



# AVIATION SERVICES GROUP


P.O. Box 910192, St. George, UT 84791 LLC.  
435-674-1000 Fax: 435-628-9577 [aviation@uniboxservices.com](mailto:aviation@uniboxservices.com)

## N1948B Weight & balance

Gross weight	2800.0 lbs
Previous empty weight	1754.35 lbs
Previous CG	103.83 in
Previous moment	1821575.30

<b>New empty weight as weighed</b>	<b>1835.0 lbs</b>
<b>New CG</b>	<b>106.79 in</b>
<b>New moment</b>	<b>195,959.65</b>
<b>New useful load</b>	<b>965 lbs</b>

Brandon Sandstrom

  
AP 4010810  
August 16 2018



Aviation Services Group, LLC  
4196 S Airport Pkwy #52G  
St. George, Utah 84790  
(435)674-1000

## WEIGHT & BALANCE

Work Order: 14970  
Date: August 15, 2018

### Registration #: N1948B

Serial: 172RG0564  
Make: Cessna  
Model: 177RG  
Tach: 590.5

### Previous Weight Information

Aircraft Gross Weight: 2800.0  
Previous Weight: 1754.35  
Previous Arm: 103.83  
Previous Moment: 182157

### Items Removed

Item	Part Number	Serial Number	Weight	Arm	Moment
Attitude Gyro	IU149-006-1	A27871H	2.2	75.5	166.1
Auto Pilot Servo	1C508-1-378R	12841A	2.62	130.78	342.6436
Century IIB Attitude Amplifier	1B440		0.26	64.5	16.77
Century IIB Auto Pilot computer	13C659		1.2	75.5	90.6
Directional Gyro	IU262-004-15	A193366	2.6	75.5	196.3
Fuel flow transducer	700900-2	112060	0.27	50.0	13.5
fuel gauge	FL202D		0.3	75.0	22.5
Gage	C669504-0103		0.23	75.5	17.365
Gages	C669509-0103		0.25	75.5	18.875
GPS Antenna	011-00134-00	59057378	0.25	107.0	26.75
Man/Fuel Pressure Gage	6080-H38	55854	1.2	75.5	90.6
RPM Gage	C668020-0210	4030C	0.8	75.5	60.4
Suction Gage	C668509-0101	9421	0.1	75.5	7.55
Temperature Indicator	EGT-701-4C	14374	1.12	75.5	84.56
Vaccum pump	c431003-0101		1.0	50.0	50.0
<b>Removed Sub-Total</b>			<b>-14.4</b>		<b>-1207.0</b>

### Items Installed

Item	Part Number	Serial Number	Weight	Arm	Moment
EDC Module	edc-33p-4/6	203038	1.0	0.0	0.0
FUEL MODUAL	RFLM-4-12	203040	0.24	0.0	0.0
Fuel Pressure sensor	PT-30GA	010318F030	0.17	58.0	9.86
G5	011-03809-00	4JQ016917	0.54	75.5	40.77
G5	011-03809-00	4JQ01674	0.54	75.5	40.77
GAD 29B	010-01172-11	5DL002797	0.38	209.5	79.61
GMU 11	010-01788-01	56J006574	0.15	111.75	16.7625
Manifold Pressure Module	PT-30ABS	203039	0.24	0.0	0.0
Oil Pressure Sensor	PT-100GA		0.17	58.0	9.86
Servo	8100-064	18022011	3.4	261.0	887.4
Servo	8100-064	18022009	3.4	120.0	408.0
USB-6A	USB-6A	206061	0.46	0.0	0.0

Item	Part Number	Serial Number	Weight	Arm	Moment
WAAS Antenna	013-00235-00	150965	0.5	110.0	55.0
<b>Installed Sub-Total</b>			<b>11.19</b>		<b>1549.0</b>

**New Aircraft**

Empty Weight	Empty Weight CG	Moment	Useful Load
<del>1754.14</del>	<del>104.22</del>	<del>182499.0</del>	<del>1048.80</del>
<i>W&amp;B SUPERSEDED BY AS WEIGHED 8/16/18 AP 4010810</i>			

FOR AIRCRAFT LOADING, SEE INSTRUCTIONS IN AIRCRAFT FLIGHT MANUAL

Computed By: **Brandon Sandstrom**

  
(signature)

Certificate #: **4010810 A&P**