

7/19/82

Department of Transportation — Federal Aviation Administration
Supplemental Type Certificate

Number SA566NW

This certificate, issued to U. S. Forest Service

*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 * of the * Regulations.*

Original Product — Type Certificate Number:

Make:

Model:

*See attached Master Eligibility List (MEL) No. SA566NW for list of approved aircraft models and applicable airworthiness regulations.

Description of Type Design Change: Installation of a Parachute Deployment Static Line Attachment System in accordance with U.S. Forest Service Specification and Installation Instructions; and Drawing MEDC-617, Sheets 1 and 2.

NOTE: The static line and anchors are attached to the Beech (Aeroquip) R.H. Seat track.

Limitations and Conditions: The approval of this change in type design applies basically to the above model aircraft only. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate, Addendum No. SA566NW and MEL No. SA566NW 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: January 25, 1978

Date reissued:

Date of issuance: March 27, 1978

Date amended: July 14, 1982



By direction of the Administrator

Mark E. Baldwin

Mark E. Baldwin, (Signature) Chief,
Denver-Aircraft Certification Field Office
Northwest Mountain Region, Aurora, Colorado
(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.

United States of America
Department of Transportation—Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet) July 14, 1982

Number SA566NW

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA566NW

The conditions and limitation of Type Certificate Data Sheet Nos 3A20, A14CE and A24CE apply except where superseded by the following:

This Supplemental Type Certificate Data Sheet, which is part of STC SA566NW, 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: United States Forest Service

I. BEECH MODEL SERIES 90, 99,100 AND 200 AS MODIFIED BY STC SA566NW

Airframe: No change

Engines: No change

Performance: No change

Limitations: No change

Placards: The following PLACARDS must be located near the Cargo Door that reads:

- (1) THE MAXIMUM ALLOWABLE LOAD ON THE STATIC LINE ATTACH CABLE IS 2420 POUNDS IN A TYPICAL PARACHUTE DEPLOYMENT CONFIGURATION
- (2) THE CABLE STOP MUST BE ADJUSTED ALONG THE LENGTH OF THE CABLE SO THAT THE PARACHUTE DEPLOYMENT BAG CANNOT TRAIL AFT OF THE HORIZONTAL STABILIZER

NOTE: A determination was made that Supplemental Type Certificate SA566NW does not effect aircraft performance; therefore, no Airplane Flight Manual Supplement change was deemed necessary.

-END-

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

APPROVED

MASTER ELIGIBILITY LISTING NUMBER SA566NW

FOR

PARACHUTE DEPLOYMENT STATIC LINE ATTACHMENT SYSTEM

U.S. FOREST SERVICE

DATE: March 27, 1978

TEM	AIRCRAFT MAKE	AIRCRAFT MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	FAA SEALED DRAWING/DRAWING LIST		AFM SUPPLEMENT NUMBER/DATE	MEL AMENDMENT DATE
					NUMBER	REV.		
I	Beech	65-90, 65-A90, 65-A90-1, 65-A90-2, 65-A90-3, 65-A90-4, B90, C90, E90	3A20 (Rev.32)	CAR 3 eff. May 15, 1956 w/Amendments (See T.C. 3A20 page 24 for details)	U.S. Forest Service Dwg. No. MEDC-617 (Sheets 1 & 2)			
II	Beech	99, 99A, A99, A99A, B99, 100, A100, A100A, A100C, B100	A14CE	Part 23, dated 2/11/65 w/Amendments (See T.C. A14CE, page 15 for details)				July 14, 1982
III	Beech	200, A200, 200T	A24CE	Part 23, dated 2/1/65 w/Amendments (See T.C. A24CE, Page 6 for details)				
IV	Beech	H18, E18S, C-45G, C-45H	A-765	CAR 03, 11-13-45 CAR 3, 11-1-49 as amended by 3-14	U.S. Forest Service Dwg. No. MEDC-617, Sheets 1 and 2			April 12, 1979

SPECIFICATION AND INSTALLATION INSTRUCTION
FOR SMOKEJUMPER STATIC LINE ANCHOR CABLE FOR
BEECHCRAFT MODELS 90, 99, 100, AND 200 SERIES AIRCRAFT

Part	Load
Static Line Anchor Cable	2420# <u>1/</u>

1/ Load applied in a typical parachute deployment configuration with static line routed through the carabiner on the rear anchor.

Parts are fabricated as illustrated in drawing MEDC-617 sheets 1 and 2. All welding is by the arc process. Assembled anchor units are installed in the aircraft right hand seat track with the one using Part 24, side brace, placed opposite the door used for jumper deployment. Cable length between anchors shall be of adequate length to allow all jumpers to attach their deployment static line without having to move aft in the cabin. This will facilitate emergency evacuation. The cable assembly shall be installed with 4 inches of slack measured in extreme spread. Part #18 the cable stop must be adjusted along the length of the cable so the parachute deployment bag cannot trail aft of the horizontal stabilizer.

All assemblies fabricated from steel are to be painted with zinc chromate P-27 or equivalent corrosion protecting prior to installation in the aircraft.

Amended July 14, 1982