Dart Service Bulletin Number: **DSB-D212-725-2**

**Purpose:** To update Eagle Single aircraft with co-pilot flight instruments that are required for LH Vertical Reference Operations.

**Eligible Serial Numbers:** All serial numbers.

**Compliance:** Optional.

**Description:** This Service Bulletin describes the installation of the co-pilot's flight instruments. Compliance with this Service Bulletin requires the parts listed in Table 1 below.

### Parts List:

**Table 1**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY -011</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
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<tr>
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<td>DSB-D212-725-2-011</td>
<td>CO-PILOT INSTRUMENT KIT</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>5550-8340N5L</td>
<td>TURN &amp; BANK INDICATOR</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>RCA15BK-K1</td>
<td>DIRECTIONAL INSTRUMENT</td>
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<tr>
<td>4</td>
<td>1</td>
<td>35060-1106</td>
<td>VERTICAL SPEED INDICATOR</td>
</tr>
<tr>
<td>5</td>
<td>2</td>
<td>7274-11-2</td>
<td>CIRCUIT BREAKER</td>
</tr>
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<td>1</td>
<td>PT06CE8-4S</td>
<td>CONNECTOR</td>
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<td>3</td>
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<td>T-FITTING</td>
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<tr>
<td>13</td>
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<td>2800004</td>
<td>TUBING</td>
</tr>
</tbody>
</table>

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**CANADA**

DEPARTMENT OF TRANSPORT

AIRCRAFT CERTIFICATION BRANCH

DAO #01-O-01

**APPROVED**

BY: D. SHEPHERD (DE #02)

DATE: 14.08.20

CERT. NO.: SH07-28

ISSUE NO.: 2

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**DART AEROSPACE LTD**

HAWKESBURY, ONTARIO, CANADA

**DSB-D212-725-2**

**DRAWING NO:**

**REV:** B

**TITLE:**

**SCALE:**

**DATE:** 14.08.20

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**ADDED NOTE TO FIGURE 2 (SHEET 3)**

**AK:** 14.08.20

**DC:** 11.03.17

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**DESIGN:** AK

**DRAWN:** AK

**CHECKED:** VS

**MFG. APPR.:** N/A

**APPROVED:** HS

**DE APPR.:** DS

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Procedure:

1) Cut three openings in the instrument panel in the approximate locations as shown for the Turn & Bank Indicator (p/n 5550-8340N5L), Directional Gyro Indicator (p/n RCA15BK-1), and Vertical Speed Indicator (p/n 35060-1106). See Figure 1 for instrument locations.

2) Install the co-pilot instruments using the supplied hardware.
3) Wire the flight instruments as shown in Figure 2 in accordance with AC43.13-1B.

**NOTE:** IF INDICATED PINS ON P9008/J9008 OR J33/P33 ARE NOT AVAILABLE, IT IS ACCEPTABLE TO USE ALTERNATE PIN LOCATIONS

**FIGURE 2: CO-PILOT'S FLIGHT INSTRUMENTS WIRING DIAGRAM**
4) Install and modify circuit breaker arrangement as per Figure 3.

![Diagram of circuit breaker locations](image)

**FIGURE 3: CIRCUIT BREAKER LOCATIONS**

5) Install T-fitting (p/n 264N04) in existing altimeter static line as shown in Figures 4 and 5. Connect the VSI (p/n 35060-1106) to the T-fitting using tubing (p/n 2800004) and supplied hardware.

6) Perform pitot/static leak check per ICA-D212-725 and appropriate Aviation Regulations.

7) Turn aircraft power "ON" and verify correct instrument operation.

8) Notify Eagle Copters that this Service Bulletin has been accomplished by filling out the attached form (see Sheet 6) and emailing it to mboyce@eaglecopters.com.

9) Make entry in aircraft technical records to indicate that DSB-D212-725-2 Rev. B has been completed.

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**DART AEROSPACE LTD**
HAWKESBURY, ONTARIO, CANADA

**DESIGN** AK
**DRAWN** AK
**CHECKED** VS
**MFG. APPR.** N/A
**APPROVED** HS
**DE APPR.** DS
**DATE** 14.08.20

**DRAWING NO.** DSB-D212-725-2
**TITLE** CO-PILOT INSTRUMENTS

**REV. B** SHEET 4 OF 6
**SCALE** NTS

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NOTIFY EAGLE COPTERS THAT THE DSB-D212-725-2 HAS BEEN INCORPORATED INTO THE AIRCRAFT LISTED BELOW.

AIRCRAFT SERIAL NUMBER:__________________________

AIRCRAFT OWNER:__________________________________

DATE DSB-D212-725-2 WAS INCORPORATED ON THE ABOVE AIRCRAFT:__________________________________

SIGNATURE OF PERSON RESPONSIBLE FOR ENTRY INTO AIRCRAFT TECHNICAL RECORD:________________________

PRINT NAME OF PERSON RESPONSIBLE FOR ENTRY INTO AIRCRAFT TECHNICAL RECORD:________________________

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