

WEIGHT & BALANCE

Date: 01/16/2017

Supersedes weight and balance computations dated 06/06/2009.

DG-500 ELAN Orion

N141PS

S/N: 5E186X36

Equipment*

Removed the following equipment:

Installed the following equipment:

Borgelt B-50 Variometer	Winter Variometer 57mm
Cambridge 302	LXNAV 8080
Cambridge 303	V8 Variometer
Borgelt B40 Variometer	Winter Variometer 80mm
Borgelt B-40 Repeater	i8 Indicator

*Weight and Balance change negligible (ounces).

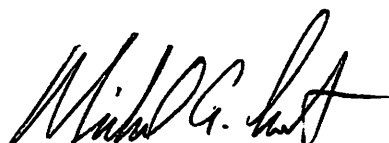
Limits

Datum: Wing leading edge at the root rib.
Forward CG: 7.28 in.
Aft CG: 18.90 in.
Empty Weight CG: 29.55 in.
Empty Weight: 977.0 lbs.
Maximum Weight: 1653.0 lbs.

Reference Data (DG-505 Flight Manual Section 6)

	Weight (lbs)	Arm (in.)	Moment (in/lbs)
Glider	977	29.55	28,871
Forward Ballast		-75.59	
Front Seat		**	
Rear Seat		**	
Baggage		12.20	
Wing Waterballast		9.57	
Fin Ballast Tank A		198.11	
Fin Ballast Tank B		203.15	

**See Flight Manual 6.9 C.G. Calculations



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