

MIDWEST SAILPLANE

MODELS: Midwest MU-1 Glider, 1 POLM

T.C. NUMBER: G.T.C. 16 (Approved 10/13/44)

Type	Class I
Airspeed limits	Glide or dive - 80 mph True Ind. Airplane tow - 80 mph True Ind. Auto-winch tow - 50 mph True Ind.
C.G. range	(+16.0) to (+19.2)
Datum	Leading edge of wing
Leveling means	Top longeron 9 in. either side of station 93
Maximum weight	513 lbs.
No. seats	1 (-13)
Control surface movements	Elevator Up 23 degrees Down 20 degrees Aileron Up 27 degrees Down 18 degrees Rudder Right 29 degrees Left 33 degrees Tab (Elevator) (See NOTE 1)
Serial Nos. eligible	5 and up (See NOTES A and B)
Required equipment	Items 201, 401, and 601 (See NOTE 1)

Specifications Pertinent to All Models:

Certification basis	Glider Type Certificate No. 16
Production basis	None (See NOTES A and B)

Landing Gear		
201. Wheel (Midwest Drawing B-20)	7 lbs.	(+19)
Interior Equipment		
401. Airspeed indicator	1 lb.	(-22)
Miscellaneous (not listed above)		
601. Ballast (See NOTE 1)	First 20 lbs. (-52) or next 20 lbs. (-55)	

NOTE A. Prior to original certification, each glider must satisfactorily pass:

- (a) An inspection for workmanship, materials and conformity before any covering or final finish is applied. All woodwork may be varnished.
- (b) A final inspection of the completed glider.
- (b) A check of flight characteristics.

NOTE B. Gliders of this model built by Motorless Flight Institute, Chicago, Illinois, are also eligible subject to the provisions of NOTE A.

NOTE 1. The following placard must be installed in full view of the pilot (see Item 601):

Pilot Weight (lbs.)	Tab setting	Ballast (lbs.)
111 or less	30 degrees down	40
112 - 133	20 degrees down	20
134 - 155	30 degrees down	20
156 - 188	20 degrees down	None
189 - 207	30 degrees down	None