

DART SERVICE BULLETIN

REF. TCCA STC: SH07-28
REF. FAA STC: SR02831NY

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

ITEM	QTY -011	PART NUMBER	DESCRIPTION
1	X	DSB-D212-725-2-011	CO-PILOT INSTRUMENT KIT
2	1	5550-8340N5L	TURN & BANK INDICATOR
3	1	RCA15BK-1	DIRECTIONAL GYRO INDICATOR
4	1	35060-1106	VERTICAL SPEED INDICATOR
5	2	7274-11-2	CIRCUIT BREAKER
6	1	PT06CE8-4S	CONNECTOR
7	1	MS3456W10SL-3S	CONNECTOR
8	12	MS35214-16	SCREW
9	12	MS33737-16C	INSTRUMENT NUT
10	3	261N04	NUT
11	1	264N04	T-FITTING
12	1	268N04X02	CONNECTOR
13	12"	2800004	TUBING


CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

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BY: 
D. SHEPHERD (DE # 02)

DATE: 14.08.20
CERT. NO.: SH07-28
ISSUE NO.: 2

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B	ADDED NOTE TO FIGURE 2 (SHEET 3)	AK	14.08.20
A	NEW ISSUE	DC	11.03.17
REV.	DESCRIPTION	BY	DATE
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MFG. APPR.	N/A	DSB-D212-725-2	SHEET 1 OF 6
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DE APPR.	DS 	CO-PILOT INSTRUMENTS	NTS
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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.

