

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

Number SA1908CE

This certificate, issued to National Ballooning Ltd.
Rural Route 4
Indianola, Iowa 50125

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 31 of the Federal Aviation

Regulations: effective July 1, 1964, plus the amendments and special conditions listed in the Type Certificate Data Sheet.

Original Product — Type Certificate Number: A1450

Make: The Balloon Works (Barnes)

Model: Firefly 5, Firefly 6, Firefly 6B, Firefly 7, Firefly 7B, Firefly 8-24 and Firefly 8B.

Description of Type Design Change:

Installation of a National Ballooning Model 752-12 envelope on The Balloon Works 4.0 or 4.5 size basket, with T3-017 burner, per National Ballooning Drawing Lists 75212S dated February 11, 1983, and 75212 dated March 4, 1985, and stamped "FAA Approved" on October 8, 1985, or later, plus Balloon Flight Manual (BFM) Supplement dated October 8, 1985.

Limitations and Conditions:

1. See National Ballooning (BFM Supplement dated October 8, 1985, for altitude and airspeed restrictions. 2. This approval should not be extended to other specific balloons 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 balloon. 3. Approval of this STC is not authority to produce parts.

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: September 10, 1982

Date issued:

Date of issuance: October 8, 1985

Date amended:



By direction of the Administrator

Original Signed By

Robert A. Gambrill, Jr.
(Signature)

Robert A. Gambrill, Jr., Manager
Wichita 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.