



**APPROVED MODEL LIST (AML)
MODIFICATION TCAS II TO CHG 7.1
14 CFR PART 23 AIRCRAFT**

STC SA01806WI

**RCA-0526
Revision: -
November 20, 2015**

FAA APPROVED BY:

Original signed by Steve Brune

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NOTE(S):

This document is maintained in the Aircraft Certification Center configuration management system.
Paragraphs and/or figures with a vertical line outside the right margin (|) indicate a change to the latest revision.
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SIGNATURES

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1. AML REVISION LOG

Rev	Page(s)	Description	Date
-	All	Original Release	11/20/2015

2. INTRODUCTION

This document is the FAA Approved Model List for STC No. SA01806WI for the modification of Rockwell Collins, TCAS II system installations to change 7.1 in 14 CFR Part 23 Aircraft.

3. ADDITIONAL LIMITATIONS

The following Limitations must be evaluated by the installer for applicability.

1. The below existing equipment is a prerequisite to this STC for each airplane eligible for this proposed modification:

Existing TTR-4000 (7.0)	Existing TTR-4000 (7.1)
822-1294-001 822-1294-002	822-1294-032

2. The TTR-4100 does not support aircraft installations utilizing 'Extended Self-Test Mode'. The airplane maintenance and operational manuals must be reviewed to determine if 'Extended Self-Test Mode' is available, if so the TTR-4100 must not be installed.
3. Evaluation of the existing TCAS II wiring must be conducted by the installer to ensure the wiring interfaces defined below are not utilized, as the TTR-4100 does not support these functions. Should wiring be present at the TCAS II connector pins listed below, the TTR-4100 must not be installed.
 - Analog 'Synchro Inputs' for magnetic heading on the following unit pins;
 - Right Middle Plug (Section E) -5A (X Magnetic Heading Sync Input)
 - Right Middle Plug (Section E) -5B (Y Magnetic Heading Sync Input)
 - Right Middle Plug (Section E) -5C (Z Magnetic Heading Sync Input)
 - Right Middle Plug (Section E) -5H (High – 26 VAC Reference)
 - Right Middle Plug (Section E) -5J (Low – 26 VAC Reference)
 - Right Middle Plug (Section E) -6C (Magnetic Heading Valid)
 - Right Middle Plug (Section E) -10E (X Magnetic Heading Valid High – Low Level)
 - Right Middle Plug (Section E) -10F (Magnetic Heading Valid Common – Low Level)

- Analog 'Radio Altimeter' on the following unit pins;
 - Right Middle Plug (Section E) -2H (+Radio Altimeter Input No. 1)
 - Right Middle Plug (Section E) -2J (-Radio Altimeter Input No. 1)
 - Right Middle Plug (Section E) -2K (Radio Altimeter Valid No. 1)
 - Right Middle Plug (Section F) -3A (+Radio Altimeter Input No. 2)
 - Right Middle Plug (Section F) -3B (-Radio Altimeter Input No. 2)
 - Right Middle Plug (Section F) -3C (Radio Altimeter Valid No. 2)
- 'Advisory/Annunciator Cancel Input' discrete on the following unit pins;
 - Right Middle Plug (Section E) -3D (Advisory/Annunciator Cancel Input)
- 'Aural Advisory Discrete Outputs' on the following unit pins;
 - Right Middle Plug (Section E) -1F (Corrective RA)
 - Right Middle Plug (Section E) -1K (Preventative RA)
 - Right Middle Plug (Section E) -2A (Traffic Advisory)
 - Right Middle Bottom Plug (Section F) -7D (Aural Advisory Discrete Input)

4. IMPORTANT NOTE

It is the responsibility of the installer to ensure the prerequisite equipment is existing, approved, and functioning properly prior to the installation of this STC. The prerequisite equipment functional test per the applicable Aircraft Maintenance Manual (AMM) will ensure the intended function for the modified system, as certified under this AML approval.

5. APPROVED MODEL LIST

Item	Aircraft Make	Aircraft Model	Type Certificate Number	Required Approved Data ^[1] Model Specific Limitations	AML Amdt Date
1	Beechcraft	200 B200 300 A200CT (C-12F) B200C (C-12F) B300 (Super King Air 350) B300C (Super King Air 350C) 1900D B200GT B200CGT	A24CE Revision 112 11/09/2015	Installation Instructions: Drawing Index, RCA-0528, Rev. A Airplane Flight Manual Supplement: RCA-0542, Rev (-) Instructions for Continued Airworthiness: RCA-0541, Rev (-) Additional Limitations: See Section 3	
2	Beechcraft	C90A C90GTi	3A20 Revision 75 03/26/2014	Installation Instructions: Drawing Index, RCA-0528, Rev. A Airplane Flight Manual Supplement: RCA-0542, Revision (-) Instructions for Continued Airworthiness: RCA-0541, Revision (-) Additional Limitations: See Section 3	
3	Beechcraft Corporation	390 (Premier I/IA)	A00010WI Revision 9 04/12/2013	Installation Instructions: Drawing Index, RCA-0528, Rev. A Airplane Flight Manual Supplement: RCA-0542, Revision (-) Instructions for Continued Airworthiness: RCA-0541, Revision (-) Additional Limitations: See Section 3	

Item	Aircraft Make	Aircraft Model	Type Certificate Number	Required Approved Data ^[1] Model Specific Limitations	AML Amdt Date
4	Jetstream Aircraft Limited (British Aerospace)	Jetstream Model 3201	A56EU Revision 7 3/02/2007	<p>Installation Instructions: Drawing Index, RCA-0528, Rev. A</p> <p>Airplane Flight Manual Supplement: RCA-0542, Revision (-)</p> <p>Instructions for Continued Airworthiness: RCA-0541, Revision (-)</p> <p>Additional Limitations: See Section 3</p>	
5	Piaggio P-180	P-180	A59EU Revision 22 07/06/2015	<p>Installation Instructions: Drawing Index, RCA-0528, Rev. A</p> <p>Airplane Flight Manual Supplement: RCA-0542, Revision (-)</p> <p>Instructions for Continued Airworthiness: RCA-0541, Revision (-)</p> <p>Additional Limitations: See Section 3</p>	
6	Textron Aviation Inc.	525 (CJ1) 525A (CJ2) 525B (CJ3)	A1WI Revision 24 07/29/2015	<p>Installation Instructions: Drawing Index, RCA-0528, Rev. A</p> <p>Airplane Flight Manual Supplement: RCA-0542, Revision (-)</p> <p>Instructions for Continued Airworthiness: RCA-0541, Revision (-)</p> <p>Additional Limitations: See Section 3</p>	
7	Viking Air Limited (Twin Otter)	DHC-6-300	A9EA Revision 18 7/10/2015	<p>Installation Instructions: Drawing Index, RCA-0528, Rev. A</p> <p>Airplane Flight Manual Supplement: RCA-0542, Revision (-)</p> <p>Instructions for Continued Airworthiness: RCA-0541, Revision (-)</p> <p>Additional Limitations: See Section 3</p>	

^[1] Or later approved revision