

**EUROCOPTER CANADA LIMITED**

**SUBJECT: AIRFRAME FUEL FILTER (P/N 350-600004)**

The Airframe Fuel Filter enables operation of the helicopter at low temperatures without the use of anti-ice additives in the fuel. The filter is designed to collect ice particles.

**APPLICABILITY :**

This Flight Manual Supplement must be used when the Airframe Fuel Filter is installed on the helicopter.

Department of Transport  
(Canada) Approved

**IMPORTANT NOTE**



THE INFORMATION AND DATA CONTAINED IN THIS DOCUMENT SUPERSEDE OR SUPPLEMENT THAT CONTAINED IN THE BASIC APPROVED FLIGHT MANUAL FOR THE AS 350 B, BA 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.

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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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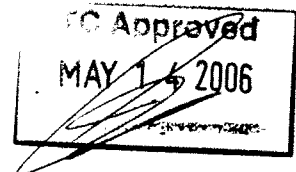
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1. GENERAL (unapproved)

The installation of the Airframe Fuel Filter system enables operation of the helicopter at low temperatures without the use of anti-ice additives in the fuel. The filter is designed to collect ice particles.

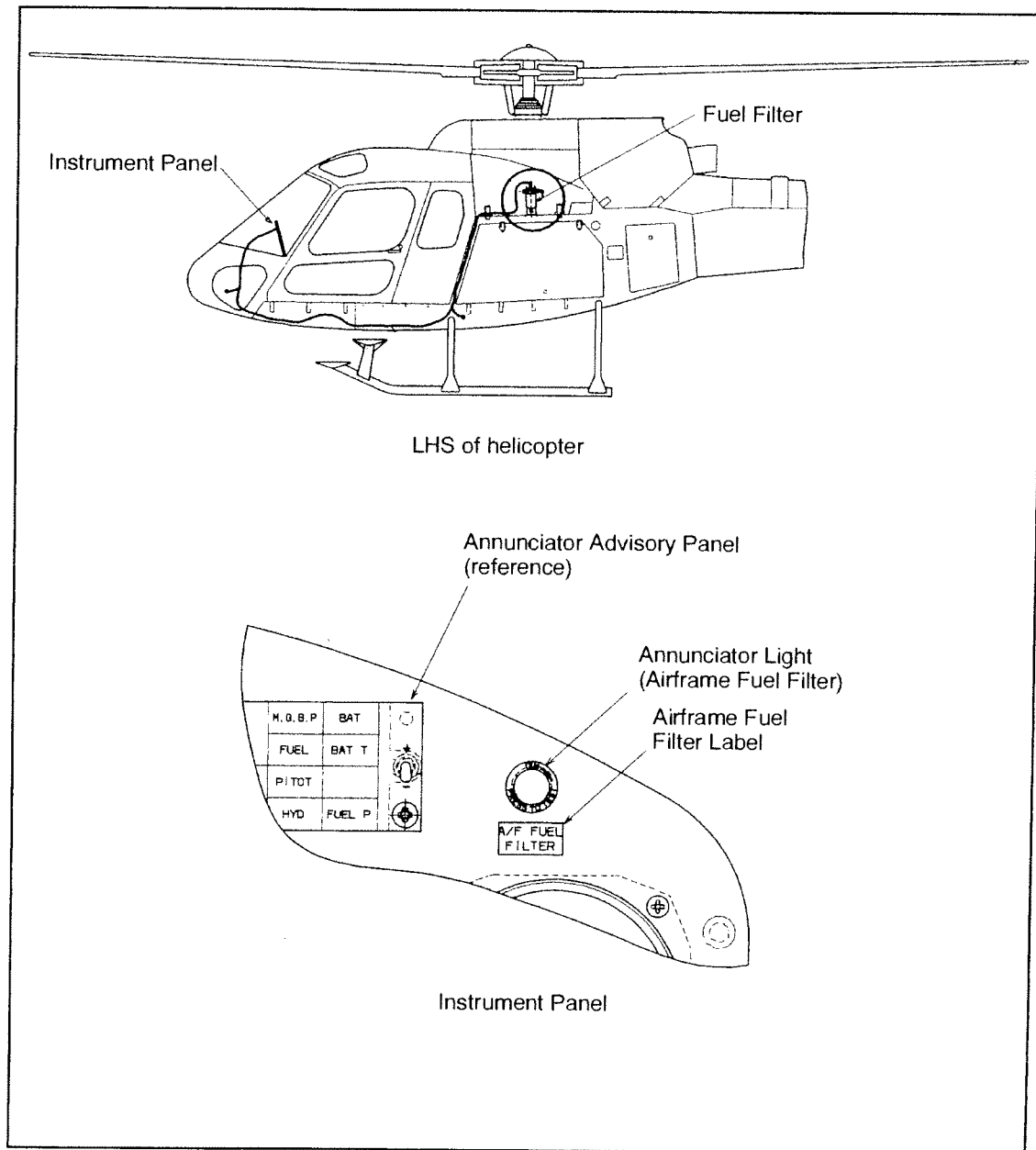


Figure 1 Airframe Fuel Filter Installation

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2. **LIMITATIONS**

a. **Operation**

Fuel Additives

Anti-ice additives are not required between the approved temperature limits, when operating with the standard fuel system.

When an operating Ferry Flight Fuel Tank is installed, anti-ice fuel additives must be used at temperatures below 0° C.

b. **Placards**

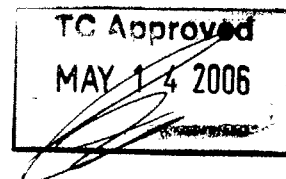
There is one placard associated with the Airframe Fuel Filter Installation. For placard locations, refer to Figure 1.

1) Placard:



Location: Located on the RHS of the Instrument Panel

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3. EMERGENCY PROCEDURES

A/F FUEL FILTER light ON

If pressure remains in normal range

If pressure decreases

- Monitor fuel pressure indicator.

- Continue flight.

- Follow basic Flight Manual procedures.