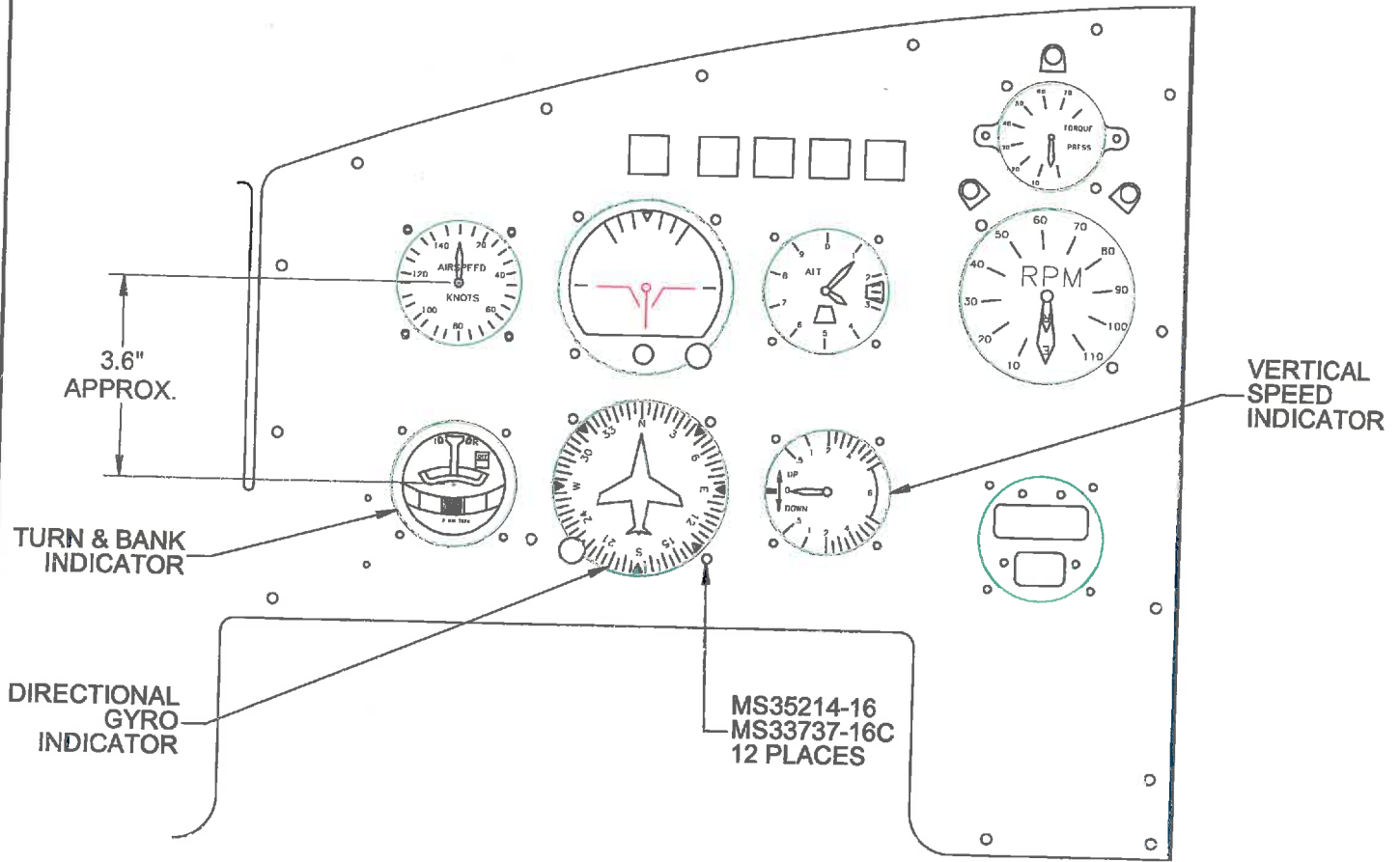


FIGURE 1: FLIGHT INSTRUMENT LOCATIONS

- 2) Install the co-pilot instruments using the supplied hardware.

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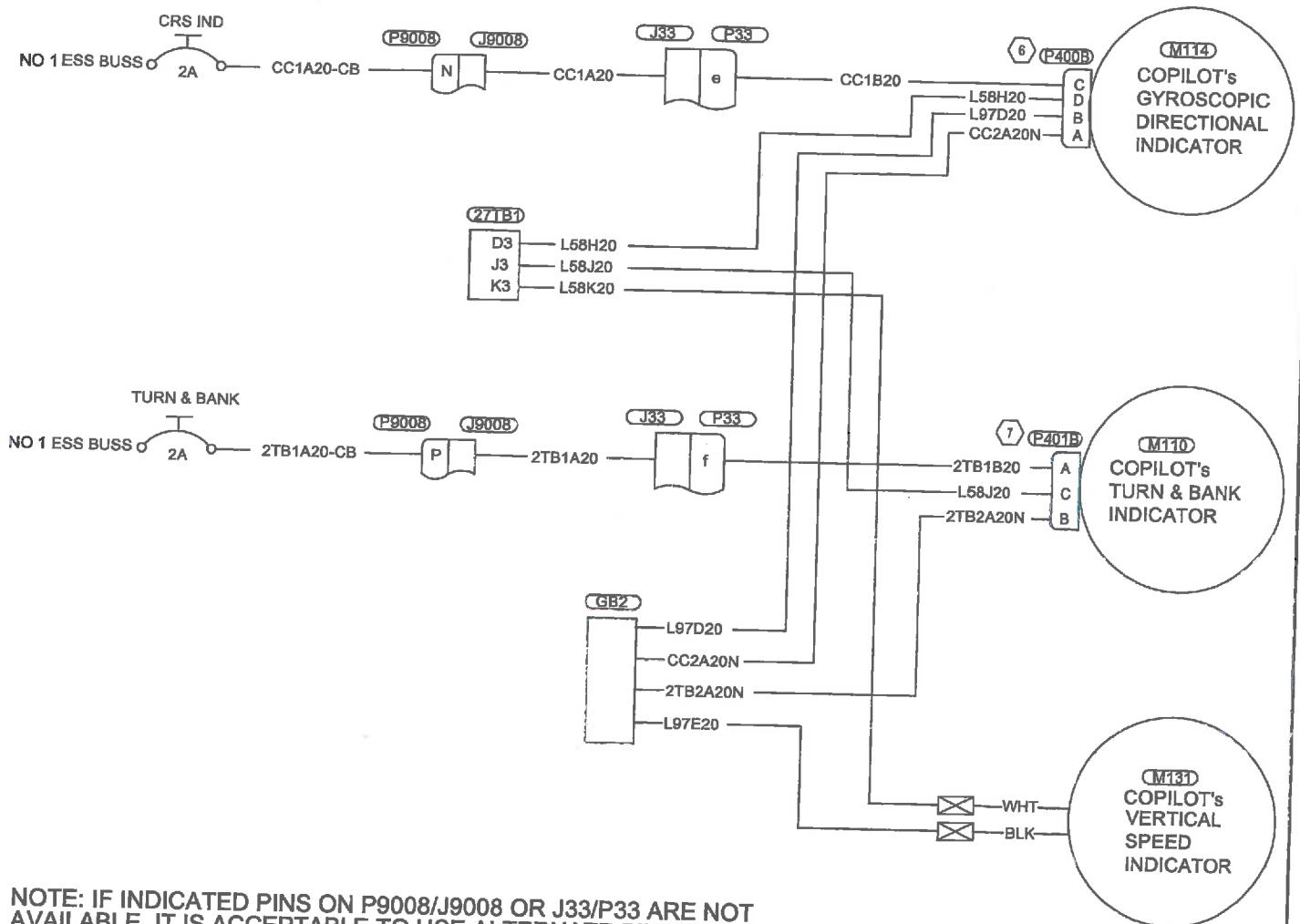
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3) Wire the flight instruments as shown in Figure 2 in accordance with AC43.13-1B.



