

**SUBJECT: AIRFRAME FUEL FILTER (P/N 130-600204)**

The Airframe-Mounted Fuel Filter provides additional fuel filtering capability upstream of the existing engine fuel filter.

**APPLICABILITY:**

This Flight Manual Supplement must be used when the Airframe-Mounted 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 EC 130 T2 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)
0	1 through 9	Original Issue	See page 1.	See page 1.	See page 1.	See page 1.

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.  
 NOTE: Minor changes are released in accordance with TCCA - ACCEPTED CAR 521.154 procedures (ref. DAPM- E- 0001).

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OCT 27 2020

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**1. GENERAL (unapproved)**

The installation of the Airframe- Mounted Fuel Filter provides additional fuel filtering capability upstream of the existing engine fuel filter. The unit has a finer filtration rating than the existing engine mounted fuel filter. Refer to Figure 1 for General Layout.

An “AF F FILT” annunciator warning light will illuminate on the Caution and Warning Panel during flight indicating an impending bypass of the airframe- mounted fuel filter. Refer to Figure 1.

The fuel filter unit is mounted on the transmission deck. A containment box surrounds the filter which has a removable cover. The fuel lines are of the same double walled construction as the other fuel lines on the aircraft.

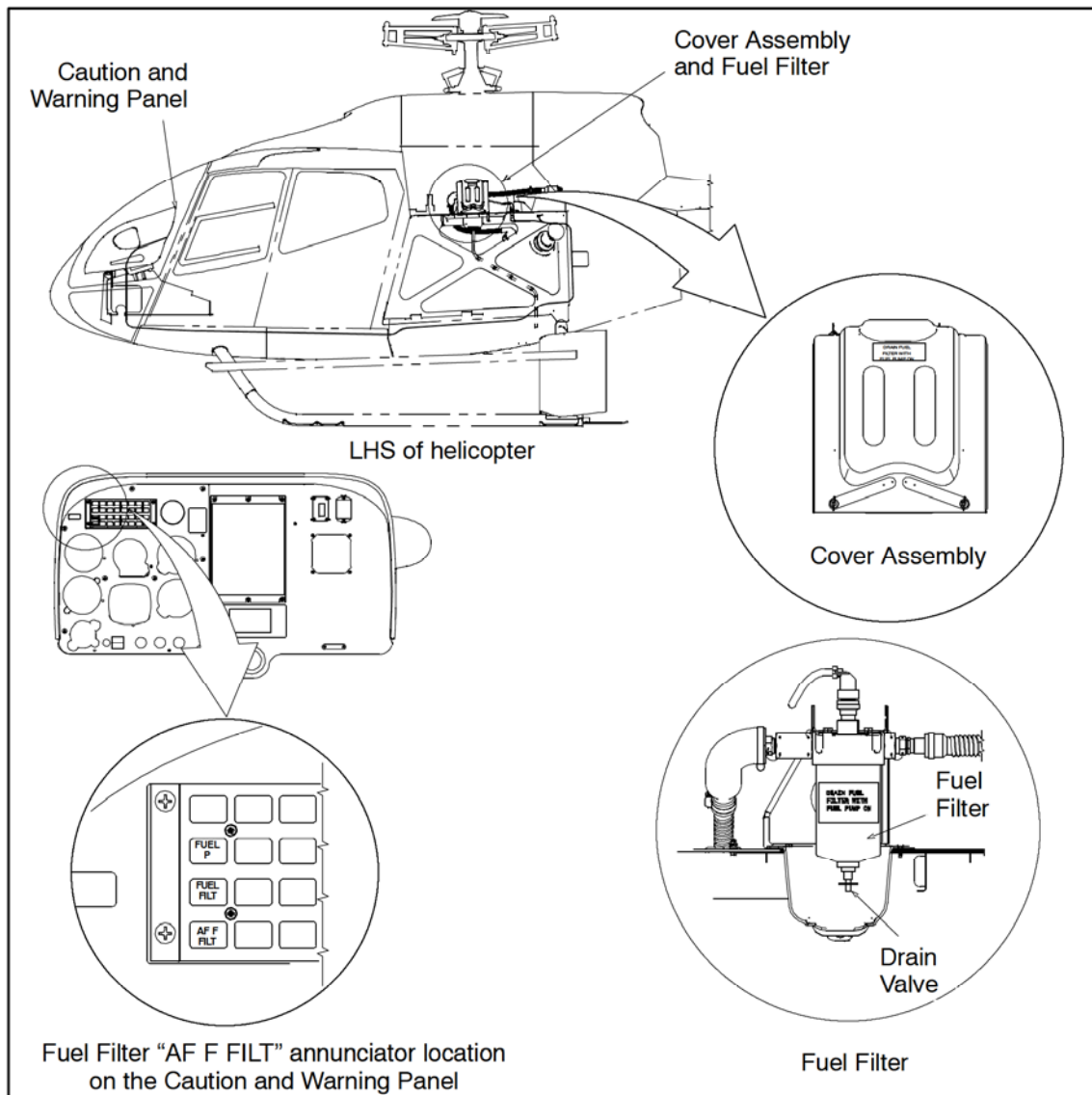


Figure 1 General Layout

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**1. GENERAL (unapproved) (continued)**

