United States of America

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA1191NW

This certificate, issued to Kenmore Air Harbor, Inc.

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 3 *of the* Civil Air *Regulations*, November 1, 1949, as amended by 3-1 through 3-12.

Original Product—Type Certificate Number: 3A12

Make: Cessna

Model: 172N

Description of Type Design Change: Installation of Edo model 689-2130 seaplane floats and associated systems in accordance with Edo Drawing No. 689-1100 (Sheet 1 & 2)

NOTE: This installation is approved for a gross weight of 2220 pounds maximum only.

Limitations and Conditions: Data pertaining to this modification are considered inadequate for duplication in other aircraft. This approval is limited to the installation in Cessna 172N, Serial Number 17270007 only. This approval is intended for the installation in the above aircraft with a Lycoming O-320-E2D engine (150 Hp @ 2700 rpm) in accordance with Kenmore Air Harbor, Inc. STC SA1119NW. A copy of this Certificate and Addendum No. SA1191NW shall be maintained as 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: March 10, 1981

Date of issuance: March 11, 1981

Date reissued:

Date amended:

By direction of the Administrator

Charles C Schroeder

(Signature)

Acting Chief, Seattle Area 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)

March 11, 1981 *Number* SA1191NW

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA1191NW

The conditions and limitations of the original Type Certificate No. 3A12 apply except as follows:

This Addendum, which is part of Supplemental Type Certificate No. SA1191NW, prescribes the conditions and limitations under which the STC was issued meets the airworthiness requirements of the Civil Air Regulations.

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: Kenmore Air Harbor, Inc.

I. CESSNA 172N, 4PCLM (NORMAL CATEGORY) AS MODIFIED BY STC SA1191NW

Engine:	Lycoming 0-320-E2D
Fuel:	80/87 minimum grade aviation gasoline
Engine Limits:	For all operations: 2700 rpm (150 Hp)
Propeller and Propeller Limtis:	McCauley 1A175/ETM8042 (Seaplane Only) Static rpm: Not over 2545, not under 2445 Diameter: Not over 80", not under 78.4" Spinner: Drawing 0550320
C. G. Range:	Same as Type Certificate Data Sheet 3A12
Maximum Weight:	2220 pounds (Same as TCDS 3A12)
Serial Number Eligible:	17270007 only
Equipment:	Cessna Pilot's Operating Handbook for Cessna 172M must be maintained in the airplane at all times.

NOTE 1: Current weight and balance report including list of equipment in the certified empty weight must be in the aircraft.

NOTE 2: In addition to the Placards and Markings required by Type Certificate Data Sheet 3A12, Note 2, apply the following:

a. Adjacent to the fuel filler cap:

80/87 OCTANE MINIMUM

b. Adjacent to or in close proximity to the aircraft identification plate:

LYCOMING E-320-E2D INSTALLED PER KENMORE AIR HARBOR, INC. STC SA1119NW

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.*

C FAA AC 73-2651

NOTE 2: Placards (continued)

c. The following placard is to be in front and in full view of the pilot:

LYCOMING O-320-E2D INSTALLED PER KENMORE AIR HARBOR, INC. STC SA1119NW. CESSNA 172M PILOT'S OPERATING HANDBOOK APPLIES.

NOTE 3: With the described engine and propeller installation, performance will be at least equal to or better than that given in the original FAA Approved Airplane Flight Manual for the Cessna 172M airplane.

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