United States of America

Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

Number SA712NW

This certificate, issued to Paul A. Nyenhuis

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 4a *of the* Civil Air *Regulations.*

Original Product — Type Certificate Number: A-766

Make: Universal Aircraft

Model: Globe GC-1B

Description of Type Design Change: Installation of Continental TSIO-360-A engine and McCauley D2A34C67/76C-2 propeller in accordance with Paul Nyenhuis photographs 1 through 5.

Limitations and Conditions: Data pertaining to this modification are considered inadequate for duplication in other aircraft. This approval is limited to the installation in Universal Globe GC-1B, Serial Number 2191 only. A copy of this Certificate and Addendum number SA712NW shall be maintained as a part of the permanent records for the modified aircraft.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: February 16, 1973

Date reissued: March 6, 1985

Date of issuance: May 31, 1979

Date amended:

By direction of the Administrator

(Signature)

Manager, Seattle Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding $1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.

FAA Form 8110-2 (10-68)

United States of America
Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

May 31, 1979 *Number* SA712NW

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA712NW

The conditions and limitations of Type Certificate Data Sheet No. A-766 apply except where superseded by the following:

This Supplemental Type Certificate Addendum, which is part of the STC SA712NW, prescribes the conditions and limitations under which the product for which the STC was issued meets the airworthiness requirements of the Civil Air Regulations. A copy of this STC Addendum is required to be maintained as part of the permanent records for the modified aircraft.

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: Paul A. Nyenhuis

I. UNIVERSAL GLOBE GC-1B (NORMAL CATEGORY) AS MODIFIED BY STC SA712NW

Engine:	Continental TSIO-360-A
Engine Limits:	195 Hp at 2800 rpm and 32.0" Hg at 20,000 ft. critical altitude 210 Hp at 2800 rpm and 32.0" Hg at sea level maximum continuous and 5 min. full throttle
Oil Pressure:	Normal - 30 - 60 psig Idle - 10 psig Maximum - 100 psig (cold oil)
Fuel:	100/130 aviation gasoline
Maximum Temperatures:	Cylinder Head Bayonet: 460°F Oil Inlet: 240°F Fuel temperature rise from tank to pump inlet: +10°F (at +100°F tank)
Maximum Induction Temperature:	Take-off and maximum continuous power: 240°F
Propeller and Propeller Limits	McCauley D2A34C67/76C-2 Take-off and maximum continuous Hp: 225 Hp at 2800 rpm Diameter: 76" maximum; 74" minimum

Any alteration of this certificate is punishable by a fine of not exceeding $1,000, or imprisonment not exceeding 3 years, or both.

FAA FORM 8110-2-1 (10-69) *This certificate may be transferred in accordance with FAR 21.47.*

Airspeed Limits:	Same as Data Sheet A-766
Control Surface Movements:	Same as Data Sheet A-766
Weight and C. G. Limits:	Same as Data Sheet A-766

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