



**SUBJECT: INSTALLATION OF LH AND / OR RH CARGO PODS  
("SQUIRREL CHEEKS") P/N 350-200814/24 OR 355-200814/24**

This Flight Manual Supplement describes operation with the LH and / or RH Cargo Pods installed.

**APPLICABILITY:**

This Flight Manual Supplement shall be used when the LH and / or RH Cargo Pods are installed on the helicopter.

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**IMPORTANT NOTE**

THE INFORMATION AND DATA CONTAINED IN THIS DOCUMENT SUPERSEDE OR SUPPLEMENTS THAT CONTAINED IN THE BASIC APPROVED FLIGHT MANUAL FOR THE AS 350 OR AS 355 HELICOPTER IN THOSE AREAS LISTED HEREIN. FOR LIMITATIONS, PROCEDURES AND PERFORMANCE NOT CONTAINED IN THIS DOCUMENT REFER TO THE APPROVED FLIGHT MANUAL AND OTHER APPLICABLE APPROVED FLIGHT MANUAL SUPPLEMENTS.

SECTIONS 2, 3, 4, AND 5 OF THIS DOCUMENT COMPRISE THE APPROVED FLIGHT MANUAL SUPPLEMENT. COMPLIANCE WITH SECTION 2, LIMITATIONS, IS MANDATORY.

SECTIONS 1 AND 6 ARE UNAPPROVED AND ARE PROVIDED FOR INFORMATION ONLY.




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**RECORD OF REVISIONS**

| Rev. | Pages at this revision | Description, Reason, Changed Pages  | Prepared (name and date)     | Checked (name and date) | App'd/Acc'd (Civil A/W Authority) (name and date) | Released (name and date)    |
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| 3    | 1 through 8            | Incorporated an Abbreviations chart in the GENERAL Section. Addition of weight limitations per pod in LIMITATIONS Section. (Pages 3 to 6) | See page 1                   | See page 1              | See page 1  | See page 1                  |
|      |                        |   |                              |                         |   |                             |
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NOTE: Revisions to this document will be distributed to operators of this equipment by the STC holder.  
 NOTE: Revised portions of affected pages are identified by a vertical black line in the margin adjacent to the change.

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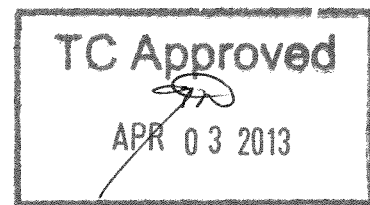


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## 1. GENERAL (unapproved)

The optional Cargo Pods ("SQUIRREL CHEEKS") are an enlargement of the LH and / or RH cargo compartments.

The volume of the normal baggage compartment with no cargo pods installed is 7.1 cubic feet on the right side with the battery in the basic helicopter configuration, and 8.3 cubic feet on the left side.

With installation of the Cargo Pods ("SQUIRREL CHEEKS") on each side, the baggage compartment volume is almost doubled (right side 14.1 cubic feet, left side 15.3 cubic feet). With the Cargo Pods ("SQUIRREL CHEEKS") installed, the RH cargo compartment can carry up to 175 kg (386 lb), and the LH cargo compartment can carry up to 195 kg (430 lb). They are constructed with a reinforced aluminium floor with no lip at the door for easier loading. The Cargo pod floor and top can be stood upon by maintenance personnel.

The Cargo Pods have large doors that are hinged to open in the forward direction, with gas struts to hold the door in the open position.

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Additional RH Cargo Pod volume and weight capacity can be achieved with the additional installation of Optional Equipment ECL-6, Battery Relocation.

Refer to Figure 1 for General Layout.

