



# FLIGHT MANUAL SUPPLEMENT

## FOR MODEL

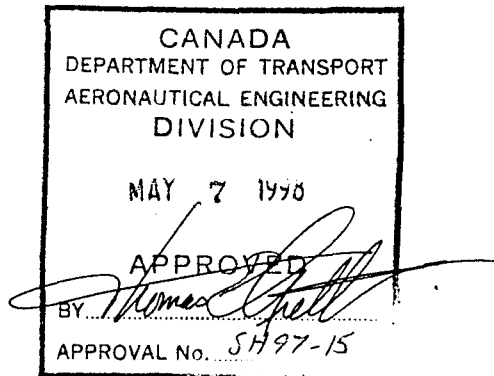
# AS 350 / AS 355 HELICOPTERS

WITH LH AND / OR RH CARGO PODS ("SQUIRREL CHEEKS") INSTALLED

This supplement shall be attached to the applicable approved EUROCOPTER AS 350 and AS 355 Flight Manuals, when the "SQUIRREL CHEEKS" are installed on the aircraft in accordance with DOT STC No. . . SH97-15 . . SH97-60.

Section 2,3,4, and 5 of this document comprise the approved Flight Manual Supplement. Compliance with Section 2, Certification Limitations, is mandatory. Section 1 and 6 (if applicable) of this document do not require D.O.T. approval but contain information which may be of use to the pilot and therefore are included as "Manufacturer's Data".

Department of Transport (Canada) Approved



Regional Airworthiness Engineer  
Ontario Region



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 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.

The doors incorporate high quality door latches which are easy to operate.

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



2. **LIMITATIONS**

No change

3. **EMERGENCY AND MALFUNCTION PROCEDURES**

No change

4. **NORMAL PROCEDURES**

No change

5. **PERFORMANCE DATA**

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

**AS 350 C, D, D1, 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 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:

- o for AS 350 C, D, D1, B, BA: ..... 200 ft/min.
- o for AS 350 B1, B2, and B3: ..... 250 ft/min

**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:

- o 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.

DOT Approved: \_\_\_\_\_