**NOTE** If annunciator light illuminates during flight it may indicate an impending bypass of the filter.

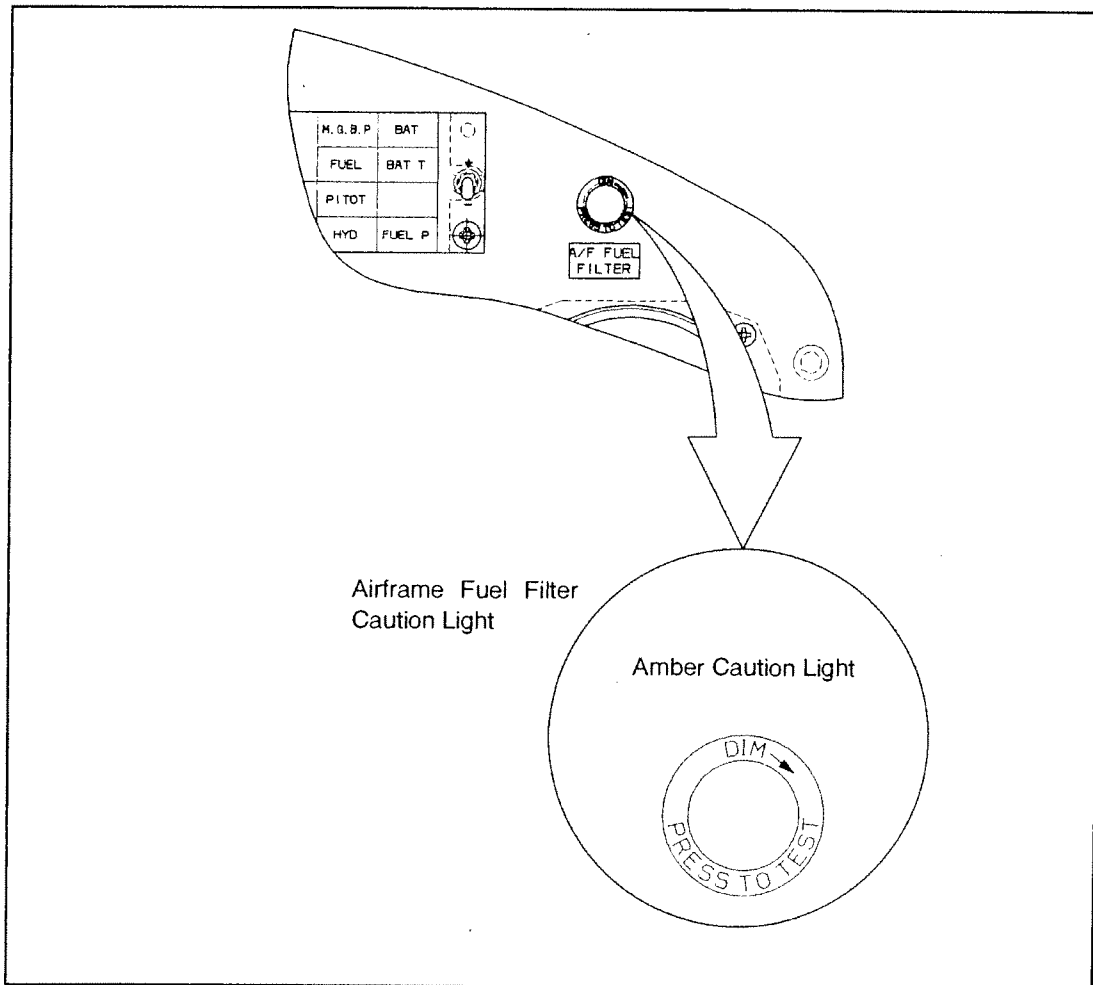
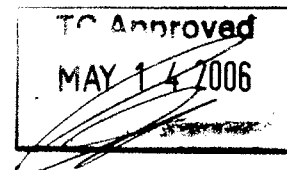


Figure 2 Press to Test / Annunciator Light on the Instrument Panel

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3. EMERGENCY PROCEDURES (continued)

Fuel pressure - zero

For operations with Jet B/JP 4 Fuels

- Check - Fuel pump switched ON. If ON, immediately descended to 8,000 feet or less ensure proper engine operation.
- Avoid high g maneuvers

NOTE: When operating with Jet B/JP 4 fuels, tests have demonstrated normal operation up to 8,000 feet following the failure of the fuel boost pump. The potential for abnormal engine operation exists above this altitude with a failed boost pump.

For operation with other approved fuels

- Follow basic Flight Manual procedures

4. NORMAL PROCEDURES

a. Before the first flight of each day

Battery

- ON

Fuel boost pump

- ON

Fuel filter and lines

- Open drain valve, purge any air or water from the system. Close drain valve.

Drain valve and fuel filter

- Check for leaks

Fuel boost pump

- OFF

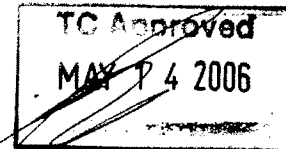
Battery

- OFF

Fuel drain and transmission deck

- No debris on fuel drain and/or transmission deck.

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4. NORMAL PROCEDURES (continued)

**b. Pre-Flight Check**

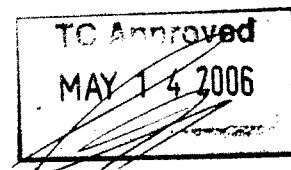
Battery - ON

Press A/F FUEL FILTER by-pass  
"press to test" caution light - Caution light illuminates

5. PERFORMANCE DATA

No Change.

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## 6. WEIGHT AND BALANCE (UNAPPROVED)

Total changes to weight and balance resulting from this modification are covered in the applicable installation instructions.

Items that are removed between routine operations: Not applicable

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