

SCHWEIZER MODEL 269C SERIES HELICOPTERS  
CSP-C-1G

SCHWEIZER AIRCRAFT CORP.

Supplement to the Approved  
Rotorcraft Flight Manual

For

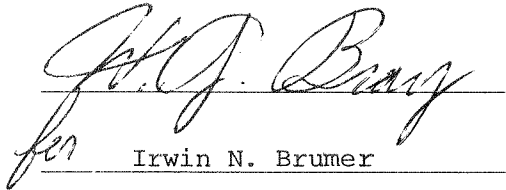
300C Model 269C Helicopters

(See Page 2 for Serial Number Effectivity)

CARGO HOOK INSTALLATION KIT

PART NO. 269A4971

Reissue #1 Approved By:

  
Irwin N. Brumer

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New York Aircraft Certification Office

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FAA APPROVED  
ROTORCRAFT FLIGHT MANUAL SUPPLEMENT  
CARGO HOOK INSTALLATION KIT  
PART NO. 269A4971  
FOR  
300C MODEL 269C HELICOPTERS

HELICOPTER SERIAL NO. EFFECTIVITY  
269C Serial No. 0004 and subsequent

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NOTE

The change bar ( █ ) defines the latest FAA Approved changes.

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**CONFIGURATION TABLE**

Number Change	Date	Description
	Issued 23 Mar 1976  Reissued 21 Sep 1988	Per Drawing No. 269A4971  Updated to reformat

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## INTRODUCTION

The 269A4971 Cargo Hook Installation Kit consists of a cargo hook which attaches to the landing gear cross beams by four cables. It utilizes an electrical and (emergency) mechanical cargo release.

When installed, the kit will permit the owner or operator, holding a valid Rotorcraft External Operator Certificate, to utilize the helicopter for transportation of external cargo, for compensation or hire. Operations with cargo on the hook shall be conducted in accordance with applicable portions of FAR Part 133.

Information provided in this supplement is presented with the intent of furnishing important data that can be used in conjunction with the approved RFM in preparing the Rotorcraft-Load Combination Flight Manual. The Combination Flight Manual, which is required by FAR Part 133, will be prepared by the applicant to obtain the Rotorcraft External Load Operator Certificate.

The helicopter meets the structural and design requirements of CAR 6, providing the data contained in this supplement are included in and imposed by the Combination Flight Manual.

Operation under FAR 91 can be conducted with the cargo hook installed, providing cargo is not being transported and the cargo hook is in stowed position.

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Operation with an external load is not compatible with the 269A4153, -3 or -5 Dispersal Ag Kit.

This supplement must be carried in the FAA Approved Basic 300C Model 269C Rotorcraft Flight Manual, when the Rotorcraft is modified by the installation of the cargo hook kit in accordance with the applicable installation instructions.

Except as modified by the Rotorcraft Flight Manual Supplement, operation in compliance with Section I of the Basic Approved Rotorcraft Flight Manual is mandatory. Other sections of the RFM or supplement are recommended procedures.

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SECTION I

OPERATING LIMITATIONS

1-1. WEIGHT LIMITATIONS

- a. Maximum operating gross weight 2150 pounds (Configuration "c") for other configurations the basic RFM weight limitations apply.
- b. Maximum takeoff and landing gross weight 2050 pounds (Configuration "c"), weight in excess of 2050 pounds must be external and jettisonable.
- c. Cargo hook allowable load limit is 850 pounds.

1-2. AIRSPEED LIMITATIONS

- a. With hook loaded maximum Vne 72 mph IAS at sea level to 3000 feet pressure altitude. Above 3000 feet reduce Vne 8 mph per 1000 feet of altitude. Vne may be limited by controllability as determined by size and shape of the cargo load. Vne shown is with "dense" load.

1-3. PLACARDS

- a. Make placard stating approved load class(es) and occupancy limitations and conspicuously display in the cabin.
- b. Post placard stating: "Maximum Load 850 lb" on the cargo attaching hook.

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SECTION II

OPERATING PROCEDURES

2-1. NORMAL OPERATION

- a. Check CARGO HOOK and TRIM circuit breakers, IN.

Note: Trim circuit breaker is used for the hook relay.

- b. Apply collective smoothly when lifting cargo.

Note: Rapid control inputs result in oscillations of load - avoid rapid inputs.

- c. Actuate cargo release switch on cyclic grip to release cargo.

2-2. EMERGENCY RELEASE

- a. Pull mechanical release handle to release cargo in the event of an electrical failure.

Note: Ground support personnel should manually assure positive reset of the mechanical release mechanism of the cargo hook prior to further cargo pickups.



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2-3. STATIC ELECTRICAL DISCHARGE

- a. Instruct ground crew to ensure that the helicopter has been electrically grounded prior to attaching cargo to discharge static electricity. If possible maintain grounding contact until hookup is completed.

SECTION III

PERFORMANCE

- 3-1. Figure 3-1 provides hover ceiling data at 6-foot skid height to assist in planning operations with the cargo hook.
- 3-2. Figure 3-2, Airspeed Calibration Curve, no longer required.
- 3-3. No other performance data are available for the rotorcraft with an external load attached.

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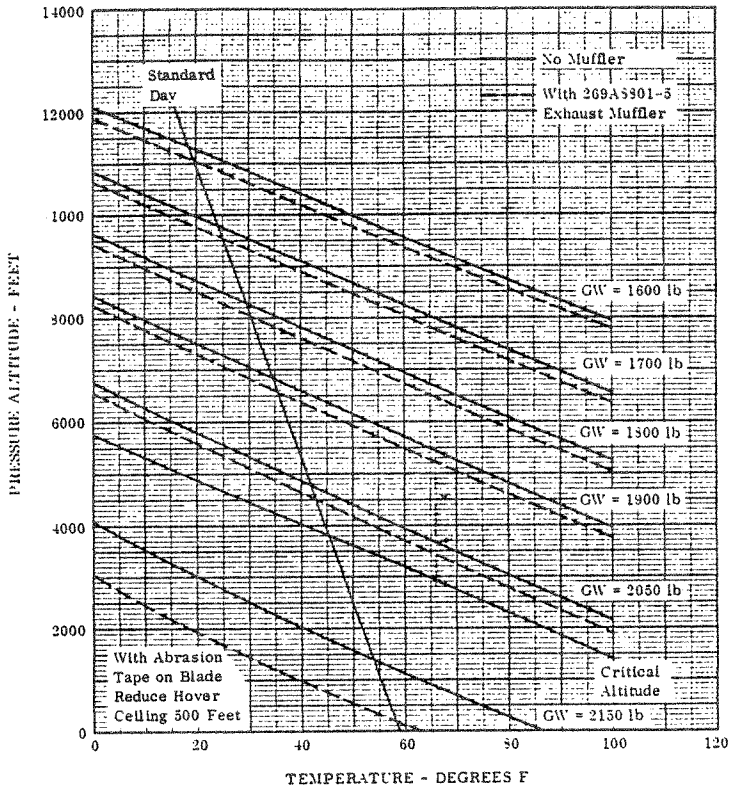


Figure 3-1. In Ground Effect Hover Ceiling Versus Temperature  
(6-foot skid height, 3200 rpm)

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SECTION IV

WEIGHT AND LOADING

- 4-1. The following information can be used in conjunction with the Helicopter Owners Manual to determine helicopter weight and center of gravity.

<u>Item</u>	<u>Weight</u>	<u>Arm</u>
Cargo Hook Kit	8.5	80.0
Hook Load		100.0

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