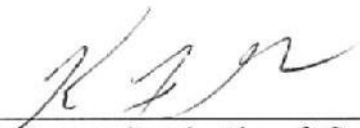


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**FAA APPROVED  
ROTORCRAFT FLIGHT MANUAL  
SUPPLEMENT**

**Cargo Hook Kit  
for the  
Bell 204B, 205A, 205A-1, 212,  
412, 412EP, 412CF**

R/N \_\_\_\_\_ S/N \_\_\_\_\_

FAA Approved:   
*for* Manager, Seattle Aircraft Certification Office  
Date: 5/14/13  
Revised:



Rotorcraft Flight  
Manual Supplement  
Cargo Hook Kit

Document Number 121-020-00	
Page 1 of 8	Rev. 1

## Introduction

This supplement must be attached to the appropriate FAA approved Rotorcraft Flight Manual when an Onboard Systems 200-246-00 Cargo Hook Kit is installed in accordance with Supplemental Type Certificate (STC) NO. SR00699SE. The information contained herein supplements or supersedes the basic manual only in those areas listed herein. For limitations, procedures and performance information not contained in this supplement, consult the basic Rotorcraft Flight Manual and Supplement for External Cargo Operation issued by Bell.

The P/N 200-246-00 cargo hook kit is a replacement cargo hook kit which includes the cargo hook and a bumper. The kit uses the rotorcraft's existing cargo hook suspension and fixed provisions including the internal electrical release system and the manual release system.

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## Section 1 Limitations

The basic Flight Manual and Supplement for External Cargo Operation issued by Bell remain applicable.

The external load limit is the lesser of that specified by the Supplement for External Cargo Operation issued by Bell for your particular rotorcraft model or 5,000 pounds (2267 kg).

With a load attached to the cargo hook, operation shall be conducted in accordance with the respective national operational requirements. For U.S. operators FAR Part 133 is applicable.



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## Section 2 Normal Procedures

Before a flight involving external load operations perform the following procedures. If the procedures are not successful do not use the equipment until the problem has been corrected.

**NOTICE**

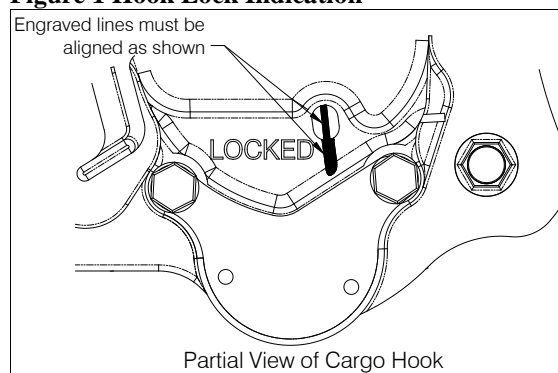
*The cargo hook suspension system interfaces with the rotorcraft's internal manual and electrical release systems as supplied by Bell. Consult the Supplement for External Cargo Operation issued by Bell for operation of these systems.*

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## Section 2 Normal Procedures continued

- 1) Visually check all fasteners to ensure that they are tight.
- 2) Visually check the electrical connectors for damage and security.
- 3) Visually check the cargo hook case and covers for cracks and damage.
- 4) Visually check the load beam for gouges and cracks.
- 5) Cycle the manual release mechanisms to ensure proper operation. When the manual release pedal is depressed, the load beam should fall to the open position. Manually push up on the load beam and verify that it latches and the hook lock indicators are aligned.
- 6) Cycle the electrical release mechanisms to ensure proper operation. When the CARGO RELEASE button is pushed, the load beam should fall to the open position. Manually push up on the load beam and verify that it latches and the hook lock indicators are aligned as shown in Figure 1.

**Figure 1 Hook Lock Indication**



- 7) Visually check the bumper ring for damage.

## Section 2 Normal Procedures continued

### Cargo Hook Rigging

Extreme care must be exercised in rigging a load to the Cargo Hook. Steel load rings are recommended to provide consistent release performance and resistance to fouling. The following illustration shows the recommended rigging.



*The example shown is not intended to represent all rigging possibilities. It is the responsibility of the operator to assure the hook will function properly with the rigging.*

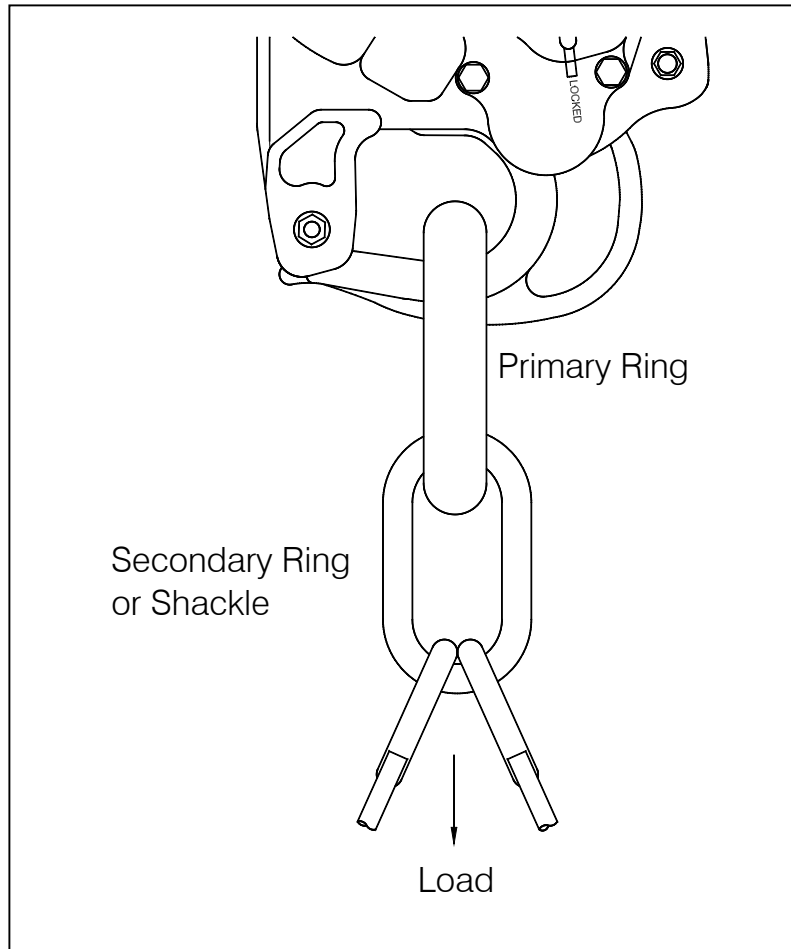
### Nylon Type Straps or Rope



*Nylon type straps (or similar material) or rope must not be used directly on the cargo hook load beam. If nylon straps or rope must be used they should be first attached to a correctly sized primary ring. Only the primary ring should be in contact with the cargo hook load beam. See the following illustration.*

## Section 2 Normal Procedures continued

Figure 2 Recommended Cargo Hook Rigging



### **Section 3 Emergency/Malfunction Procedures**

Consult the Supplement for External Cargo Operation issued by Bell for emergency procedures during external load operations.

### **Section 4 Performance**

The basic Flight Manual and Supplement for External Cargo Operation issued by Bell remain applicable.

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