



	Transport Canada	Transports Canada
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APPROVED		
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BASIC DIGITAL FLIGHT INSTRUMENT, KIT FLIGHT MANUAL SUPPLEMENT MODELS: BELL 205A-1

Sections 1, 2, 3, 4 & 5 of this document comprise the Approved Flight Manual Supplement. Compliance with Section 1, Limitations is mandatory. Section 6 is Unapproved and is provided for information only.

The information within this document supplements or supersedes the approved Basic Flight Manual for the Bell 205A-1 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 G or later approved revisions.

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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.

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.

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SECTION 1 OPERATING 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.

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

3. Both Attitude Indicators must have the same software version installed.
4. Both Heading Indicators must have the same software version installed.

SECTION 2 NORMAL PROCEDURES

1. No change to the approved Basic Flight Manual.

CAUTION

**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 6.**

SECTION 3 EMERGENCY PROCEDURES

1. In a complete power loss situation, the Attitude Indicators will display a “POWER LOSS” indication and automatically switch to battery mode. The onboard back-up batteries will provide approximately 1 hour of service.

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SECTION 4 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. Below 5 volts the attitude indicators will automatically switch to battery power. Below 7.5 volts the heading indicators will display a red “X” indicating that the instruments are not reliable. Below 5 volts they will shut down.

SECTION 5 PERFORMANCE DATA

1. No change to the approved Basic Flight Manual.

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SECTION 6 SYSTEM INFORMATION

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

Description	Pub. Number	Rev. (or later)
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