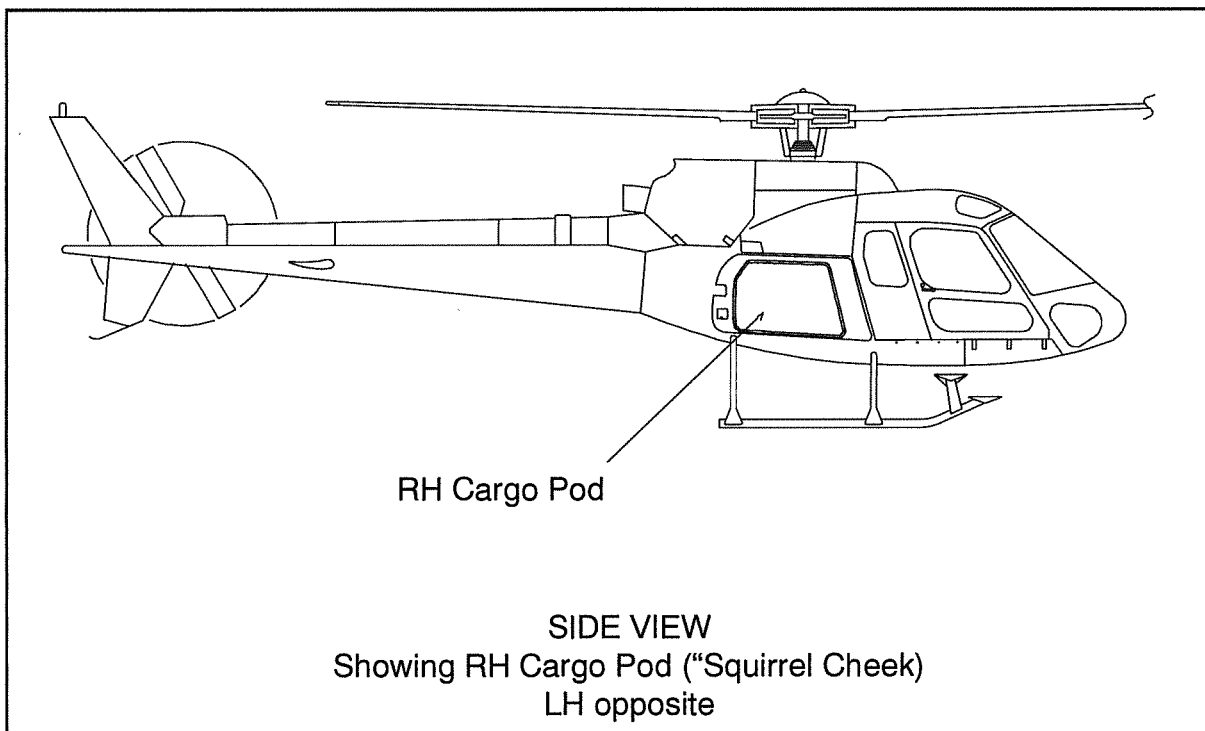


Figure 1 General Layout

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1. **GENERAL** (continued)

Abbreviations and Definitions

| ABBREVIATION | DEFINITION                               |
|--------------|--|
| AEO          | all engines operating                    |
| EC           | Eurocopter France                        |
| ECL          | Eurocopter Canada Limited                |
| ft/min       | feet per minute                          |
| ICA          | Instructions for Continued Airworthiness |
| HOGE         | helicopter out of ground effect          |
| IGE          | in ground effect                         |
| kg           | kilogram                                 |
| lb           | pounds                                   |
| LH           | Left Hand                                |
| MDL          | Master Drawing List                      |
| MOD          | Modified                                 |
| OAT          | outside Air Temperature                  |
| OEI          | one engine inoperative                   |
| OGE          | out of ground effect                     |
| RH           | Right Hand                               |
| STC          | Supplemental Type Certificate            |
| +            | plus                                     |
| °C           | degrees Celsius                          |

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## 2. LIMITATIONS

### Weight Limitation

Maximum weight limitation for the RH cargo compartment . . . . . 175 kg (386 lb)

Maximum weight limitation for the LH cargo compartment . . . . . 195 kg (430 lb)

## 3. EMERGENCY AND MALFUNCTION PROCEDURES

No change to existing approved Flight Manual.

## 4. NORMAL PROCEDURES

No change to existing approved Flight Manual.

## 5. PERFORMANCE DATA

The following performance data is equally applicable with LH, RH or both Cargo Pods installed:

### **AS 350 D, B, B1, B2, B3, BA**

a. For hover IGE and OGE, use the standard performance charts in Section 5 of the Flight Manual but reduce the resulting helicopter weight by 30 kg.

**NOTE:** The HOGE chart in Section 5 may be extrapolated to 30 kg above maximum weight for this calculation, but the maximum weight of the helicopter does not change.

b. For Climb, use the standard performance chart in Section 5 of the Flight Manual, but reduce the resulting rate of climb by the following amount:

- for AS 350 D, B, BA: . . . . . 200 ft/min.
- for AS 350 B1, B2 and B3: . . . . . 250 ft/min



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**5. PERFORMANCE DATA (continued)**

**AS 355 E, F, F1, F2**

- a. For hover IGE and OGE, use the standard performance charts in Section 5 of the Flight Manual but reduce the resulting helicopter weight by 60 kg.

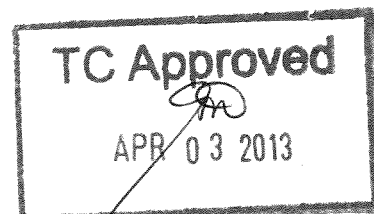
**NOTE:** The HOGE chart in Section 5 may be extrapolated to 60 kg above maximum weight for this calculation, but the the maximum weight of the helicopter does not change.

- b. For Climb, use the standard performance chart in Section 5 of the Flight Manual, but reduce the resulting rate of climb by the following amount:

- for AS 355 E, F, F1 and F2:

|           |            |
|-----------|------------|
| AEO ..... | 150 ft/min |
| OEI ..... | 110 ft/min |

**NOTE:** At altitudes over 10,000 ft, the AEO climb performance penalty given above is estimated only.



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**6. MASS AND BALANCE (removable items) (unapproved)**

Total changes to weight and balance resulting from this modification are covered in the applicable Instructions for Continued Airworthiness (ICA).

Items that are removed between routine operations: Not applicable