

Technisonic Industries Ltd.
240 Traders Blvd. E
Mississauga, ON
L4Z 1W7

SUPPLEMENT No. FMS13015-1
Airbus Helicopters
AS 350 B, B1, B2, B3, BA, D
Revision B

FLIGHT MANUAL SUPPLEMENT

AIRBUS HELICOPTERS AS 350 B, B1, B2, B3, BA, D

Aircraft Registration: _____

Aircraft Serial No: _____

Equipped with:

Technisonic TDFM-9000 Series Multiband Transceiver

Installed in accordance with: STC SH13-39

Sections 1 to 9 inclusive of this document comprises the approved Flight Manual Supplement. Compliance with Section 2, "Limitations", is mandatory.

The information and data contained in this document supersedes or supplements that contained in the basic Approved Flight Manuals for the Airbus Helicopters AS 350 B, B1, B2, B3, BA, D, only in the areas listed herein. For Limitations, Procedures and Performance data not contained in this supplement, refer to the Approved Flight Manual or other applicable Approved Flight Manual Supplements.

This Supplement must be attached to the Approved Flight Manual for the aircraft with the subject design change incorporated.


CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
DIVISION

September 24, 2021

APPROVED

APPROVAL No: SH13-39

ISSUE 3


Chris Heidel DE 102, DAO 06-O-01
AVIONICS DESIGN SERVICES LTD.

Transport Canada Approved: _____

TABLE OF CONTENTS

SECTION 1 GENERAL [4](#)

SECTION 2 LIMITATIONS [4](#)

SECTION 3 EMERGENCY PROCEDURES [4](#)

SECTION 4 NORMAL PROCEDURES [4](#)

SECTION 5 PERFORMANCE DATA [4](#)

SECTION 6 WEIGHT AND BALANCE [4](#)

SECTION 7 DESCRIPTION AND SYSTEMS [5](#)

 GENERAL [5](#)

 CIRCUIT PROTECTION [5](#)

SECTION 8 SERVICING [6](#)

SECTION 9 OPERATIONAL INFORMATION [6](#)

LOG OF AMENDMENTS

Revision	Date Inserted	Signature	Affected Pages
N/C	October 17, 2014	Robert Gow	All
A	April 10, 2015	Robert Gow	All pages at revision A. Limitation in Section 2 updated.
B	September 15, 2021	<i>Chin Heidel</i>	All pages at revision B. Weight and Balance in Section 6 removed. Circuit breaker protection in Section 7 updated.

SECTION 1 GENERAL

No change.

SECTION 2 LIMITATIONS

For FAA Approvals:

For an aircraft equipped with an autopilot, the TDFM-9000 series transceiver shall not be turned on with the autopilot engaged with the following exception:

Operation is permitted if the aircraft is equipped with the HeliSAS stability augmentation system and autopilot in accordance with FAA STC SR02345LA.

SECTION 3 EMERGENCY PROCEDURES

No change.

SECTION 4 NORMAL PROCEDURES

No change.

SECTION 5 PERFORMANCE DATA

No change.

SECTION 6 WEIGHT AND BALANCE

| No change.

SECTION 7 DESCRIPTION AND SYSTEMS

GENERAL

TDFM-9000 Series transceivers are a multi-band airborne analog and digital P25 9600 FM transceivers. They operate in the VHF, UHF-LO, UHF-HI and 700-800 MHz frequency bands. They are typically used as tactical or mission radios and are not meant to replace the aircraft communication radios.

The TDFM-9000 Series transceivers have a colour TFT display with data entry and function control accomplished using the 24-button keypad.

An optional RC-9000 remote controller may be installed to provide transceiver functions to mission crew installed in the aft cabin.. The display / control panel is the same as the TDFM-9000 series transceivers.

An optional antenna tuner may be installed if an FLX antenna (30-50 MHz) is installed.

CIRCUIT PROTECTION

The TDFM-9000 Series transceivers are protected by the following:

LABEL	AMPS	LOCATION	BUS
Effectivity: Rotorcraft with Fuse Panel			
FM RADIO	10 A	CENTER CONSOLE FUSE PANEL	28VDC PP6 BUS
FM CONTROL (optional)	2.5 A	CENTER CONSOLE FUSE PANEL	28VDC PP6 BUS
FLX ANTENNA TUNER (optional)	1.5A	CENTER CONSOLE FUSE PANEL	28VDC PP6 BUS
Effectivity: Rotorcraft with Geneva Console (per STC SH93-83 or other Foreign Equivalent)			
FM RADIO	10 A	CENTER CONSOLE, LEFT TOP	28VDC PP6 BUS or AVIONICS/ RADIO BUS (if installed)
FM CONTROL (optional)	2.5 A	CENTER CONSOLE, LEFT TOP	28VDC PP6 BUS or AVIONICS/ RADIO (if installed)
FLX ANTENNA TUNER (optional)	1.5A	CENTER CONSOLE, LEFT TOP	28VDC PP6 BUS or AVIONICS/ RADIO (if installed)

SECTION 8 SERVICING

No change.

SECTION 9 OPERATIONAL INFORMATION

No change.