

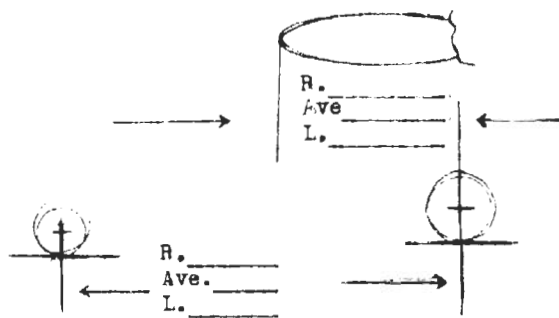
FORNEY MANUFACTURING COMPANY

WEIGHT AND BALANCE

ERCOUPE MODEL 415-G Date of Manufacture \_\_\_\_\_

N.C. \_\_\_\_\_ Engine No. \_\_\_\_\_

Serial No. \_\_\_\_\_



Position	Weight Data	
	Actual	Net Computed
Rear R.		
Rear L.		
Nose		
<b>TOTAL</b>		

Useful Load \_\_\_\_\_ #  
 Empty Weight Horizontal C.G. \_\_\_\_\_  
 \_\_\_\_\_ Aft L.E.W.  
 \_\_\_\_\_ Aft Datum

Datum is Firewall  
 L.E.W. is 15.75 aft datum

Extreme C. G. Positions						
Forward C.G.				Rearward C.G.		
	Weight	Arm	Horizontal Moment	Weight	Arm	Horizontal Moment
Empty Weight Computed						
Pilot	170	37	6290	170	37	6290
Gasoline - Fuselage Tank	36	7	252	36	7	252
Gasoline - Wing Tank R.	54	25	1350	36	25	900
Gasoline - Wing Tank L.	54	25	1350		25	
Oil	8	-14	-112	8	-14	-112
Passenger		37		170	37	6290
Baggage					57	
<b>TOTAL</b>						
H.C.G. inches aft ref.						
H.C.G. %MAC						

L.E.M.A.C. is 16.6 aft of datum Approved C.G. Limits F'w'd. 26.1" aft ref.  
 M.A.C. is 57.1 inches R'w'd. 30.3" aft ref.

BAGGAGE ALLOWANCE	
1. Pilot and no passenger . . . . .	65
2. Pilot and passenger (max. fuel). . . . .	0
3. Pilot and passenger (min. fuel). . . . .	42
4. Max. Baggage Never to Exceed . . . . .	65
5. Minimum Fuel . . . . .	12 gal

Approved by \_\_\_\_\_ Weight and Balance Engineer

Verified by \_\_\_\_\_ Inspector for the Authority

EQUIPMENT LIST

Ercoupe Model 415-C

STANDARD - Installed on all Airplanes:

<u>Item</u>	<u>Make and Model</u>	<u>Unit Wgt. #</u>	<u>Arm"</u>
1. Engine	Continental C-75-12F	165.81	-22
2. Propeller	Sensenich	11.00	-32.5
3. Carburetor	Stromberg NAS 3A1	2.60	-19
4. Air Filter	Heath #100 Modified as per 415-40513	2.41	-21.5
5. Magnetoes	Eisemann IA-4	7.00	-8.00
6. Fuel Pump or	AC#1523843	1.703	-27.38
7. Fuel Pump	AC#1539076	1.703	-27.38
8. Fuel Strainer	AC#1705042	.531	-16.50
9. Muffler	ERCO 415-40517	4.13	-2.25
10. Master Brake Cylinder	Scott #4350 Modified as per 415-33449	.825	3.81
11. Wheels - Main	Goodyear PD 280 (6.00 x 6)	2.813	44
12. Brakes	Goodyear	1.344	44
13. Wheel - Nose	ERCO 415-34113	2.50	-16
14. Tires - Main	Schenuit 6.00 x 6 2 ply	5.75	44
	4 ply	6.63	
15. Tire - Nose	Schenuit 5.00 x 4 4 ply	4.88	-16
16. Tubes - Main	Schenuit 6.00 x 6	2.00	44
17. Tube - Nose	Schenuit 5.00 x 4	1.08	-16
18. Navigation Light -Wing	Grimes Model "C" ATC #20	.469 ea.	37.13
19. Navigation Light -Tail	Grimes Model "C" ATC #20	.425	201.88
20. Master Switch	AN-302302	.200	56.25
21. Control Wheel	Decker #1020-ATC160	.926	27.75
22. Spinner	ERCO 415-40498	.460	-92.5
23. Junction Box	Aircraft-Marine Products #40099	.046	52.25
24. Instrument Panel		13.6346	21.63

SPECIAL:

<u>Item</u>	<u>Make and Model</u>
1. Starter	

SPECIAL:

<u>Item</u>	<u>Make and Model</u>	<u>Unit Wgt.#</u>	<u>Arm</u>	<u>Installed on This Airplane?</u>
1. Starter	Delco-Remy #1109656	13.58	-7	
2. Generator	Delco-Remy #1101876	9.77	-8	
3. Battery	Reading R24L	24	55	
4. Voltage Regulator	Delco-Remy CE x 43424	1.5	50	
5. Sunshade	ERCO 415-53058	2.56	42	