B 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

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4) Install and modify circuit breaker arrangement as per Figure 3.

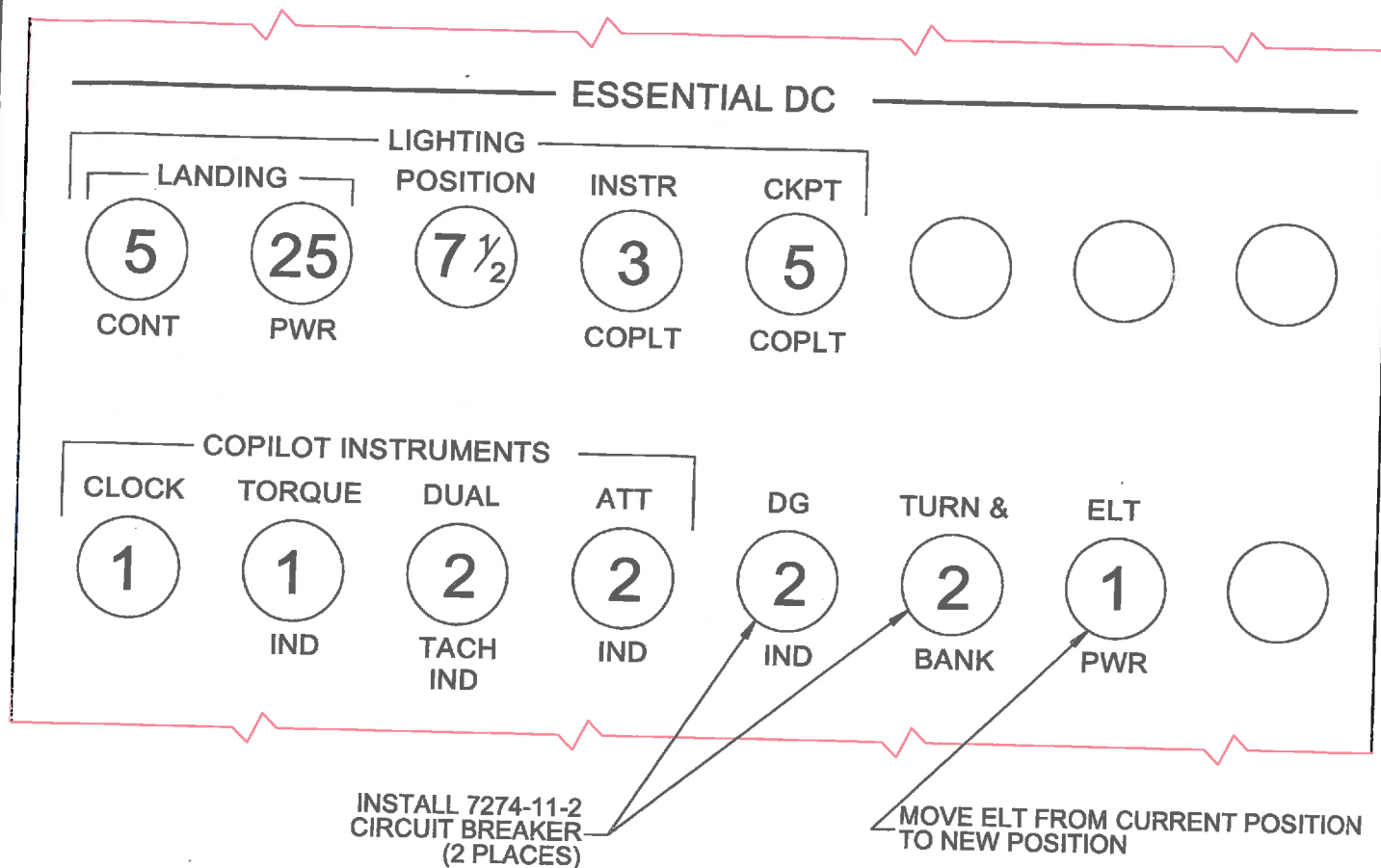


FIGURE 3: CIRCUIT BREAKER LOCATIONS

- 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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	DRAWN	AK		DSB-D212-725-2	SHEET 4 OF 6
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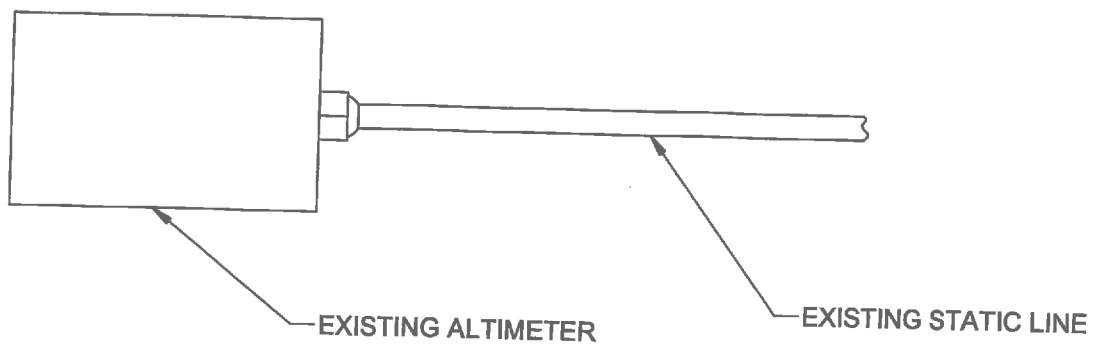