## Abbreviations and Definitions

ABBREVIATION	DEFINITION
AF F FILT	Airframe Fuel Filter
AH	Airbus Helicopters (France)
AHCA	Airbus Helicopters Canada Limited
A/W	Airworthiness
Acc'd	Accepted
App'd	Approved
°C	Degrees Celsius
CAR	Canadian Aviation Regulations
DAPM	Design Approval Procedures Manual
FILT	Filter
FMS	Flight Manual Supplement
ft	feet
FUEL P	Fuel Pressure
Hp	Pressure Altitude
ISA	International Standard Atmosphere
LHS	Left Hand Side
Ng	Engine Gas Generator Speed
Rev.	Revision
STC	Supplemental Type Certificate
TCCA	Transport Canada Civil Aviation

**2. LIMITATIONS**a. **Operation****Approved Fuels**

Refer to section 2.5.1 of the Flight Manual.

Operation with NORMAL FUELS only. Operation with REPLACEMENT FUELS is prohibited.

**Altitude**

Operation with NORMAL FUELS, except JP5, is limited to . . . Hp = 10,000 ft

Operation with JP5 is limited to . . . . . Hp = 9,500 ft

**Fuel Additives**

If fuel does not contain a freezing inhibitor, and if the OAT is below +5°C, the use of an anti- ice additive is mandatory. Approved anti- icing additives are found in the basic Flight Manual, Section 2.5.1.

**3. EMERGENCY PROCEDURES**

AF F FILT light ON

- Follow basic Flight Manual procedures for FUEL FILT light continuously ON.

**NOTE** If the AF F FILT annunciator light illuminates during flight it indicates an impending bypass of the airframe mounted fuel filter.

**NOTE** Limit maneuvering and angle of bank to <30 degrees when the AF F FILT annunciator light is illuminated.

**NOTE** Monitor Caution and Warning Panel for FUEL P light . If FUEL P light illuminates, follow basic Flight Manual procedures for FUEL P light.

