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**FAA APPROVED**

**ROTORCRAFT FLIGHT MANUAL  
SUPPLEMENT**

*Onboard Systems  
Load Weigh System  
for the  
Eurocopter AS350 Series*

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

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## I. INTRODUCTION

This supplement must be attached to the appropriate FAA approved Eurocopter Rotorcraft Flight Manual when an Onboard Systems 200-310-00 Load Weigh System is installed in accordance with Supplemental Type Certificate (STC) NO. SR01804SE.

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 Eurocopter's Rotorcraft Flight Manual Supplement – External Load Transport.

The Load Weigh System is a compliment to the helicopter lifting system. Its purpose is to display the weight of the load carried on the cargo hook. The Load Weigh System consists of three components: the cockpit mounted load weigh indicator, the internal electrical harness and the load cell. The load weigh indicator is installed on the right forward door pillar. The load cell is installed between the rotorcraft cargo hook suspension frame and a cargo hook (not included with this kit).

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## II. LIMITATIONS

### II.1 Operation

The basic Rotorcraft Flight Manual and Rotorcraft Flight Manual Supplement – External Load Transport issued by Eurocopter remain applicable.

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.

The load weigh indicator shall be operated in accordance with Section 3 of Owner's Manual 120-126-00.

### II.2 Placards

No placards are included with the Load Weigh System. The Load Weigh System is an upgrade for the Eurocopter load weigh system and uses the rotorcraft's existing load weigh placards. Consult the Eurocopter Flight Manual Supplement – External Load Transport for your particular AS350 model for placards.

### II.3 Load Rating

The Load Weigh System is rated for a maximum load of 3086 lbs (1360 kgs). Consult the Eurocopter Flight Manual Supplement – External Load Transport for your particular AS350 model for external load limitations.

## III. EMERGENCY PROCEDURES

The basic Rotorcraft Flight Manual and Rotorcraft Flight Manual Supplement – External Load Transport issued by Eurocopter remain applicable.



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## IV. NORMAL PROCEDURES

### IV.1 Pre-Flight Check

Prior to use of the Load Weigh System perform the following procedures. If the procedures are not successful do not use the equipment until the problem has been corrected.

#### IV.1.1 Exterior Check

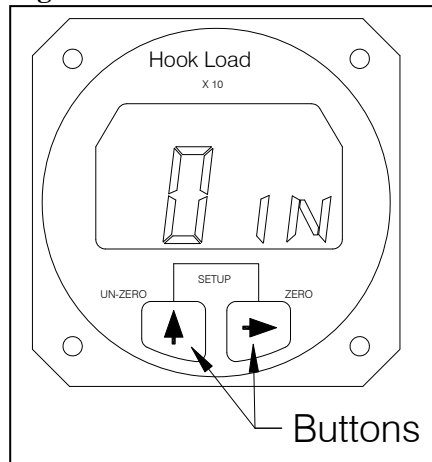
1. Inspect the electrical connections for damage.
2. Swing the load cell (and cargo hook) to its full extreme positions to verify that it does not reach the limit of its electrical harness range of motion.

#### IV.1.2 Interior Check

To initialize the Load Indicator, perform the following:

Power on the Load Indicator and allow it to warm up for 5 minutes (with no load on the hook). Press both Indicator buttons at the same time to go to the setup mode. Scroll through the menu, using the left button, until "0 in" (see Figure 1) is displayed, then press the right button. Remove any weight from the cargo hook that is not to be zeroed out and press either button to complete the procedure.

**Figure 1 Load Indicator**



## V. PERFORMANCE

The basic Rotorcraft Flight Manual and Rotorcraft Flight Manual Supplement – External Load Transport issued by Eurocopter remain applicable.

The Load Weigh System is designed and installed as a means of monitoring the load (weight) suspended from the cargo hook. Functional and performance characteristics have not been determined on the basis of the load cell indication or display. Therefore, this instrument shall **NOT** be used as a primary indication of performance and flight operation must **NOT** be predicated on its use.



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