.125</b>

**Weight Calculation**

Nose wheel type aircraft with datum located forward of the main wheels:  
 $CG = D - [(FxL)/W]$

Items subtracted			
Description	Weight	Arm	Moment
Fuel, mains 40 gal	-240	48	-11520
<b>Removed Sub-Total</b>	<b>-240</b>		<b>-11520</b>

**Notes**

Weighed aircraft on wheels. Weighed with full oil and full fuel (all fuel subtracted from weight).  
 Datum is located: Firewall  
 Leveling means: Longitudinally with two screws left side tailcone  
 Mains distance in inches aft of datum (D): 58.375  
 Mains distance in inches aft of nose (L): 65

New Weight Information:			
Empty Weight	Empty Weight CG	Moment	Useful Load
1507	38.5475282	58,091.13	893

Mechanic Signature: \_\_\_\_\_

Cert #: \_\_\_\_\_  
 3604461 A/P

Date: \_\_\_\_\_  
 12/29/22