



## **BASIC DIGITAL FLIGHT INSTRUMENT, KIT FLIGHT MANUAL SUPPLEMENT MODELS: BELL 212**

Sections 1, 2, 3 & 4 of this document comprise the Approved Flight Manual Supplement. Compliance with Section 1, Limitations is mandatory. Section 5 is Unapproved and is provided for information only.

The information within this document supplements or supersedes the approved Basic Flight Manual for the Bell 212 Helicopter in the areas specified herein. For limitations, procedures and performance not contained in this document refer to the Approved Flight Manual and other applicable Approved Flight Manual Supplements.

This document shall be attached to the approved Basic Flight Manual with subject design change incorporated in accordance with Alpine Aerotech LP Master Data List AAL-280-044-001, Revision NI or later approved revisions.

	Transport Canada	Transports Canada
AIRCRAFT CERTIFICATION DIVISION		
<b>APPROVED</b>		
DESIGN APPROVAL ORGANIZATION DAO 16-C-02		
DATE: <u>18 November 2022</u>		
BY:		AP 1
CERTIFICATE NO: <u>SH19-47</u>		
ISSUE NO: <u>2</u>		



## Table of Contents

<u>DESCRIPTION</u>	<u>PAGE</u>
General	3
Section 1, Limitations	4
Section 2, Normal Procedures	4
Section 3, Emergency & Malfunction Procedures	4
Section 4, Performance	4
Section 5, System Information	5

Transport Canada Approved: \_\_\_\_\_

## **GENERAL**

The AAL Basic Digital Flight Instrument, Kit allows for the replacement of the OEM manufacturer's attitude and heading instruments with standalone digital instruments. Three different configurations are available: pilot (RHS) only instrumentation, co-pilot (LHS) only instrumentation and combined pilot and co-pilot instrumentation.

## **Notes**

1. If changes to this document are required, Alpine Aerotech LP shall revise all pages and reissue the entire document.
2. Alpine Aerotech LP shall make any subsequent revisions of this document available upon request.

Transport Canada Approved: \_\_\_\_\_

## **SECTION 1      LIMITATIONS**

### **Types of Operation**

1. Limited to day and night VFR use.
2. The following Kelly Manufacturing Company Installation/Operating Guides or later applicable revisions, must be immediately available to the flight crew when operating the Attitude Indicator and the Heading Indicator, as applicable.

<b>Description</b>	<b>Pub. Number</b>	<b>Rev. (or later)</b>
RCA 1510 Electric Digital Heading Indicator	1401-5	H
RCA 2610 Electric Digital Horizon	1401-3	D

3. For dual Attitude Indicator configurations, both indicators must have the same software version installed.
4. For dual Heading Indicator configurations, both indicators must have the same software version installed.

## **SECTION 2      NORMAL PROCEDURES**

1. No change to the approved Basic Flight Manual.

<b>CAUTION</b>
----------------

**Do not press and hold both “DIM” buttons on the heading indicator simultaneously for 10 seconds. Depending on software version, this may put the heading indicator into Magnetic Calibration Mode. Reference Section 5.**

## **SECTION 3      EMERGENCY & MALFUNCTION PROCEDURES**

1. If any of the instruments displays a prominent red “X” across the screen for any reason and it does not re-set itself within 3 minutes then consider the instrument unserviceable.
2. In a low voltage situation, the instruments will display an orange “LOW VOLTAGE” warning notice near the bottom of the display. This warning will appear when voltage drops below 11 volts. At 7.5 volts a red “X” will appear across the screen indicating that the instrument is unreliable. Below 5 volts the instrument will shut down.

## **SECTION 4      PERFORMANCE**

1. No change to the approved Basic Flight Manual.

Transport Canada Approved: \_\_\_\_\_

---

## **SECTION 5     SYSTEM INFORMATION**

Refer to the following Kelly Manufacturing Company Installation/Operation Guide for system information:

<b>Description</b>	<b>Pub. Number</b>	<b>Rev. (or later)</b>
RCA 1510 Electric Digital Heading Indicator	1401-5	H*
RCA 2610 Electric Digital Horizon	1401-3	D*

\*Contact Kelly Manufacturing Company to obtain correct publication revision.

Unapproved