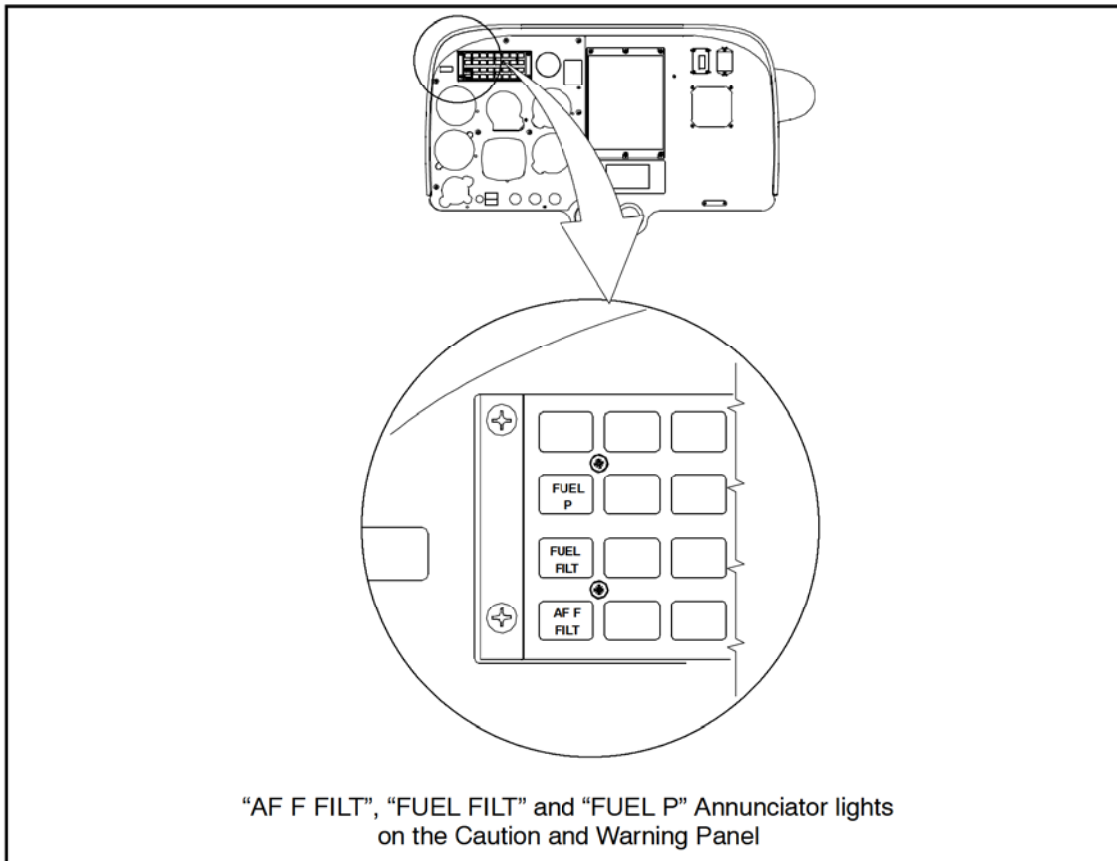


Figure 2 Caution and Warning Panel Annunciator Lights

**4. NORMAL PROCEDURES****a. Before the first flight of each day**

- |                            |                |
|----------------------------|----------------|
| Airframe fuel filter cover | - Remove cover |
| Battery                    | - ON           |
| Fuel pump                  | - ON           |

If OAT &gt; 0°C.

- |                       |  |
|-----------------------|--|
| Fuel filter and lines | - Open drain valve, purge any water from the system. |
| Fuel filter and lines | - Close drain valve.                                 |
| Fuel filter and lines | - Check for leaks and security.                      |

If OAT ≤ 0°C.

- |                       |                                 |
|-----------------------|---------------------------------|
| Fuel filter and lines | - Check for leaks and security. |
|-----------------------|---------------------------------|

- |  |  |
|--|--|
| Push the Press to Test button on the Fuel Filter | - The AF F FILT annunciator light illuminates on the Caution and Warning Panel |
| Fuel pump  | - OFF  |
| Battery  | - OFF  |
| Fuel drain and transmission deck                 | - No debris on fuel drain and /or transmission deck.                           |
| Airframe fuel filter cover                       | - Install and secure   |

**5. PERFORMANCE DATA**

No change to existing Flight Manual.



**6. WEIGHT AND BALANCE (UNAPPROVED)**

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

Items that are removed between routine operations: Not applicable

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