FIGURE 4: EXISTING ALTIMETER INSTALLATION

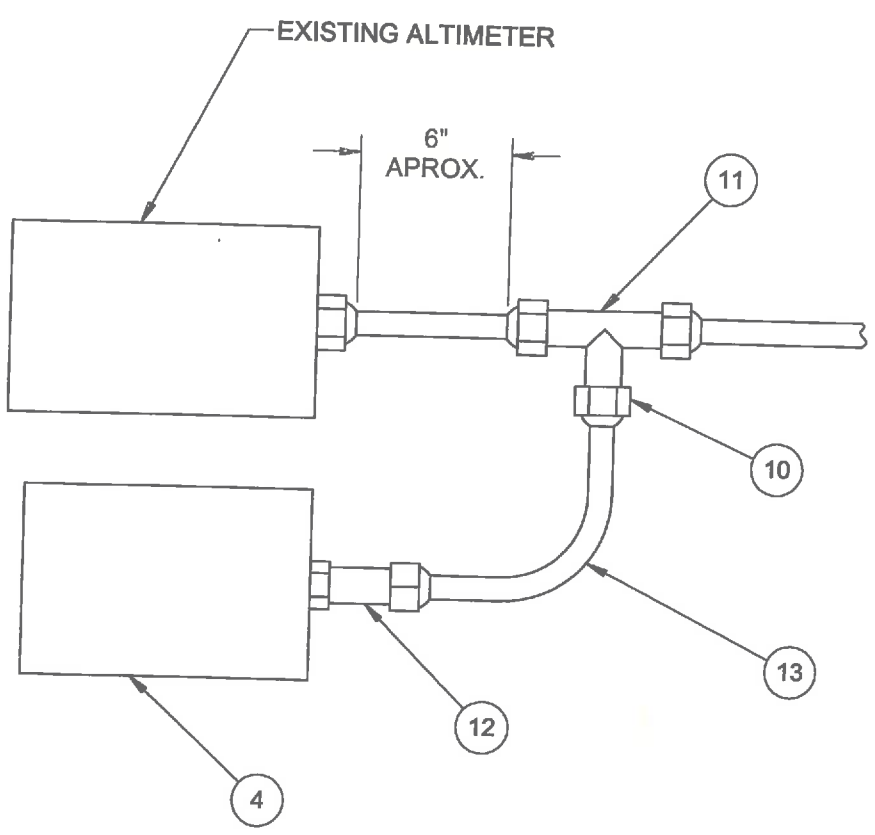


FIGURE 5: MODIFIED ALTIMETER/VSI INSTALLATION

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DRAWING NO. **DSB-D212-725-2**

TITLE **CO-PILOT INSTRUMENTS**

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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:

Email this page to: mboyce@eaglecopters.com

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