

Department of Transportation — Federal Aviation Administration
Supplemental Type Certificate

Number SA90NW

This certificate, issued to Ronald W. Flinchbaugh
 8625 Curaw Road
 Tacoma, WA. 98499

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, effective 11 August 1971.

Original Product — Type Certificate Number: 1A9
Make: Taylorcraft
Model: 19

Description of Type Design Change:

Installation of a Continental O-200-A engine, McCauley 1A100 MCM/6950 propeller, Cessna 150 exhaust system (0450400-21 and -22), Photo (1) through (6), Cessna 150 oil cooler (8526250-84068), Photo (7) and (8), and engine cowling in accordance with Photo (9) through (14).

Limitations and Conditions:

Data pertaining to this modification are considered inadequate for duplication in other aircraft. This approval is limited to the installation in Taylorcraft BC12-D, Serial Number 9052 only, converted to Model 19 as described by Taylorcraft drawings through Gilberti Aviation STC SA1-210. A copy of this Certificate, Addendum SA90NW, and STC SA1-210 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: February 7, 1973

Date issued:

Date of issuance: February 26, 1974

Date amended:



By direction of the Administrator

Charles C. Schneider
 (Signature)

Chief, Engineering and Manufacturing Branch
 (Title)

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

United States of America
Department of Transportation—Federal Aviation Administration
Supplemental Type Certificate

(Continuation Sheet) February 27, 1974

Number SA90NW

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA90NW

The conditions and limitations of Type Certificate Data Sheet Number 1A9 apply except where superseded by the following:

This Supplemental Type Certificate Data Sheet, which is part of STC SA90NW prescribes the conditions and limitations under which the product for which the STC was issued meets the airworthiness requirements of the Federal Aviation Regulations.

Supplemental Type Certificate Holder: Ronald W. Flinchbaugh

I. MODEL 19, 2PLM (NORMAL AND UTILITY CATEGORY) AS MODIFIED BY STC SA90NW

Engine: Continental O-200-A

Fuel: 80/87 Minimum Grade Aviation Gasoline

Engine Limits: For all operations, 2750 RPM (100 HP)

Propeller and
Propeller Limits: McCauley 1A100-MCM/6950
Diameter Limits:
Maximum: 69 in.
Minimum: 67 in.

Airspeed Limits: Same as shown for Model 19

C.G. Range: Same as shown for Model 19

Maximum Weight: 1500 pounds

Serial Number Eligible: 9052 only.

Powerplant Instrument
Markings: Tachometer: Green Arc to 2750 rpm
Tachometer: 2750 rpm (100 hp) (Red Line)
Cylinder Head Temperature: 525°F (Red Line)
(Washer Thermocouple on cylinder #2)
Oil Temperature Gage: 225°F (Red Line)

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