

### Aircraft Weight and Balance Revision

Tail Number: <b>N1436U</b>		Date: 12/02/2009		
Prepared by: R&D American Aviation LLC. 600 EE Kirby Main Hanger Grain Valley, MO 64029 816/847/5553		Work Order No:  Type Certificate Data No:		
Aircraft Make: Cessna	Model: 172M	Serial No: 17267103	Time: 1763.2 Tach	
Registered Owner: Colud One Flying Club Inc.		Address: 302 SW 9TH ST Blue Springs, MO 64015-4237		
Maximum Weight <b>2300</b>		CG Range FWD                      AFT		
As Received; Date of Previous Weight and Balance: 01/19/2008	<b>Useful Load:</b> 769.60	<b>EW:</b> 1530.40	<b>EWCG:</b> 45.04	<b>Moment:</b> 68976.95
Notes:				
		<b>Weight</b>	<b>Arm</b>	<b>Moment</b>
Installed Reiff engine pre heat system		1.20	-16.0	-19.20
		0.00	0.00	0.00
		0.00	0.00	0.00
		0.00	0.00	0.00
		0.00	0.00	0.00
		0.00	0.00	0.00
		0.00	0.00	0.00
		0.00	0.00	0.00
		0.00	0.00	0.00
		0.00	0.00	0.00
		0.00	0.00	0.00
		0.00	0.00	0.00
		0.00	0.00	0.00
		0.00	0.00	0.00
		0.00	0.00	0.00
<input checked="" type="checkbox"/> As Calculated	Moment <span style="float: right;">68957.75</span>	<b>New Empty Weight CG</b>		<b>New Useful Load</b>
<input type="checkbox"/> As Weighed	Weight <span style="float: right;">1531.60</span>	<b>45.02</b>		<b>768.40</b>
Signature <i>Rachel L. White</i>				
Repair Agency A&P3162074 or License No:				

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Prepared by: R&D American Aviation LLC. 600 EE Kirby Main Hanger Grain Valley, MO 64029 816/847/5553		Work Order No:		
		Type Certificate Data No:		
Aircraft Make: Cessna	Model: 172M	Serial No: 17267103	Time: 2364.9	
Registered Owner: Colud One Flying Club Inc.		Address: 302 SW 9TH ST Blue Springs, MO 64015-4237		
Maximum Weight <b>2300</b>		CG Range FWD AFT		
As Received; Date of Previous Weight and Balance: 02/14/2007	<b>Useful Load:</b> 761	<b>EW:</b> 1539	<b>EWCG:</b> 44.66	<b>Moment:</b> 68731.85
Notes:				
		<b>Weight</b>	<b>Arm</b>	<b>Moment</b>
Removed MZ4222R starter		-18.0	-28.5	513.00
Installed Sky-Tec NL-149 starter		9.4	-28.5	-267.90
		0.00	0.00	0.00
		0.00	0.00	0.00
		0.00	0.00	0.00
		0.00	0.00	0.00
		0.00	0.00	0.00
		0.00	0.00	0.00
		0.00	0.00	0.00
		0.00	0.00	0.00
		0.00	0.00	0.00
<input checked="" type="checkbox"/> As Calculated <input type="checkbox"/> As Weighed		Moment <u>          </u> 68976.95 Weight <u>          </u> 1530.40	<b>New Empty Weight CG</b>  <div style="text-align: center; font-weight: bold; font-size: 1.2em;">45.07</div>	
		<b>New Useful Load</b>  <div style="text-align: center; font-weight: bold; font-size: 1.2em;">769.60</div>		
Signature				
Repair Agency or License No: A&P3162074				

*SUPERCEDED  
12/02/2009*

EQUIPMENT CHANGE - WEIGHT & BALANCE			
REG. NO.	MODEL	Serial No.	
N1436U	C172M	17267103	
Items: (Description / P/N / S/N)	Weight Pounds	Arm Inches	Moments Inch/Pounds
Previous Aircraft Empty Weight:	0	0	0
Aircraft reweight this date with full fuel with wheels on floor scales- interior refurbished and aircraft had been repainted. Wheel pants were reinstalled and new wheels and brakes installed. see log for details, Arms determined in accordance with section 6 page 6-3 paragraph (4)			0
Nose scale indication	458	-6.75	-3091.5
Left Main scale indication	651	56.75	36944.25
Right main scale indication	658	56.75	37341.5
Less usable fuel	-228	10.8	-2462.4
			0
			0
			0
			0
<b>Totals</b>	<b>1539</b>		<b>68731.85</b>
(User records the weight & balance info from his current records.)			
A. Old Empty Weight		1449.3	Pounds
B. Old Empty CG		39.31	Inches
C. Old Empty Weight CG Moment		59465.38	Inch/Pounds
D. Max Gross Weight		2300	Pounds
E. Old Useful Load		850.7	Pounds
(The new values are automatically calculated and the results shown below.)			
A. New Empty Weight		1539	Pounds
B. New Empty CG		44.66007	Inches
C. New Empty Weight CG Moment		68731.85	Inch/Pounds
D. Max Gross Weight		2300	Pounds
E. New Useful Load		761	Pounds
<b>This new weight &amp; balance information supersedes all previous weight and balance data.</b>			
<b>For aircraft loading, see instructions in Weight &amp; Balance Section of Aircraft Flight Manual.</b>			
FAA Form 337 Completed?	n		
Equipment List Amended?	y		
Steve Mooney 489507862A&P	<i>Steve Mooney</i>	Date:	2/14/2007

SUPERSEDED

01/19/2008