

FAA APPROVED ROTORCRAFT FLIGHT MANUAL SUPPLEMENT

FOR THE SIKORSKY AIRCRAFT CORPORATION S-70, UH-60, EH-60, AND HH-60 SERIES ROTORCRAFT FLIGHT MANUAL WHEN EQUIPPED WITH THE MECHANICAL SPECIALTIES MODEL 909 CARGO HOOK

REGISTRATION #: _____ SERIAL #: _____

The information in this supplement is FAA approved and must be attached to the appropriate FAA Approved Sikorsky Aircraft Corporation S-70, UH-60, EH-60, and HH-60 series Rotorcraft Flight Manual when the 909 Cargo Hook Kit is installed per

STC No. SR02617SE

The information contained in this document supplements or supersedes the basic manual only in those areas listed herein. For limitations, emergency procedures, normal procedures, and performance information not contained in this supplement, consult the basic FAA Approved Rotorcraft Flight Manual.

FAA APPROVED: _____
For: Manager, Northwest Flight Test Section, AIR-715
Federal Aviation Administration
Seattle, Washington

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Mechanical Specialties, LLC	Rotorcraft Flight Manual Supplement 909-200 Cargo Hook Kit	Document No. MS-909-101-RFMS Revision 1
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SECTION I GENERAL

This supplement must be attached to the appropriate Sikorsky Aircraft Corporation S-70, UH-60, EH-60, and HH-60 series Rotorcraft Flight Manual when a Mechanical Specialties MODEL 909 Cargo Hook is installed.

The following information supplements or supersedes the existing rotorcraft flight manual only for the areas listed in this supplement. For limitations, procedures and performance data not contained in this supplement please consult the basic FAA approved Rotorcraft Flight Manual issued by Sikorsky Aircraft Corporation S-70, UH-60, EH-60, or HH-60 series Type Certificate Holders.

The Mechanical Specialties cargo hook MODEL 909 kit includes an electrical harness that interfaces with the rotorcraft’s current electrical wiring and provisions for a manual cable release system as a backup.

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SECTION II LIMITATIONS

The basic Flight Manual issued by Sikorsky Aircraft Corporation S-70, UH-60, EH-60, and HH-60 series Type Certificate Holders remain applicable. The Model 909 cargo hook has a limit load of 9000 lb., the limit load of the rotorcraft remains applicable, and may be less.

The external load equipment certification approval does not constitute operational approval: operational approval for external load operations must be granted by the local Aviation Authority.

The Model 909 cargo hook does not comply with 14 CFR part 29 certification requirements for Human External Cargo (HEC).

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SECTION III EMERGENCY PROCEDURES

1. The primary emergency load release procedure is the same as the normal load release procedure. Release of the cargo hook is done by pressing the **CARGO REL** switch on either cyclic stick grip or the **CARGO HOOK NORMAL RLSE** on the crewmember's cargo hook pendant.
2. The secondary emergency load release procedure is done by pulling up the MANUAL RELEASE CABLE HANDLE located on the center console aft area, which can be accessed by either pilot.

WARNING
PRIMARY CARGO LOAD RELEASE WILL NOT FUNCTION IF NO. 1 DC PRI BUS IS SHED. IN THE EVENT OF SIGNIFICANT ROTOR DROOP OR OTHER ELECTRICAL LOAD SHED EVENT, EMERGENCY LOAD RELEASE WILL HAVE TO BE ACCOMPLISHED BY PULLING THE MANUAL RELEASE CABLE HANDLE.

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SECTION IV PREFLIGHT PROCEDURES

Prior to performing external load operations the following procedures shall be performed. If any of the following procedures are not successful do not use the equipment until the discrepancy has been resolved.

1. Visually check all mounting hardware to ensure security of the cargo hook.
2. Visually check the electrical harness and connection for damage and security.
3. Visually check the manual release cable and the connection to the cargo hook for damage and security.
4. Visually check the cargo hook for damage and hardware for security.
5. Perform manual release using manual release handle on the center console aft area. Return load beam to locked position by manually pushing up on load beam.
6. Rotate cargo hook the full range of motion to insure there is no cable binding that can cause the cargo hook to open.
7. Place the **CARGO HOOK ARMING** switch to **ARMED**. A light on the advisory panel will go on, indicating **HOOK ARMED**.
8. Perform electrical release of cargo hook. Normal release of external cargo hook is done by pressing the **CARGO REL** switch on either cyclic stick grip or the **CARGO HOOK NORMAL RLSE** on the crewmember's cargo hook pendant. When the **CARGO REL** switch is pressed the load beam will swing open.

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NOTE
**THE CARGO HOOK SHORT & TEST LAMP WILL NOT
 FUNCTION WHEN MODEL 909 CARGO HOOK IS
 INSTALLED.**

WARNING
**HOOK EMER REL ON COLLECTIVES &
 CREWMEMBER’S PENDANT ARE INOP WITH MODEL
 909 CARGO HOOK INSTALLED.**

Load Rigging

No Change

Operational Checks

No Change

Inflight

No Change

SECTION V PERFORMANCE

No change to basic Flight Manual.

SECTION VI WEIGHT & BALANCE

No change to basic Flight Manual.